

Commission:

Mayor

Tomas P. Regalado

Chairman / D5 Commissioner

Keon Hardemon

Vice Chairman / D2 Commissioner

Ken Russell

D1 Commissioner

Wifredo (Willy) Gort

D3 Commissioner

Frank Carollo

D4 Commissioner

Francis Suarez

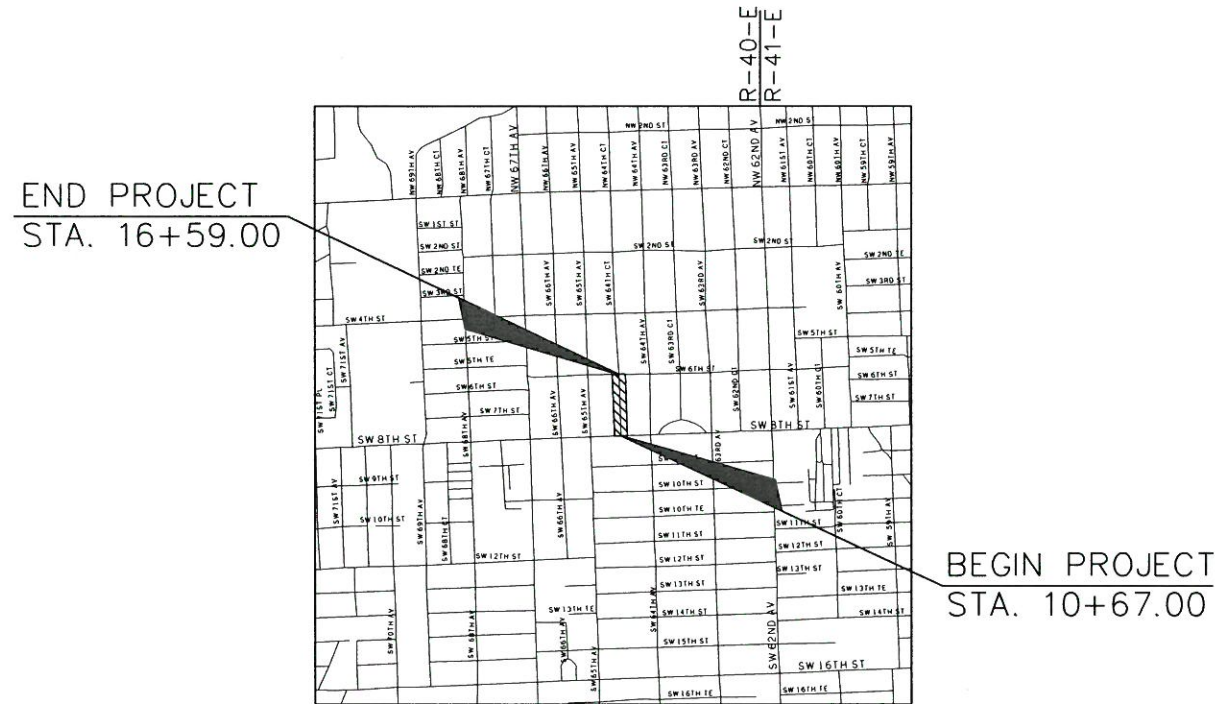
City Manager

Daniel J. Alfonso

CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM

JEOVANNY RODRIGUEZ, P.E., DIRECTOR

SW 64th COURT FROM SW 8th ST TO SW 6th ST MILLING AND RESURFACING IMPROVEMENTS PROJECT No. B-30972



END PROJECT
STA. 16+59.00

BEGIN PROJECT
STA. 10+67.00

LOCATION MAP
SCALE : 1" = 1500'

INDEX OF SHEETS

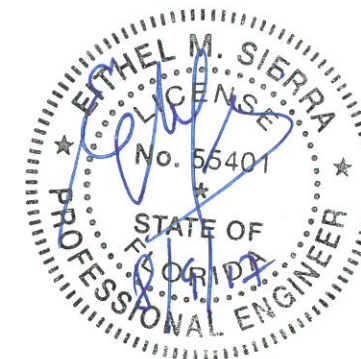
SHEET NO.	DESCRIPTION
1	KEY SHEET
2	SUMMARY OF PAY ITEMS
3	TYPICAL SECTION
4	TYPICAL SECTION DETAILS
5 - 6	GENERAL NOTES
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S-1 - S-3	SIGNING & PAVEMENT MARKINGS
TOPOGRAPHIC SURVEY	
1 - 4	MAP OF TOPOGRAPHIC SURVEY

ROADWAY SHOP DRAWINGS
TO BE SUBMITTED TO:

EITHEL M. SIERRA, P.E.
APCTE CORP
10305 N.W. 41 STREET, SUITE 115
MIAMI, FL 33178
(305) 592-7283

PLANS PREPARED BY:

APCT ENGINEERS
A&P Consulting Transportation
Engineers Corporation
10305 N.W. 41 Street, Suite 115
Miami, FL 33178
(305) 592-7283 / fax: (305) 593-1594
Vendor No. : 65-0770583
CA No. : EB-0007797



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

ROADWAY PLANS
ENGINEER OF RECORD: EITHEL M. SIERRA, P.E.

P.E. NO.: 55401

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	592.00	0.112
BRIDGES		
NET LENGTH OF PROJECT	592.00	0.112
EXCEPTIONS		
GROSS LENGTH OF PROJECT	592.00	0.112

CITY OF MIAMI PROJECT MANAGER: IVELISSE RODRIGUEZ

CITY OF MIAMI CONSTRUCTION MANAGER: DAVID ADATO, P.E.

GOVERNING STANDARDS AND SPECIFICATIONS:
- CITY OF MIAMI ENGINEERING STANDARDS FOR
DESIGN AND CONSTRUCTION DATED DECEMBER 2010.
- FLORIDA DEPARTMENT OF TRANSPORTATION,
DESIGN STANDARDS DATED 2015,
AND STANDARD SPECIFICATIONS FOR ROAD AND
BRIDGE CONSTRUCTION DATED 2015,
AS AMENDED BY CONTRACT DOCUMENTS.

SHEET
NO.

1

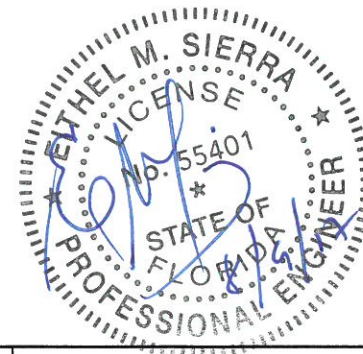
SUMMARY OF PAY ITEMS			
ITEM NO.	ROADWAY ITEMS	UNIT	TOTAL
101-1	MOBILIZATION	LS	1
102-1	MAINTENANCE OF TRAFFIC	LS	1
120-1	REGULAR EXCAVATION	CY	38
160-4	STABILIZATION TYPE B (LBR 40)	SY	112
285-706	OPTIONAL BASE GROUP 06 (8" LIMEROCK BASE OPTION)	SY	112
327-70-1	MILLING EXISTING ASPHALT (1" AVG. DEPTH)	SY	1730
331-2-1	TYPE S-I ASPHALTIC CONCRETE (1")	TN	6.2
331-2-3	TYPE S-III ASPHALTIC CONCRETE (1")	TN	102.9
425-4	INLETS (ADJUST)	EA	1
425-5-1	MANHOLES (ADJUST)	EA	4
522-1	CONCRETE SIDEWALK (4")	SY	30
522-2	CONCRETE SIDEWALK (6")	SY	29
570-1-2	PERFORMANCE TURF, SOD	SY	976
35-86-45	SWALE TRENCH	SY	594
710-11-125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 24"	LF	16
710-11-201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	0.030
1080-15	WATER METER (REPLACED)	EA	1

SUMMARY OF PAY ITEMS			
ITEM NO.	SIGNING & MARKING ITEMS	UNIT	TOTAL
706-3	REFLECTIVE PAVT. MARKER WHITE/RED REFLECTIVE PAVT. MARKER BI-DIRECTIONAL YELLOW REFLECTIVE PAVT. MARKER BLUE	EA	6
711-11-125	THRMPLSTC., STD., WHITE, SOLID, 24"	LF	16
711-16-201	THRMPLSTC., STD.-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.030

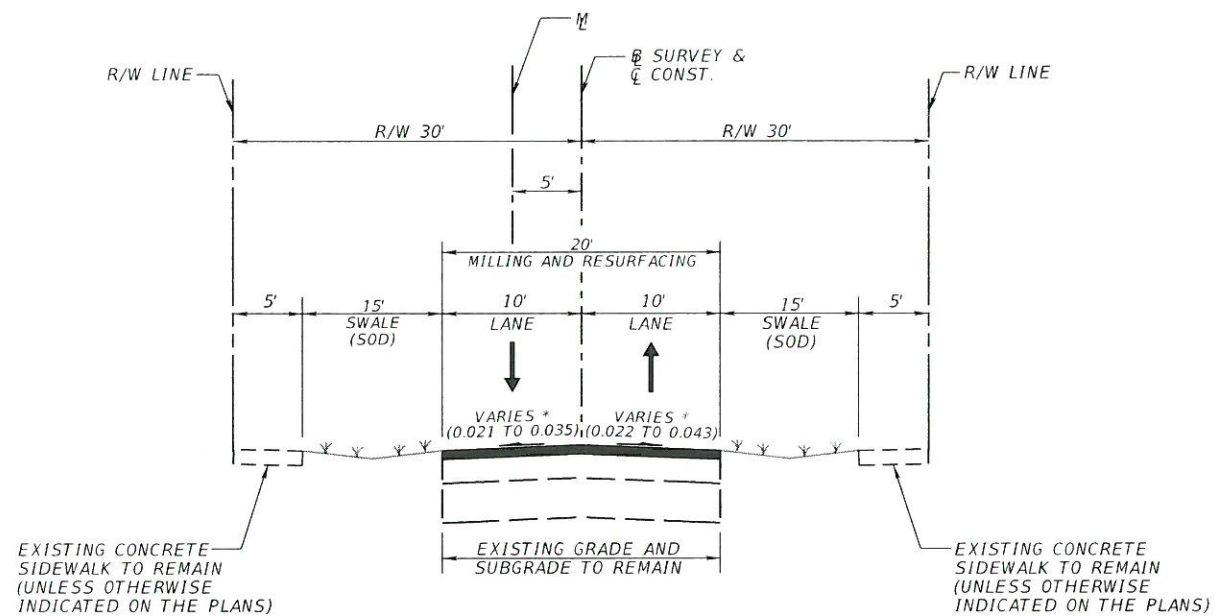
SUMMARY OF PAY ITEMS			
ITEM NO.	DRAINAGE ITEMS	UNIT	TOTAL
425-1-541	INLETS, CATCH BASIN, TYPE D <10'	EA	3
430-94-1	DESILTING PIPE, 0 - 24"	LF	250
430-94-2	DESILTING PIPE, 25 - 36"	LF	427
430-175-118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18" S/CD	LF	31
430-175-130	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 30" S/CD	LF	20

PAY ITEM NOTES

- 102-1 INCLUDES THE COST OF FURNISHING, INSTALLING, MAINTAINING, AND REMOVING ALL ITEMS OF MAINTENANCE OF TRAFFIC NOT PAID FOR UNDER SEPARATE ITEMS INCLUDING BUT NOT LIMITED TO SIGNS, BARRICADES, FLASHING LIGHTS, ETC.
- 425-5-1 ONLY ONE PAYMENT SHALL BE MADE PER INLET/MANHOLE TO BE ADJUSTED. PRICE AND FOR EACH UNIT INCLUDES COST OF ALL REGARDLESS OF THE NUMBER OF ADJUSTMENTS REQUIRED FOR THE CONSTRUCTION OF THE PROJECT. INLET/MANHOLES SHALL BE ADJUSTED WHENEVER THEY ARE 1/4" OR MORE ABOVE OR BELOW THE PAVEMENT FINAL GRADE ELEVATION.
- 522-1 & 522-2 INCLUDES EXCAVATION AND FILL FOR THE CONSTRUCTION OF NEW SIDEWALK. INCLUDES COST OF SAW CUTTING, AND THE REMOVAL AND DISPOSAL OF EXISTING SIDEWALK.
- 570-1-2 INCLUDES WATER, FERTILIZER AND TOP SOIL.
- 710- THE TOTAL SHOWN ON THE SUMMARY OF ROADWAY PAY ITEMS INCLUDE THE QUANTITIES FOR PAVEMENT MARKINGS USED FOR TRAFFIC CONTROL PAVEMENT MARKING AND FOR FINAL PAVEMENT MARKINGS (AS SHOWN ON THE SIGNING AND PAVEMENT MARKING PLANS).
- 35-86-45 INCLUDE ALL COST FOR REGRADING EXISTING SWALE TRENCH AS PER DETAIL MISC. 35-86-45.



REVISIONS DATE BY DESCRIPTION			ENGINEER OF RECORD: A&P Consulting Transportation Engineers Corporation 10305 N.W. 41 Street, suite 115 Miami, FL 33178 (305) 592-7283 / fax: (305) 593-1594 CA No. : EB-0007797 Ethel M. Sierra, P.E. No. 55401	CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM 444 S.W. 2ND AVENUE, 8TH FLOOR MIAMI, FLORIDA 33130 (305) 416-1213 FAX (305) 416-1253	CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM PROJECT NAME PROJECT No. SW 64th AVENUE IMPROVEMENTS B-30972	SUMMARY OF PAY ITEMS SHEET NO. 2
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* MATCH EXISTING CROSS SLOPE

TYPICAL SECTION

SW 64TH COURT (10+67.00 TO STA. 16+59.00)

MILLING

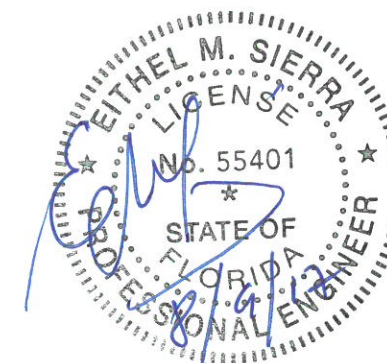
MILL EXISTING ASPHALT PAVEMENT (1" AVG. DEPTH)

RESURFACING

RESURFACE WITH TYPE S-III ASPHALTIC CONCRETE (1" AVG.)

RECONSTRUCTION (SEE ROADWAY PLANS FOR LOCATION)

12" TYPE B STABILIZATION (LBR-40)
 OPTIONAL BASE GROUP 6 (8" LIMEROCK BASE OPTION) WITH
 TYPE S-1 ASPHALTIC CONCRETE (1" AVG.)
 AND TYPE S-III ASPHALTIC CONCRETE (1" AVG.)



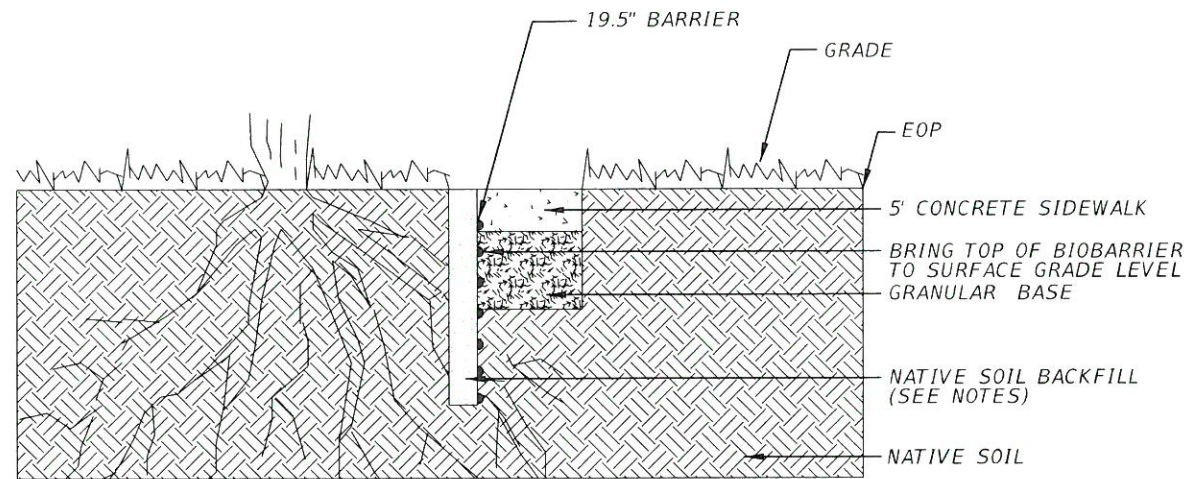
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DATE	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			SW 64 CT.	MIAMI-DADE	B-30972			

SUSERS

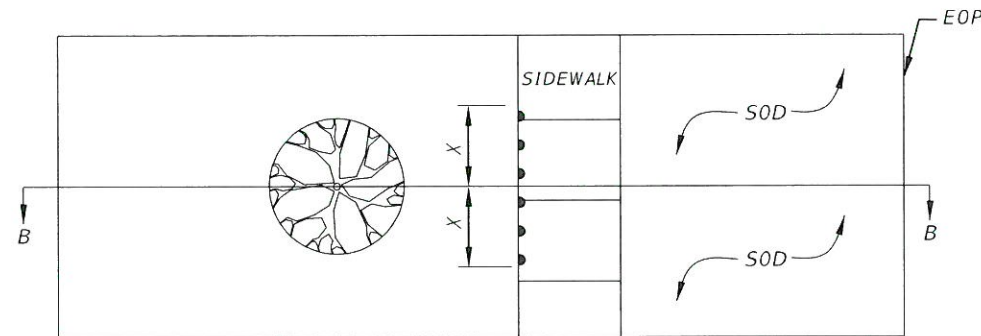
SDATES

STIMES

SFILES



B-B



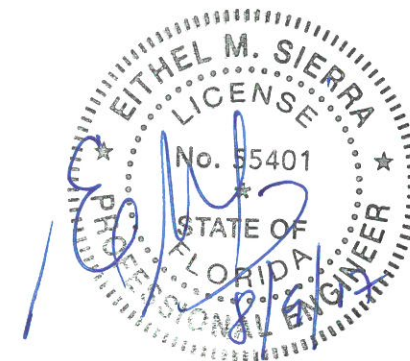
PLAN

X.- 10 FT. RECOMMENDED OR CONTINUOUS IF PLANTING ARE < 20 FT APART

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. AN ARBORIST SHOULD BE CONTACTED BEFORE EXTENSIVE CUTTING OF ROOTS.
3. FOR MAXIMUM PROTECTION IN HIGH ORGANIC SOILS (>10%), WITH AGGRESSIVE ROOT SPECIES (ESPECIALLY A RETROFIT INSTALLATION AND/OR IN CLOSE PROXIMITY TO OLEFIN PLASTICS, SPRAY STAUARATE TRENCH WALLS WITH LIQUID TRIFLURALIN. MIX OR FILL TRENCH WITH SAND OR GRAVEL.
4. REPORT ALL DISCREPANCIES TO CITY CONSTRUCTION ENGINEER PRIOR TO INSTALLATION.
5. INCLUDE ALL COST IN RELATED BID ITEM FOR SIDEWALK, CURB & GUTTER, DRIVEWAY, ETC.

ROOT CONTROL DETAIL

N.T.S.



<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>		DATE	DESCRIPTION			<p>A&P Consulting Transportation Engineers Corp. 10305 N.W. 41 Street, suite 115 Miami, FL 33178 (305) 592-7283 / fax: (305) 593-1594 CA No. : EB-0007797 Eithel M. Sierra, P.E. No. 55401</p>	 <p>CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM 444 S.W. 2ND AVENUE, 8TH FLOOR MIAMI, FLORIDA 33130 (305) 416-1213 FAX (305) 416-1253</p>	<p>CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM</p> <table border="1"> <thead> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>FINANCIAL PROJECT ID</th> </tr> </thead> <tbody> <tr> <td>SW 64 CT.</td> <td>MIAMI-DADE</td> <td>B-30972</td> </tr> </tbody> </table>	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SW 64 CT.	MIAMI-DADE	B-30972	<p>TYPICAL SECTION DETAILS</p>	<p>SHEET NO. 4</p>
DATE	DESCRIPTION															
ROAD NO.	COUNTY	FINANCIAL PROJECT ID														
SW 64 CT.	MIAMI-DADE	B-30972														

GENERAL NOTES:

1. GENERAL NOTES ON THE PROJECT PLANS AND DRAWINGS ARE SOLELY TO AID AND ASSIST THE CONTRACTOR WITH THE FIELD OPERATIONS FOR THE PROJECT. SAID GENERAL NOTES MAY NOT FULLY DESCRIBE ALL OF THE REQUIREMENTS FOR AN ITEM. THEREFORE, THE CONTRACTOR SHALL READ AND VERIFY THE CONTRACT DOCUMENTS, INCLUDING BUT NOT LIMITED TO THE PLANS, SPECIFICATIONS, GENERAL TERMS AND CONDITIONS, AND THE SUPPLEMENTAL TERMS AND CONDITIONS, TO FULLY UNDERSTAND AND COMPLY WITH ALL THE REQUIREMENTS THEREIN.
2. THE INFORMATION PROVIDED ON THE PLANS ARE BASED ON THE BEST AVAILABLE INFORMATION AND SHOULD BE CONSIDERED APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH CURRENT SITE CONDITIONS, AND SHALL REPORT DISCREPANCIES TO THE ENGINEER PRIOR TO STARTING WORK.
3. CONTRACTOR WILL SECURE WORK SITE TO PROTECT THE PUBLIC HEALTH AND WELFARE.
4. ALL WORK WILL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE CITY OF MIAMI ENGINEERING STANDARDS FOR DESIGN AND CONSTRUCTION, AND FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, DIVISIONS 2 AND 3.
5. CONTRACTOR TO REPAIR ALL DAMAGES INCURRED AS A RESULT OF CONSTRUCTION ACTIVITIES SUCH AS BUT NOT LIMITED TO SIDEWALK, PAVEMENT, LANDSCAPING, FENCING, ETC. NO ADDITIONAL COMPENSATION WILL BE GIVEN.
6. CONTRACTOR SHALL CONTROL/REMOVE DUST WITH A STREET SWEEPER USING WATER OR OTHER EQUIPMENT CAPABLE OF CONTROLLING DUST.
7. THE CONTRACTOR SHALL NOTIFY THE CITY IN WRITING AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A PROPER STAGING AREA.
9. THE CONTRACTOR SHALL BE RESPONSIBLE TO SATISFY ALL REQUIREMENTS OF ANY REGULATORY AGENCY PERMITS IN REGARDS TO CONSTRUCTION ACTIVITIES AND RELATED CONDITIONS PRIOR TO THE START OF CONSTRUCTION.
10. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN AND VEHICULAR ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES UNLESS OTHERWISE APPROVED BY THE CITY.
11. THE CONTRACTOR SHALL NOT ENCROACH INTO PRIVATE PROPERTY WITH PERSONNEL, MATERIAL OR EQUIPMENT.
12. THE CONTRACTOR SHALL DISPOSE OF ALL EXCESS EXCAVATED MATERIAL AND DEBRIS TO AN APPROVED SITE IN A LEGAL MANNER AT NO ADDITIONAL COST TO THE PROJECT.
13. STOCKPILING OF MATERIAL IN ROADWAY IS NOT ALLOWED.
14. THE CONTRACTOR SHALL VERIFY, PHOTOGRAPH AND INVENTORY THE EXACT LOCATION OF ALL EXISTING TREES, STRUCTURES, PAVEMENT OR OTHER FEATURES. ANY EXISTING STRUCTURE, PAVEMENT, TREE OR OTHER EXISTING FEATURE, WHICH IS IN CONFLICT OR DAMAGED, EXPOSED OR IN ANY WAY DISTURBED BY CONSTRUCTION PERFORMED UNDER THE CONTRACT, SHALL BE RESTORED PROMPTLY TO IT'S ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE PROJECT.
15. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING IMMEDIATELY OF ANY CONFLICT ARISING DURING CONSTRUCTION FOR ANY IMPROVEMENTS SHOWN ON THESE DRAWINGS.
16. ALL CONSTRUCTION LAYOUT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
17. ALL EXISTING MANHOLE TOPS, CATCH BASIN GRATES, VALVE BOX TOPS, AND WATER METER TOPS WITHIN THE PROJECT AREA SHALL BE MODIFIED TO MATCH FINISHED GRADE BY CITY CONTRACTOR. COST INCIDENTAL TO PAVEMENT PAY ITEM. PLANS MAY NOT SHOW ALL LOCATIONS NECESSARY FOR ADJUSTMENTS. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL NECESSARY UTILITY TOPS TO BE ADJUSTED.
18. CONTRACTOR TO RESTORE ALL SODDED AREAS OF THE PROJECT WHICH ARE DISTURBED DUE TO CONSTRUCTION ACTIVITIES.
19. ALL PROPOSED WORK SHALL BE PERFORMED WITHIN THE LIMITS OF THE EXISTING STATE/LOCAL RIGHT-OF-WAY, AND ALL IMPROVEMENTS SHALL BE CONSTRUCTED AND INSTALLED WITHIN SAID LIMITS.
20. THE CONTRACTOR SHALL ASSIST THE CITY WITH THE HANDLING OF PUBLIC INFORMATION MATERIALS, INCLUDING CITIZEN NOTIFICATION LETTERS AND PROJECT CONSTRUCTION SIGNS, PRIOR TO THE START OF EACH SIGNIFICANT PHASE OF CONSTRUCTION. COST OF THIS WORK SHALL BE INCLUDED IN THE MAINTENANCE OF TRAFFIC BID ITEM.
21. LOW IMPACT MARKING PAINT SHALL BE REQUIRED FOR THE MARKING OF ALL UNDERGROUND UTILITY LOCATIONS AND FOR COMPLIANCE WITH THE "WHITE LINE" ORDINANCE.

ENVIRONMENTAL NOTES:

1. DUE TO THE LIMITED SCOPE OF WORK, NO IMPACTS TO EXISTING HISTORICAL AND CULTURAL RESOURCES ARE EXPECTED AS A RESULT OF THE PROPOSED ACTION.
2. ANY MATERIAL TO BE STOCKPILED FOR PERIODS GREATER THAN 24 HOURS SHALL BE PROTECTED BY APPROPRIATE EROSION CONTROL DEVICES.
3. NO STAGING OR OTHER ACTIVITIES FOR THIS PROJECT SHOULD OCCUR WITHIN THE DRIPLINE OF EXISTING TREES.
4. PREVENT DAMAGING TREES AND PLANTERS WITHIN OR IMMEDIATELY ADJACENT TO THE PROJECT'S RIGHT-OF-WAY.
5. A CERTIFIED ARBORIST CERTIFIED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE SHALL BE PRESENT ON SITE TO DIRECT ALL ROOT PRUNING AND/OR CANOPY TRIMMING ACTIVITIES IF NECESSARY.
6. TREE PROTECTION SHOULD BE INSTALLED AROUND TREES TO REMAIN LOCATED ADJACENT TO CONSTRUCTION ACTIVITIES.
7. THE CONTRACTOR SHALL NOT REMOVE, RELOCATE OR PRUNE ANY TREES WITHOUT PRIOR APPROVAL FROM THE CITY. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS FROM THE CITY OF MIAMI PUBLIC WORKS DEPARTMENT PRIOR TO ANY TREE REMOVAL/RELOCATION.
8. CONTRACTOR SHALL KEEP NEW AND EXISTING INLETS CLEAN OF MILLING MATERIALS AND DEBRIS. INLETS LOCATED NEAR CONSTRUCTION ACTIVITIES SHOULD BE PROTECTED BY APPROPRIATE EROSION CONTROL DEVICES.

APPLICABLE CODES:

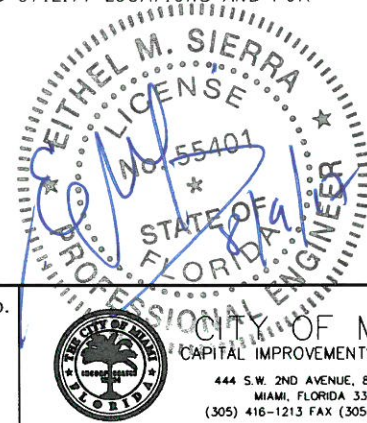
1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH THE LATEST REQUIREMENTS OF THE CITY OF MIAMI, FDOT, AND ALL OTHER APPLICABLE LOCAL, STATE AND NATIONAL CODES.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL CONSTRUCTION SHALL BE DONE IN A SAFE MANNER AND IN STRICT COMPLIANCE WITH ALL THE REQUIREMENTS OF FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970, AND ALL STATE AND LOCAL SAFETY AND HEALTH REGULATIONS.

PRE-CONSTRUCTION RESPONSIBILITIES:

1. PRIOR TO THE COMMENCEMENT OF THE CONSTRUCTION AND THE RECEIPT OF THE "NOTICE TO PROCEED", THE CONTRACTOR SHALL CONTACT THE C.I.P. CONSTRUCTION MANAGER AND ARRANGE A PRE-CONSTRUCTION CONFERENCE TO INCLUDE THE ENGINEER OF RECORD. THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION SCHEDULE AND BE PREPARED TO DISCUSS ANY CONCERNS OR COORDINATION EFFORTS AND REQUIREMENTS WITH THE PARTIES INVOLVED.
2. THE CONTRACTOR SHALL OBTAIN A SUNSHINE STATE ONE CALL OF FLORIDA, INC. CERTIFICATION NUMBER AT LEAST 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION. CONTACT 811, WWW.CALLSUNSHINE.COM
3. CONTRACTOR SHALL PREPARE AND SUBMIT TO THE CITY ENGINEER A STORM WATER POLLUTION PREVENTION PLAN ACCORDING TO THE LATEST FDOT SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 104-6, CITY OF MIAMI DEPARTMENT OF PUBLIC WORKS BULLETIN NO. 25 AND CITY OF MIAMI ENGINEERING STANDARDS MISC. 35-89-6. CONTRACTOR SHALL IMPLEMENT THE PLAN PRIOR AND DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.

PROJECT RECORD DOCUMENTS:

1. DURING THE DAILY PROGRESS OF THE JOB THE CONTRACTOR SHALL RECORD THE EXACT LOCATION, LENGTH, AND ELEVATION OF ALL PROPOSED IMPROVEMENTS ON HIS SET OF CONSTRUCTION DRAWINGS.
2. UPON COMPLETION OF CONSTRUCTION AND PRIOR TO FINAL PAYMENT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER ONE COMPLETE SET OF ALL "AS BUILT" CONSTRUCTION CHANGES AND DIMENSIONS, LOCATIONS AND ELEVATIONS OF ALL IMPROVEMENTS AND IN ACCORDANCE WITH THE "SURVEY WORK" SECTION OF THE "SPECIFICATIONS AND CONTRACT DOCUMENTS" FOR THIS PROJECT.
3. ALL "AS-BUILT" INFORMATION AND ELEVATIONS SHALL BE CERTIFIED BY A FLORIDA REGISTERED LAND SURVEYOR AND ALL FINAL MEASUREMENTS ARE TO BE IN THE FORM OF FIELD NOTES.
4. AS-BUILTS SHALL UTILIZE THE CITY OF MIAMI DATUM.



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DATE	DESCRIPTION															
ROAD NO.	COUNTY	FINANCIAL PROJECT ID														
SW 64 CT.	MIAMI-DADE	B-30972														

SURVEYOR NOTES:

1. ALL ELEVATIONS REFER TO THE CITY OF MIAMI DATUM AND ARE EXPRESSED IN FEET.
2. ALL PUBLIC LAND CORNERS AND MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED BY CONTRACTOR AS FOLLOWS: CORNERS AND MONUMENTS IN CONFLICT WITH THE WORK AND IN DANGER OF BEING DAMAGED, DESTROYED OR COVERED SHALL BE PROPERLY REFERENCED BY A REGISTERED-LAND SURVEYOR IN ACCORDANCE WITH THE MINIMUM TECHNICAL STANDARDS OF THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYOR PRIOR TO BEGINNING WORK AT THAT SITE. THE CONTRACTOR SHALL RETAIN THE LAND SURVEYOR TO REFERENCE, AND RESTORE UPON COMPLETION OF THE WORK, ALL SUCH CORNERS AND MONUMENTS AND SHALL FURNISH TO THE CITY ENGINEER A SIGNED AND SEALED COPY OF THE LAND SURVEYOR'S REFERENCE DRAWING. INCLUDE ALL COST OF REFERENCING, RESTORING AND PRESERVING IN THE BID PRICE FOR ITEM 101-1 MOBILIZATION.
3. ALL N.G.V.D. BENCH MARK MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED AND REFERENCED BY THE CONTRACTOR IN THE SAME WAY AS PUBLIC LAND CORNERS EXCEPT THAT THE LAND SURVEYORS SHALL NOT BE REQUIRED TO RESTORE THE N.G.V.D. BENCH MARK UPON COMPLETION OF THE WORK. THE CONTRACTOR SHALL PROMPTLY TRANSMIT ALL DISPLACED OR DAMAGED N.G.V.D. DISCS TO THE CITY ENGINEER, WHO SHALL NOTIFY THE GEODETIC INFORMATION CENTER. INCLUDE ALL COST OF REFERENCING AND PROTECTING IN THE BID PRICE FOR ITEM 101-1 MOBILIZATION.
4. TOPOGRAPHIC INFORMATION AND BASELINE / MONUMENT LINE GEOMETRY SHOWN ON PLANS WERE TAKEN FROM THE SURVEY PREPARED BY LONGITUDE SURVEYORS DATED SEPTEMBER 17, 2014.

SIGNING & PAVEMENT MARKING NOTES:

1. ALL SIGNING AND PAVEMENT MARKINGS INSTALLED AS PART OF THESE PLANS SHALL CONFORM TO THE 2009 EDITION OF THE FEDERAL HIGHWAY ADMINISTRATION (FHWA) MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS, FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS. ALL SIGN PANELS SHALL BE FABRICATED TO COMPLY WITH THE MOST RECENT EDITION OF THE FEDERAL HIGHWAY AND ADMINISTRATION STANDARD HIGHWAY SIGNS.
2. THE CONTRACTOR SHALL MATCH EXISTING PAVEMENT MARKINGS AT THE BEGINNING AND THE END OF THE PROJECT AND AT ALL SIDE STREETS WITHOUT JOGS AND OFFSETS.
3. ALL STRIPING SHALL BE THERMOPLASTIC.

UTILITIES:

1. TWO FULL BUSINESS DAYS PRIOR TO DIGGING, THE CONTRACTOR SHALL CALL "SUNSHINE STATE ONE" AT 811 TO REQUEST UTILITY LOCATIONS BEFORE BEGINNING ANY CONSTRUCTION ACTIVITIES.
2. EXISTING UTILITIES SHALL BE MAINTAINED IN SERVICE DURING CONSTRUCTION UNLESS OTHERWISE APPROVED BY THE UTILITY OWNER. ALL EXISTING UTILITIES ARE TO REMAIN UNLESS OTHERWISE NOTED.
3. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO VERTICALLY AND HORIZONTALLY PROTECT ANY AND ALL EXISTING UTILITIES ON THIS PROJECT. ANY DAMAGE TO SUCH UTILITIES SHOWN OR NOT SHOWN ON THE PLANS SHALL BE IMMEDIATELY REPORTED TO THE UTILITY OWNER. THE OWNER RESERVES THE RIGHT TO REMEDY SUCH DAMAGE BY ORDERING OUTSIDE PARTIES TO MAKE SUCH REPAIRS AT THE EXPENSE TO THE CONTRACTOR.
4. CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL UTILITY MARKINGS ONCE THE WORK IS COMPLETED. CONTRACTOR SHALL USE SPECIAL CARE WHEN REMOVING THE UTILITY MARKINGS. THE REMOVAL METHOD NEEDS TO BE SUCH THAT IT DOES NOT DAMAGE THE SURFACES OF THE EXISTING WORK ALREADY IN PLACE. IF WATER-BLASTING OLDER ASPHALT PAVEMENT, CARE NEEDS TO BE TAKEN TO NOT DISCOLOR THE ASPHALT OR POLISH THE AGGREGATE. IF THE REMOVALS ARE ON OLDER CONCRETE SURFACES, THE ENTIRE SURFACE OF A PANEL OR SECTION NEEDS TO BE BLASTED TO SHOW UNIFORM COLOR THROUGHOUT THAT SAME PANEL OR SECTION. IN ANY CASE (ASPHALT OR CONCRETE SURFACE), THE METHOD NEEDS TO BE SUCH THAT A SLICK SURFACE IS NOT LEFT BEHIND. FINAL PAYMENT TO THE CONTRACTOR MAY BE WITHHELD UNTIL THE UTILITY MARKS ARE PROPERLY REMOVED.
5. UTILITY OWNERS:

AT&T DISTRIBUTION	(305) 222-8703
ATLANTIC BROADBAND	(305) 861-8069 EXT. 3204
CITY OF WEST MIAMI	(305) 266-1122
COMCAST CABLE	(954) 447-8405
DADE COUNTY PUBLIC WORKS AND TRAFFIC	(305) 412-0891 EXT. 201
FLORIDA CITY GAS	(305) 691-8710 / (786) 457-0937
FPL FIBERNET LLC	(305) 552-2931 / (786) 246-7827
FLORIDA POWER & LIGHT DADE	(800) 868-9554 / (386) 329-5152
FLORIDA POWER & LIGHT TRANSMISSION	(305) 228-5290 / (305) 495-8601
MIAMI-DADE WATER & SEWER	(786) 268-5320

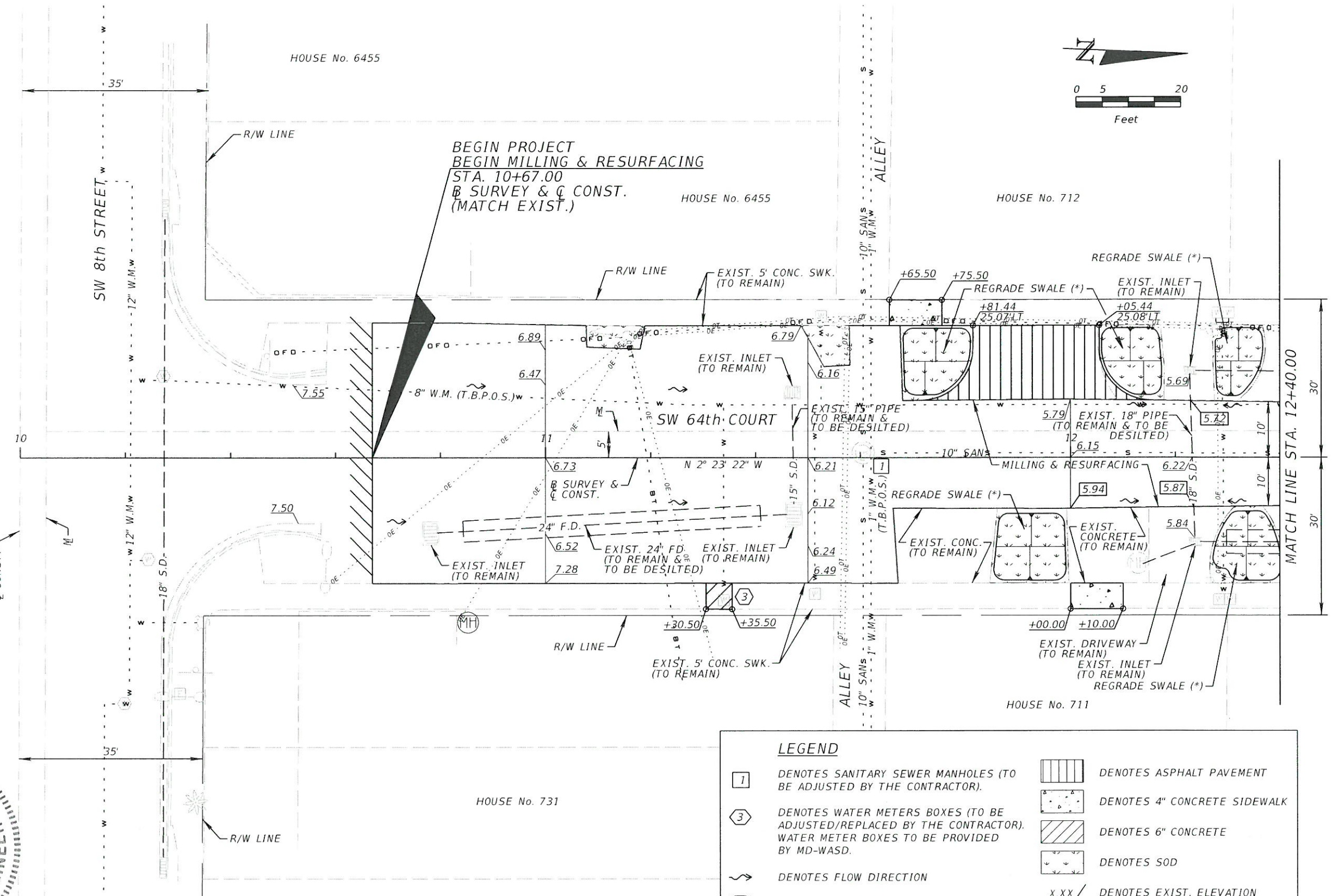
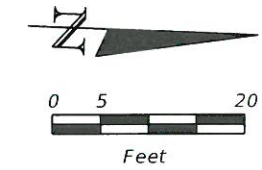
Always call 811 two full business days before you dig



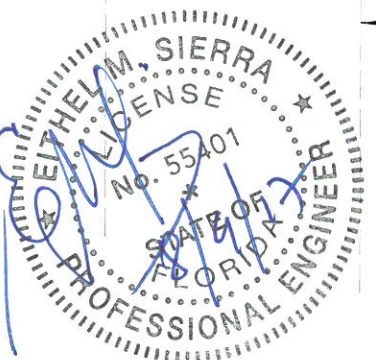
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REVISIONS		A&P Consulting Transportation Engineers Corp. 10305 N.W. 41 Street, suite 115 Miami, FL 33178 (305) 592-7283 / fax: (305) 593-1594 CA No. : EB-0007797 Eithel M. Sierra, P.E. No. 55401	 CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM 444 S.W. 2ND AVENUE, 8TH FLOOR MIAMI, FLORIDA 33130 (305) 416-1213 FAX (305) 416-1253	CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM			GENERAL NOTES	SHEET NO. 6
DATE	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			SW 64 CT.	MIAMI-DADE	B-30972			



BEGIN PROJECT
 BEGIN MILLING & RESURFACING
 STA. 10+67.00
 B SURVEY & C CONST.
 (MATCH EXIST.)



NOTE:
 (*) SEE CITY OF MIAMI STANDARD
 INDEX NO. 35-86-45.

LEGEND	
[1]	DENOTES SANITARY SEWER MANHOLES (TO BE ADJUSTED BY THE CONTRACTOR).
[3]	DENOTES WATER METERS BOXES (TO BE ADJUSTED/REPLACED BY THE CONTRACTOR). WATER METER BOXES TO BE PROVIDED BY MD-WASD.
[S-X]	DENOTES DRAINAGE STRUCTURE NUMBER
[Grid Pattern]	DENOTES ASPHALT PAVEMENT
[Dotted Pattern]	DENOTES 4" CONCRETE SIDEWALK
[Diagonal Lines]	DENOTES 6" CONCRETE
[Square with X]	DENOTES SOD
[X.XX]	DENOTES EXIST. ELEVATION
[X.XX]	DENOTES PROP. ELEVATION
[Arrow]	DENOTES FLOW DIRECTION

DATE	REVISIONS DESCRIPTION

A&P Consulting Transportation Engineers Corp.
 10305 N.W. 41 Street, suite 115
 Miami, FL 33178
 (305) 592-7283 / fax: (305) 593-1594
 CA No. : EB-0007797
 Eithel M. Sierra, P.E. No. 55401

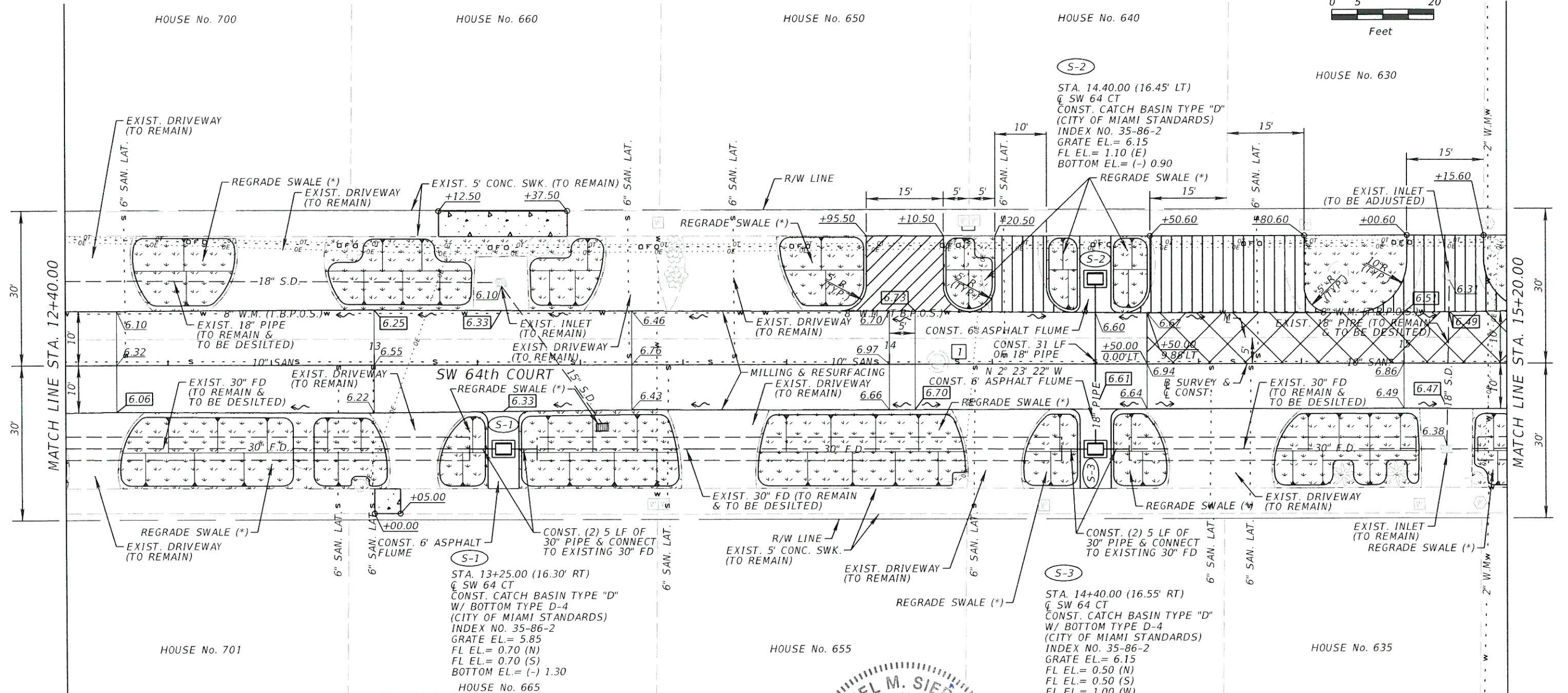
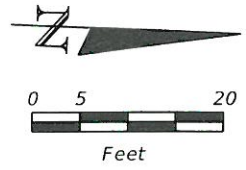


CITY OF MIAMI
 CAPITAL IMPROVEMENTS PROGRAM
 444 S.W. 2ND AVENUE, 8TH FLOOR
 MIAMI, FLORIDA 33130
 (305) 416-1213 FAX (305) 416-1253

CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SW 64 CT.	MIAMI-DADE	B-30972

ROADWAY PLAN

SHEET NO.
 7



LEGEND	
[I]	DENOTES SANITARY SEWER MANHOLES (TO BE ADJUSTED BY THE CONTRACTOR).
(S-X)	DENOTES DRAINAGE STRUCTURE NUMBER
x.xx/	DENOTES EXIST. ELEVATION
x.xx/	DENOTES PROP. ELEVATION
→	DENOTES FLOW DIRECTION
[Hatched Box]	DENOTES ASPHALT PAVEMENT
[Dotted Box]	DENOTES 4" CONCRETE SIDEWALK
[Diagonal Lines Box]	DENOTES 6" CONCRETE
[Wavy Line Box]	DENOTES SOD
[Cross-hatched Box]	DENOTES RECONSTRUCTION



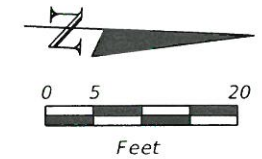
(*) SEE CITY OF MIAMI STANDARD INDEX NO. 35-86-45.

REVISIONS DATE DESCRIPTION		A&P Consulting Transportation Engineers Corp. 10305 N.W. 41 Street, suite 115 Miami, FL 33178 (305) 592-7283 / fax: (305) 593-1594 CA No. : EB-0007797 Eithel M. Sierra, P.E. No. 55401	CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM 444 S.W. 2ND AVENUE, 8TH FLOOR MIAMI, FLORIDA 33130 (305) 416-1213 FAX (305) 416-1253	CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM		ROADWAY PLAN	SHEET NO. 8
				ROAD NO. SW 64 CT.	COUNTY MIAMI-DADE		

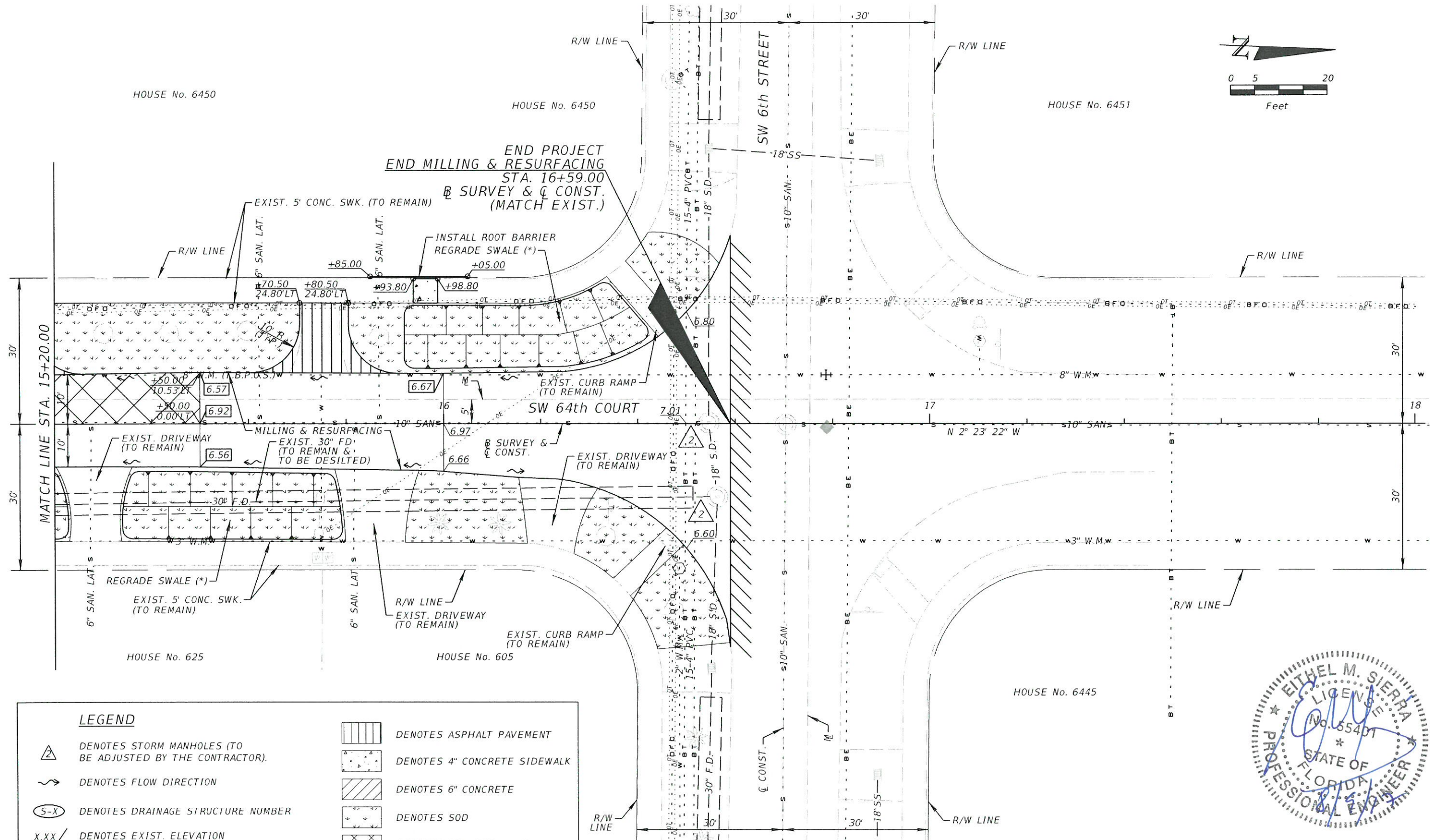
HOUSE No. 6450

HOUSE No. 6450

HOUSE No. 6451



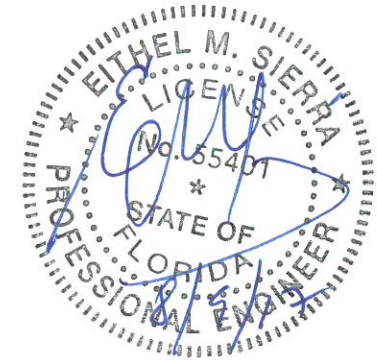
END PROJECT
END MILLING & RESURFACING
STA. 16+59.00
B SURVEY & C CONST.
(MATCH EXIST.)



LEGEND

- DENOTES STORM MANHOLES (TO BE ADJUSTED BY THE CONTRACTOR).
- DENOTES FLOW DIRECTION
- DENOTES DRAINAGE STRUCTURE NUMBER
- DENOTES EXIST. ELEVATION
- DENOTES PROP. ELEVATION
- DENOTES ASPHALT PAVEMENT
- DENOTES 4" CONCRETE SIDEWALK
- DENOTES 6" CONCRETE
- DENOTES SOD
- DENOTES RECONSTRUCTION

(*) SEE CITY OF MIAMI STANDARD INDEX NO. 35-86-45.



REVISIONS	
DATE	DESCRIPTION

A&P Consulting Transportation Engineers Corp.
 10305 N.W. 41 Street, suite 115
 Miami, FL 33178
 (305) 592-7283 / fax: (305) 593-1594
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 Eithel M. Sierra, P.E. No. 55401



CITY OF MIAMI
 CAPITAL IMPROVEMENTS PROGRAM
 444 S.W. 2ND AVENUE, 8TH FLOOR
 MIAMI, FLORIDA 33130
 (305) 416-1213 FAX (305) 416-1253

CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SW 64 CT.	MIAMI-DADE	B-30972

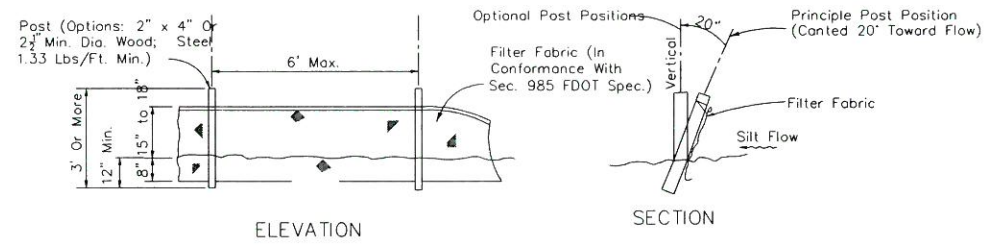
ROADWAY PLAN

SHEET NO.
9

SWPPP – DETAILS

SWPPP INDEX:

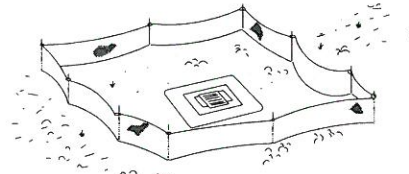
- SWPPP-DETAILS – PAGE 1
- SWPPP-NARRATIVE – PAGE 2



SILT FENCE DETAIL



Type III Silt Fence

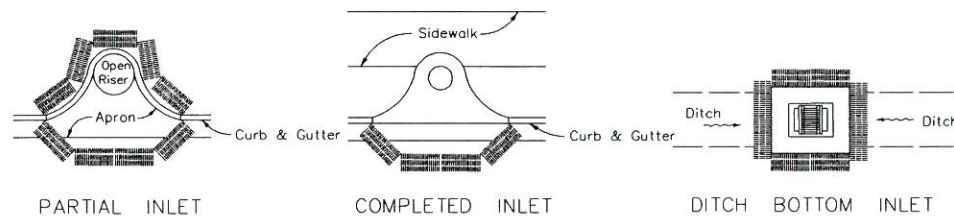


Type III Silt Fence Protection Around Ditch Bottom Inlets.

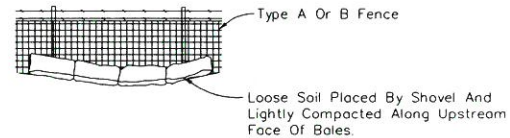
Notes:

1. Spacing for Type III Fence to be in accordance with Chart 1, Sheet 1 of 3 and ditch installations at drainage structures Sheet 2 of 3 per FDOT Standard Index 102.
2. Do not deploy in a manner that silt fences will act as a dam across permanent flowing watercourses. Silt fences are to be used at upland locations and turbidity barriers used at permanent bodies of water.

SILT FENCE APPLICATIONS



PROTECTION AROUND INLETS OR SIMILAR STRUCTURES



BALES BACKED BY FENCE

NOTES FOR SYNTHETIC BALES OR BALE TYPE BARRIERS

1. Type I and II Synthetic Barrier should be spaced in accordance with Chart 1, sheet 1 per Index 102.
2. Bales shall be anchored with 2-1" x 2" (or 1" dia.) x 4' wood stakes. Stakes of other material or shape providing equivalent strength may be used if approved by the Engineer. Stakes other than wood shall be removed upon completion of the project.
3. Rails and posts shall be 2" x 4" wood. Other materials providing equivalent strength may be used if approved by the Engineer.
4. Adjacent bales shall be butted firmly together.
5. Where used in conjunction with silt fence, bales shall be placed on the upstream side of the fence.

STORM WATER POLLUTION PREVENTION PRACTICES:
(FOR PROJECTS OF 0.5 ACRE OR MORE – CITY ORDINANCE No. 13081)

1. TREE PROTECTION AND PRUNING SHALL BE ACCOMPLISHED AS DETAILED IN SPECIAL PROVISIONS, THE CONSTRUCTION PLANS, AND OR PER TREE ORDINANCE 12636.
2. THE STORM WATER POLLUTION PREVENTION PLAN, SWPPP, SUBMITTED TO PUBLIC WORKS, SHALL DESCRIBE IN DETAIL HOW THE CONSTRUCTION EFFORT WILL BE PHASED WITH REGARDS TO MINIMIZING EROSION PROBLEMS BY THE USE OF TEMPORARY AND PERMANENT EROSION CONTROL MEASURES, FOR THE VARIOUS SEQUENCES OF CONSTRUCTION OPERATIONS. ANY MODIFICATIONS MUST BE APPROVED BY THE CITY OF MIAMI – NPDES SECTION, DEPARTMENT OF PUBLIC WORKS.
3. ENVIRONMENTAL CONTROL FEATURES AS PROVIDED IN THE SWPPP, ARE TO BE INSTALLED AT ALL AREAS OF EXCAVATION OR FILL FOR DRAINAGE SYSTEM, OR STRUCTURE CONSTRUCTION PRIOR TO SUCH EXCAVATION OR FILL. INLET ENTRANCES ARE ALSO TO BE PROTECTED FROM SILTATION AS DETAILED ON SHEET 2 OF 4 OF MISC. 35-89-6.
4. ALL ENVIRONMENTAL CONTROL FEATURES ARE TO BE MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT IN ACCORDANCE WITH N.P.D.E.S. REQUIREMENTS. THE CONTRACTOR MUST INSURE THAT ALL EROSION CONTROL FEATURES FUNCTION PROPERLY AT ALL TIMES.
5. ALL EROSION AND MATERIAL DEPOSITS MUST BE CONTAINED WITHIN THE PROJECT LIMITS.
6. ANY DAMAGED OR INEFFECTIVE ROCK BAGS ARE TO BE REPLACED WITH NEW ONES. THE LOCATION OF ROCK BAGS INSTALLATION IS AS MENTIONED IN THE SWPPP PLANS. THE PROJECT ENGINEER MAY SPECIFY OTHER AREAS AS NECESSARY.
7. DITCH BOTTOM INLETS SHALL BE PROTECTED FROM SEDIMENT INTAKE UNTIL PROJECT IS COMPLETE. ELEVATION OF GROUND OUTSIDE INLET TOP SHALL NOT BE HIGHER THAN INLET TOP. ROCK BAGS SHALL BE INSTALLED AROUND INLET TOP. COMPLETED INLETS IN PAVED AREAS SHALL ALSO BE PROTECTED WITH ROCK BAGS TO PREVENT SEDIMENT INTAKE.
8. CURB INLETS ALSO SHALL BE PROTECTED FROM SEDIMENT INTAKE UNTIL THE PROJECT IS COMPLETE. ALL EXPOSED SLOPED MATERIAL ADJACENT TO INLET, SHALL BE COVERED WITH EROSION CONTROL MATTING WITH OUTER LIMITS PROTECTED BY ROCK BAGS.
9. STOCKPILED MATERIAL SHALL NOT BE LEFT IN EROSION PRONE AREAS UNLESS PROTECTED BY COVER OR ROCK BAGS.
10. INSPECTION OF EROSION CONTROL MEASURES AND CONDITION OF ADJACENT PROPERTIES, SHALL BE PERFORMED DAILY BY THE CONTRACTOR'S REPRESENTATIVE AND THE PROJECT ENGINEER. DEFICIENCIES SHALL BE NOTED AND CORRECTED.
11. ANY OFFSITE SEDIMENT DISCHARGE TO A MUNICIPAL SEPARATE STORM WATER SYSTEM ARISING FROM THE CONTRACTOR'S ACTIVITIES IS NOT ALLOWED. REFER TO PUBLIC WORKS DEPARTMENT BULLETIN No. 25 and City Ordinance 13081.
12. THE USE OF SANITARY SEWERS, FRENCH DRAINS, COVER DITCHES AND/OR ROCK DRAINS FOR THE DISPOSAL OF WASTEWATER IS EXPRESSLY PROHIBITED. REFER TO PUBLIC WORKS DEPARTMENT BULLETIN No. 25 and City Ordinance 13081.

* NPDES – NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM Authorized by NPDES permit FLS 000002.
BMP – Best Management Practice.

STORM WATER POLLUTION PREVENTION PLAN (SWPPP) CHECKLIST

A. SEQUENCE OF SOIL DISTURBING ACTIVITIES AND IMPLEMENTATION OF CONTROLS:

1. CLEAR & GRUBBING
2. INSTALL DRAINAGE STRUCTURES
3. STABILIZATION
4. BASE PREPARATION
5. ASPHALT APPLICATION
6. PLACEMENT OF ROCK BAGS AROUND INLETS
7. PLACEMENT OF ROCK BAGS AROUND MANHOLES
8. APPLICATION OF FRICTION COURSE A.C.
9. INSTALLATION OF STREET SIGNING
10. PAVEMENT MARKING
11. REMOVE ROCK BAGS
12. CLEAN ALL CONSTRUCTION DEBRIS FROM CONSTRUCTION SITE

B. GENERAL

1. APPROVED STATE, LOCAL PLANS OR STORM WATER PERMITS.
2. ALL OF THE CONTROLS SHALL BE MAINTAINED AT ALL TIMES.
3. ALL CONTROLS SHALL BE INSPECTED DAILY.
4. APPLY FERTILIZERS AND PESTICIDES ACCORDING TO STANDARD SPECIFICATIONS, DESIGN AND SPECIAL PROVISIONS.
5. REPORT NON-STORM WATER DISCHARGE (INCLUDING SPILL) (305) 416-1200.
6. VISIT www.dep.state.fl.us/water/stormwater/npdes/

NOTES:

Total Acreage of Disturbed Soil 0.83 AC

PW NPDES Permit No. _____

Date Issued: _____



<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>		DATE	DESCRIPTION			<p>A&P Consulting Transportation Engineers Corp. 10305 N.W. 41 Street, suite 115 Miami, FL 33178 (305) 592-7283 / fax: (305) 593-1594 CA No. : EB-0007797 Lazaro Ferrero, P.E. No. 58025</p>	<p>CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM 444 S.W. 2ND AVENUE, 8TH FLOOR MIAMI, FLORIDA 33130 (305) 416-1213 FAX (305) 416-1253</p>	<p>CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM</p> <table border="1"> <thead> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>FINANCIAL PROJECT ID</th> </tr> </thead> <tbody> <tr> <td>SW 64 CT</td> <td>MIAMI-DADE</td> <td>B-30792</td> </tr> </tbody> </table>	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SW 64 CT	MIAMI-DADE	B-30792	<p>SHEET NO.</p> <p>SWPPP NOTES AND DETAILS</p> <p>10</p>
DATE	DESCRIPTION														
ROAD NO.	COUNTY	FINANCIAL PROJECT ID													
SW 64 CT	MIAMI-DADE	B-30792													

SWPPP – NARRATIVE

1. PROJECT/SITE DESCRIPTION

a. CONSTRUCTION ACTIVITY:

THE CITY OF MIAMI IS PROPOSING IMPROVEMENTS ALONG SW 64 CT FROM SW 8TH ST TO SW 6TH ST. THESE IMPROVEMENTS CONSIST OF MINOR DRAINAGE UPGRADES, RE-GRADE SWALE AREAS, DAMAGED SIDEWALK REPLACEMENT, STRIPING, SIGNAGE AND ADA RAMPS.

PROJECT LIMITS:

SW 64 CT. FROM SW 8TH ST. TO SW 6TH ST.

PROJECT DESCRIPTION:

THESE IMPROVEMENTS CONSIST OF MILLING AND RESURFACING, MINOR DRAINAGE UPGRADES, RE-GRADE SWALE AREAS, DAMAGED SIDEWALK REPLACEMENT, STRIPING AND ADA RAMPS

b. MAJOR SOIL DISTURBING ACTIVITIES:

- CLEARING & GRUBBING
- REGULAR EXCAVATION
- GRADING SLOPES
- REMOVAL OF EXISTING PAVEMENT
- DRAINAGE – STRUCTURE CONSTRUCTION
- ROADWAY CONSTRUCTION
- EARTHWORK ASSOCIATED WITH DRAINAGE TRENCH EXCAVATION, CONCRETE CURB, CURB & GUTTER SUBGRADE, BASE, PAVEMENT AND SIDEWALK CONSTRUCTION
- FOR A DETAILED SEQUENCE OF CONSTRUCTION REFER TO THE TRAFFIC CONTROL PLANS.

c. TOTAL PROJECT AREA:

B-30792 – 1.46 AC

TOTAL AREA TO BE DISTURBED:

B-30792 – 0.83 AC

d. (1) RUNOFF COEFFICIENTS BEFORE, DURING, AND AFTER CONSTRUCTION:

BEFORE: 0.80
DURING: 0.75
AFTER: 0.80

(2) DESCRIPTION OF SOIL OR QUALITY OF DISCHARGE:

SEE ROADWAY SURVEY SHEET IN THE ROADWAY SET OF PLANS

(3) ESTIMATES OF SIZE OF DRAINAGE AREA FOR EACH OUTFALL:

THE PROPOSED SYSTEM IS NOT CONNECTED TO ANY OUTFALLS, IT IS A SELF-CONTAINED SYSTEM.

e. FOR LOCATIONS OF DRAINAGE AREAS AND OUTFALLS:

SEE DRAINAGE MAPS AND DRAINAGE STRUCTURE SHEETS IN THIS SET OF PLANS
OUTFALL STRUCTURE LOCATIONS: THE PROPOSED SYSTEM IS NOT CONNECTED TO ANY OUTFALLS, IT IS A SELF-CONTAINED SYSTEM.

f. (1) NAME OF RECEIVING WATERS:

NONE

(2) WETLAND AREA:

THERE ARE NO WETLANDS AREA ON THE PROJECT SITE.

2. CONTROLS

NARRATIVE – SEQUENCE OF SOIL DISTURBING ACTIVITIES AND IMPLEMENTATION OF CONTROLS:

PRIOR TO THE START OF CLEARING AND GRUBBING OPERATIONS, SILT FENCE, WIND SCREEN AND SYNTHETIC BALES SHALL BE INSTALLED AS SHOWN ON THE PLANS FOR EACH PHASE OF CONSTRUCTION OR AS DIRECTED BY THE ENGINEER. THE SILT FENCE, SHALL REMAIN IN PLACE UNTIL THE CONSTRUCTION IS COMPLETED OR AS DIRECTED BY THE ENGINEER. TEMPORARY SODDING, PERMANENT SODDING, ETC SHALL BE PLACED IN DISTURBED SOILS. ALL DISCHARGE FROM DEWATERING PUMPS WILL BE DIRECTED TO THE INTERCHANGE INFIELD AREAS. REFER TO SWPPP PAGE 1 FOR ADDITIONAL INFORMATION.

o. EROSION AND SEDIMENT CONTROLS:

(1) STABILIZATION PRACTICES:

- TEMPORARY SODDING
- TEMPORARY GRASSING
- PERMANENT PLANTING, SODDING, OR SEEDING
- TEMPORARY MULCHING
- ARTIFICIAL COVERING
- BUFFER ZONES
- PRESERVATION OF NATURAL RESOURCES
- OTHER : THE CONTRACTOR IS TO MAINTAIN THE EXISTING VEGETATION WHEREVER POSSIBLE AND PERFORM DAILY DUST CONTROL.

(1) STRUCTURAL PRACTICES:

- SAND BAGGING
- SILT FENCES
- WIND SCREEN
- X SYNTHETIC BALES
- BERMS
- DIVERSION, INTERCEPTOR, OR PERIMETER DITCHES
- PIPE SLOPE DRAINS
- FLUMES
- ROCK BEDDING AT CONSTRUCTION EXIT
- TIMBER BEDDING AT CONSTRUCTION EXIT
- DITCH LINER
- SEDIMENT TRAPS
- SEDIMENT BASINS
- STORM INLET SEDIMENT TRAP
- STONE OUTLET STRUCTURES
- CURBS AND GUTTERS
- STORM SEWERS
- VELOCITY CONTROL DEVICES
- TURBIDITY BARRIER
- RIP RAP
- OTHER :

b. DESCRIPTION OF STORM WATER MANAGEMENT:

THE RUNOFF IS COLLECTED BY A STORM SEWER SYSTEM. 165 LF OF FRENCH DRAINS PROVIDE WATER QUALITY TREATMENT.

c. OTHER CONTROLS

(1) WASTE DISPOSAL:

- ANY CONSTRUCTION DEBRIS GENERATED AS A RESULT OF THIS PROJECT WILL BE DISPOSED OF OFF-SITE AT AN APPROPRIATE WASTE DISPOSAL FACILITY
- a.) CONCRETE WASH OUT LOCATIONS WILL BE PROVIDED IN AREAS WHERE THE DISPOSAL MATERIALS WILL BE CONTAINED SO AS TO PREVENT DISCHARGE OUTSIDE OF THE PROJECT LIMITS AND INTO THE WATERWAYS.
- b.) NEW DRAINAGE STRUCTURES WILL BE PROTECTED WITH SYNTHETIC BALES AND/OR FILTER FABRIC.
- c.) STAGING AREAS WILL BE LOCATED WITHIN THE PROJECT WORK ZONE UNLESS REQUESTED OTHERWISE FOR APPROVAL.
- d.) LITTER WILL BE DEPOSITED IN APPROPRIATE LOCATIONS. A DUMPSTER MAY BE PROVIDED AT THE SITE DEPENDING ON THE AMOUNT OF LITTER GENERATED.
- e.) LOADED TRUCKS WILL BE COVERED WITH TARPS
- f.) SWEEPERS AND/OR WATER TRUCKS WILL BE PROVIDED TO REDUCE DUST DAILY.
- g.) SOIL PREVENTION TRACKING WILL BE INSTALLED AS PER THE SWPPP AND/OR AS DIRECTED BY CITY INSPECTOR.

(2) OFFSITE VEHICLE TRACKING:

- HAUL ROADS DAMPENED FOR DUST CONTROL
- LOADED HAUL TRUCKS TO BE COVERED WITH TARPULIN
- EXCESS DIRT ON ROAD REMOVED DAILY
- STABILIZED CONSTRUCTION ENTRANCE
- WATER TRUCK SCHEDULING
- STREET SWEEPING (DAILY)
- OTHER :

(3) SANITARY WASTE:

(4) FERTILIZERS, PESTICIDES AND TREES:

NO FERTILIZERS OR PESTICIDES WILL BE USED AT THE SITE. PROTECT ALL TREES WITHIN PROJECT LIMITS AS PER FDOT INDEX No. 544.

(5) TOXIC SUBSTANCES:

TOXIC SUBSTANCES WILL NOT BE STORED AT THE SITE.

(6) NON-STORM WATER DISCHARGE (INCLUDING SPILL REPORTING):

NO NON-STORMWATER DISCHARGES ARE ANTICIPATED AT THIS TIME. CONTAMINATED SOIL OR GROUNDWATER ENCOUNTERED SHALL BE REPORTED IMMEDIATELY TO THE CITY PERSONNEL IN ACCORDANCE WITH PW BULLETIN No. 25. IF DEWATERING IS IMPLEMENTED, THE WATER WILL BE DEPOSITED IN A CONTROLLED AREA ON-SITE TO PREVENT OFF-SITE DISCHARGE OR AS APPROVED BY PERMIT.

(7) EROSION CONTROL DEVICES

LOCATIONS AND TYPES OF ALL EROSION CONTROL DEVICES SHALL BE INSTALLED AS DIRECTED BY PLAN AND/OR BY THE CITY OF MIAMI. CONTRACTOR SHALL IMPLEMENT THE SWPPP AS PER THE CONTRACT PLANS AND MAY BE REVISED BASED ON ACTUAL FIELD CONDITIONS AT THE TIME WORK IS BEING PERFORMED. FIELD MODIFICATIONS WILL BE APPROVED BY THE CITY OF MIAMI. MONITORING SHALL BE PERFORMED ON A WEEKLY BASIS AND AFTER A 1/2" STORM EVENT WITH ROUTINE MAINTENANCE AND REPLACEMENT OF ANY DEVICES AS REQUIRED.

CONTAINMENT OR REMOVAL OF POLLUTANTS SHALL BE IN ACCORDANCE WITH ALL APPLICABLE STATE AND CITY OF MIAMI REGULATIONS AND/OR FDOT STANDARD SPECIFICATIONS. THE RESPONSIBLE PERSONS FOR MONITORING AND MAINTAINING THE EROSION CONTROL DEVICES SHALL BE:

CONTRACTOR: TBD TELEPHONE: TBD

REMARKS:

IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED, CONTACT PROJECT ENGINEER AT 305-416-1238

d. APPROVED STATE, LOCAL PLANS, OR STORM WATER PERMITS: (CHECK ALL THAT APPLY)

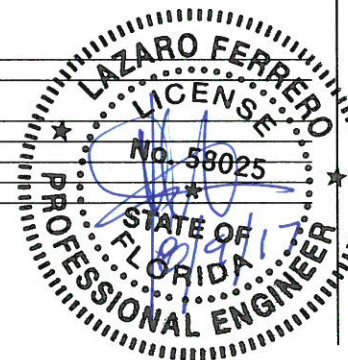
- 1. NPDES PERMIT (0.5 ACRE OR MORE)
- 2. NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT FROM THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) FOR PROJECTS DISTURBING MORE THAN 1 ACRE.
- 3. DADE COUNTY DEPARTMENT ON ENVIRONMENTAL RESOURCE MANAGEMENT (DERM) CLASS II-STORMWATER MANAGEMENT PERMIT AND DEWATERING PERMIT.
- 4. ENVIRONMENTAL RESOURCES (ERP) PERMIT FROM THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD)
- 5. U.S. ARMY CORP OF ENGINEERS DREDGE AND FILL PERMIT.
- 6. SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD) RIGHT-OF-WAY USE PERMIT.
- 7. PUBLIC WORKS EXCAVATION PERMIT
- 8. POLICE
- 9. TREE PERMIT
- 10. CITY DEWATERING PERMIT

3. MAINTENANCE:

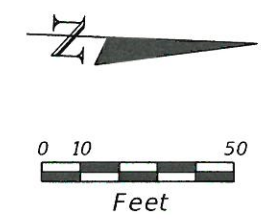
- ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER; IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT.
- BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD OF THE HEIGHT OF THE FENCE.
- PROTECT ALL INLETS SURROUNDING CONSTRUCTION SITE.
- STREET SWEEPING AND DUST PREVENTION MUST BE IMPLEMENTED DAILY.

4. INSPECTION:

- a. QUALIFIED PERSONNEL FROM THE CITY AND CONTRACTOR SHALL INSPECT THE FOLLOWING ITEMS DAILY THROUGHOUT THE CONSTRUCTION PERIOD.
- b. PREPARATION OF THE CONSTRUCTOR'S WEEKLY REPORT OF INSPECTION, MAINTENANCE AND REPAIRS FOR THE CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION SHALL BE INCLUDED IN THE COST OF THE RESPECTIVE PAY ITEMS. WHERE SITES HAVE BEEN FINALLY STABILIZED, INSPECTIONS SHALL BE CONDUCTED WEEKLY.
 - POINTS OF DISCHARGE TO WATERS OF THE UNITED STATES
 - POINTS OF DISCHARGE TO MUNICIPAL SEPARATE STORM SEWER SYSTEMS
 - DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED
 - AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION
 - STRUCTURAL CONTROLS
 - STORMWATER MANAGEMENT SYSTEMS
 - LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE
 - STREET SWEEPING AND DUST CONTROL
- c. A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION. IF REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF THE REPORT
- d. REMOVE EXCESS DIRT FROM ALL ROADS ADJACENT TO PROJECT AREA ON A DAILY BASIS.
- e. SEDIMENT FOUND IN DRAINAGE INSPECTION WILL REQUIRE DRAINAGE SYSTEM CLEANING BY CONTRACTOR.



<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>		DATE	DESCRIPTION			<p>A&P Consulting Transportation Engineers Corp.</p> <p>10305 N.W. 41 Street, suite 115 Miami, FL 33178 (305) 592-7283 / fax: (305) 593-1594 CA No. : EB-0007797 Lazaro Ferrero, P.E. No. 58025</p>	<p>CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM</p> <p>444 S.W. 2ND AVENUE, 8TH FLOOR MIAMI, FLORIDA 33130 (305) 416-1213 FAX (305) 416-1253</p>	<p>CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM</p> <table border="1"> <thead> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>FINANCIAL PROJECT ID</th> </tr> </thead> <tbody> <tr> <td>SW 64 CT</td> <td>MIAMI-DADE</td> <td>B-30972</td> </tr> </tbody> </table>	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SW 64 CT	MIAMI-DADE	B-30972	<p>SHEET NO.</p> <p>11</p>
DATE	DESCRIPTION														
ROAD NO.	COUNTY	FINANCIAL PROJECT ID													
SW 64 CT	MIAMI-DADE	B-30972													



BEGIN PROJECT
 BEGIN MILLING & RESURFACING
 STA. 10+67.00
 B SURVEY & C CONST.
 (MATCH EXIST.)

END PROJECT
 END MILLING & RESURFACING
 STA. 16+59.00
 B SURVEY & C CONST.
 (MATCH EXIST.)

SW 8TH STREET

SW 6TH STREET

10

11

12

13

14

16

17

SW 64TH COURT



LEGEND

■■■■■ INLET PROTECTION SYSTEM

REVISIONS	
DATE	DESCRIPTION

A&P Consulting Transportation Engineers Corp.
 10305 N.W. 41 Street, suite 115
 Miami, FL 33178
 (305) 592-7283 / fax: (305) 593-1594
 CA No. : EB-0007797
 Lazaro Ferrero, P.E. No. 58025



CITY OF MIAMI
 CAPITAL IMPROVEMENTS PROGRAM
 444 S.W. 2ND AVENUE, 8TH FLOOR
 MIAMI, FLORIDA 33130
 (305) 416-1213 FAX (305) 416-1253

CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SW 64 CT.	MIAMI-DADE	B-30972

EROSION CONTROL PLAN

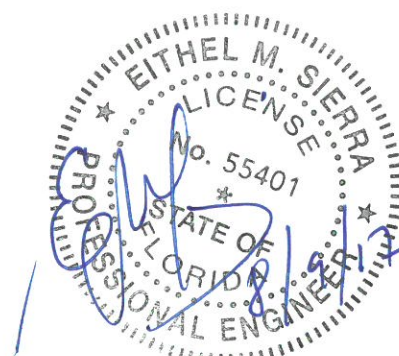
SHEET NO.
 12

TRAFFIC CONTROL PLANS:

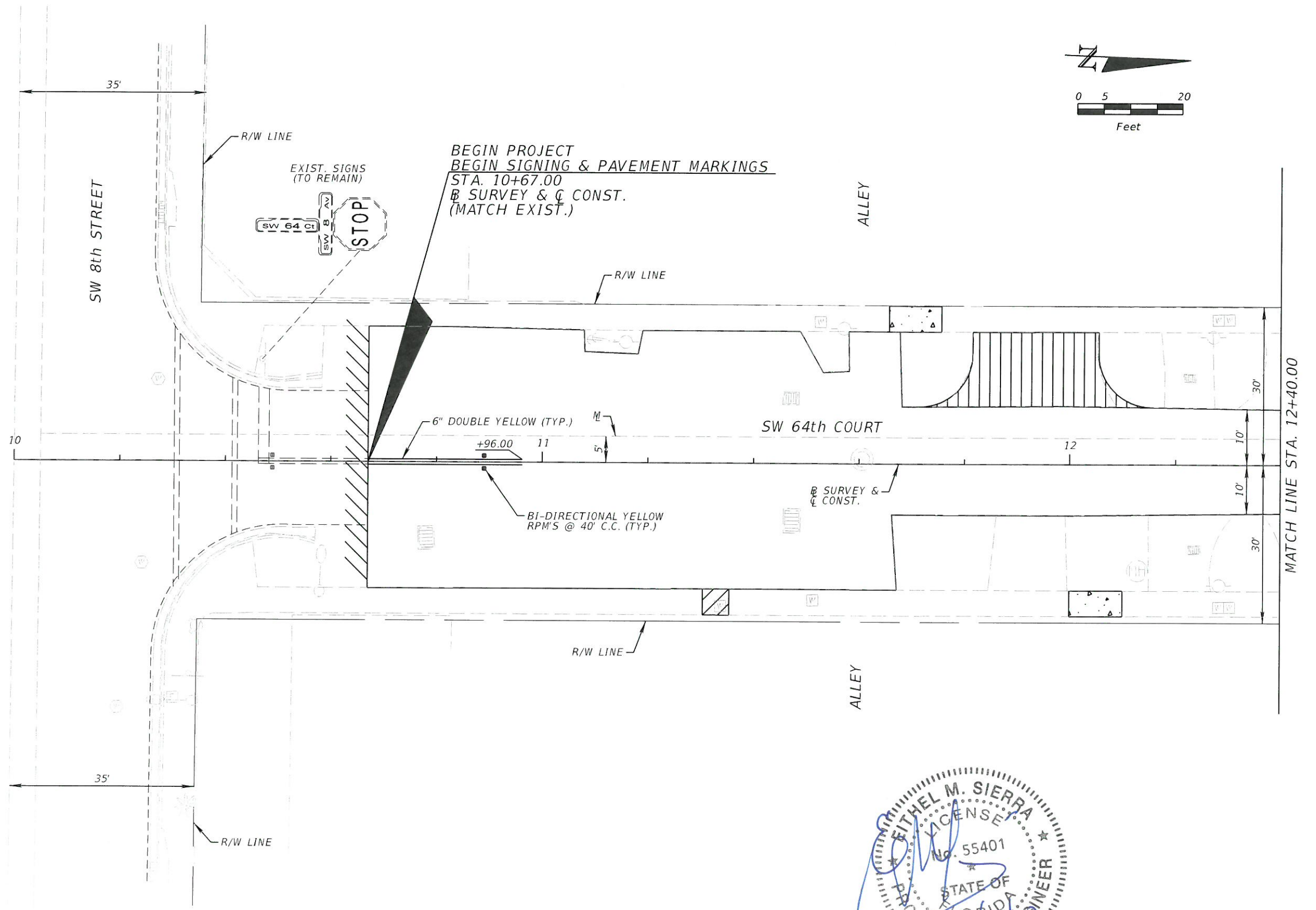
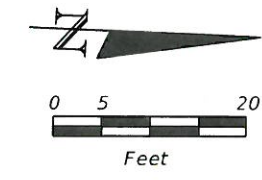
1. TRAFFIC CONTROLS SHALL BE IN ACCORDANCE WITH THE PROJECT PLANS, THE CURRENT EDITION OF THE FLORIDA DOT DESIGN STANDARDS (600 SERIES), THE STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AS MINIMUM CRITERIA.
2. NOTIFICATION OF LANE CLOSURES OR TEMPORARY DETOURS SHALL BE ACCOMPLISHED 14 WORKING DAYS PRIOR TO CLOSURE. DETOUR OR MOT PHASE CHANGE SHALL BE SUBMITTED WITH THE REQUIRED LANE CLOSURE FORM, SKETCHES, CALCULATIONS, AND OTHER DATA TO THE ENGINEER.
3. 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.
4. 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.
5. 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 WEEKDAYS AND WEEKENDS.
6. TRAFFIC CONTROL PLANS FOR ALL PHASES ARE DESIGNED FOR NON-PEAK HOURS ONLY. THE CONTRACTOR SHALL KEEP ALL EXISTING LANES OPEN DURING PEAK HOURS IN THESE PHASES.
7. AS DETERMINED BY THE ENGINEER, THE CONTRACTOR SHALL COVER WORK ZONE SIGNS WHEN CONDITIONS NO LONGER WARRANT THEIR USE. COST OF COVERING AND UNCOVERING THE SIGNS SHALL BE INCLUDED IN PAY ITEM 102-1, MAINTENANCE OF TRAFFIC.
8. CONTRACTOR SHALL REMOVE, RELOCATE OR COVER ANY EXISTING OR PROPOSED SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLANS. WHEN THE CONFLICT NO LONGER EXISTS, THE CONTRACTOR SHALL RESTORE THE SIGNS TO THEIR ORIGINAL POSITION. COST OF TEMPORARILY REMOVING, RELOCATING, COVERING AND RESTORING THE SIGNS SHALL BE INCLUDED IN PAY ITEM 102-1, MAINTENANCE OF TRAFFIC.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE REMOVAL OF STORM WATER FROM ROADWAYS UTILIZED FOR MAINTAINING TRAFFIC IN A MANNER APPROVED BY THE ENGINEER. COST FOR REMOVING THE WATER SHALL BE INCLUDED IN PAY ITEM 102-1, MAINTENANCE OF TRAFFIC.
10. COST OF REMOVAL OF WORK ZONE PAVEMENT MARKINGS (INCLUDING PAINT, REMOVABLE TAPE AND MARKERS), REGARDLESS OF METHOD, TO BE INCLUDED IN THE RELATED PAVEMENT MARKING/MARKERS PAY ITEMS. COST OF REMOVAL OF PAVEMENT MARKINGS AND MARKERS, EXISTING PRIOR TO CONSTRUCTION, TO BE INCLUDED IN MAINTENANCE OF TRAFFIC, PAY ITEM 102-1. USE OF BLACK PAINT TO COVER EXISTING AND/OR TEMPORARY PAVEMENT MARKINGS IS PROHIBITED. GRINDING OR MILLING SHALL ONLY BE PERMITTED IN NON-TRAFFIC AREAS.
11. TEMPORARY LANE TRANSITIONS, SHIFTS, AND CROSSOVERS SHALL HAVE SOLID LANE AND EDGE LINES FOR THE LENGTH OF THE TRANSITION, SHIFT OR CROSSOVER. IN ADDITION, SOLID LANE AND EDGE LINES SHALL EXTEND 100 FT ON TANGENT BEYOND EACH END OF THE TRANSITION, SHIFT, OR CROSSOVER. EXCEPTION SHALL BE THROUGH INTERSECTIONS WHERE 2 FT TO 4 FT SKIP LINES WILL BE PLACED.
12. ALL TEMPORARY STRIPES AND MARKINGS SHALL BE PAINT ONLY, UNLESS OTHERWISE SPECIFIED ON THE PLANS OR APPROVED BY THE ENGINEER.
13. CONTRACTOR TO MAINTAIN LEFT TURNS AT THE INTERSECTIONS WITH STORAGE FOR TWO VEHICLES.
14. FOR DROP OFFS, THE CONTRACTOR'S ATTENTION IS DIRECTED TO STANDARD INDEX NO. 600, SHEET 10 OF 13. THE CONTRACTOR SHALL USE SHOULDER TREATMENT DETAIL WHEN NO BARRIERS ARE REQUIRED IN THE PLANS.
15. CONTRACTOR SHALL PREPARE AND SUBMIT AN ACCEPTABLE TCP PLAN FOR THE PROJECT. THE TCP PLAN SHALL BE SUBMITTED TO THE CITY OF MIAMI'S PUBLIC WORKS DEPARTMENT FOR REVIEW AND APPROVAL.


PEDESTRIANS, BICYCLES, AND WHEELCHAIRS:

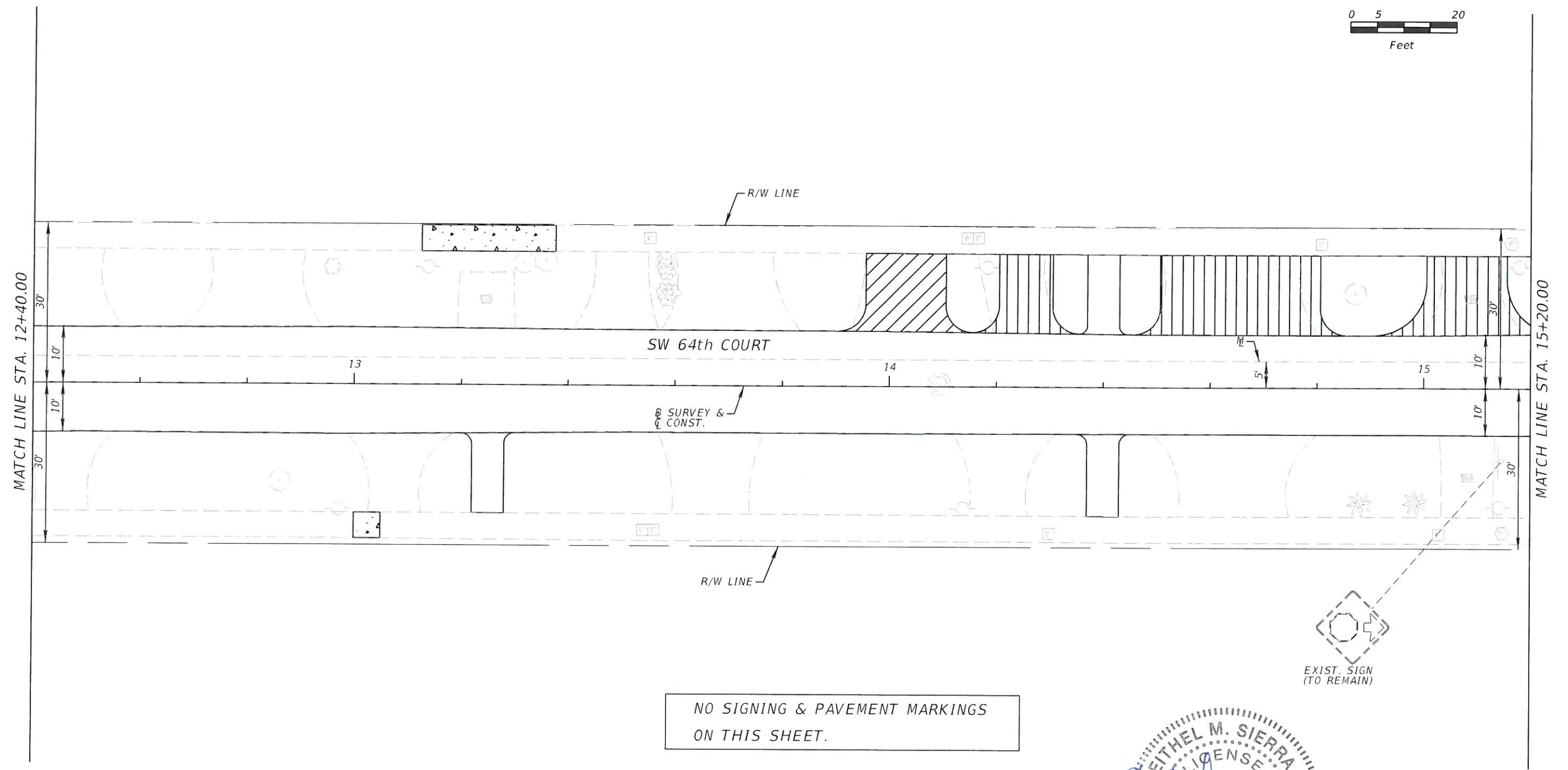
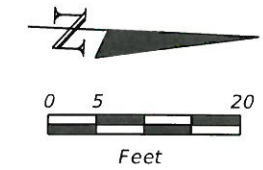
16. AT THE END OF EACH WORK DAY OR WHENEVER THE WORK ZONE BECOMES INACTIVE, ANY DROP OFF GREATER THAN 6 IN. ADJACENT TO THE PEDESTRIAN, BICYCLE, AND WHEELCHAIR TRAVEL PATHS SHALL BE BACKFILLED FLUSH WITH THE SAID PATHS OR PROTECTED WITH TEMPORARY FENCE, CONCRETE BARRIER WALL OR APPROVED HANDRAIL. COST SHALL BE INCLUDED IN PAY ITEM 102-1, MAINTENANCE OF TRAFFIC.
17. CONSTRUCTION ACTIVITIES THAT INVOLVES SIDEWALKS ON BOTH SIDES OF THE STREET ARE NOT ALLOWED UNLESS APPROVED BY THE ENGINEER.
18. MAINTAIN PEDESTRIAN ACCESS TO BUS STOP LOCATIONS IN PROJECT AREA. IF BUS STOP MUST BE RELOCATED DUE TO CONSTRUCTION ACTIVITIES, PLEASE CONTACT MR. BOB PEARSALL, MDT (786) 469-5163 (RPEAR@MIAMIDADE.GOV) OR RICK AGUILAR (RICAGUI@MIAMIDADE.GOV).



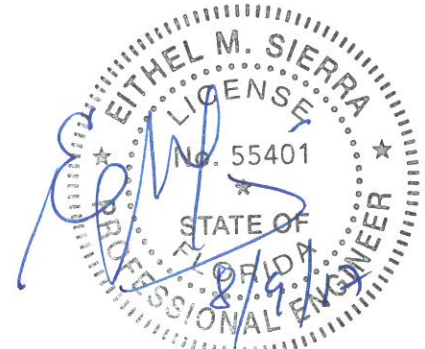
REVISIONS		A&P Consulting Transportation Engineers Corp. 10305 N.W. 41 Street, suite 115 Miami, FL 33178 (305) 592-7283 / fax: (305) 593-1594 CA No. : EB-0007797 Eithel M. Sierra, P.E. No. 55401	 CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM 444 S.W. 2ND AVENUE, 8TH FLOOR MIAMI, FLORIDA 33130 (305) 416-1213 FAX (305) 416-1253	CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM			TEMPORARY TRAFFIC CONTROL NOTES	SHEET NO. 13
DATE	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			SW 64 CT.	MIAMI-DADE	B30972			



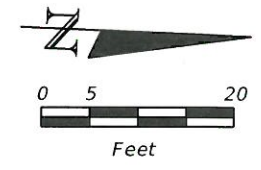
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REVISIONS	DESCRIPTION																		
DATE																			
CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM																			
ROAD NO.	COUNTY	FINANCIAL PROJECT ID																	
SW 64 CT.	MIAMI-DADE	B-30972																	



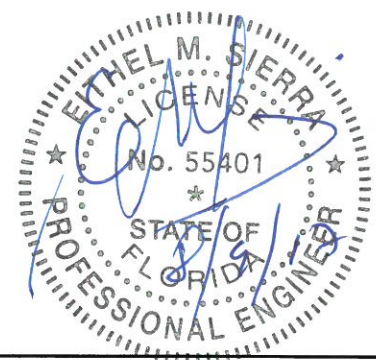
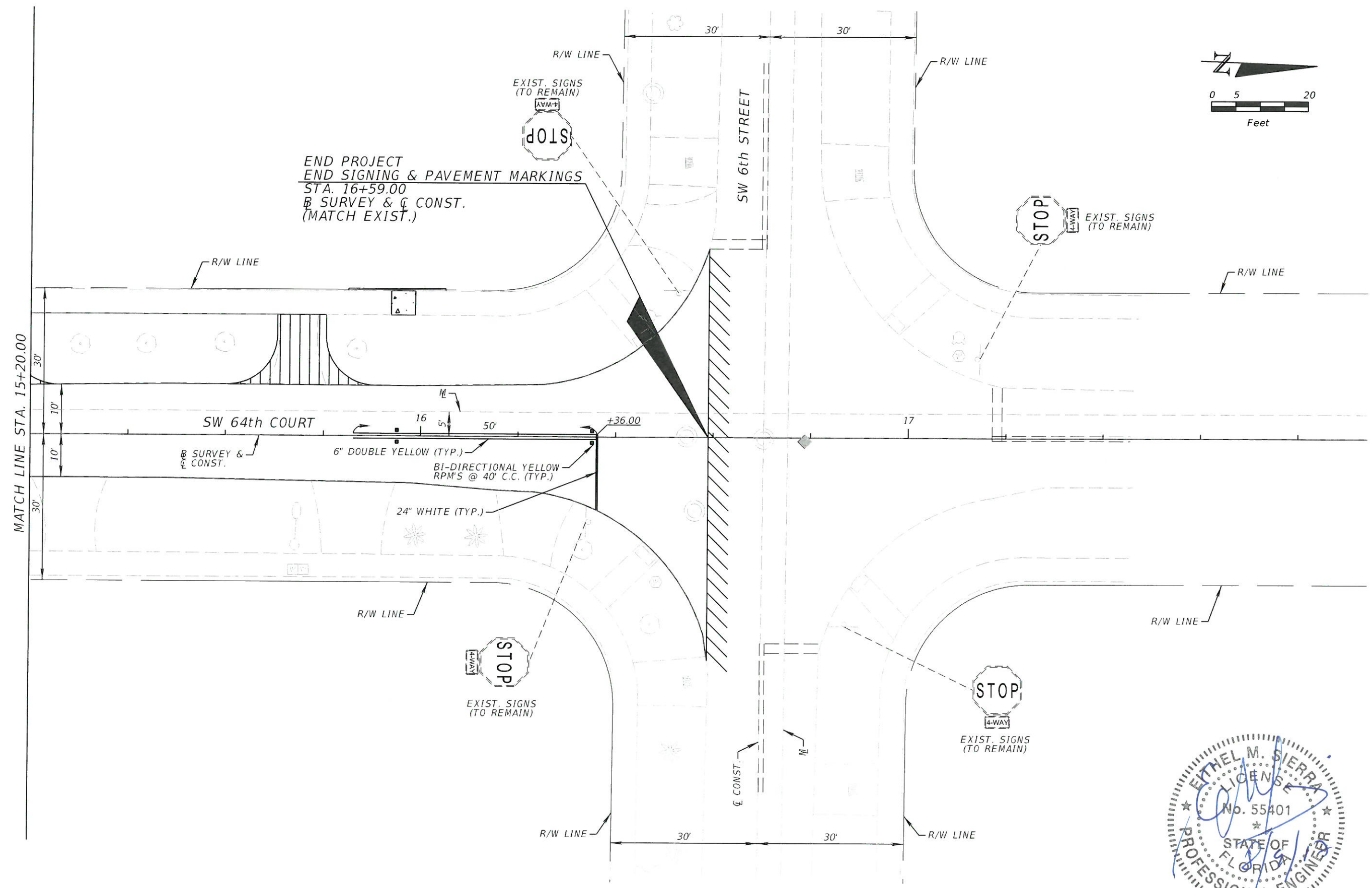
NO SIGNING & PAVEMENT MARKINGS
ON THIS SHEET.



DATE		DESCRIPTION		A&P Consulting Transportation Engineers Corp. 10305 N.W. 41 Street, suite 115 Miami, FL 33178 (305) 592-7283 / fax: (305) 593-1594 CA No. : EB-0007797 Eithel M. Sierra, P.E. No. 55401		 CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM 444 S.W. 2ND AVENUE, 8TH FLOOR MIAMI, FLORIDA 33130 (305) 416-1213 FAX (305) 416-1253		CAPITAL IMPROVEMENTS PROGRAM ROAD NO. COUNTY FINANCIAL PROJECT ID SW 64 CT. MIAMI-DADE B-30972		SIGNING & PAVEMENT MARKINGS		SHEET NO. S-2
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END PROJECT
 END SIGNING & PAVEMENT MARKINGS
 STA. 16+59.00
 B SURVEY & C CONST.
 (MATCH EXIST.)



<table border="1"> <thead> <tr> <th>REVISIONS</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>DATE</td> <td></td> </tr> </tbody> </table>		REVISIONS	DESCRIPTION	DATE		A&P Consulting Transportation Engineers Corp. 10305 N.W. 41 Street, suite 115 Miami, FL 33178 (305) 592-7283 / fax: (305) 593-1594 CA No. : EB-0007797 Ethel M. Sierra, P.E. No. 55401	 CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM 444 S.W. 2ND AVENUE, 8TH FLOOR MIAMI, FLORIDA 33130 (305) 416-1213 FAX (305) 416-1253	CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM <table border="1"> <thead> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>FINANCIAL PROJECT ID</th> </tr> </thead> <tbody> <tr> <td>SW 64 CT.</td> <td>MIAMI-DADE</td> <td>B-30972</td> </tr> </tbody> </table>	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SW 64 CT.	MIAMI-DADE	B-30972	SIGNING & PAVEMENT MARKINGS	SHEET NO. S-3
REVISIONS	DESCRIPTION															
DATE																
ROAD NO.	COUNTY	FINANCIAL PROJECT ID														
SW 64 CT.	MIAMI-DADE	B-30972														

SURVEYOR'S REPORT:

DATE OF SURVEY:

The date of completion of Survey was on July 15, 2015.

SURVEY LIMITS:

A portion of the following Public Right-of-Way; along S.W. 64th Court from S.W. 6th Street and S.W. 8th Street, lying and being in the City of Miami, Miami-Dade County, Florida.

ACCURACY:

The accuracy obtained by field measurement methods and office calculations of closed geometric figures meets and exceeds the Minimum Technical Standards requirement for Suburban Area (Linear 1 foot in 7,500 feet) as defined in Rule 5J-17.051 of the Florida Administrative Code.

Elevations of well identified features as depicted on the Survey Map were measured to an estimated vertical position accuracy of 1/100 of a foot on hard surfaces and 1/10 of a foot on ground surfaces.

Well identified features as depicted on the Survey Map were measured to an estimated horizontal position accuracy of 1/10 of a foot.

This Map of Survey is intended to be displayed at a scale of One inch equals Twenty feet or smaller.

PERTINENT INFORMATION USED FOR SURVEY:

For Horizontal Control:

Bearings and Coordinates are relative to the State Plane Coordinate System, Florida East Zone (0901), North American Datum (N.A.D.) of 1983, adjustment of 1990 (NAD 83 / 1990) Epoch 2010.0000; with a bearing of N02°23'22"W, being established for the centerline of S.W. 64th Court, said line to be considered a well established and monumented line.

Global Positioning System (G.P.S.), measurements were conducted in the field to acquire said coordinate values, which are based on the following Horizontal Control Stations:

Name: 86 ALONSO
Latitude: 25° 45' 45.45152" N
Longitude: 80° 17' 13.69323" W
Ellipsoid Height (Meters): -22.041
State Plane Coordinates
Northing: 520051.230
Easting: 890779.009

All referenced Stations are part of the Florida Permanent Reference Network (FPRN www.dot.state.fl.us/surveyingandmapping/fprn.shtml)

All measurements are in U.S. Survey feet.

This property appears to be located in Flood Zone "X", as per Federal Emergency Management Agency (FEMA) Community-Panel Number 120650 (City of Miami), Map No. 12086C0293, Suffix L, Map Revised Date: September 11, 2009.

For Vertical Control:

All elevations shown hereon are based on the City of Miami Vertical Datum, and a Benchmark supplied by the Public Works Department of Miami-Dade County, Florida.

Benchmark: MDC F-238
Elevation: + 11.44 (N.G.V.D. 29)
Elevation: + 11.70 (City of Miami Vertical Datum)
Located at 54' South of South curb of the centerline of S.W. 8th Street and 330' S.W. of intersection with S.W. 63rd Avenue.

Plot of "FAIR LAWN" recorded in Plat Book 8 at Page 83 of the Public Records of Miami-Dade County, Florida.

City of Miami Municipal Atlas Sheet 30N, prepared by the City of Miami, Public Works Department, last dated on September 12, 1972.

RESTRICTIONS:

Since no other information were furnished other than that is cited under pertinent information, the Client is hereby advised that there may be legal restrictions on the Subject Property that are not shown on the Survey Map that may be found in the Public Records of Miami-Dade County.

The Surveyor makes no representation as to ownership or possession of the Subject Property by any entity or individual that may appear on the Public Records of this County.

No excavation or determination was made as to how the Subject Property is served by utilities.

No improvements were located, other than those shown. No underground foundations, improvements and/or utilities were located or shown hereon.

PURPOSE OF SURVEY:

The purpose of this survey is for design.

CLIENT INFORMATION:

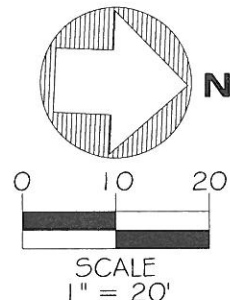
This Topographic Survey was prepared at the insistence of and certified to:

-A & P CONSULTING & TRANSPORTATION ENGINEERS

JOB NO.: 15387.0.00
FIELD BOOK: EFB

DRAWN BY: JL
SHEET 1 OF 4

MAP OF TOPOGRAPHIC SURVEY

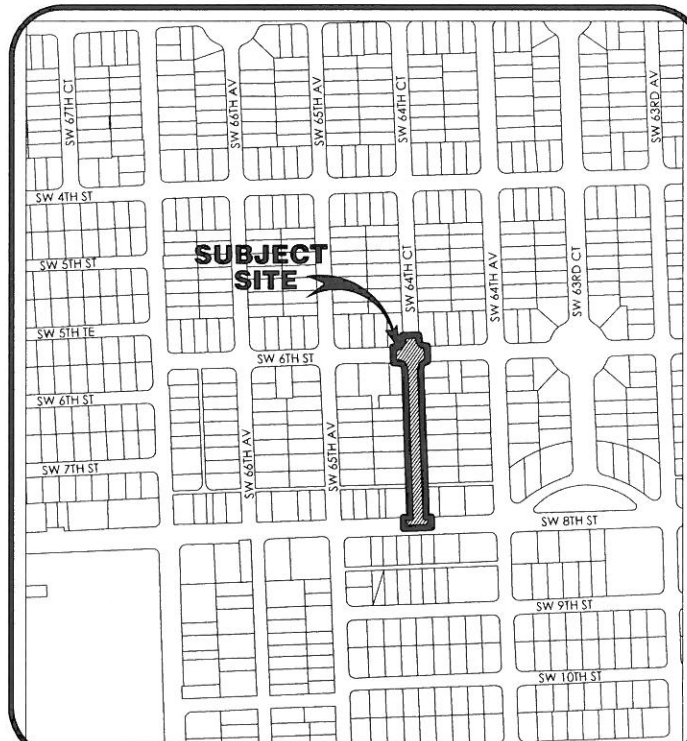


- (#18) CATCH BASIN
RIM ELEV.: 6.73
NORTH INV.: 0.88
24" Ø PIPE
(MAT. NOT DETERMINED)
BOTTOM ELEV.: -0.52
- (#19) CATCH BASIN
RIM ELEV.: 8.31
EAST INV.: 4.91
18" Ø CONC. PIPE
BOTTOM ELEV.: 4.41
- (#20) CATCH BASIN
RIM ELEV.: 7.98
FULL OF DEBRIS
BOTTOM ELEV.: -0.27

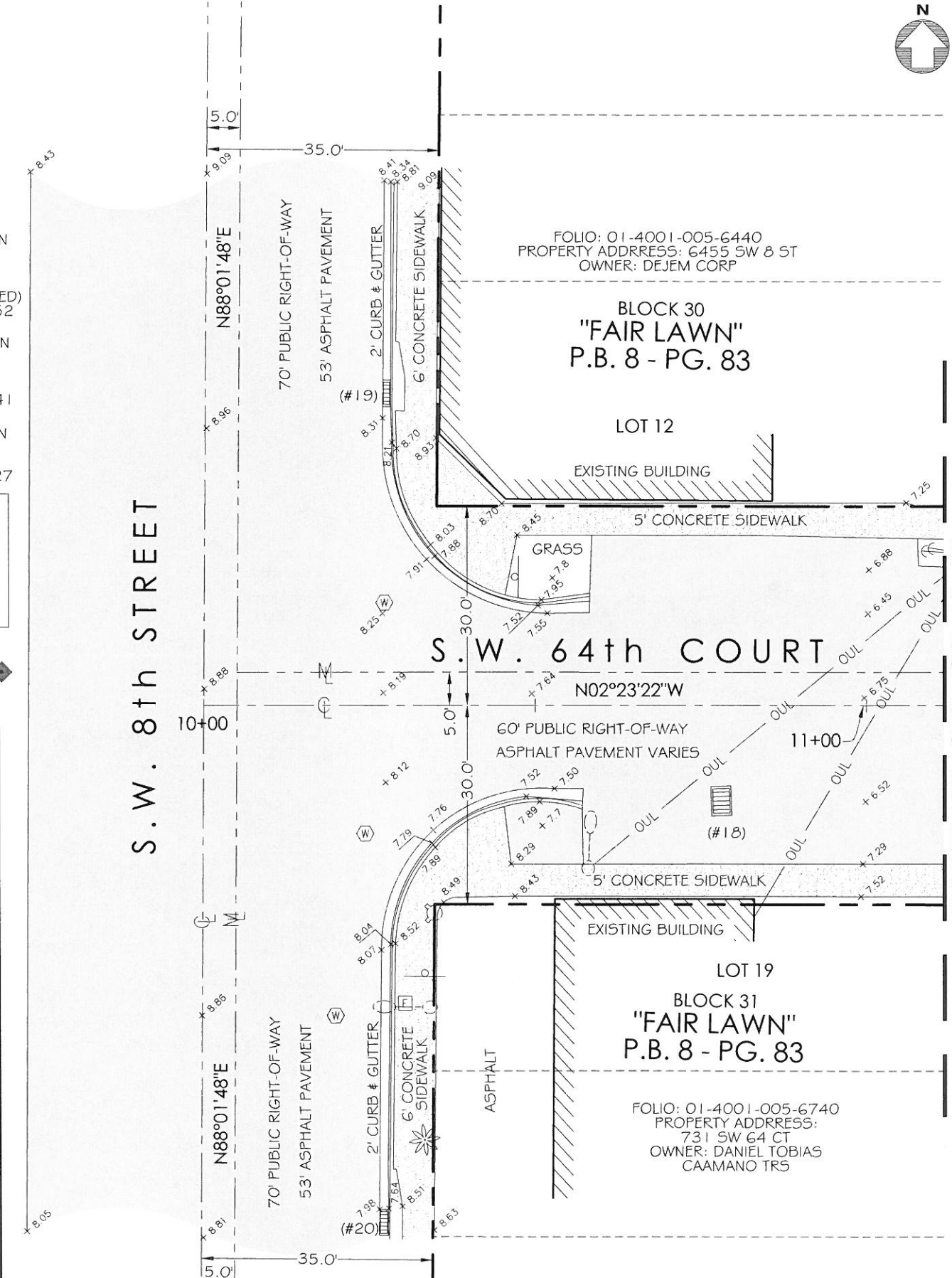
SITE TEMPORARY BENCHMARK # 1
(TBM #1)
ELEVATION = 8.70
SET PK NAIL & DISC
(L.B. 7335)
N: 520200.24
E: 886245.35

LEGEND	
CONC.	= CONCRETE
R	= RECORDED VALUE
M	= MEASURED VALUE
(C)	= CALCULATED
P.C.	= CENTERLINE
P.B.	= PLAT BOOK
PG.	= PAGE
○	= WOOD POWER POLE
○	= GUY ANCHOR
ID.	= IDENTIFICATION
□	= CATCH BASIN
—	= MONUMENT LINE
—	= OVERHEAD WIRE
W	= WATER VALVE
W	= WATER METER
W	= FIRE HYDRANT
◆	= TEMPORARY SITE BENCHMARK
○	= CONCRETE POWER POLE
○	= ORNAMENTAL PLANT
○	= LIGHT POLE
○	= TREE
○	= PALM TREE
○	= CLEAN OUT
○	= SANITARY SEWER MANHOLE
○	= STORM DRAINAGE MANHOLE
○	= UNKNOWN MANHOLE
□	= CONCRETE
□	= ASPHALT
—	= SIGN

**SECTION 01 - TOWNSHIP 54 SOUTH - RANGE 40 EAST
LYING AND BEING IN THE CITY OF MIAMI, FLORIDA**



LOCATION MAP



MATCH LINE STATION: 11+00

LONGITUDE SURVEYORS
7715 NW 48TH STREET, SUITE 310
DORAL, FLORIDA 33166
PHONE: (305) 463-0912 FAX: (305) 513-5680
WWW.LONGITUDESURVEYORS.COM

SURVEYOR'S CERTIFICATE:

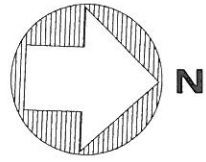
I hereby certify: That this "Topographic Survey" and the Survey Map resulting therefrom was performed under my direction and is true and correct to the best of my knowledge and belief and further, that said "Topographic Survey" meets the intent of the applicable provisions of the "Minimum Technical Standards for Land Surveying in the State of Florida", pursuant to Rule 5J-17.051 through 5J-17.052 of the Florida Administrative Code and its implementing law, Chapter 472.027 of the Florida Statutes.

LONGITUDE SURVEYORS LLC, a Florida Limited Liability Company. Florida Certificate of Authorization Number LB7335

By: *Eduardo M. Suarez*
Eduardo M. Suarez, PSM Signature Date
Registered Surveyor and Mapper LS6313
State of Florida

NOTICE: Not valid without the signature and original raised seal of a Florida Licensed Surveyor and Mapper. Additions or deletions to Survey Maps by other than the signing party are prohibited without the written consent of the signing party.

MAP OF TOPOGRAPHIC SURVEY



SCALE
1" = 20'

(#15) CATCH BASIN
RIM ELEV.: 6.00
EAST INV.: 2.30
14" Ø PIPE
(MAT. NOT DETERMINED)
BOTTOM ELEV.: 0.30

FOLIO: 01-4001-005-6430
PROPERTY ADDRESS: 712 SW 64 CT
OWNER: VENTURA DE PAZ
#W ADA DEL CARMEN

(#12) CATCH BASIN
RIM ELEV.: 5.69
NORTH INV.: 3.14
18" Ø ALUM. PIPE
EAST INV.: 0.99
18" Ø ALUM. PIPE
BOTTOM ELEV.: -1.31

FOLIO: 01-4001-005-6420
PROPERTY ADDRESS: 700 SW 64 CT
OWNER: GONZALEZ 700 LLC

BLOCK 30
"FAIR LAWN"
P.B. 8 - PG. 83

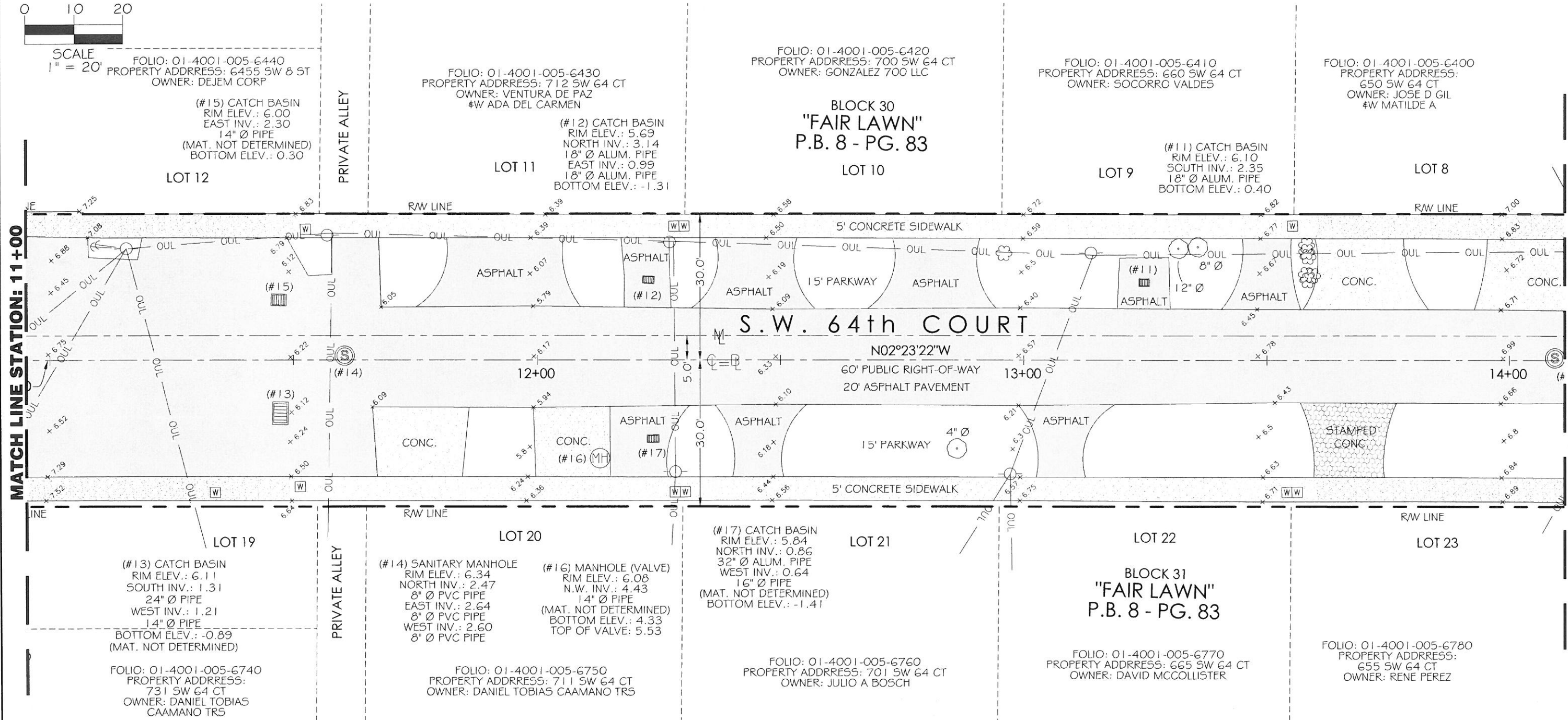
FOLIO: 01-4001-005-6410
PROPERTY ADDRESS: 660 SW 64 CT
OWNER: SOCORRO VALDES

(#11) CATCH BASIN
RIM ELEV.: 6.10
SOUTH INV.: 2.35
18" Ø ALUM. PIPE
BOTTOM ELEV.: 0.40

FOLIO: 01-4001-005-6400
PROPERTY ADDRESS:
650 SW 64 CT
OWNER: JOSE D GIL
#W MATILDE A

MATCH LINE STATION: 11+00

MATCH LINE STATION: 14+00

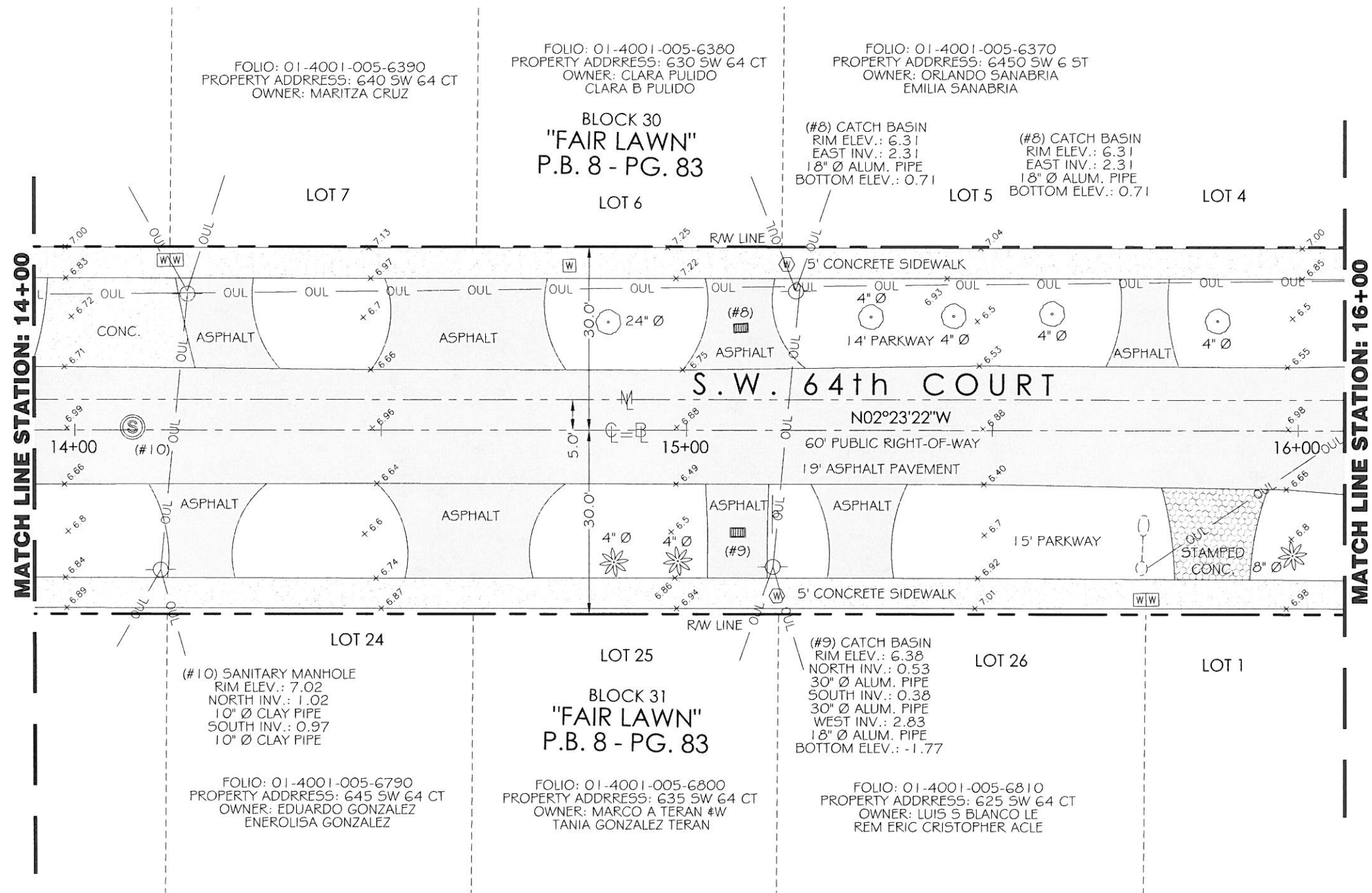
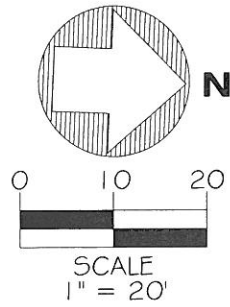


LEGEND					
	= WARNING PAD		= MONUMENT LINE		= CLEAN OUT
	= CONCRETE		= OVERHEAD WIRE		= SANITARY SEWER MANHOLE
	= RECORDED VALUE		= WATER VALVE		= STORM DRAINAGE MANHOLE
	= MEASURED VALUE		= WATER METER		= UNKNOWN MANHOLE
	= CALCULATED		= FIRE HYDRANT		= CONCRETE
	= CENTERLINE		= TEMPORARY SITE BENCHMARK		= ASPHALT
	= PLAT BOOK		= CONCRETE POWER POLE		= SIGN
	= PAGE		= ORNAMENTAL PLANT		= PALM TREE
	= WOOD POWER POLE		= LIGHT POLE		= TELEPHONE MANHOLE
	= GUY ANCHOR		= TREE		
	= IDENTIFICATION		= RIGHT-OF-WAY		
	= CATCH BASIN				
	= RIGHT-OF-WAY				

LONGITUDE SURVEYORS
7715 NW 48th STREET, SUITE 310
DORAL, FLORIDA 33166
PHONE: (305) 463-0912 FAX: (305) 513-5680
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JOB NO.: 15387.0.00 DRAWN BY: JL
FIELD BOOK: EFB SHEET 2 OF 4

MAP OF TOPOGRAPHIC SURVEY



LONGITUDE
 SURVEYORS

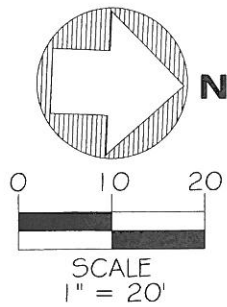
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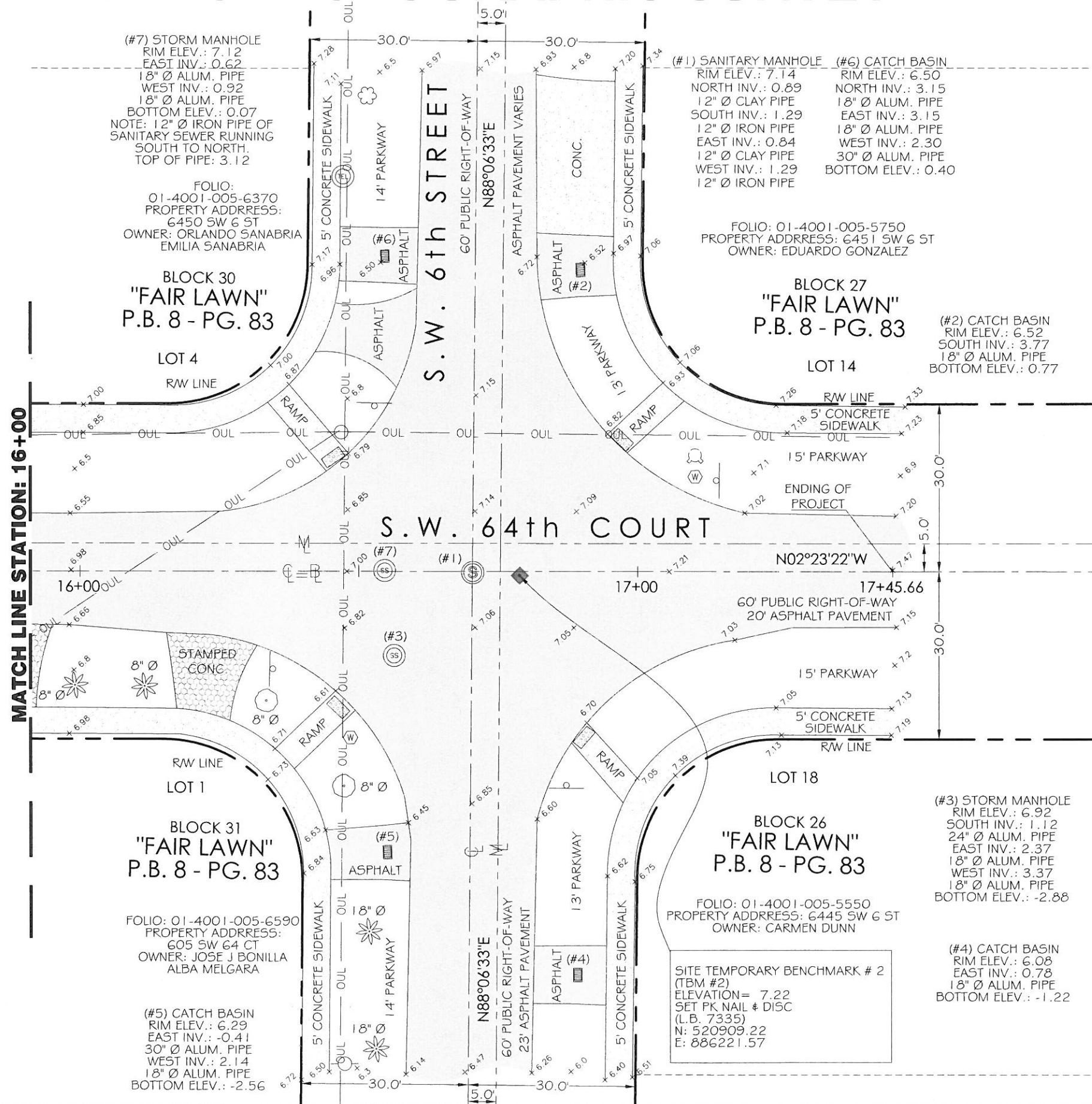
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 SHEET 3 OF 4

LEGEND					
	= WARNING PAD		= MONUMENT LINE		= CLEAN OUT
	= CONCRETE		= OVERHEAD WIRE		= SANITARY SEWER MANHOLE
	= RECORDED VALUE		= WATER VALVE		= STORM DRAINAGE MANHOLE
	= MEASURED VALUE		= WATER METER		= UNKNOWN MANHOLE
	= CALCULATED		= FIRE HYDRANT		= CONCRETE
	= CENTERLINE		= TEMPORARY SITE BENCHMARK		= ASPHALT
	= PLAT BOOK		= CONCRETE POWER POLE		= SIGN
	= PAGE		= ORNAMENTAL PLANT		= PALM TREE
	= WOOD POWER POLE		= LIGHT POLE		= TELEPHONE MANHOLE
	= GUY ANCHOR		= TREE		
	= IDENTIFICATION		= RIGHT-OF-WAY		
	= CATCH BASIN				
	= RIGHT-OF-WAY				

MAP OF TOPOGRAPHIC SURVEY



LEGEND	
	= BASELINE
	= WARNING PAD
	= TELEPHONE MANHOLE
	= ORNAMENTAL PLANT
	= RIGHT-OF-WAY
	= CONCRETE
	= RECORDED VALUE
	= MEASURED VALUE
	= CALCULATED
	= CENTERLINE
	= PLAT BOOK
	= PAGE
	= WOOD POWER POLE
	= GUY ANCHOR
	= IDENTIFICATION
	= CATCH BASIN
	= MONUMENT LINE
	= OVERHEAD WIRE
	= WATER VALVE
	= WATER METER
	= FIRE HYDRANT
	= TEMPORARY SITE BENCHMARK
	= CONCRETE POWER POLE
	= ORNAMENTAL PLANT
	= LIGHT POLE
	= TREE
	= PALM TREE
	= CLEAN OUT
	= SANITARY SEWER MANHOLE
	= STORM DRAINAGE MANHOLE
	= UNKNOWN MANHOLE
	= CONCRETE
	= ASPHALT
	= SIGN



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 SHEET 4 OF 4