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Tomas P. Regalado

Chairman / D2 Commissioner

Marc Sarnoff

Vice Chairman / D1 Commissioner

Wifredo (Willy) Gort

D3 Commissioner

Frank Carollo

D4 Commissioner

Francis Suarez

D5 Commissioner

Keon Hardemon

City Manager

Daniel J. Alfonso

CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM

JEOVANNY RODRIGUEZ, P.E., DIRECTOR

SW 27th Street ROADWAY IMPROVEMENTS From SW 27th Avenue to SW 32nd Avenue B-50204



INDEX OF SHEETS

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S-1 - S-11	SIGNING AND PAVEMENT MARKINGS

MAP OF TOPOGRAPHIC SURVEY

1	SW 27th STREET SURVEY
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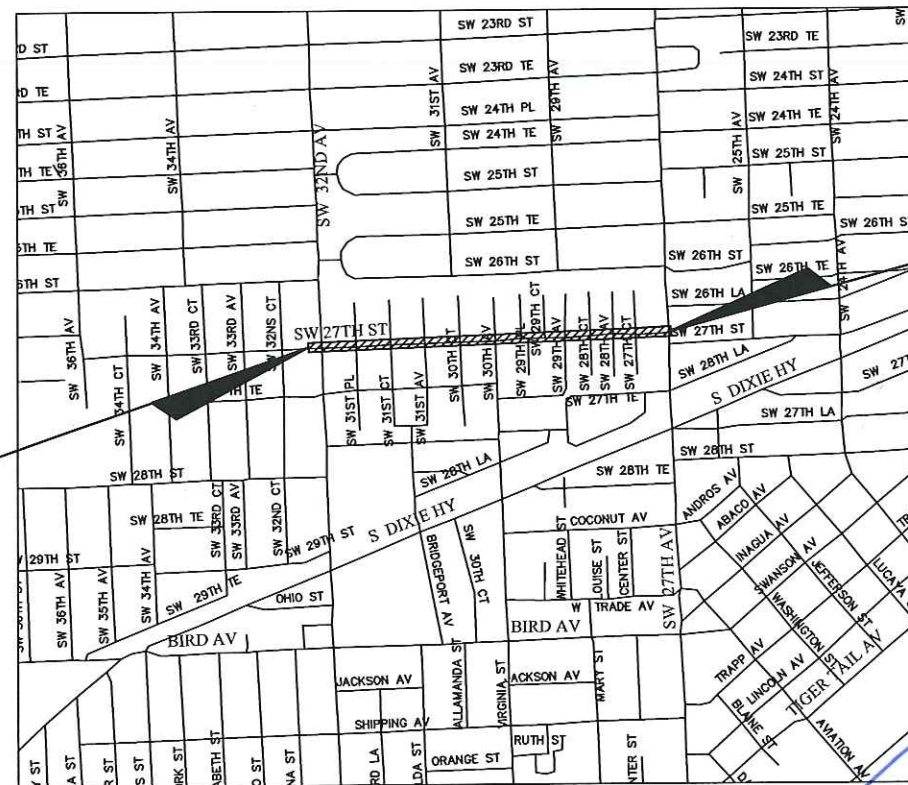
GOVERNING STANDARDS AND SPECIFICATIONS:

Florida Department of Transportation, 2015 Design Standards and revised Index Drawings as appended herein, and 2015 Standard Specifications for Road and Bridge Construction, as amended by Contract Documents.

For Design Standards click on the "Design Standards" link at the following web site:
<http://www.dot.state.fl.us/rddesign/>

For the Standard Specifications for Road and Bridge Construction click on the "Specifications" link at the following web site:
<http://www.dot.state.fl.us/specificationoffice/>

- CITY OF MIAMI ENGINEERING STANDARDS FOR DESIGN AND CONSTRUCTION DATED DECEMBER 2010.



LOCATION MAP
SCALE : 1" = 1500'

PROJECT LENGTH IS BASED ON $\frac{1}{2}$ OF SURVEY

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	2,618.04	0.496
BRIDGES	N/A	N/A
NET LENGTH OF PROJECT	2,618.04	0.496
EXCEPTIONS	N/A	N/A
GROSS LENGTH OF PROJECT	2,618.04	0.496

CITY OF MIAMI PROJECT MANAGER: ORLANDO MISAS
CITY OF MIAMI CONSTRUCTION MANAGER: DAVID ADATO, PE

END PROJECT
STA. 36+30.00

BEGIN PROJECT
STA. 10+12.00

APPROVED

FEB 08 2016

TRAFFIC ENGINEERING DIVISION
MIAMI-DADE PUBLIC WORKS & WASTE MGMT

ROADWAY SHOP DRAWINGS
TO BE SUBMITTED TO:

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

PLANS PREPARED BY:

R.J. Behar & Company, Inc.
Engineers • Planners
6861 S.W. 196 AVENUE, SUITE 302
PEMBROKE PINES, FL 33332
VENDOR IDENTIFICATION F65 095 4070
CERTIFICATE OF AUTHORIZATION NO. 00008365
CONTRACT NO. C-8001

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

ROADWAY PLANS
ENGINEER OF RECORD: JAVIER RODRIGUEZ, PE

P.E. NO.: 48264



SHEET
NO.

1

SUMMARY OF PAY ITEMS

ITEM NO.	ROADWAY & DRAINAGE PAY ITEMS	UNIT	GRAN TOTAL
101-1	MOBILIZATION	LS	1
102-1	MAINTENANCE OF TRAFFIC (ESTIMATED 120 CONSTRUCTION DAYS)	LS	1
104-18	INLET PROTECTION SYSTEM	EA	16
110-1-1	CLEARING AND GRUBBING	AC	1.31
160-4	TYPE B STABILIZATION (LBR-40) (12")	SY	4
210-11	REWORKING LIMEROCK BASE	SY	621
285-706	OPTIONAL BASE GROUP 06 (8" LIMEROCK BASE OPTION)	SY	42
327-70-16	MILLING EXISTING ASPHALT (1/2" AVG. DEPTH)	SY	8,514
331-2-1	TYPE S-I ASPHALTIC CONCRETE	TN	3.8
331-2-3	TYPE S-III ASPHALTIC CONCRETE	TN	235
425-1-541	CATCH BASIN, TYPE D, <10'	EA	3
425-2-41	MANHOLE, TYPE D-4	EA	3
430-714-115	PIPE CULVER (OPT MATL) (ROUND) (15" SD)	LF	89
430-714-118	PIPE CULVER (OPT MATL) (ROUND) (18" SD)	LF	89
425-5	MANHOLE, ADJUST (STORM)	EA	4
425-5-1	MANHOLE, ADJUST, UTILITIES (SEWER)	EA	14
425-6	VALVE BOXES, ADJUST (WATER)	EA	20
	VALVE BOXES, ADJUST (SEWER)	EA	1
443-70-3	FRENCH DRAIN, 18"	LF	160
522-1	CONCRETE SIDEWALK (4")	SY	573
522-2	CONCRETE SIDEWALK (6")	SY	77
527-2	DETECTABLE WARNING SURFACE, YELLOW	SF	512
570-1-2	PERFORMANCE TURF, SOD	SY	4,860
580-1-1	LANDSCAPE COMPLETE, SMALL PLANTS, SILVER BUTTONWOOD	EA	2
710-11-123	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 12"	LF	1,483
710-11-125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 24"	LF	412
710-11-201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	0.13
1080-11-101	WATER METER BOX, ADJUST	EA	7
35-86-45	SWALE TRENCH, INCLUDES EXCAVATION AND REGRADING	SF	7580

SUMMARY OF PAY ITEMS

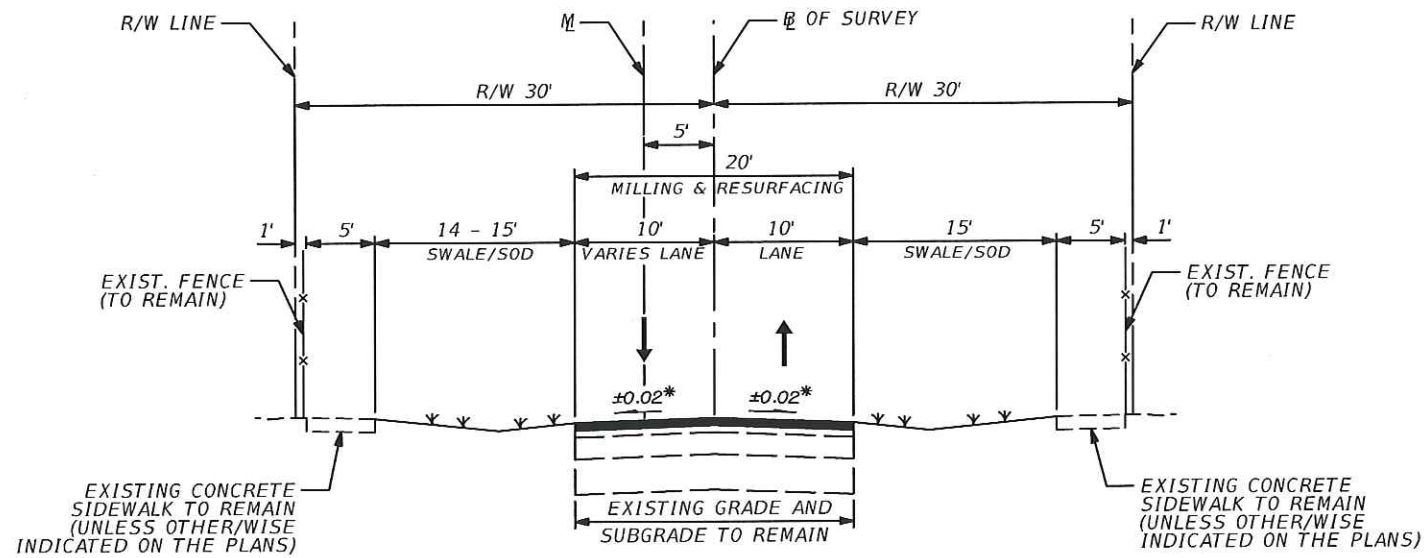
ITEM NO.	SIGNING & MARKING ITEMS	UNIT	GRAN TOTAL
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	20
660-2-101	LOOP ASSEMBLY, F&I, 6' X 30'	AS	1
700-1-11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	26
700-1-50	SINGLE POST SIGN, RELOCATE	AS	15
700-1-60	SINGLE POST SIGN, REMOVE	AS	2
700-36-01	SINGLE PANEL, REMOVE, UP TO 12 SF	EA	13
706-3	RETRO-REFLECTIVE PAVEMENT MARKER	EA	32
711-11-123	THERMOPLASTIC, WHITE, SOLID, 12"	LF	1,483
711-11-124	THERMOPLASTIC, WHITE, SOLID, 18"	LF	69
711-11-125	THERMOPLASTIC, WHITE, SOLID, 24"	LF	412
711-11-160	THERMOPLASTIC, PAVEMENT MESSAGE. (SCHOOL)	EA	1
711-15-101	THERMOPLASTIC, STD-OPEN GRADED ASPHALT SURFACE, WHITE, SOLID, 6"	GM	0.11
711-15-201	THERMOPLASTIC, STD-OPEN GRADED ASPHALT SURFACE, YELLOW, SOLID, 6"	GM	0.13

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.
- 110-1-1 INCLUDES THE COST OF SAW CUTTING EXISTING PAVEMENT. INCLUDES THE COST OF TRIMMING HEDGES (SEE PLANS FOR LOCATION), CACTUS REMOVAL AT APPROXIMATELY STA. 27+22.00 (RT) AND TREE STUMP REMOVAL AT APPROXIMATELY STA. 32+43.00 (LT). IT ALSO THE REMOVAL OF CONCRETE AND ASPHALT AREAS TO BE REPLACED WITH SOD.
- 430-* INCLUDES THE COST OF CORE DRILL EXISTING STRUCTURES.
- 522-1 INCLUDES EXCAVATION AND FILL FOR THE CONSTRUCTION OF NEW SIDEWALK. INCLUDES COST OF & 522-2 SAW CUTTING, AND THE REMOVAL AND DISPOSAL OF EXISTING SIDEWALK. IT ALSO INCLUDES THE COST OF THE INSTALLATION OF ROOT BARRIERS INDICATED IN THE PLANS.
- 570-1-2 INCLUDES WATER AND FERTILIZER AS PER FDOT SPEC 570.
- 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).

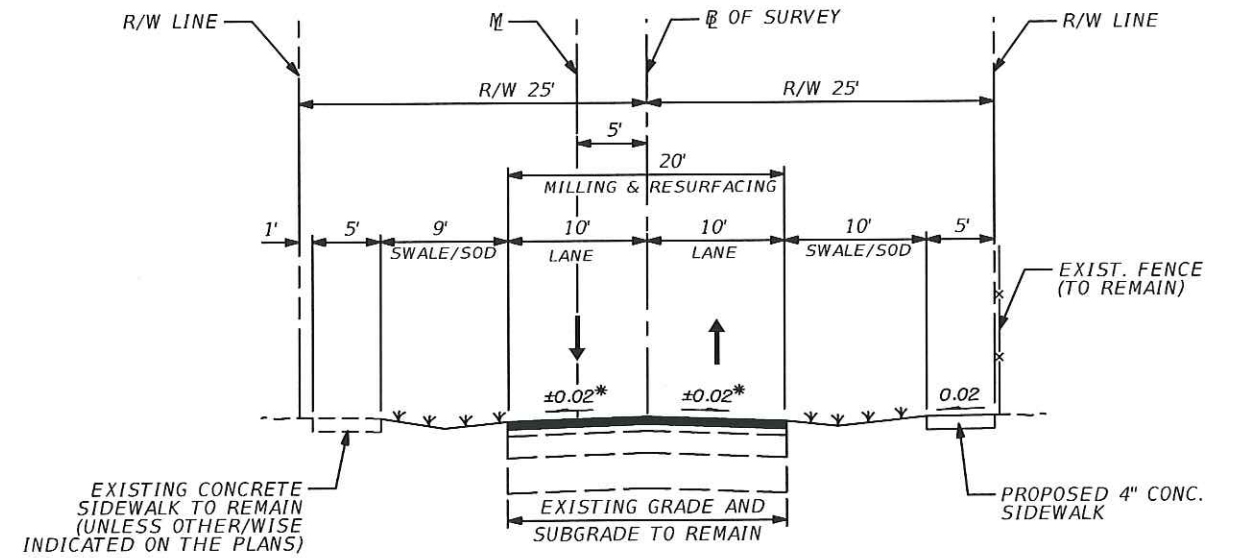
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2/3/16

<p align="center">REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>			DATE	BY	DESCRIPTION							<p>R.J. Behar & Company, Inc. Engineers • Planners 6861 S.W. 196 AVENUE, SUITE 302 PEMBROKE PINES, FL 33332 JAVIER RODRIGUEZ, P.E. LICENSE NO. 48264 CERTIFICATE OF AUTHORIZATION NO. 00008365</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 align="center">CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM</p> <table border="1"> <thead> <tr> <th>PROJECT NAME</th> <th>PROJECT No.</th> </tr> </thead> <tbody> <tr> <td>SW 27th St ROADWAY IMPROVEMENT</td> <td>B-50204</td> </tr> </tbody> </table>		PROJECT NAME	PROJECT No.	SW 27th St ROADWAY IMPROVEMENT	B-50204	<p align="center">SUMMARY OF PAY ITEMS</p>	<p align="center">SHEET NO. 2</p>
DATE	BY	DESCRIPTION																			
PROJECT NAME	PROJECT No.																				
SW 27th St ROADWAY IMPROVEMENT	B-50204																				
<p align="center">DATE: 2/3/2016 TIME: 7:54:45 AM FILE: F:\5064_City_of_Miami\roadway\CESSR001.dgn</p>																					



TYPICAL SECTION

SW 27th STREET (STA. 10+12.00 TO STA. 36+30.00)



TYPICAL SECTION

SW 31st COURT (STA. 100+25.38 TO STA. 103+49.39)

* MATCH EXISTING CROSS SLOPE

* MATCH EXISTING CROSS SLOPE

MILLING

MILL EXISTING ASPHALT PAVEMENT (1/2" AVG. DEPTH)

RESURFACING

RESURFACE WITH TYPE S-III ASPHALTIC CONCRETE (1/2" AVG.)

WIDENING (SEE PLANS FOR LOCATIONS)

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

TYPICAL SECTION NOTES:

- 1. WHERE THE EXISTING BASE IS EXPOSED DUE TO MILLING, REWORK WHERE NEEDED, SHAPE AND COMPACT. AT ALL LOCATIONS WHERE THIS OCCURS, APPLY PRIME COAT THE SAME DAY AS THE MILLING OPERATIONS. INCLUDE ALL COST OF REWORKING BASE, SHAPING AND COMPACTING IN THE COST OF MILLING.
- APPROXIMATE STATIONS; STA. 19+00.00 TO 20+00.00

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2/3/16

REVISIONS		DESCRIPTION
DATE	BY	

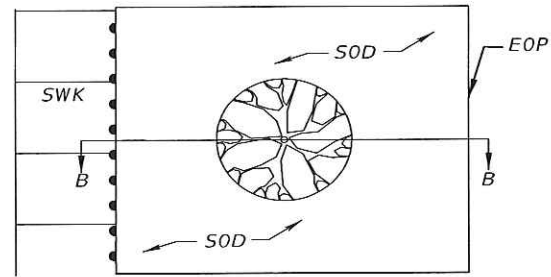
R.J. Behar & Company, Inc.
 Engineers • Planners
 6861 S.W. 196 AVENUE, SUITE 302
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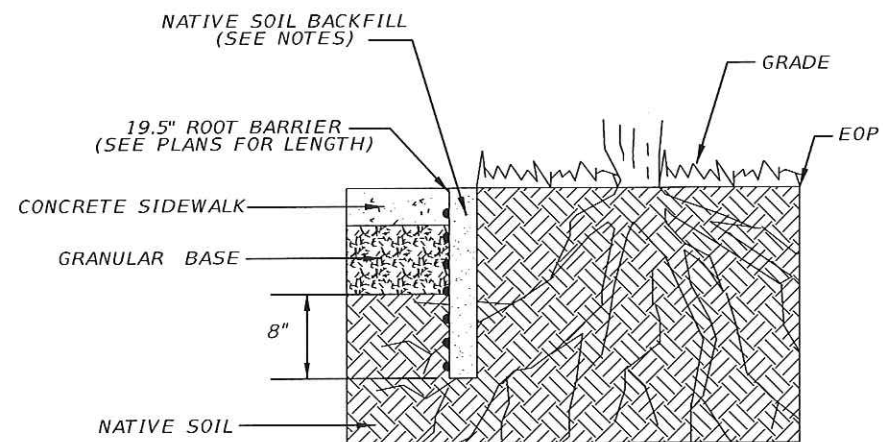
CITY OF MIAMI
 CAPITAL IMPROVEMENTS PROGRAM
 444 S.W. 2ND AVENUE, 8TH FLOOR
 MIAMI, FLORIDA 33130
 (305) 416-1213 FAX (305) 416-1253

CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM	
PROJECT NAME	PROJECT No.
SW 27th St ROADWAY IMPROVEMENT	B-50204

TYPICAL SECTION
3



PLAN



B - B

- 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 TRENCH WALLS WITH LIQUID TRIFLURALIN. MIX OR FILL TRENCH WITH SAND OR GRAVEL.
- 4.- REPORT ALL DISCREPANCIES TO CONSULTANT PRIOR TO INSTALLATION.
- 5.- INCLUDE ALL COST ON RELATED BID ITEM FOR SIDEWALK.

ROOT CONTROL DETAIL

N.T.S.

[Handwritten Signature]
2/3/14

REVISIONS		
DATE	BY	DESCRIPTION

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Engineers • Planners
6861 S.W. 196 AVENUE, SUITE 302
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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 27th St ROADWAY IMPROVEMENT	B-50204

TYPICAL SECTION DETAILS	

SHEET NO.
4

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. FOR ADDITIONAL INFORMATION IN REGARDS TO THE GROVE STATION TOWER CONTACT:
COASTAL SYSTEM INTERNATIONAL, INC AT 305-669-6258 AND ORTEGA JUNEAU CONSTRUCTION COMPANY AT 305-438-7666
22. EXISTING DRAINAGE SYSTEM TO REMAIN SHALL BE CLEANED AND DESTILED.

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. 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.

[Handwritten Signature]
2/3/16

REVISIONS			R.J. Behar & Company, Inc. Engineers • Planners 6861 S.W. 196 AVENUE, SUITE 302 PEMBROKE PINES, FL 33332 JAVIER RODRIGUEZ, P.E. LICENSE NO. 48264 CERTIFICATE OF AUTHORIZATION NO. 00008365	 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. 5
DATE	BY	DESCRIPTION			PROJECT NAME	PROJECT No.		
					SW 27th St ROADWAY IMPROVEMENT	B-50204		

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 08-14-2015.

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.

UTILITY OWNERS:

COMCAST CABLE	(954) 447-8405
MIAMI DADE COUNTY - PUBLIC WORKS AND TRAFFIC	(305) 412-0891 X201
FLORIDA POWER AND LIGHT - DISTRIBUTION	(1800) 868-9554
FLORIDA POWER AND LIGHT - TRANSMISSION	(305) 228-5290
MIAMI-DADE ENTERPRISE TECHNOLOGY SERVICE	(305) 596-8941
MIAMI DADE WATER & SEWER	(786) 268-5320
AT&T	(954) 723-2540



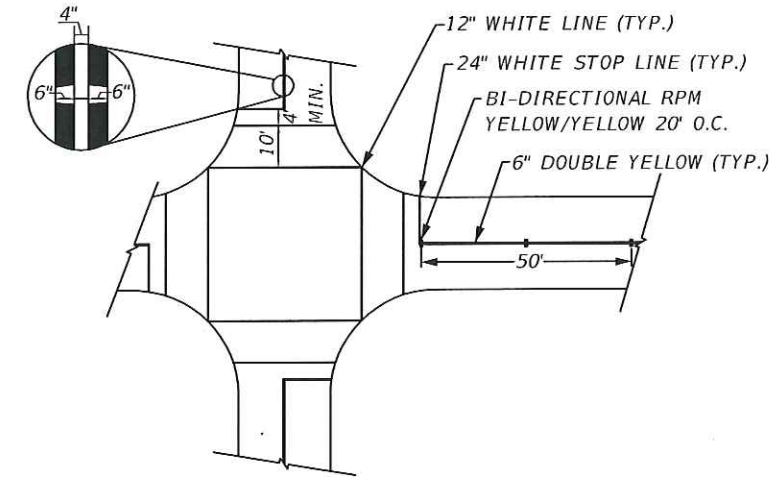
SUNSHINE DESIGN TICKET NO. 072501613

TREE REQUIREMENTS:

1. ALL EXSITING TREES ARE TO REMAIN UNLESS OTHERWISE NOTED ON THE PLANS.
2. AT INTERSECTIONS OF DRIVEWAYS WITH STREETS, VISIBILITY TRIANGLES MUST BE MAINTAINED TO INCLUDE AN AREA BOUNDED BY THE FIRST TEN (10) FEET ALONG THE INTERSECTING EDGES OF THE BASE BUILDING LINE AND THE DRIVEWAY, AND A LINE RUNNING ACROSS THE LOT AND CONNECTING THE ENDS OF SUCH TEN-FOOT LINES.
3. TREES NEEDS TO BE CONOCARPUS ERECTUS VAR. SERICEUS (SILVER BUTTONWOOD)
4. TREES SHALL HAVE A MINIMUM 4 FOOT CLEAR OF TRUNK, FLORIDA GRADE # 1 OR BETTER, MINIMUM 2" DIAMETER AT BREST HEIGHT (DBH), AND A MINIMUM 8 FEET IN HEIGHT, AND MINIMUM 15 GALLON CONTAINER.

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 (MUTCD) FOR STREET AND HIGHWAYS AND 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.



STOP BARS, CROSS-WALKS AND DOUBLE CENTER LINE DETAILS
N.T.S.

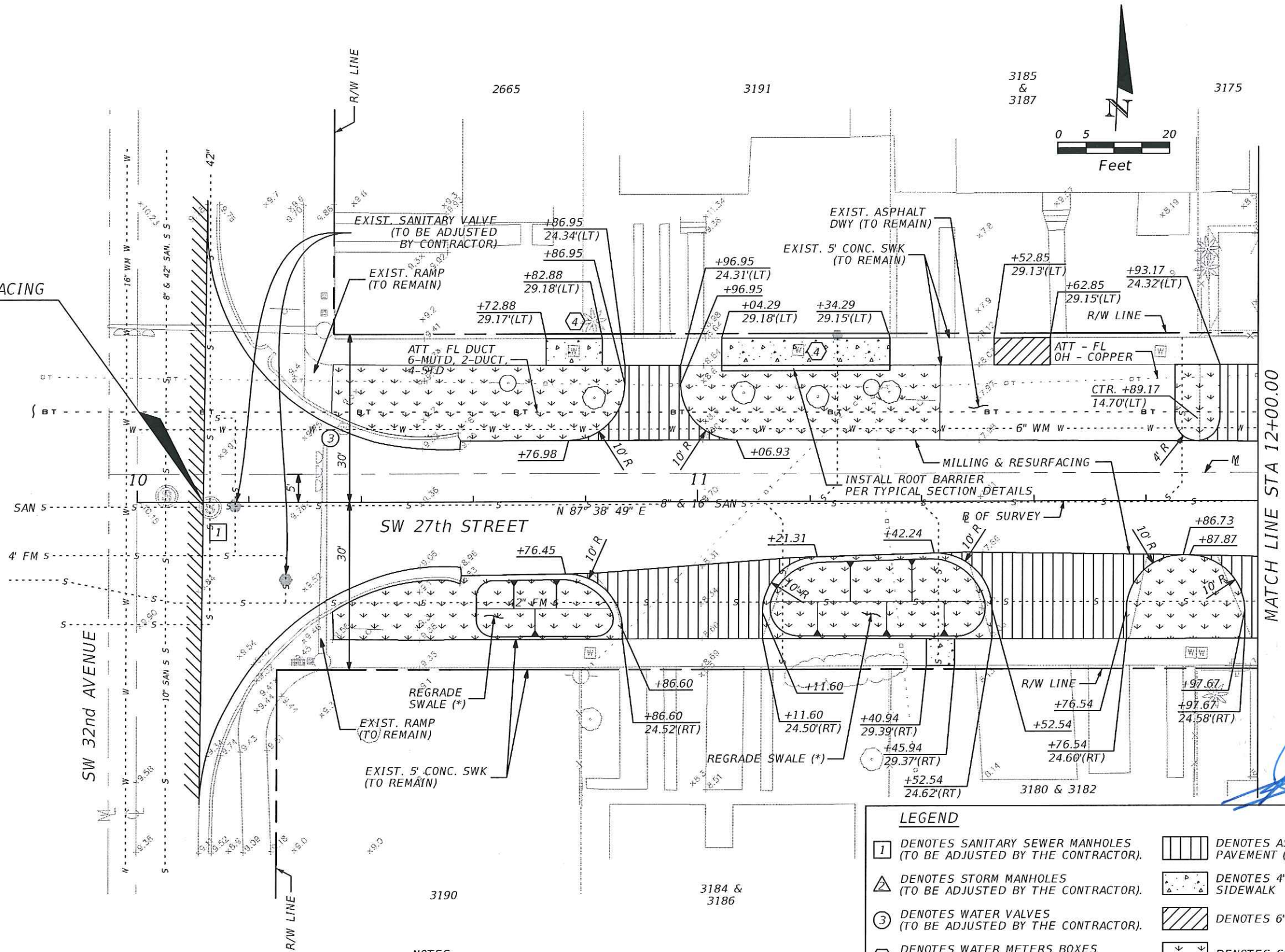
MIAMI-DADE TRANSIT:

1. THE CONTRACTOR SHALL NOTIFY MIAMI-DADE TRANSIT (MDT), FROILAN BAEZ (FBAEZ@MIAMIDADE.GOV) FROM THE OFFICE OF RIGHT OF WAY, UTILITIES & PROPERTY MANAGEMENT, AT LEAST 48 HOURS PRIOR TO THE INITIATION OF ANY WORK WITHIN 30 FEET OF A MDT BUSWAY, METRORAIL, OR METROMOVER FACILITY.
2. MDT BUS OPERATIONS MAINTAINS A 24 HOURS PER DAY/365 DAYS PER YEAR BUS TRAFFIC CONTROL CENTER AT 305-375-2925 FOR EMERGENCY SITUATION NOTIFICATION.
3. THE MDT BUSWAY IS OPERATIONAL 24 HOURS PER DAY/365 DAYS PER YEAR SERVING MDT BUSES, MDT AUTHORIZED VEHICLES, FIRE RESCUE, AND POLICE.
4. AS PER MDT PERMIT, NO CRANE OR AERIAL WORK (BOOM TRUCKS, CHERRY PICKERS, SCISSOR LIFTS, CRANES, ETC.) SHALL BE PERFORMED WITHIN A 30 FEET ZONE EXTENDING OUTWARD FROM THE OUTER MOST EDGES OF THE MDT'S METRORAIL/METROMOVER GUIDEWAY UNLESS A MDT SPOTTER IS PRESENT. THE COST FOR A SPOTTER, (METRORAIL IS \$60 AND METROMOVER IS \$71) PER HOUR INCLUDING ONE HOUR TRAVEL TIME, 30 MINUTES, TO AND FROM THE PROJECT SITE, TO BE INCLUDED IN THE PAY ITEM(S) OF WORK FOR WHICH THE SPOTTER WILL BE REQUIRED.
5. THE CONTRACTOR SHALL TAKE MDT SAFETY TRAINING IF DEEMED NECESSARY PRIOR TO PERFORMING ANY WORK UNDERNEATH A MDT'S METRORAIL OR METROMOVER GUIDEWAY.

[Handwritten signature]
2/19/16

<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		DATE	BY	DESCRIPTION				<p>R.J. Behar & Company, Inc. Engineers • Planners 6861 S.W. 196 AVENUE, SUITE 302 PEMBROKE PINES, FL 33332 JAVIER RODRIGUEZ, P.E. LICENSE NO. 48264 CERTIFICATE OF AUTHORIZATION NO. 00008365</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"> <tr> <th>PROJECT NAME</th> <th>PROJECT No.</th> </tr> <tr> <td>SW 27th St ROADWAY IMPROVEMENT</td> <td>B-50204</td> </tr> </table>	PROJECT NAME	PROJECT No.	SW 27th St ROADWAY IMPROVEMENT	B-50204	<p>GENERAL NOTES</p>	<p>SHEET NO. 6</p>
DATE	BY	DESCRIPTION														
PROJECT NAME	PROJECT No.															
SW 27th St ROADWAY IMPROVEMENT	B-50204															

BEGIN PROJECT
 BEGIN MILLING AND RESURFACING
 STA 10+12.00
 (MATCH EXIST.)



MATCH LINE STA 12+00.00

[Handwritten signature]
 7/12/12

NOTES:

1. (*) SEE CITY OF MIAMI STANDARD INDEX NO. 35-86-45.
2. (**) SEE CITY OF MIAMI STANDARD INDEX NO. 35-85-40.

LEGEND

- | | | | |
|---|--|----------------------------|-------------------------------|
| 1 | DENOTES SANITARY SEWER MANHOLES (TO BE ADJUSTED BY THE CONTRACTOR). | [Hatched pattern] | DENOTES ASPHALT PAVEMENT (**) |
| 2 | DENOTES STORM MANHOLES (TO BE ADJUSTED BY THE CONTRACTOR). | [Dotted pattern] | DENOTES 4" CONCRETE SIDEWALK |
| 3 | DENOTES WATER VALVES (TO BE ADJUSTED BY THE CONTRACTOR). | [Diagonal hatched pattern] | DENOTES 6" CONCRETE |
| 4 | DENOTES WATER METERS BOXES (TO BE ADJUSTED/REPLACED BY THE CONTRACTOR). WATER METER BOXES TO BE PROVIDED BY MD-WASD. | [Downward arrows] | DENOTES SOD |

REVISIONS	
DATE	DESCRIPTION

R.J. Behar & Company, Inc.
 Engineers • Planners
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 JAVIER RODRIGUEZ, P.E. LICENSE NO. 48264
 CERTIFICATE OF AUTHORIZATION NO. 00008365



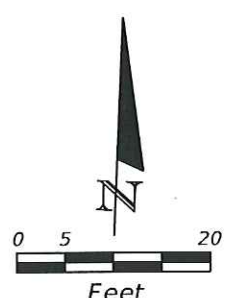
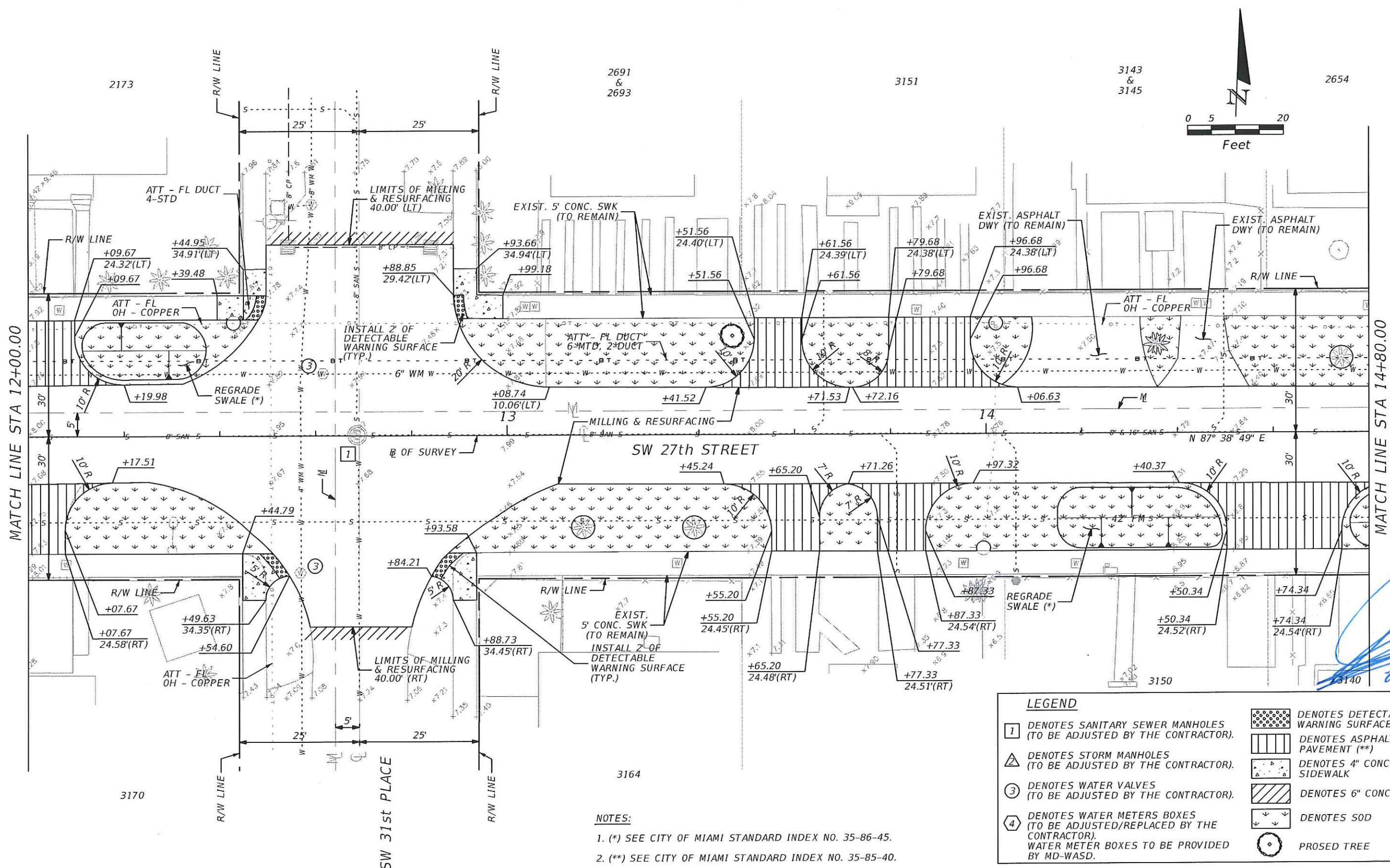
CITY OF MIAMI
 CAPITAL IMPROVEMENTS PROGRAM
 444 S.W. 2ND AVENUE, 8TH FLOOR
 MIAMI, FLORIDA 33130
 (305) 416-1213 FAX (305) 416-1253

CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM	
PROJECT NAME	PROJECT No.
SW 27th St ROADWAY IMPROVEMENT	B-50204

ROADWAY PLAN

SHEET NO.

7



LEGEND

1	DENOTES SANITARY SEWER MANHOLES (TO BE ADJUSTED BY THE CONTRACTOR).	[Pattern]	DENOTES DETECTABLE WARNING SURFACE
2	DENOTES STORM MANHOLES (TO BE ADJUSTED BY THE CONTRACTOR).	[Pattern]	DENOTES ASPHALT PAVEMENT (**)
3	DENOTES WATER VALVES (TO BE ADJUSTED BY THE CONTRACTOR).	[Pattern]	DENOTES 4" CONCRETE SIDEWALK
4	DENOTES WATER METERS BOXES (TO BE ADJUSTED/REPLACED BY THE CONTRACTOR). WATER METER BOXES TO BE PROVIDED BY MD-WASD.	[Pattern]	DENOTES 6" CONCRETE
		[Pattern]	DENOTES SOD
		[Symbol]	PROSED TREE

NOTES:

- (*) SEE CITY OF MIAMI STANDARD INDEX NO. 35-86-45.
- (**) SEE CITY OF MIAMI STANDARD INDEX NO. 35-85-40.

REVISIONS	
DATE	DESCRIPTION

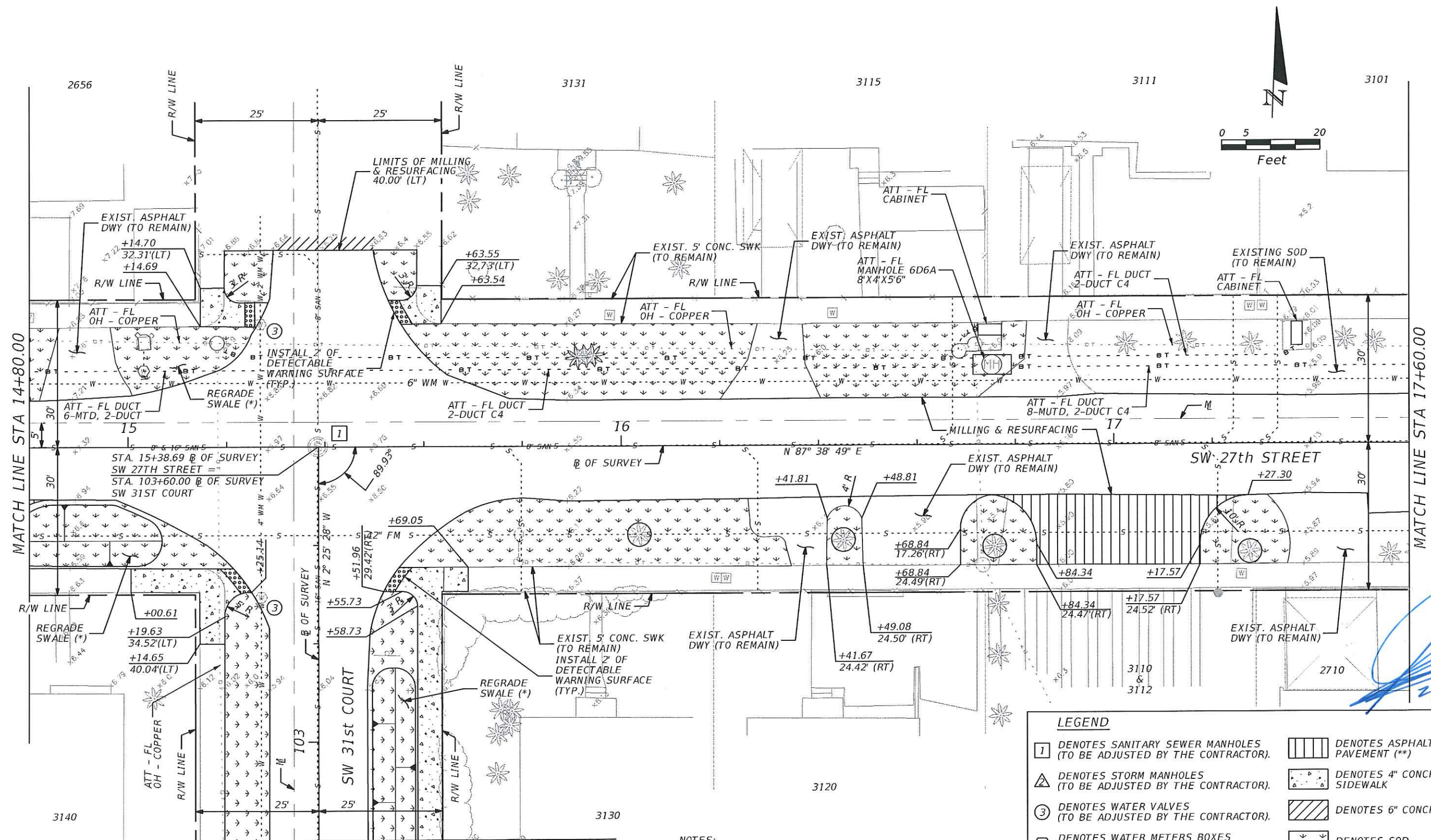
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 PEMBROKE PINES, FL 33332
 JAVIER RODRIGUEZ, P.E. LICENSE NO. 48264
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 **CITY OF MIAMI**
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 MIAMI, FLORIDA 33130
 (305) 416-1213 FAX (305) 416-1253

CITY OF MIAMI
 CAPITAL IMPROVEMENTS PROGRAM
 PROJECT NAME: SW 27th St ROADWAY IMPROVEMENT
 PROJECT No.: B-50204

ROADWAY PLAN

SHEET NO. 8



MATCH LINE STA 14+80.00

MATCH LINE STA 17+60.00

MATCH LINE STA 102+80.00

2/3/16

LEGEND	
1	DENOTES SANITARY SEWER MANHOLES (TO BE ADJUSTED BY THE CONTRACTOR).
2	DENOTES STORM MANHOLES (TO BE ADJUSTED BY THE CONTRACTOR).
3	DENOTES WATER VALVES (TO BE ADJUSTED BY THE CONTRACTOR).
4	DENOTES WATER METERS BOXES (TO BE ADJUSTED/REPLACED BY THE CONTRACTOR). WATER METER BOXES TO BE PROVIDED BY MD-WASD.
[Hatched Box]	DENOTES ASPHALT PAVEMENT (**)
[Dotted Box]	DENOTES 4" CONCRETE SIDEWALK
[Diagonal Lines Box]	DENOTES 6" CONCRETE
[Downward Arrows Box]	DENOTES SOD
[Star Pattern Box]	DENOTES DETECTABLE WARNING SURFACE

NOTES:
 1. (*) SEE CITY OF MIAMI STANDARD INDEX NO. 35-86-45.
 2. (**) SEE CITY OF MIAMI STANDARD INDEX NO. 35-85-40.

REVISIONS	
DATE	DESCRIPTION

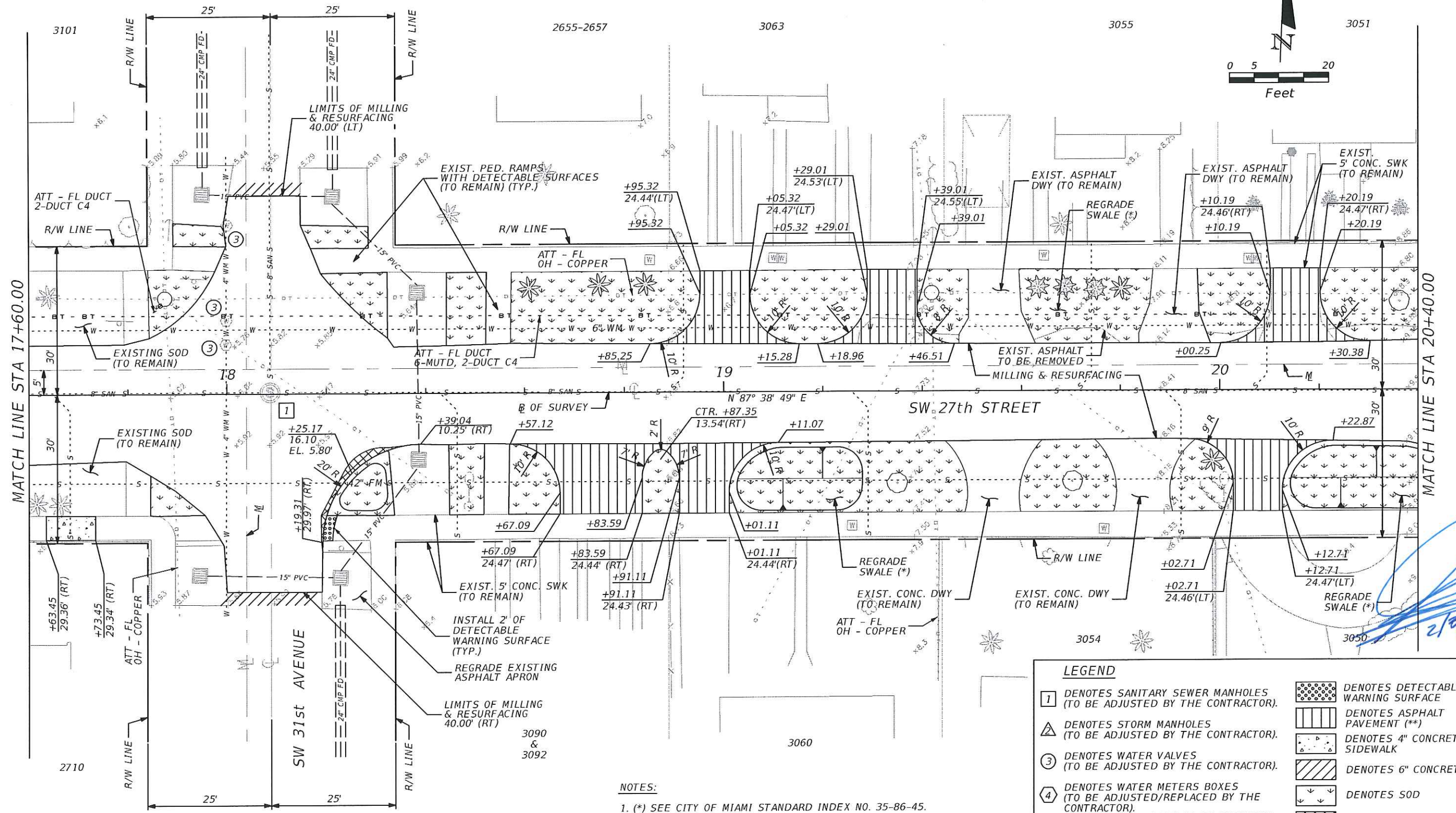
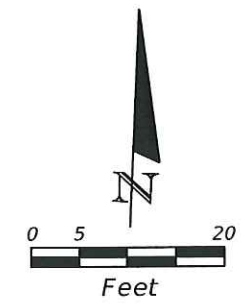
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 (305) 416-1213 FAX (305) 416-1253

CITY OF MIAMI
 CAPITAL IMPROVEMENTS PROGRAM
 PROJECT NAME: SW 27th St ROADWAY IMPROVEMENT
 PROJECT No.: B-50204

ROADWAY PLAN

SHEET NO. 9



LEGEND

①	DENOTES SANITARY SEWER MANHOLES (TO BE ADJUSTED BY THE CONTRACTOR).		DENOTES DETECTABLE WARNING SURFACE
△	DENOTES STORM MANHOLES (TO BE ADJUSTED BY THE CONTRACTOR).		DENOTES ASPHALT PAVEMENT (**)
③	DENOTES WATER VALVES (TO BE ADJUSTED BY THE CONTRACTOR).		DENOTES 4" CONCRETE SIDEWALK
④	DENOTES WATER METERS BOXES (TO BE ADJUSTED/REPLACED BY THE CONTRACTOR). WATER METER BOXES TO BE PROVIDED BY MD-WASD.		DENOTES 6" CONCRETE
			DENOTES SOD
			DENOTES WIDENING

NOTES:
 1. (*) SEE CITY OF MIAMI STANDARD INDEX NO. 35-86-45.
 2. (**) SEE CITY OF MIAMI STANDARD INDEX NO. 35-85-40.

REVISIONS		
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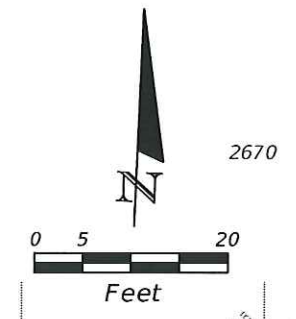
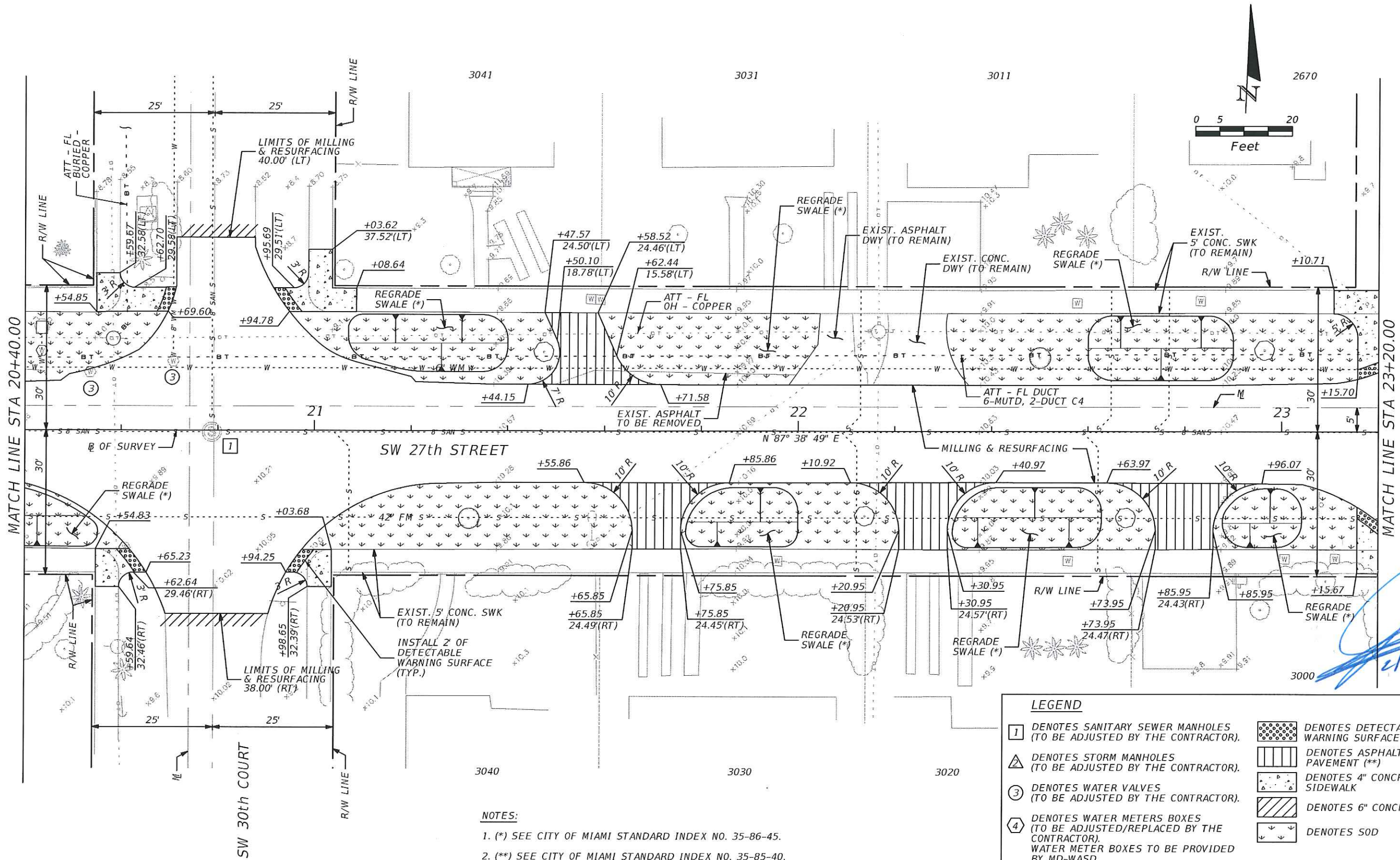


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 444 S.W. 2ND AVENUE, 8TH FLOOR
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CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM	
PROJECT NAME	PROJECT No.
SW 27th St ROADWAY IMPROVEMENT	B-50204

ROADWAY PLAN

SHEET NO. 10



NOTES:
 1. (*) SEE CITY OF MIAMI STANDARD INDEX NO. 35-86-45.
 2. (**) SEE CITY OF MIAMI STANDARD INDEX NO. 35-85-40.

LEGEND			
1	DENOTES SANITARY SEWER MANHOLES (TO BE ADJUSTED BY THE CONTRACTOR).		DENOTES DETECTABLE WARNING SURFACE
2	DENOTES STORM MANHOLES (TO BE ADJUSTED BY THE CONTRACTOR).		DENOTES ASPHALT PAVEMENT (**)
3	DENOTES WATER VALVES (TO BE ADJUSTED BY THE CONTRACTOR).		DENOTES 4" CONCRETE SIDEWALK
4	DENOTES WATER METERS BOXES (TO BE ADJUSTED/REPLACED BY THE CONTRACTOR). WATER METER BOXES TO BE PROVIDED BY MD-WASD.		DENOTES 6" CONCRETE
			DENOTES SOD

REVISIONS	
DATE	DESCRIPTION

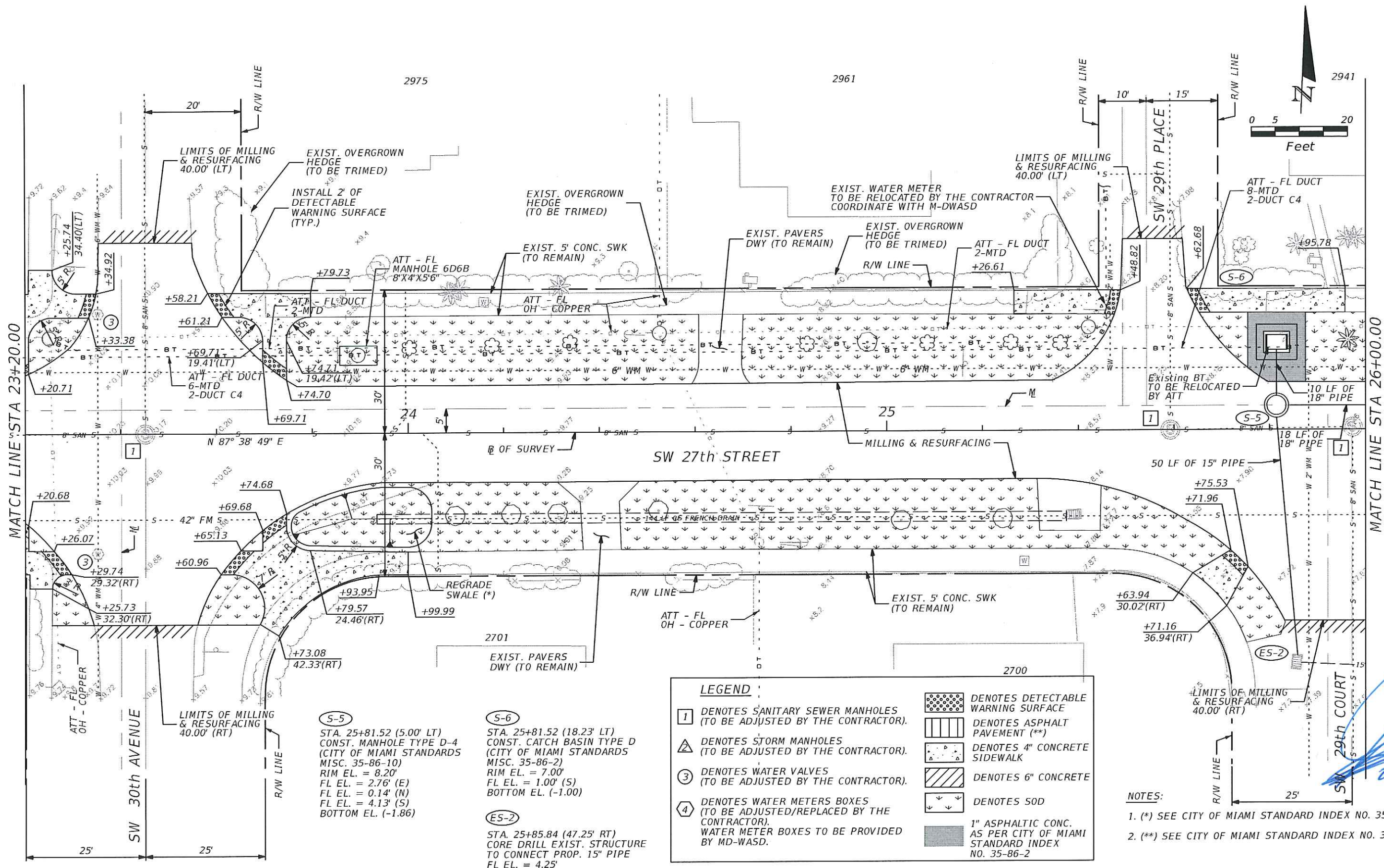
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CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM	
PROJECT NAME	PROJECT No.
SW 27th St ROADWAY IMPROVEMENT	B-50204

ROADWAY PLAN	

SHEET NO.
11



LEGEND

①	DENOTES SANITARY SEWER MANHOLES (TO BE ADJUSTED BY THE CONTRACTOR).	[Pattern]	DENOTES DETECTABLE WARNING SURFACE
⚠	DENOTES STORM MANHOLES (TO BE ADJUSTED BY THE CONTRACTOR).	[Pattern]	DENOTES ASPHALT PAVEMENT (**)
③	DENOTES WATER VALVES (TO BE ADJUSTED BY THE CONTRACTOR).	[Pattern]	DENOTES 4" CONCRETE SIDEWALK
④	DENOTES WATER METERS BOXES (TO BE ADJUSTED/REPLACED BY THE CONTRACTOR). WATER METER BOXES TO BE PROVIDED BY MD-WASD.	[Pattern]	DENOTES 6" CONCRETE
		[Pattern]	DENOTES SOD
		[Pattern]	1" ASPHALTIC CONC. AS PER CITY OF MIAMI STANDARD INDEX NO. 35-86-2

NOTES:

- (*) SEE CITY OF MIAMI STANDARD INDEX NO. 35-86-45.
- (**) SEE CITY OF MIAMI STANDARD INDEX NO. 35-85-40.

REVISIONS		
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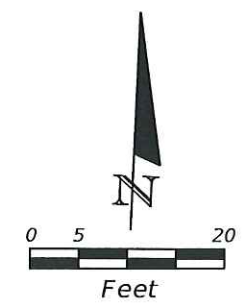
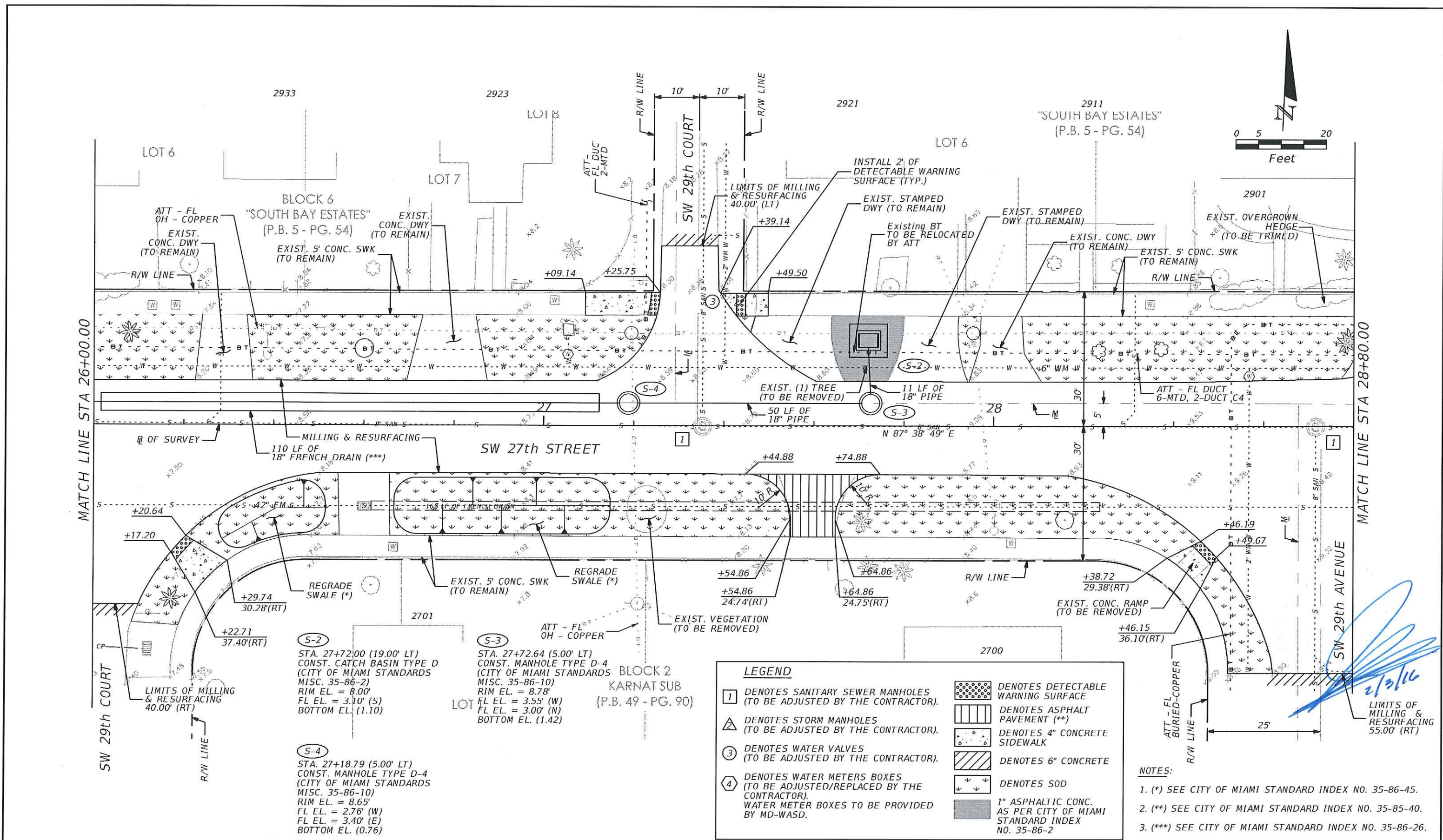


CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM	
PROJECT NAME	PROJECT No.
SW 27th St ROADWAY IMPROVEMENT	B-50204

ROADWAY PLAN

DATE: 2/3/2016 8:22:23 AM F:\V5064_City_of_Miami\roadway\PLANRD06.dgn

SHEET NO. 12



MATCH LINE STA 26+00.00

MATCH LINE STA 28+80.00

SW 29th AVENUE

SW 29th COURT

LEGEND

1	DENOTES SANITARY SEWER MANHOLES (TO BE ADJUSTED BY THE CONTRACTOR).	[Pattern]	DENOTES DETECTABLE WARNING SURFACE
2	DENOTES STORM MANHOLES (TO BE ADJUSTED BY THE CONTRACTOR).	[Pattern]	DENOTES ASPHALT PAVEMENT (**)
3	DENOTES WATER VALVES (TO BE ADJUSTED BY THE CONTRACTOR).	[Pattern]	DENOTES 4" CONCRETE SIDEWALK
4	DENOTES WATER METERS BOXES (TO BE ADJUSTED/REPLACED BY THE CONTRACTOR). WATER METER BOXES TO BE PROVIDED BY MD-WASD.	[Pattern]	DENOTES 6" CONCRETE
		[Pattern]	DENOTES SOD
		[Pattern]	1" ASPHALTIC CONC. AS PER CITY OF MIAMI STANDARD INDEX NO. 35-86-2

- NOTES:**
- (*) SEE CITY OF MIAMI STANDARD INDEX NO. 35-86-45.
 - (**) SEE CITY OF MIAMI STANDARD INDEX NO. 35-85-40.
 - (***) SEE CITY OF MIAMI STANDARD INDEX NO. 35-86-26.

REVISIONS	
DATE	DESCRIPTION

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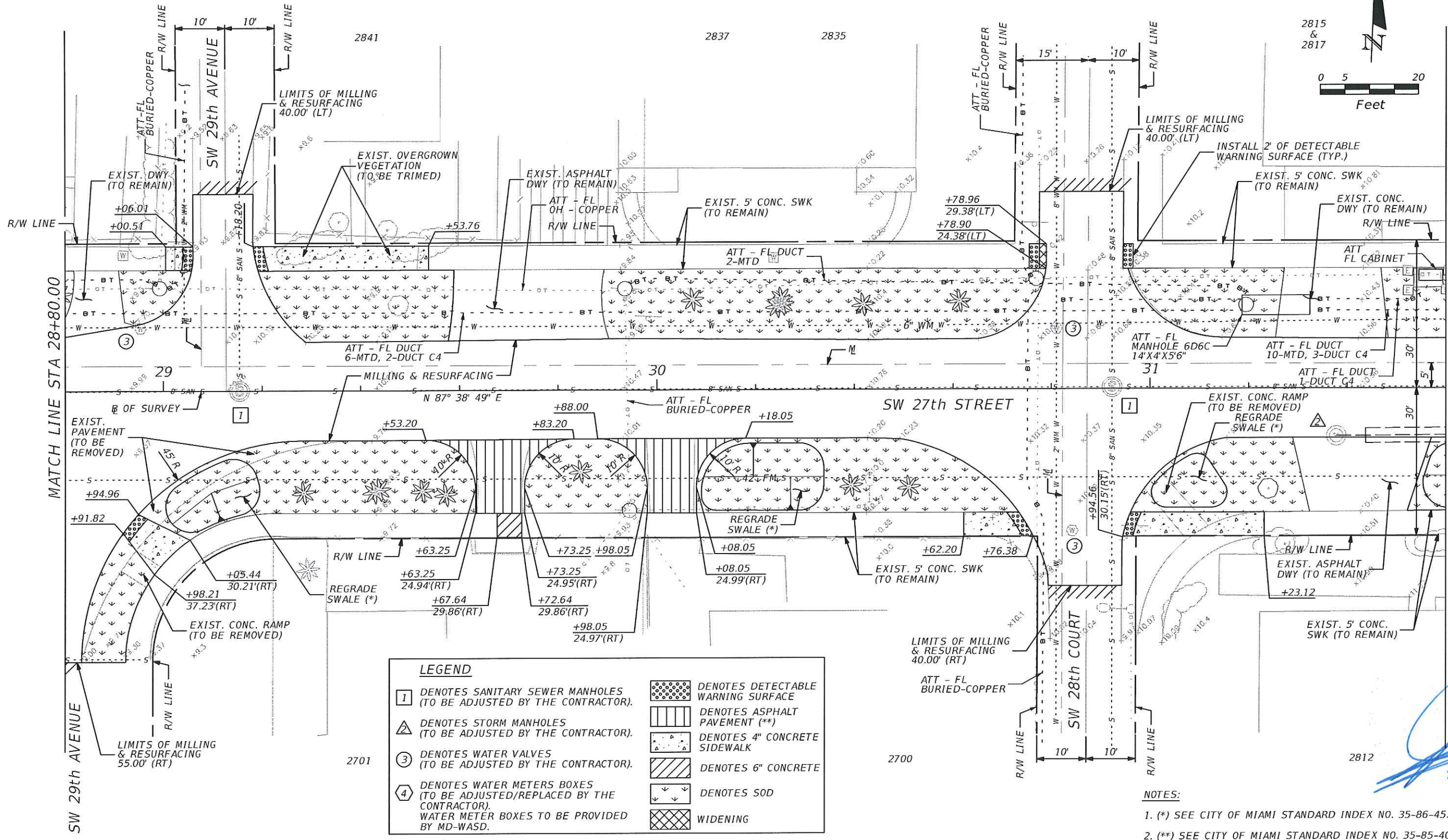
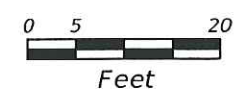
CITY OF MIAMI
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 444 S.W. 2ND AVENUE, 8TH FLOOR
 MIAMI, FLORIDA 33130
 (305) 416-1213 FAX (305) 416-1253

CITY OF MIAMI
 CAPITAL IMPROVEMENTS PROGRAM
 PROJECT NAME: SW 27th St ROADWAY IMPROVEMENT
 PROJECT No.: B-50204

ROADWAY PLAN

SHEET NO.
13

2815
&
2817



LEGEND

①	DENOTES SANITARY SEWER MANHOLES (TO BE ADJUSTED BY THE CONTRACTOR).		DENOTES DETECTABLE WARNING SURFACE
⚠	DENOTES STORM MANHOLES (TO BE ADJUSTED BY THE CONTRACTOR).		DENOTES ASPHALT PAVEMENT (**)
③	DENOTES WATER VALVES (TO BE ADJUSTED BY THE CONTRACTOR).		DENOTES 4" CONCRETE SIDEWALK
④	DENOTES WATER METERS BOXES (TO BE ADJUSTED/REPLACED BY THE CONTRACTOR). WATER METER BOXES TO BE PROVIDED BY MD-WASD.		DENOTES 6" CONCRETE
			DENOTES SOD
			WIDENING

NOTES:
 1. (*) SEE CITY OF MIAMI STANDARD INDEX NO. 35-86-45.
 2. (**) SEE CITY OF MIAMI STANDARD INDEX NO. 35-85-40.

[Handwritten signature]
2/2/16

REVISIONS		
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 MIAMI, FLORIDA 33130
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CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM	
PROJECT NAME	PROJECT No.
SW 27th St ROADWAY IMPROVEMENT	B-50204

ROADWAY PLAN

SHEET NO.
14

S-8

STA. 34+20.00 (18.00' LT)
CONST. CATCH BASIN TYPE D
(CITY OF MIAMI STANDARDS
MISC. 35-86-2)
RIM EL. = 10.50'
FL EL. = 4.67' (SW)
BOTTOM EL. (2.67)

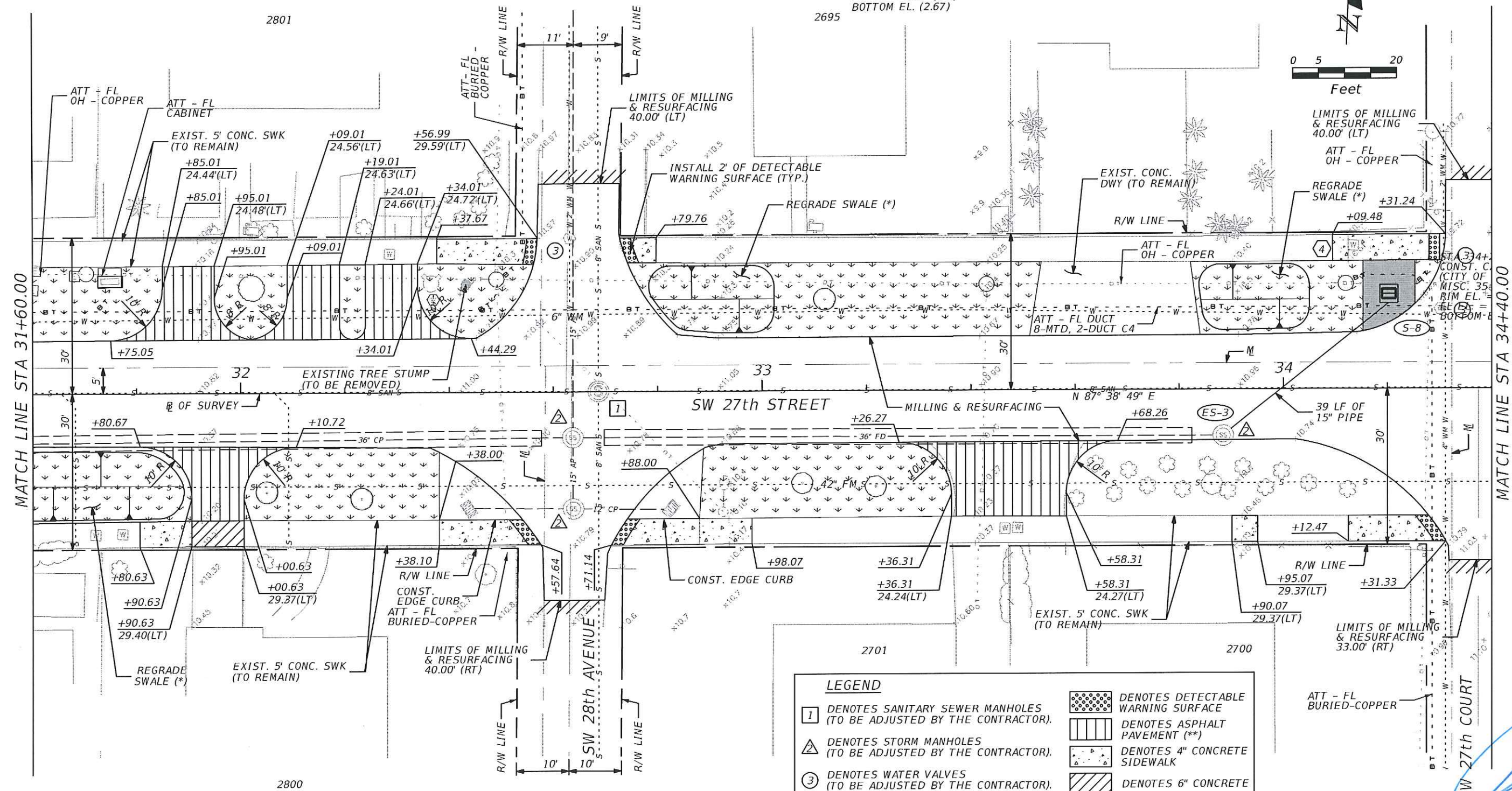
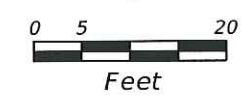
ES-3

STA. 25+85.84 (47.25' RT)
CORE DRILL EXIST. STRUCTURE
TO CONNECT PROP. 15" PIPE
FL EL. = 4.50'

2751

2801

2695



NOTES:

- 1. (*) SEE CITY OF MIAMI STANDARD INDEX NO. 35-86-45.
- 2. (**) SEE CITY OF MIAMI STANDARD INDEX NO. 35-85-40.

LEGEND	
1	DENOTES SANITARY SEWER MANHOLES (TO BE ADJUSTED BY THE CONTRACTOR).
2	DENOTES STORM MANHOLES (TO BE ADJUSTED BY THE CONTRACTOR).
3	DENOTES WATER VALVES (TO BE ADJUSTED BY THE CONTRACTOR).
4	DENOTES WATER METERS BOXES (TO BE ADJUSTED/REPLACED BY THE CONTRACTOR). WATER METER BOXES TO BE PROVIDED BY MD-WASD.
[Pattern]	DENOTES DETECTABLE WARNING SURFACE
[Pattern]	DENOTES ASPHALT PAVEMENT (**)
[Pattern]	DENOTES 4" CONCRETE SIDEWALK
[Pattern]	DENOTES 6" CONCRETE
[Pattern]	DENOTES SOD
[Symbol]	DENOTES PROPOSED TREE

[Handwritten signature]
2/2/16

REVISIONS	
DATE	DESCRIPTION

R.J. Behar & Company, Inc.
Engineers • Planners
6861 S.W. 196 AVENUE, SUITE 302
PEMBROKE PINES, FL 33332
JAVIER RODRIGUEZ, P.E. LICENSE NO. 48264
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

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MIAMI, FLORIDA 33130
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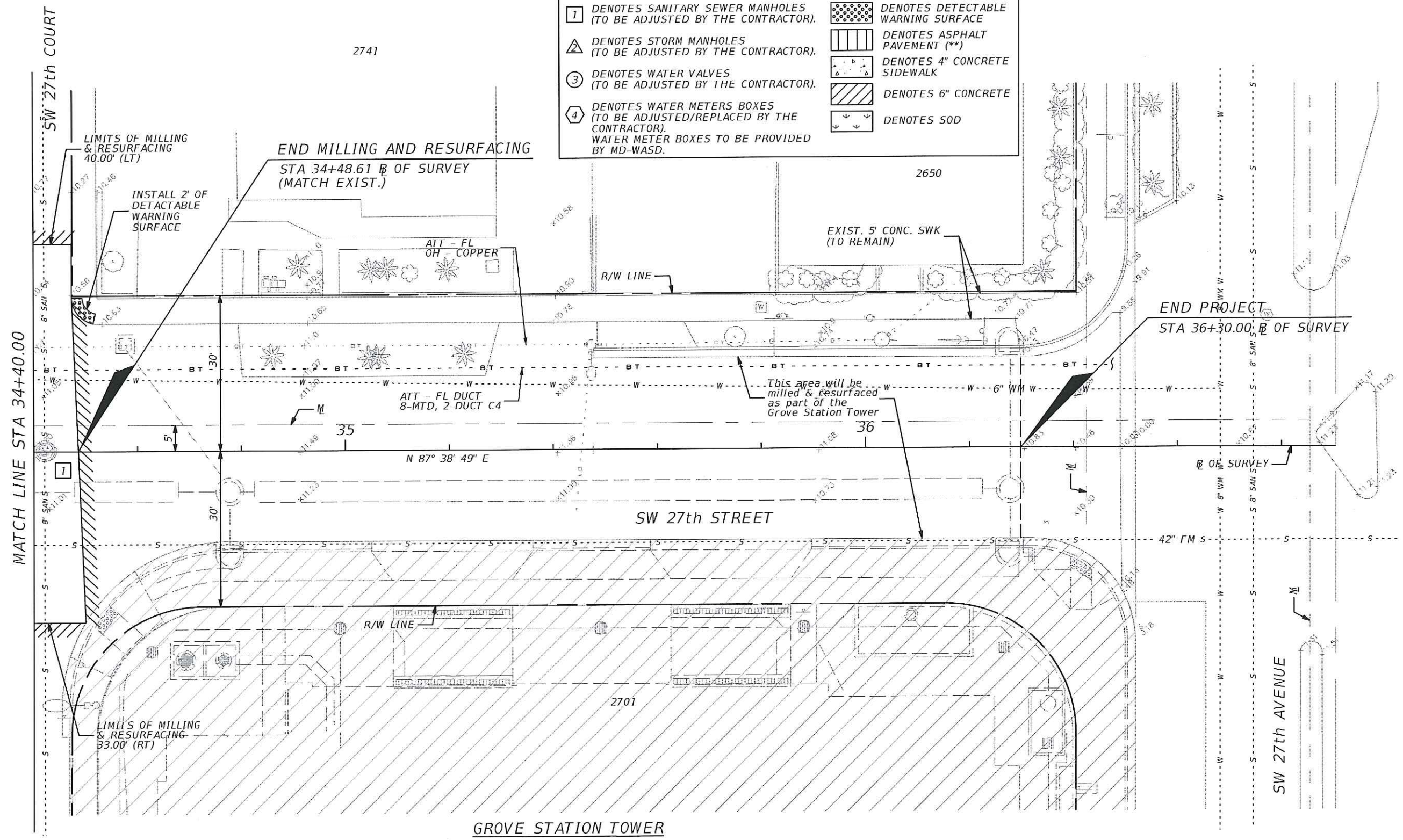
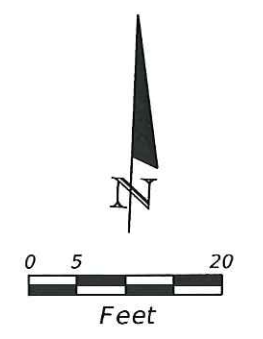
CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM	
PROJECT NAME	PROJECT No.
SW 27th St ROADWAY IMPROVEMENT	B-50204

ROADWAY PLAN

SHEET NO.
15

LEGEND

① DENOTES SANITARY SEWER MANHOLES (TO BE ADJUSTED BY THE CONTRACTOR).	 DENOTES DETECTABLE WARNING SURFACE
⚠ DENOTES STORM MANHOLES (TO BE ADJUSTED BY THE CONTRACTOR).	 DENOTES ASPHALT PAVEMENT (**)
③ DENOTES WATER VALVES (TO BE ADJUSTED BY THE CONTRACTOR).	 DENOTES 4" CONCRETE SIDEWALK
④ DENOTES WATER METERS BOXES (TO BE ADJUSTED/REPLACED BY THE CONTRACTOR). WATER METER BOXES TO BE PROVIDED BY MD-WASD.	 DENOTES 6" CONCRETE
	 DENOTES SOD



- NOTES:**
- (*) SEE CITY OF MIAMI STANDARD INDEX NO. 35-86-45.
 - (**) SEE CITY OF MIAMI STANDARD INDEX NO. 35-85-40.

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2/3/16

REVISIONS		
DATE	BY	DESCRIPTION

R.J. Behar & Company, Inc.
Engineers • Planners
6861 S.W. 196 AVENUE, SUITE 302
PEMBROKE PINES, FL 33332
JAVIER RODRIGUEZ, P.E. LICENSE NO. 48264
CERTIFICATE OF AUTHORIZATION NO. 00008365

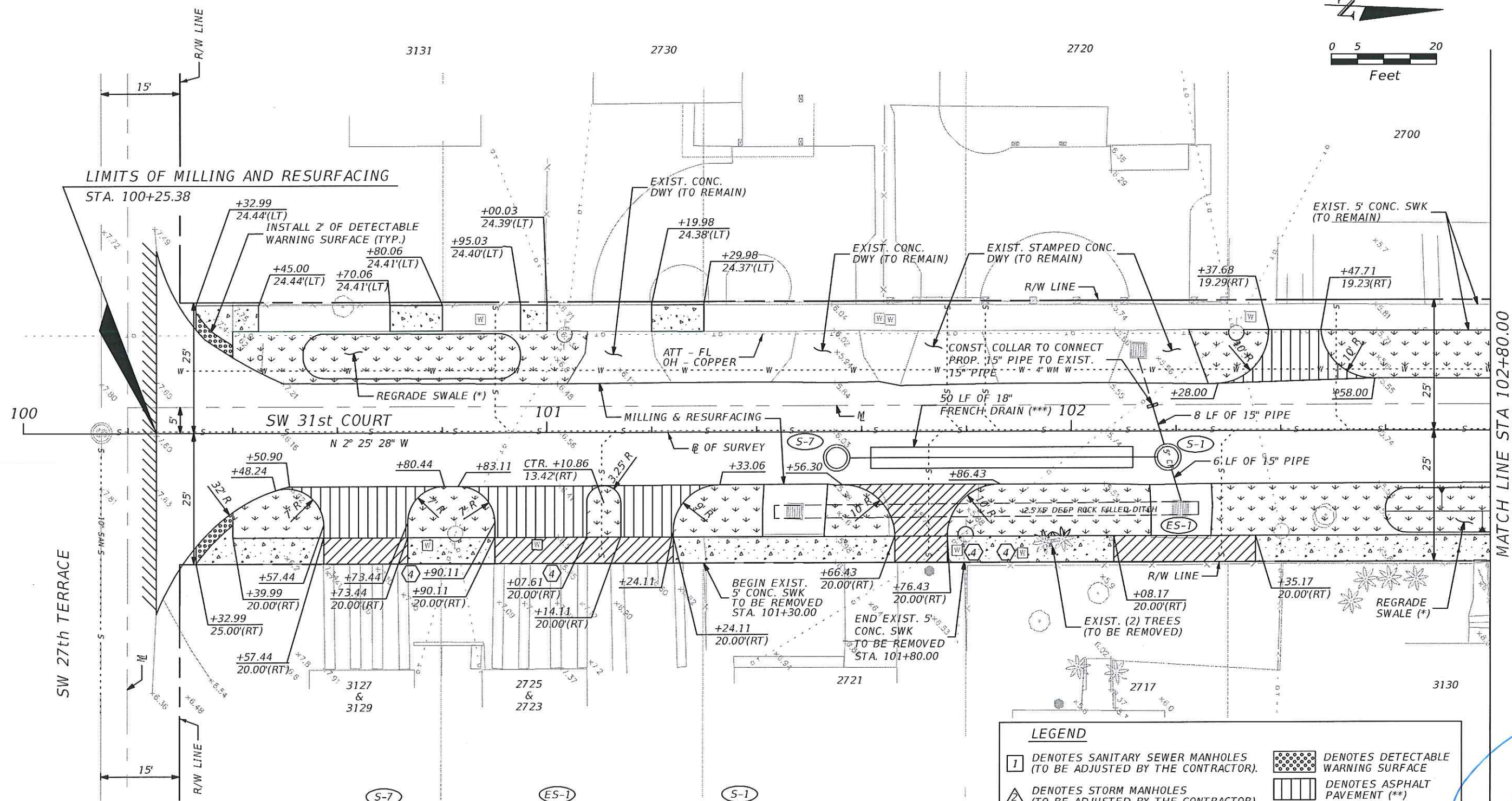
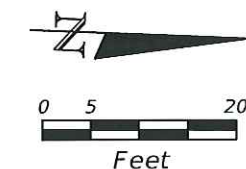


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CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM	
PROJECT NAME	PROJECT No.
SW 27th St ROADWAY IMPROVEMENT	B-50204

ROADWAY PLAN

SHEET NO.
16



- NOTES:**
- (*) SEE CITY OF MIAMI STANDARD INDEX NO. 35-86-45.
 - (**) SEE CITY OF MIAMI STANDARD INDEX NO. 35-85-40.
 - (***) SEE CITY OF MIAMI STANDARD INDEX NO. 35-86-26.

- (S-7)** STA. 101+55.25 (5.00' RT) CONST. MANHOLE TYPE D-4 (CITY OF MIAMI STANDARDS INDEX No. MISC. 35-86-10) RIM EL. = 5.91' FL EL. = 0.00' (N) BOTTOM EL. (-2.00)
- (ES-1)** STA. 102+20.90 (20.90' RT) CORE DRILL EXIST. STRUCTURE TO CONNECT PROP. 18" PIPE MATCH EXISTING FL EL.
- (S-1)** STA. 102+18.45 (5.00' RT) CONST. MANHOLE TYPE D-4 (CITY OF MIAMI STANDARDS INDEX No. MISC. 35-86-10) RIM EL. = 5.64' FL EL. = 0.00' (S) FL EL. = 1.37' (W) FL EL. = 1.35' (E) BOTTOM EL. (-2.00)

LEGEND

1	DENOTES SANITARY SEWER MANHOLES (TO BE ADJUSTED BY THE CONTRACTOR).	[Symbol]	DENOTES DETECTABLE WARNING SURFACE
2	DENOTES STORM MANHOLES (TO BE ADJUSTED BY THE CONTRACTOR).	[Symbol]	DENOTES ASPHALT PAVEMENT (**)
3	DENOTES WATER VALVES (TO BE ADJUSTED BY THE CONTRACTOR).	[Symbol]	DENOTES 4" CONCRETE SIDEWALK
4	DENOTES WATER METERS BOXES (TO BE ADJUSTED/REPLACED BY THE CONTRACTOR). WATER METER BOXES TO BE PROVIDED BY MD-WASD.	[Symbol]	DENOTES 6" CONCRETE
		[Symbol]	DENOTES SOD

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2/20/16

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PROJECT NAME	PROJECT No.
SW 27th St ROADWAY IMPROVEMENT	B-50204

ROADWAY PLAN

SHEET NO.
17

TRAFFIC CONTROL PLANS:

1. TRAFFIC CONTROL 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 THE AREA.
5. LANE CLOSURES 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 THE 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 PAY ITEM 102-1, MAINTENANCE OF TRAFFIC.
10. COST OF REMOVAL OF WORK ZONE PAVEMENT MARKINGS (INCLUDING PAINT, REMOVAL 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. GRIDGING 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.

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2/3/16

PEDESTRIANS, BICYCLES, AND WHEELCHAIRS:

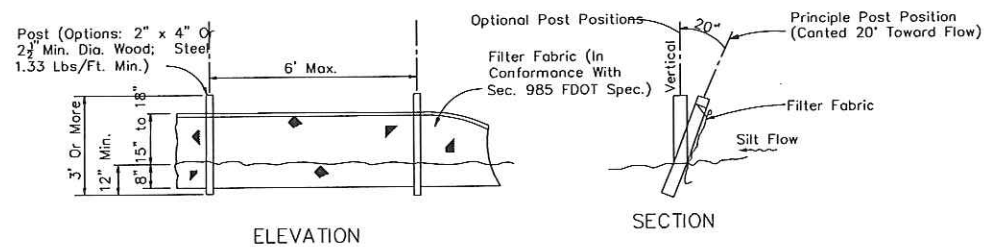
16. AT THE END OF EACH WORK DAY OR WHENEVER THE WORK ZONE BECOMES INACTIVE, ANY DROP OFF GREATER THAN 6 IN. ADJACENT TO THE PEDESTRIAN, BICYCLE, AND WHEELCHAIR TRAVEL PATHS SHALL BE BACKFILLED FLUSH WITH THE SAID PATHS OR PROTECTED WITH TEMPORARY FENCE, CONCRETE BARRIER WALL OR APPROVED HANRAIL. COST 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.ORG).

REVISIONS			R.J. Behar & Company, Inc. Engineers • Planners 6861 S.W. 196 AVENUE, SUITE 302 PEMBROKE PINES, FL 33332 JAVIER RODRIGUEZ, P.E. LICENSE NO. 48264 CERTIFICATE OF AUTHORIZATION NO. 00008365	 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. 18
DATE	BY	DESCRIPTION			PROJECT NAME	PROJECT No.		
					SW 27th St ROADWAY IMPROVEMENT	B-50204		

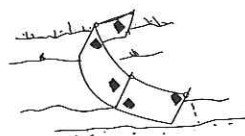
SWPPP – DETAILS

SWPPP INDEX:

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



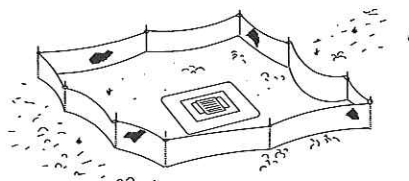
SILT FENCE DETAIL
N.T.S.



Type III Silt Fence

Notes:

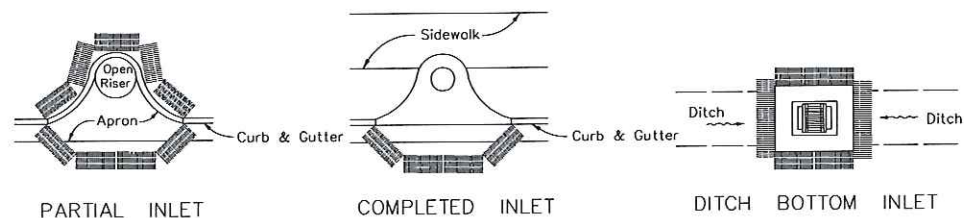
1. Spacing for Type III Fence to be in accordance with the Florida Erosion and Sediment Control Manual



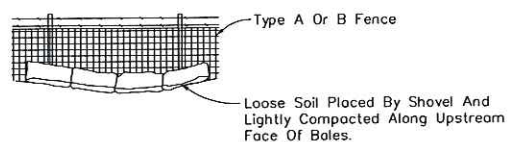
Type III Silt Fence Protection Around Ditch Bottom Inlets.

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
N.T.S.



PROTECTION AROUND INLETS OR SIMILAR STRUCTURES
N.T.S.



BALES BACKED BY FENCE
N.T.S.

NOTES FOR SYNTHETIC BALES OR BALE TYPE BARRIERS

1. Type I and II Synthetic Barrier should be in accordance with the Florida Erosion and Sediment Control Manual.
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 AND REGRADE SWALES
 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 1.28 AC.
PW NPDES Permit No. _____
Date Issued: _____

[Handwritten Signature]
2/8/16

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DATE	BY	DESCRIPTION

R.J. Behar & Company, Inc.
Engineers • Planners
6861 S.W. 196 AVENUE, SUITE 302
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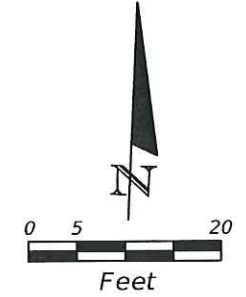
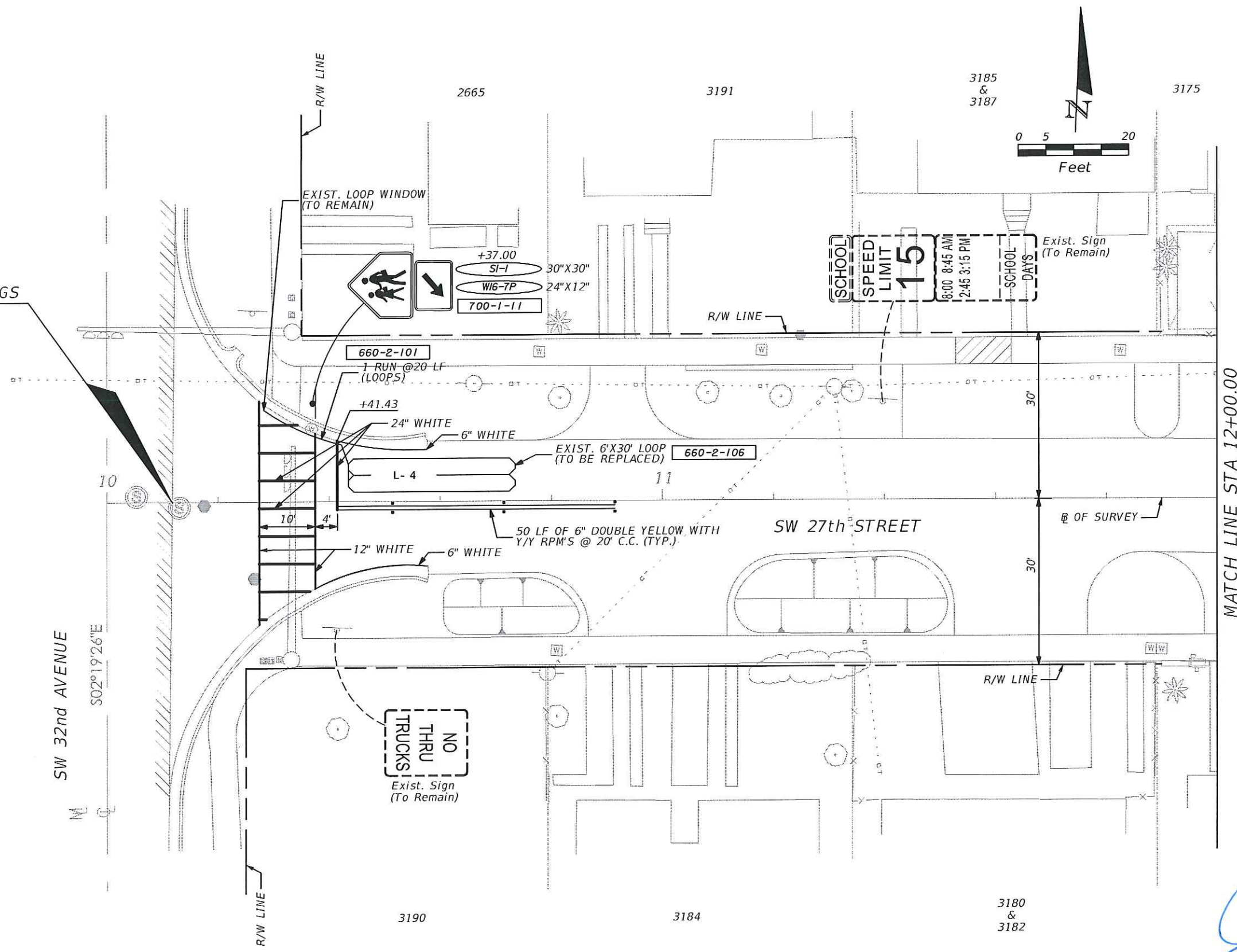
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CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM	
PROJECT NAME	PROJECT No.
SW 27th St ROADWAY IMPROVEMENT	B-50204

SWPPP NOTES AND DETAILS

SHEET NO.
19

BEGIN SIGNING & PAVEMENT MARKINGS
 STA 10+12.00
 (MATCH EXIST.)



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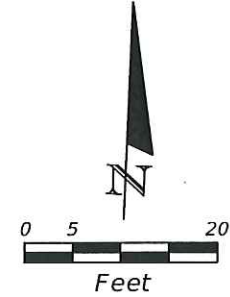
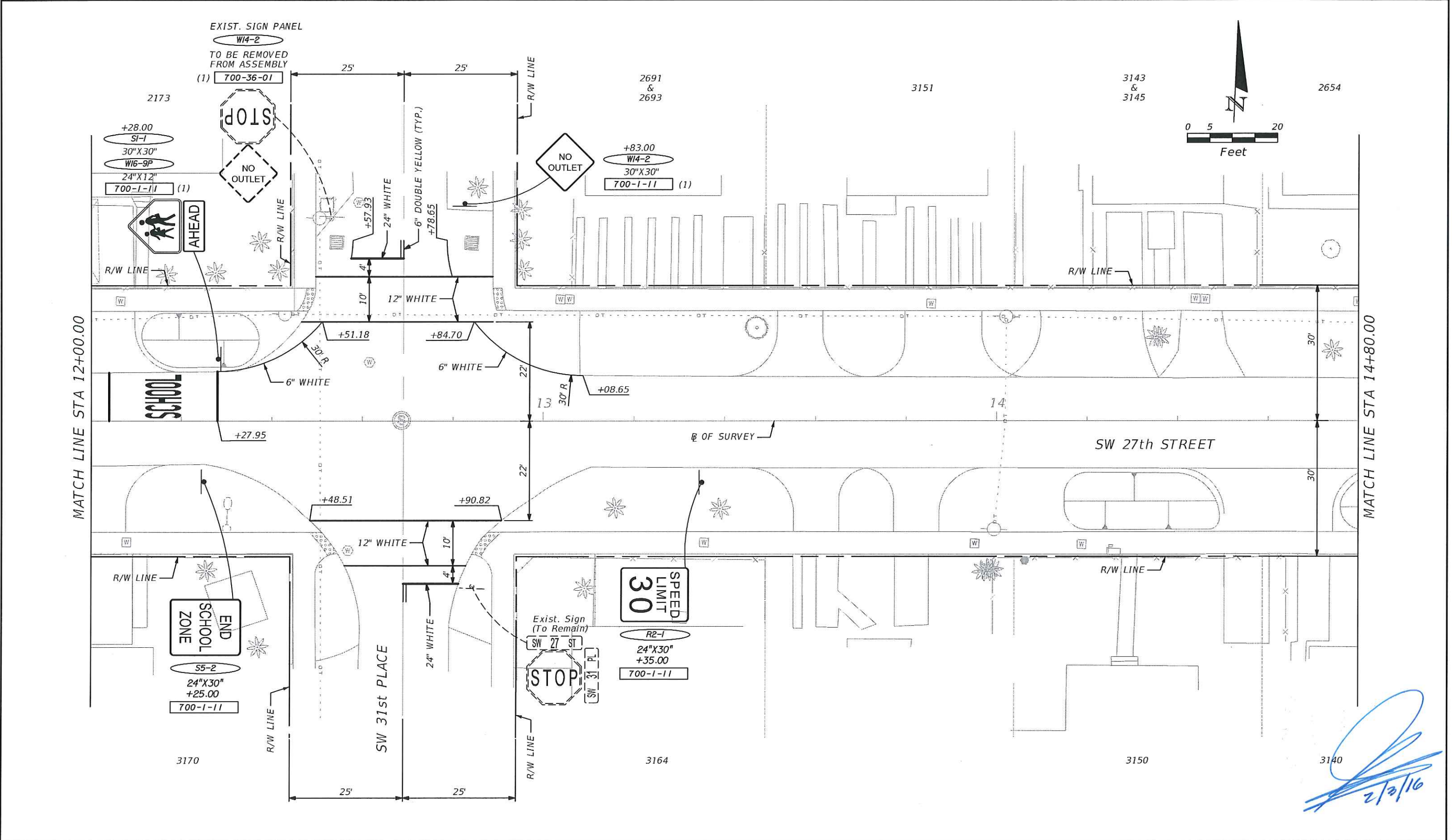
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SW 27th St ROADWAY IMPROVEMENT	B-50204

SIGNING & PAVEMENT MARKINGS

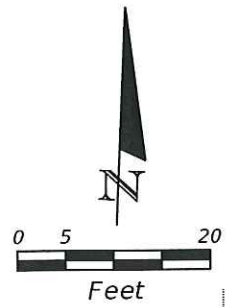
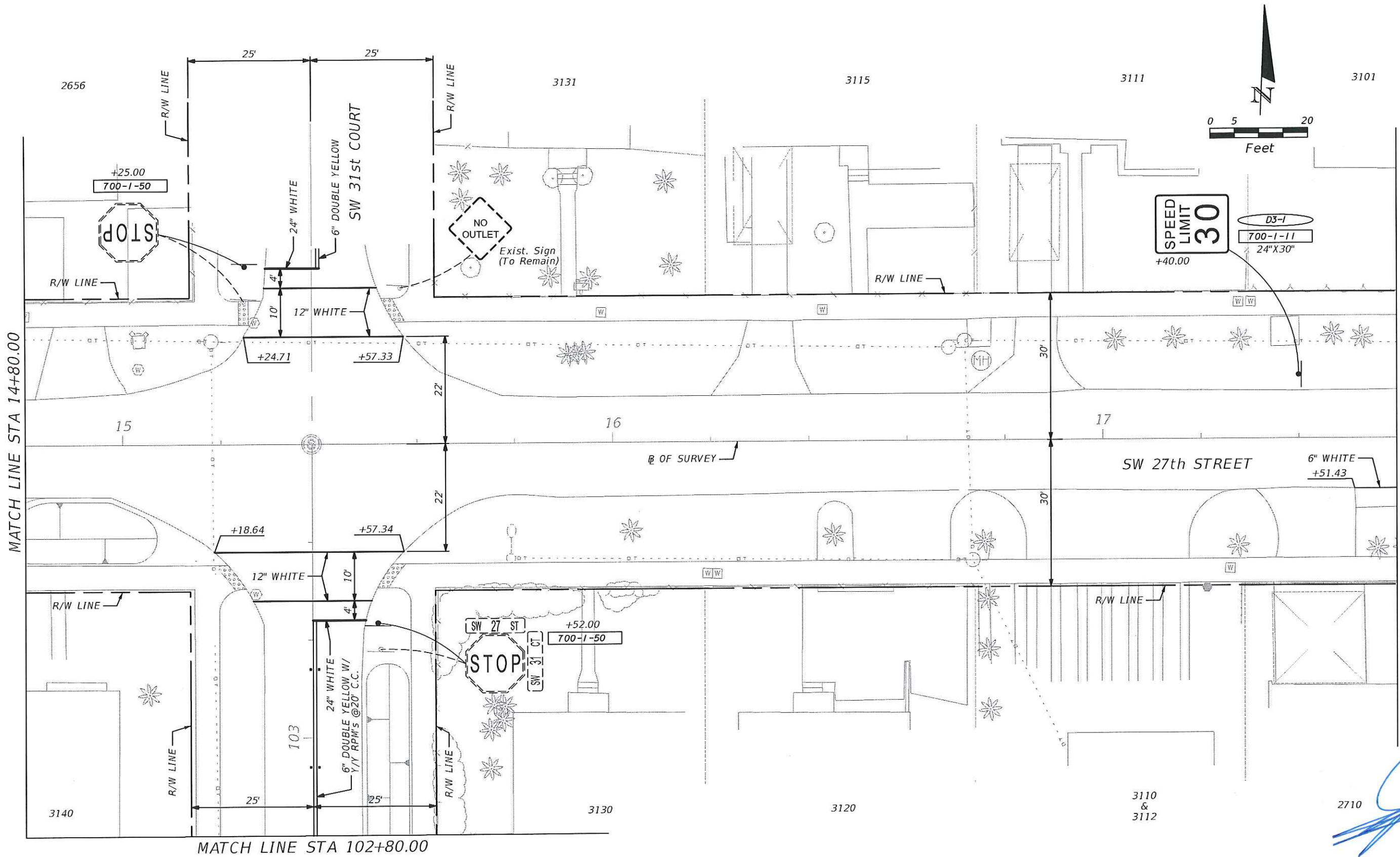
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DATE	BY			DESCRIPTION	PROJECT NAME	
				SW 27th St ROADWAY IMPROVEMENT	B-50204	



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2/2/16

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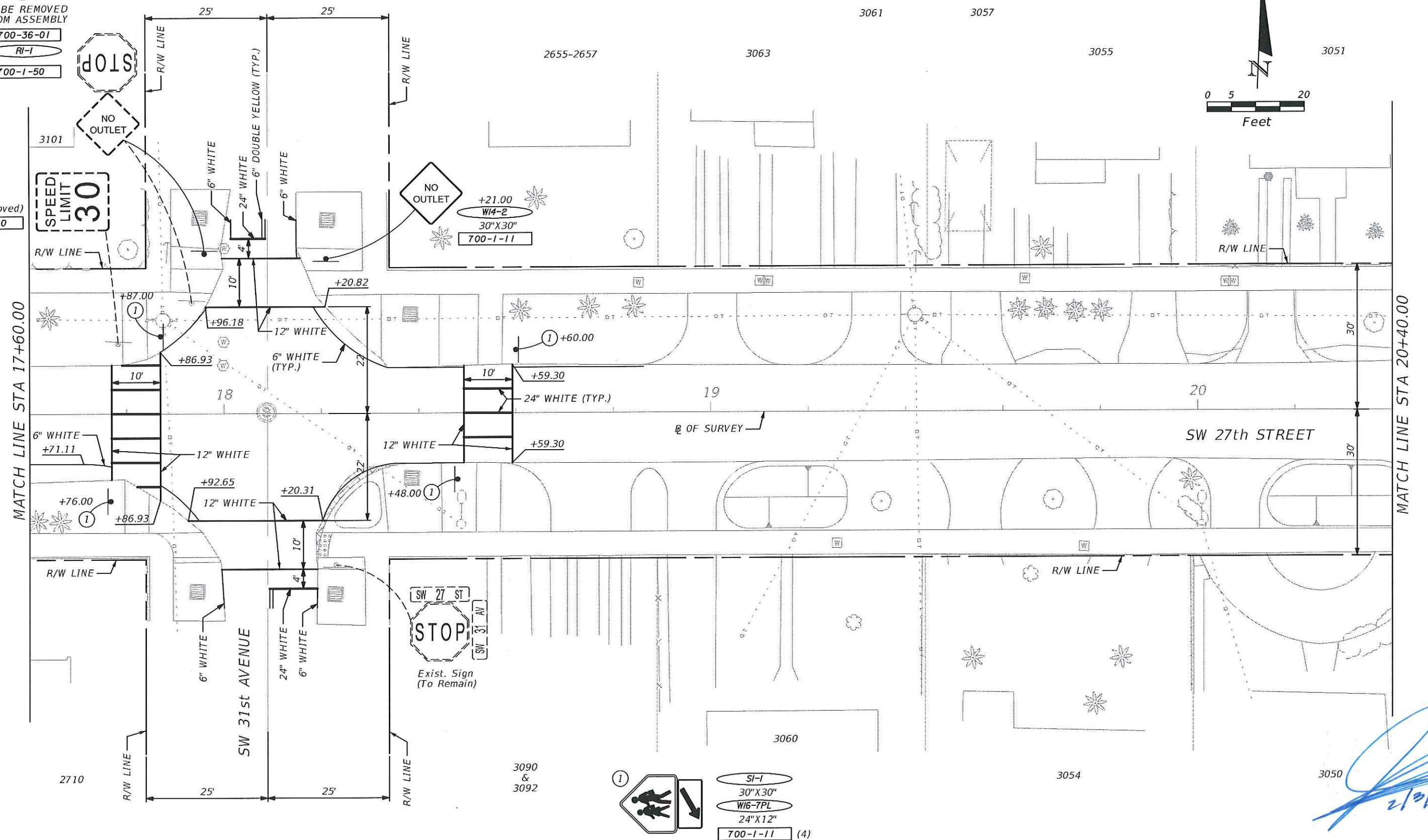
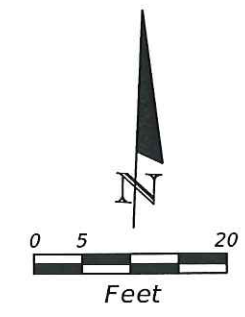
SIGNING & PAVEMENT MARKINGS

SHEET NO.
S-3

EXIST. SIGN PANEL

- W14-2
- TO BE REMOVED FROM ASSEMBLY
- 700-36-01
- RI-1
- 700-1-50

Exist. Sign (To Be Removed)
700-1-60



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2/3/16

REVISIONS		DESCRIPTION
DATE	BY	

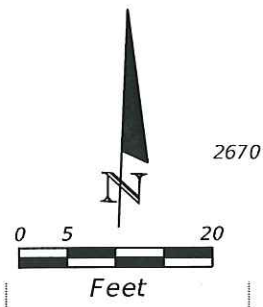
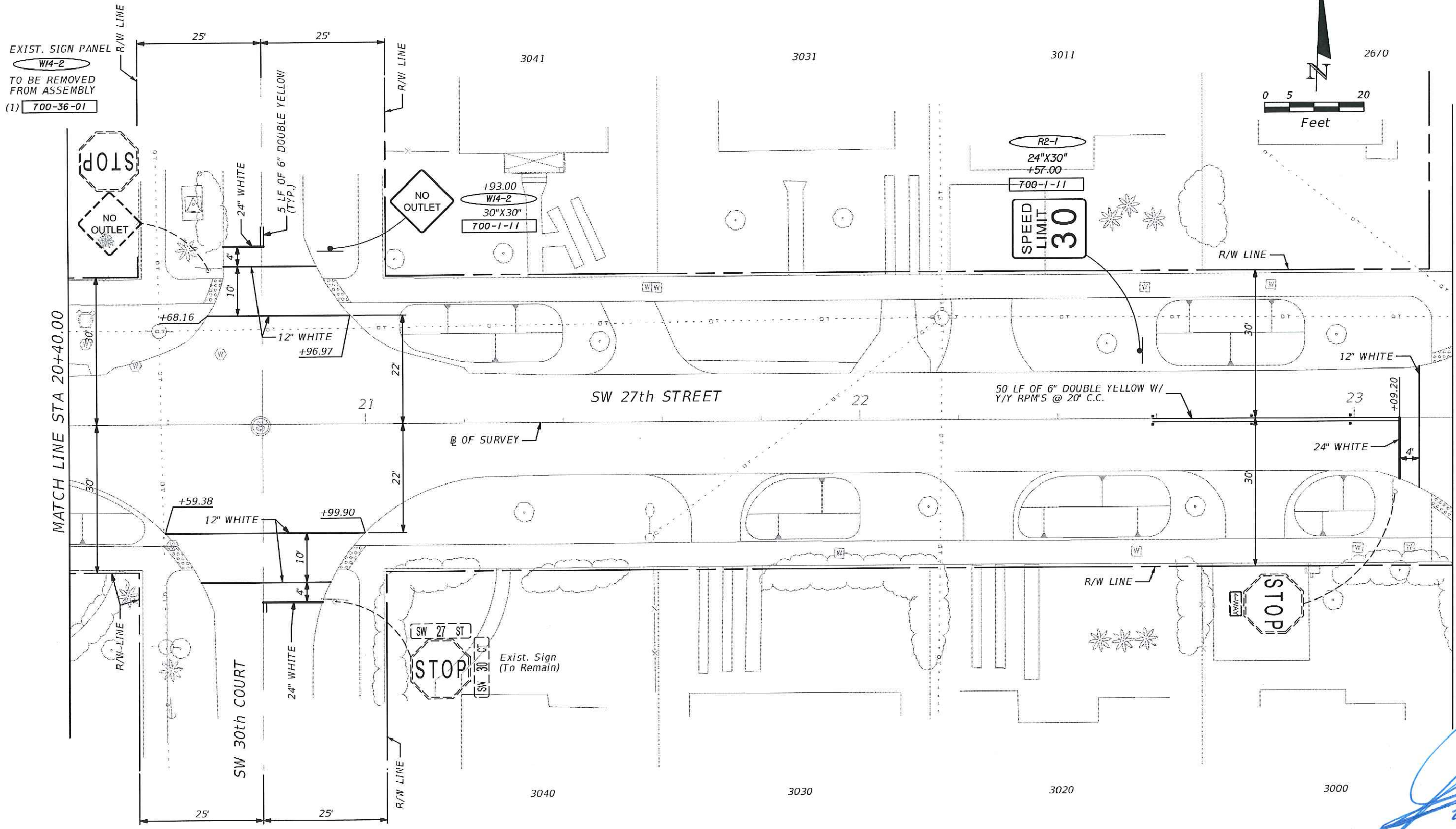
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SHEET NO.
S-4



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2/22/16

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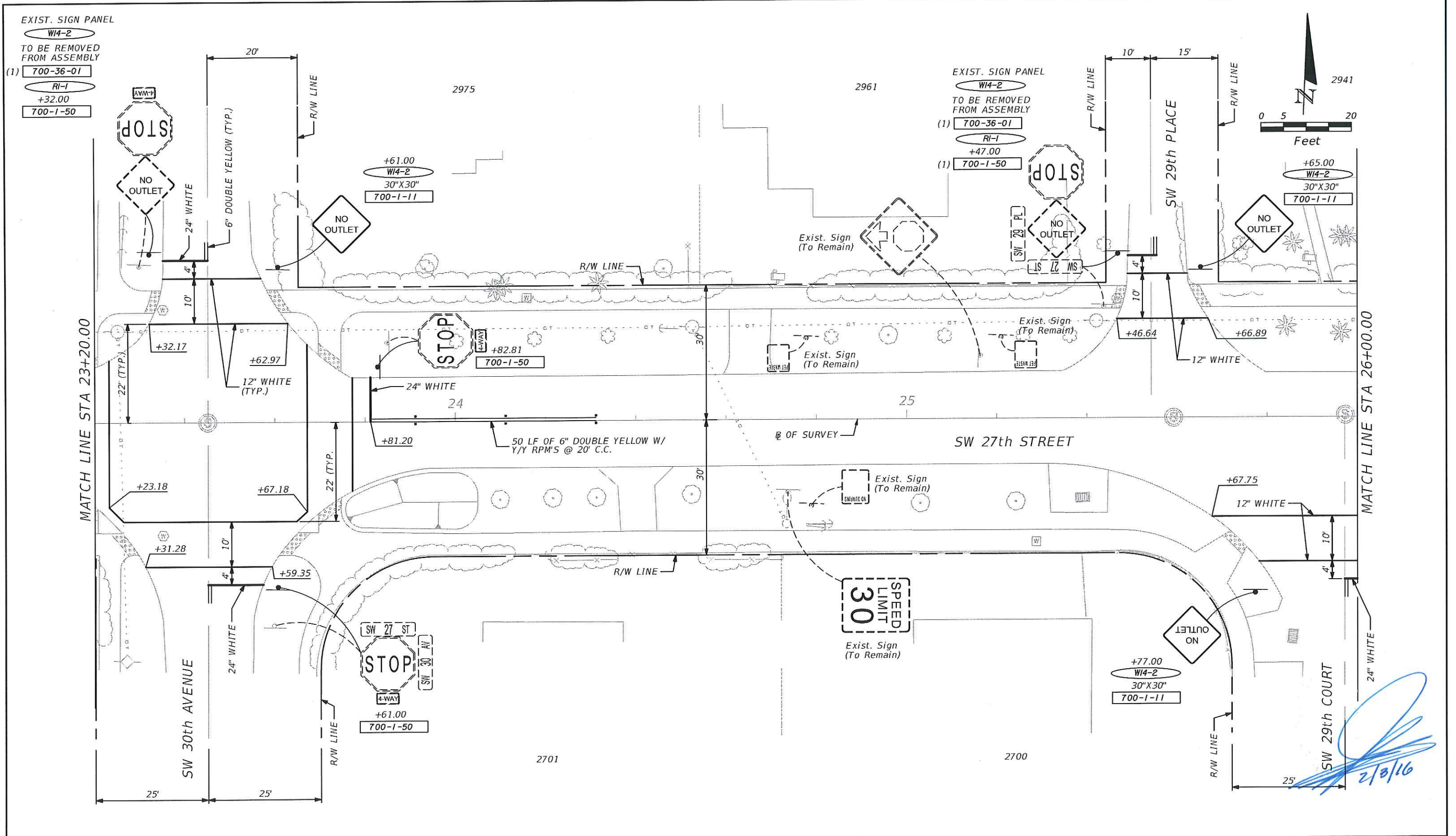


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SIGNING & PAVEMENT MARKINGS

SHEET NO.
S-5



REVISIONS	
DATE	DESCRIPTION

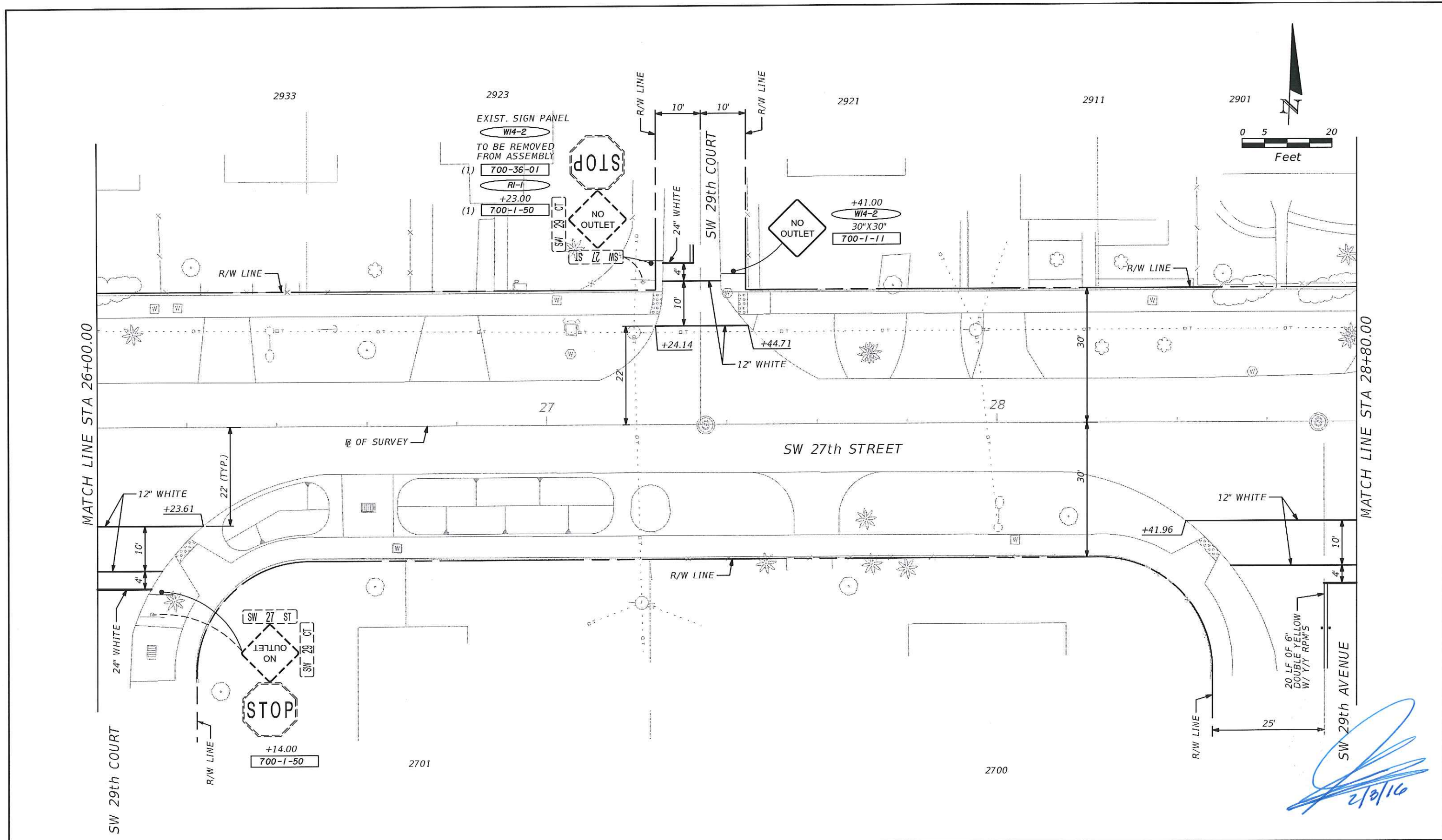
R.J. Behar & Company, Inc.
 Engineers • Planners
 6861 S.W. 196 AVENUE, SUITE 302
 PEMBROKE PINES, FL 33332
 JAVIER RODRIGUEZ, P.E. LICENSE NO. 48264
 CERTIFICATE OF AUTHORIZATION NO. 00008365

 **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: SW 27th St ROADWAY IMPROVEMENT
 PROJECT No.: B-50204

SIGNING & PAVEMENT MARKINGS


SHEET NO.
 S-6



[Handwritten Signature]
2/2/16

REVISIONS	
DATE	DESCRIPTION

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Engineers • Planners
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PEMBROKE PINES, FL 33332
JAVIER RODRIGUEZ, P.E. LICENSE NO. 48264
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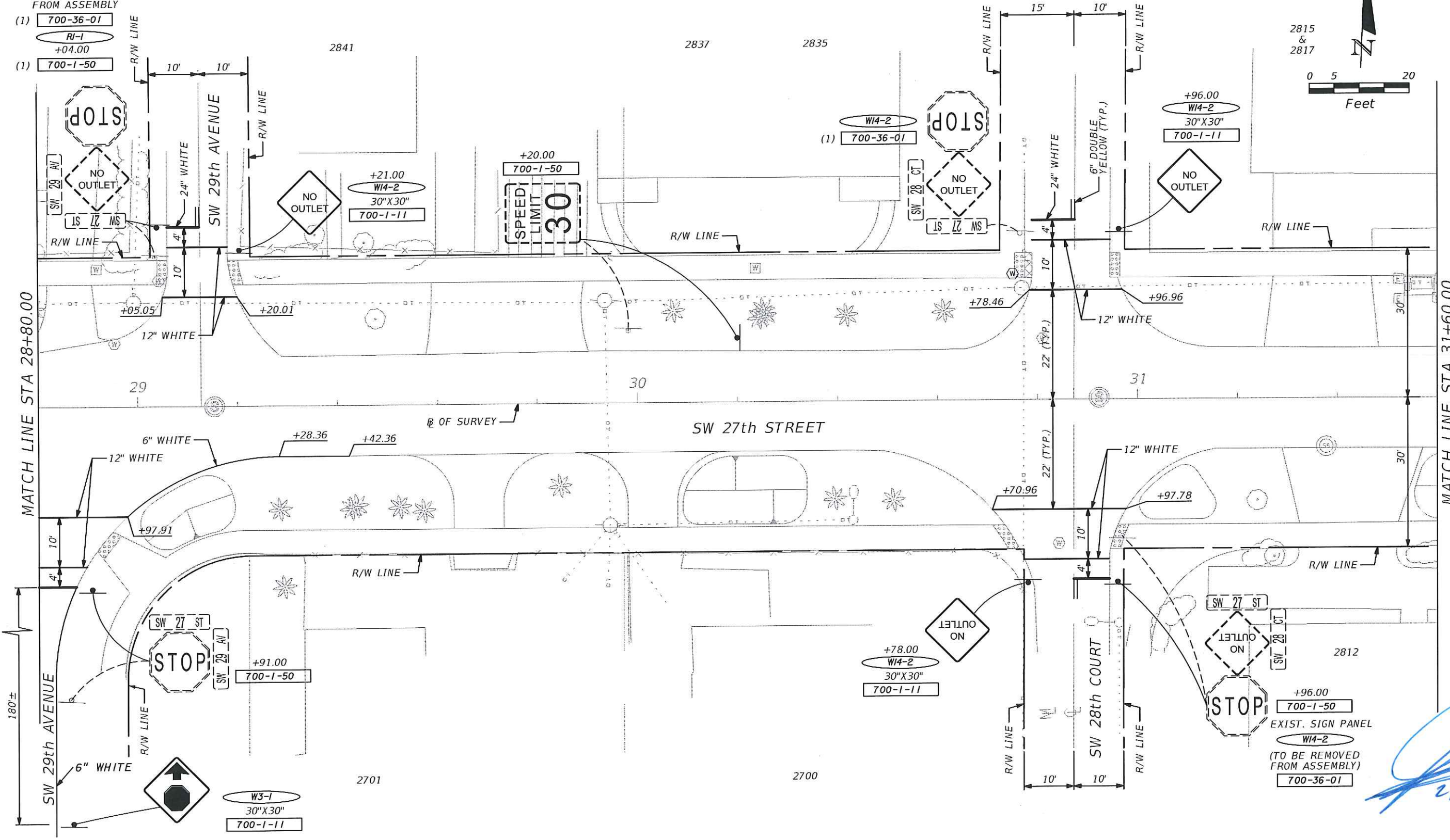
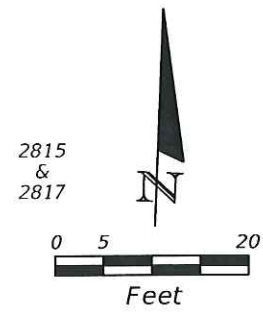
CITY OF MIAMI
CAPITAL IMPROVEMENTS PROGRAM
444 S.W. 2ND AVENUE, 8TH FLOOR
MIAMI, FLORIDA 33130
(305) 416-1213 FAX (305) 416-1253

CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM	
PROJECT NAME	PROJECT No.
SW 27th St ROADWAY IMPROVEMENT	B-50204

SIGNING & PAVEMENT MARKINGS

SHEET NO.
S-7

EXIST. SIGN PANEL
 W4-2
 TO BE REMOVED FROM ASSEMBLY
 (1) 700-36-01
 RI-1
 +04.00
 (1) 700-1-50



MATCH LINE STA 28+80.00

MATCH LINE STA 31+60.00

[Handwritten Signature]
 2/3/16

REVISIONS		DESCRIPTION
DATE	BY	

R.J. Behar & Company, Inc.
 Engineers • Planners
 6861 S.W. 196 AVENUE, SUITE 302
 PEMBROKE PINES, FL 33332
 JAVIER RODRIGUEZ, P.E. LICENSE NO. 48264
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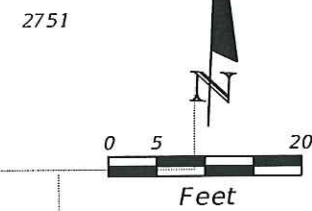
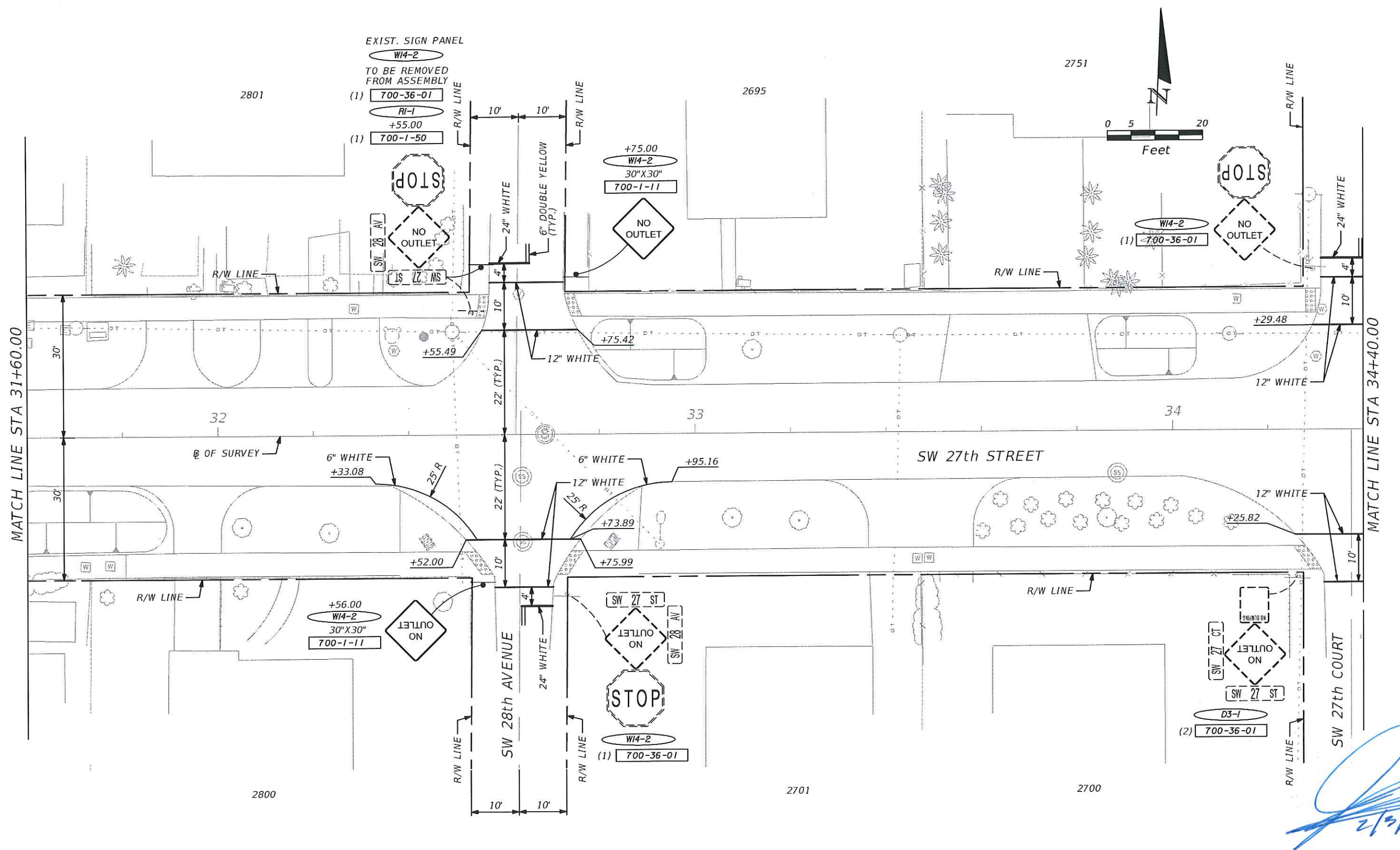


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 (305) 416-1213 FAX (305) 416-1253

CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM	
PROJECT NAME	PROJECT No.
SW 27th St ROADWAY IMPROVEMENT	B-50204

SIGNING & PAVEMENT MARKINGS

SHEET NO.
 S-8



[Handwritten Signature]
2/3/16

REVISIONS	
DATE	DESCRIPTION

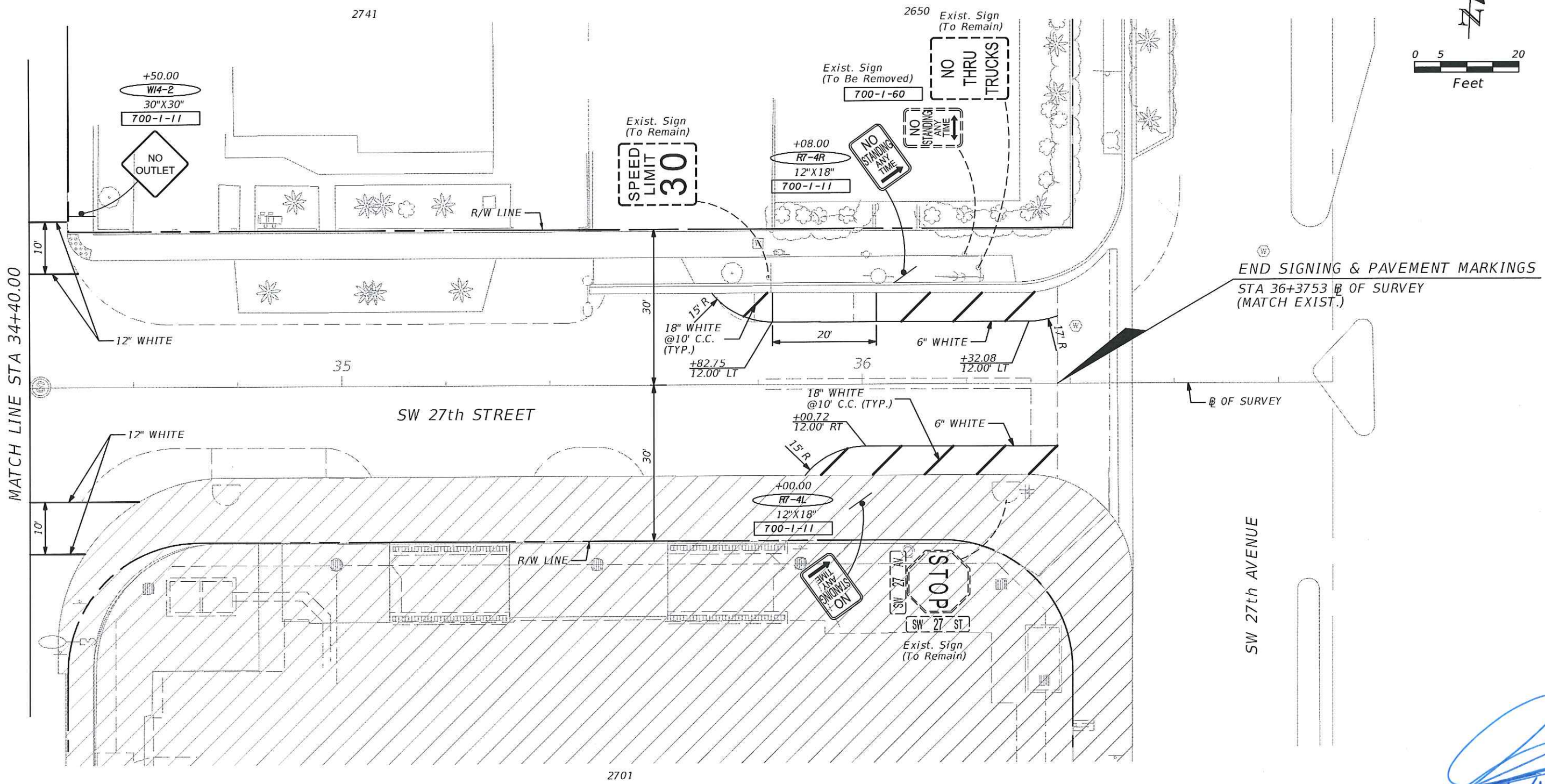
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(305) 416-1213 FAX (305) 416-1253

CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM	
PROJECT NAME	PROJECT No.
SW 27th St ROADWAY IMPROVEMENT	B-50204

SIGNING & PAVEMENT MARKINGS

SHEET NO.
S-9



MATCH LINE STA 34+40.00

END SIGNING & PAVEMENT MARKINGS
STA 36+37.53 OF SURVEY
(MATCH EXIST.)

SW 27th AVENUE

[Handwritten Signature]
2/3/16

REVISIONS		
DATE	BY	DESCRIPTION

R.J. Behar & Company, Inc.
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PEMBROKE PINES, FL 33332
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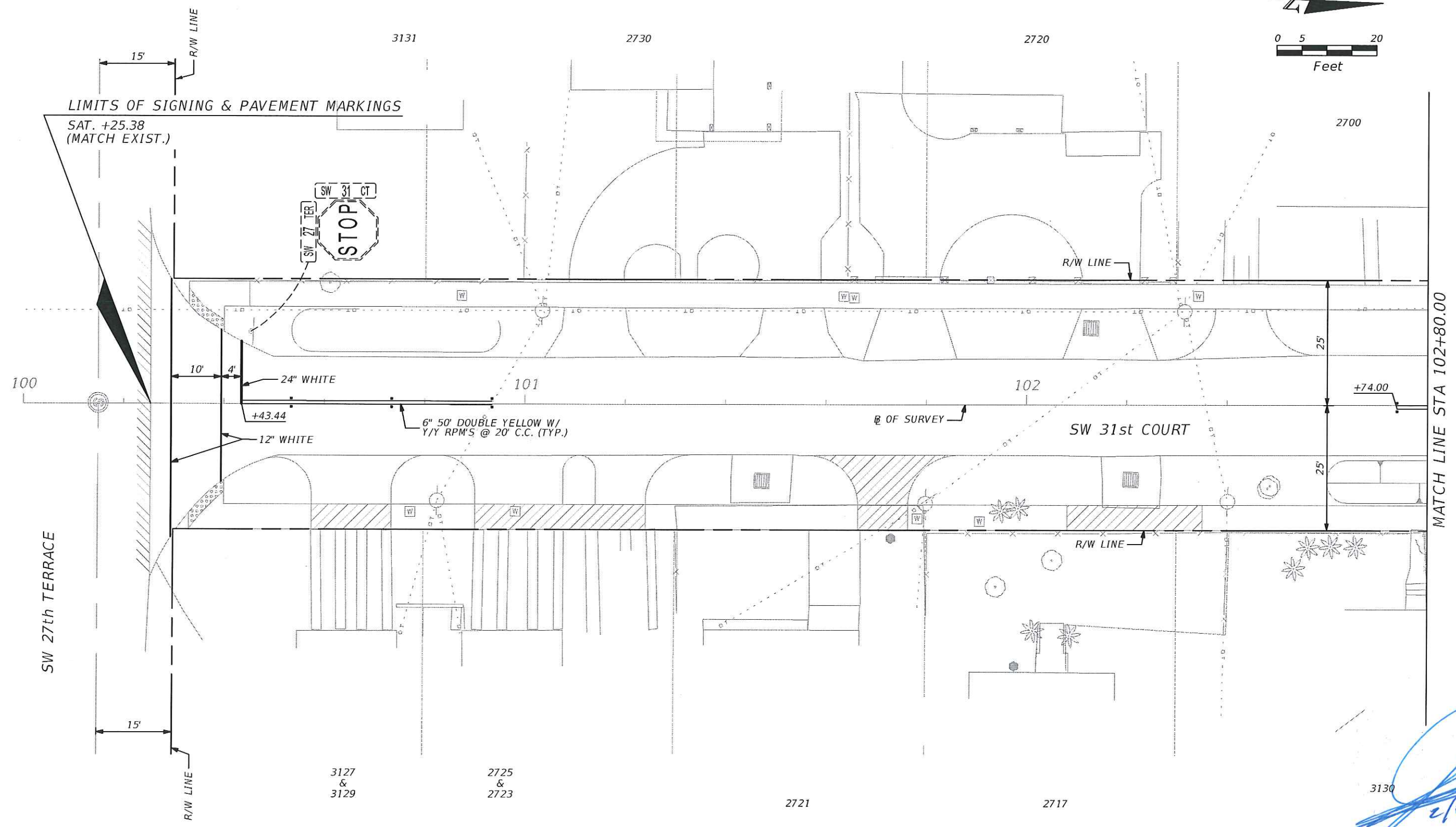
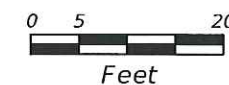


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CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM	
PROJECT NAME	PROJECT No.
SW 27th St ROADWAY IMPROVEMENT	B-50204

SIGNING & PAVEMENT MARKINGS

SHEET NO.
S-10



[Handwritten Signature]
2/9/16

REVISIONS	
DATE	DESCRIPTION

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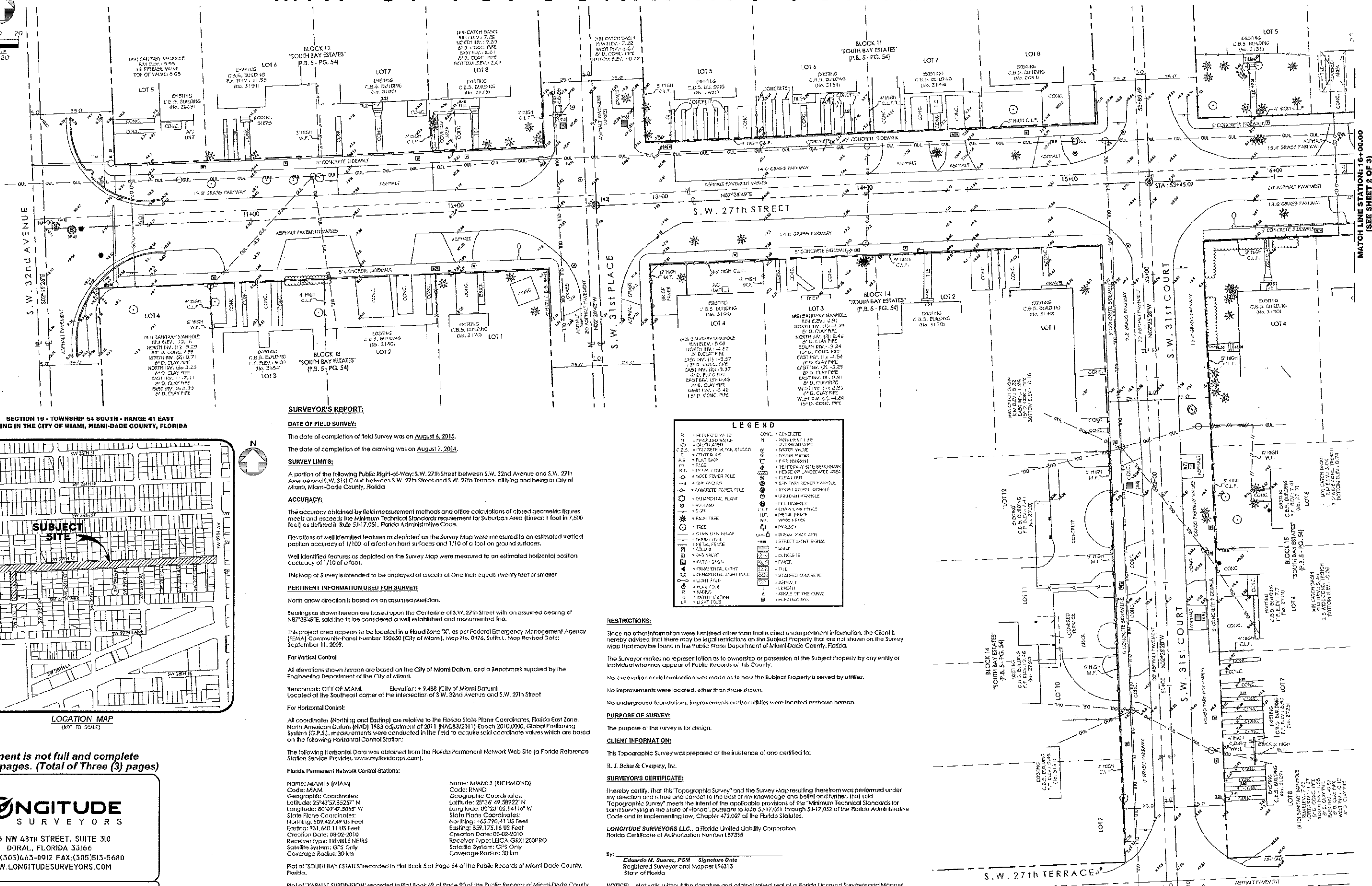
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CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM	
PROJECT NAME	PROJECT No.
SW 27th St ROADWAY IMPROVEMENT	B-50204

SIGNING & PAVEMENT MARKINGS

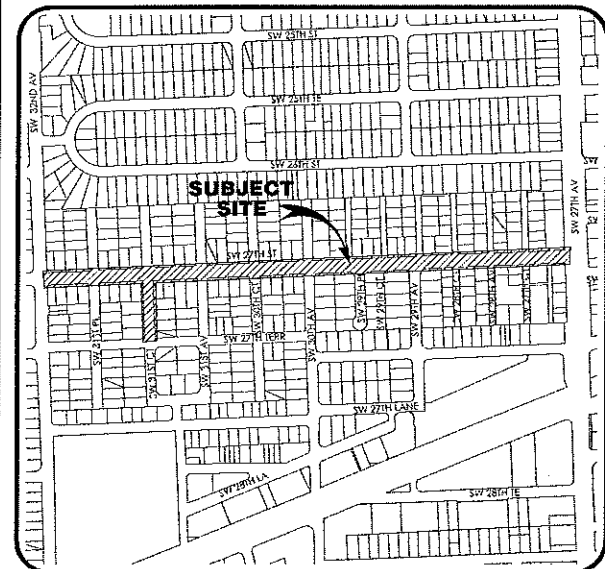
SHEET NO.
S-11

MAP OF TOPOGRAPHIC SURVEY



MATCH LINE STATION: 16+00.00
(SEE SHEET 2 OF 3)

SECTION 16 - TOWNSHIP 54 SOUTH - RANGE 41 EAST
LYING IN THE CITY OF MIAMI, MIAMI-DADE COUNTY, FLORIDA



LOCATION MAP
(NOT TO SCALE)

SURVEYOR'S REPORT:

DATE OF FIELD SURVEY:
The date of completion of field survey was on August 6, 2015.
The date of completion of the drawing was on August 7, 2015.

SURVEY LIMITS:
A portion of the following Public Right-of-Way: S.W. 27th Street between S.W. 32nd Avenue and S.W. 27th Avenue and S.W. 31st Court between S.W. 27th Street and S.W. 27th Terrace, all lying and being in 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 SJ-17.051, 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 of a scale of One Inch equals Twenty feet or smaller.

PERTINENT INFORMATION USED FOR SURVEY:
North arrow direction is based on an assumed Meridian.
Bearings as shown herein are based upon the Centerline of S.W. 27th Street with an assumed bearing of N87°38'49"E, said line to be considered a well established and monumented line.
This project area appears to be located in a Flood Zone "X", as per Federal Emergency Management Agency (FEMA) Community Panel Number 120650 (City of Miami), Map No. 0476, Suffix L, Map Revised Date: September 11, 2009.
For Vertical Control:
All elevations shown herein are based on the City of Miami Datum, and a Benchmark supplied by the Engineering Department of the City of Miami.
Benchmark: CITY OF MIAMI Elevation: +9.482 (City of Miami Datum)
Located at the Southeast corner of the intersection of S.W. 32nd Avenue and S.W. 27th Street
For Horizontal Control:
All coordinates (Northing and Easting) are relative to the Florida State Plane Coordinates, Florida East Zone, North American Datum (NAD) 1983 adjustment of 2011 [NAD83/2011]-Epoch 2010.0000, Global Positioning System (GPS), measurements were conducted in the field to acquire said coordinate values which are based on the following Horizontal Control Station:
The following Horizontal Data was obtained from the Florida Permanent Network Web Site (a Florida Reference Station Service Provider, www.mylongitudes.com).
Florida Permanent Network Control Stations:

Name: MIAMI 4 (MIAMI) Code: MIAM Geographic Coordinates: Latitude: 25°43'37.85257" N Longitude: 80°19'47.50655" W State Plane Coordinates: Northing: 509,427.49 US Feet Easting: 931,640.11 US Feet Creation Date: 08-02-2010 Receiver type: TRIMBLE NETRS Satellite System: GPS Only Coverage Radius: 30 km	Name: MIAMI 3 (RICHMOND) Code: RMND Geographic Coordinates: Latitude: 25°36'49.58922" N Longitude: 80°23'02.14114" W State Plane Coordinates: Northing: 465,790.41 US Feet Easting: 859,175.16 US Feet Creation Date: 08-02-2010 Receiver type: LEICA GRX1200PRO Satellite System: GPS Only Coverage Radius: 30 km
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Plot of 'SOUTH BAY ESTATES' recorded in Plat Book 5 at Page 54 of the Public Records of Miami-Dade County, Florida.
Plot of 'KARNAT SUBDIVISION' recorded in Plat Book 49 of Page 90 of the Public Records of Miami-Dade County, Florida.
City of Miami Atlas Sheets "42L", "42M", recorded in the Survey Department of the City of Miami, Florida.

LEGEND

R	WELL POINT VALVE	CONC.	CONCRETE
M	PARASO VALVE	M	MANHOLE
N	COUCH BASIN	S	SEWER LINE
C.B.S.	EXISTING C.B.S. BUILDING	W	WATER VALVE
C	CELESTIAL	WP	WATER PIPER
FL	FLUE STACK	PR	PIPE (RADIUM)
PL	PLATE	LT	TEMPORARY SITE BENCHMARK
PC	POSTAL CENTER	HL	HEDGE TOP LANDSCAPED CURB
W	WOOD POWER POLE	CL	CLEAR CUT
S	SM	ST	STAIRWAY SIGN MANHOLE
PC	CONCRETE POWER POLE	ST	STAIRWAY SIGN
FL	ORNAIMENTAL FLUNT	U	URBAN INTERPOL
FL	FL	FL	FILE MARKER
S	S	FL	FL
FL	FL	FL	FL
FL	FL	FL	FL
FL	FL	FL	FL
FL	FL	FL	FL
FL	FL	FL	FL
FL	FL	FL	FL
FL	FL	FL	FL
FL	FL	FL	FL
FL	FL	FL	FL
FL	FL	FL	FL

RESTRICTIONS:
Since no other information was 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 Works Department of Miami-Dade County, Florida.
The Surveyor makes no representation as to ownership or possession of the Subject Property by any entity or individual who may appear of 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 herein.

PURPOSE OF SURVEY:
The purpose of this survey is for design.

CLIENT INFORMATION:
This Topographic Survey was prepared at the instance of and certified to:
R. J. Behar & Company, Inc.

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 SJ-17.051 through SJ-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 Corporation
Florida Certificate of Authorization Number 187335

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

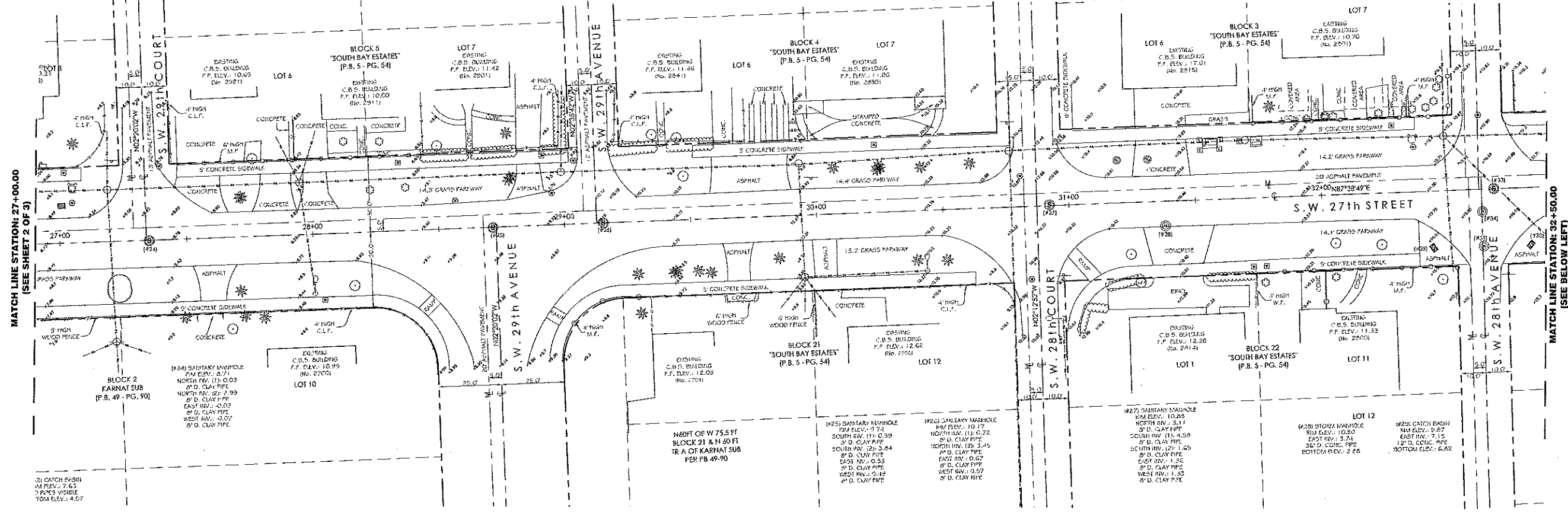
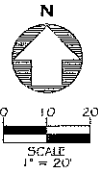
NOTICE: Not valid without the signature and original raised seal of a Florida Licensed Surveyor and Mapper. Additions or deletions to Survey Maps by other than the signing party are prohibited without the written consent of the signing party.

NOTICE:
This Document is not full and complete without all pages. (Total of Three (3) pages)

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

JOB NO.: 15229 DRAWN BY: DR
FIELD BOOK: EFB SHEET 1 OF 3

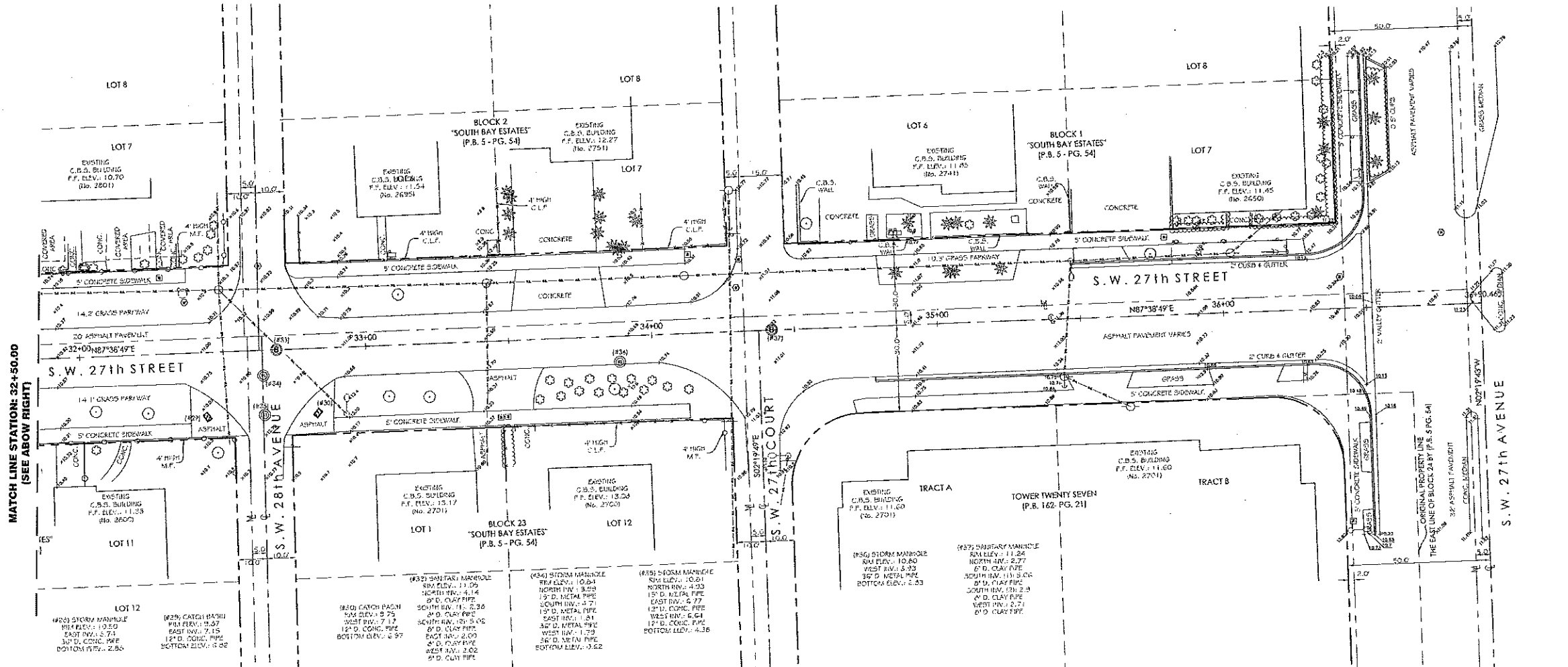
MAP OF TOPOGRAPHIC SURVEY



MATCH LINE STATION: 27+00.00
(SEE SHEET 2 OF 3)

MATCH LINE STATION: 32+50.00
(SEE BELOW LEFT)

LEGEND	
CONC.	CONCRETE
PRE-CAST	PRE-CAST CONCRETE
MEAS.	MEASURED VALUE
Z	ZULU
C.B.S.	CONCRETE BLOCK STUCCO
C.F.	CENTERLINE
P.D.	FLAT BENCH
PC	PAVEMENT
H.F.	METAL FENCE
W.F.	WOOD FENCE
W.P.	WOOD POWER POLE
G.A.	GUY ANCHOR
CCP	CONCRETE POWER POLE
ORF	ORNAMENTAL FLANT
COLL	COLLARD
S	SIGN
PT	PALM TREE
T	TREE
CH	CHAIN LINK FENCE
WF	WOOD FENCE
M	METAL FENCE
C	COLUMN
G	GAS VALVE
C	CATCH BASIN
OL	ORNAMENTAL LIGHT
OLP	ORNAMENTAL LIGHT POLE
L	LENGTH
R	RADIUS
ID	IDENTIFICATION
LP	LIGHT POLE
MI	MARKET LINE
WB	WATER VALVE
WM	WATER METER
FM	FIRE MANDANT
TS	TEMPERATURE SITE BENCHMARK
SM	HEADS ON LANDSCAPED AREA
CE	CLEAN EXIT
SMH	STORM STORM MANHOLE
SMH	SEWERSHANK MANHOLE
CF	CHAIN LINK FENCE
M.F.	METAL FENCE
W.F.	WOOD FENCE
M	MATERIAL
SM	SIGNAL MAST ARM
SL	STREET LIGHT SIGNAL
S	SPRINK
C	CONCRETE
P	PAVEMENT
H	HILL
SC	STAMPED CONCRETE
A	ASPHALT
L	LENGTH
R	RADIUS OF THE CURVE
E	ELECTRIC RAY



MATCH LINE STATION: 32+50.00
(SEE ABOVE RIGHT)

NOTICE:
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without all pages. (Total of Three (3) pages)

LONGITUDE
SURVEYORS

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