



CITY OF MIAMI

CAPITAL IMPROVEMENTS PROGRAM

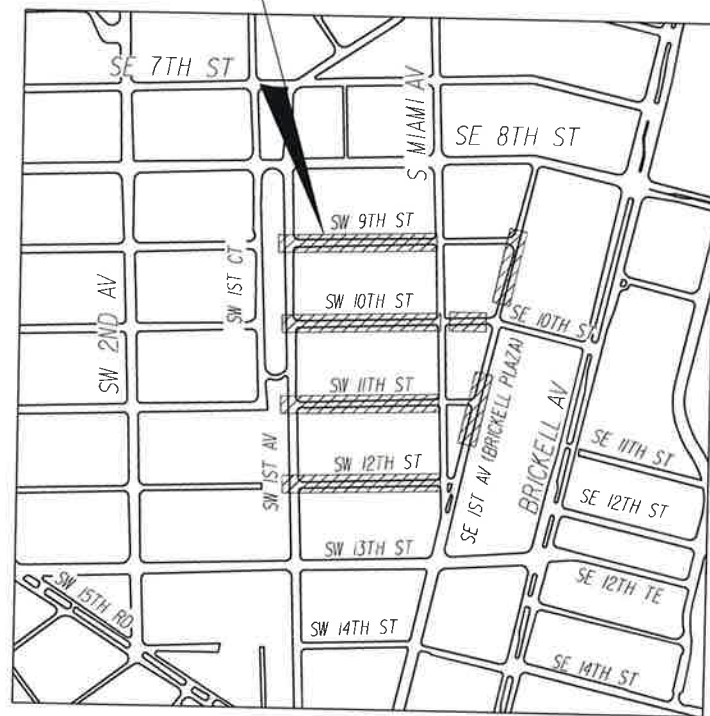
MARY BRICKELL VILLAGE DRAINAGE AND ROADWAY IMPROVEMENTS - PHASE 1

SW/SE 9th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
 SW/SE 10th STREET FROM W 1st AVENUE TO SE 1st AVENUE (BRICKELL PLAZA)
 SW/SE 11th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
 SW/SE 12th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE

CITY OF MIAMI PROJECT NUMBER: B-30637

AUGUST, 2016

PROJECT LOCATION



LOCATION MAP

COMMISSION

MAYOR: TOMAS P. REGALADO

COMMISSIONERS: WIFREDO GORT
 KEN RUSSELL
 FRANK CAROLLO
 FRANCIS SUAREZ
 KEON HARDEMON

CITY MANAGER: DANIEL J. ALFONSO

CIP DIRECTOR: JEOVANNY RODRIGUEZ P.E.

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	3,421	0.59
BRIDGES	-	-
NET LENGTH OF PROJECT	3,421	0.59
EXCEPTIONS	-	-
GROSS LENGTH OF PROJECT	3,421	0.59

CITY OF MIAMI PROJECT MANAGER: JOSE LAGO, P.E.

PLANS PREPARED BY:

T·Y·LIN INTERNATIONAL

EB00000407
 201 Alhambra Circle Suite 900
 Coral Gables, Florida. 33134
 Phone: 305/567-1888 Fax: 305/567-1771

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GENERAL NOTES

- 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.
- ALL ELEVATIONS REFER TO THE CITY OF MIAMI VERTICAL DATUM.
- ALL PUBLIC LAND CORNERS AND PRIMARY NETWORK CONTROL SURVEY MONUMENTS ARE TO BE PROTECTED BY THE CONTRACTOR. CORNERS AND MONUMENTS WITHIN THE WORK ZONE 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 THE BEGINNING OF WORK. UPON PROJECT COMPLETION THE CONTRACTOR SHALL RESTORE ALL SUCH CORNERS AND MONUMENTS AND SHALL FURNISH TO THE DISTRICT LOCATION SURVEYOR A SIGNED AND SEALED COPY OF THE LAND SURVEYOR'S REFERENCE DRAWING. INCLUDE ALL COST OF REFERENCING, RESTORING AND PRESERVING CORNERS AND MONUMENTS IN THE BID PRICE FOR ITEM 101-1 MOBILIZATION.
- ALL EXCESS MATERIAL AS DESIGNATED BY THE ENGINEER IS TO BE DISPOSED BY THE CONTRACTOR IN AREAS PROVIDED BY HIM WITHIN 24 HOURS OF BEING DEPOSITED IN THE CONSTRUCTION AREA AND AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL PAINT ALL STATIONS WITH STENCILED NUMBERS ON THE FACE OF THE CURB.
 - FROM THE BEGINNING OF THE PROJECT WHERE THE CURB IS TO REMAIN.
 - AT NEW CURB NOT LATER THAN 72 HOURS AFTER BEING POURED.
 - WHERE CURB DOES NOT EXIST AND SHALL NOT BE CONSTRUCTED THE CONTRACTOR SHALL MAINTAIN STATIONING WITH SURVEYING STAKES.

THE CONTRACTOR SHALL MAINTAIN THE STATION MARKS VISIBLE UNTIL FINAL INSPECTION. COST TO BE INCLUDED IN RELATED PAY ITEM 102-1 MAINTENANCE OF TRAFFIC.
- COMMERCIAL MATERIAL INCLUDED FOR DRIVEWAY MAINTENANCE AND SAFE ACCESS TO RESIDENTIAL AND BUSINESS PROPERTIES AFFECTED BY CONSTRUCTION SHALL BE PAID ONLY ONCE PER ACCESS. IF THE MATERIAL IS REMOVED DURING SUBSEQUENT CONSTRUCTION OPERATIONS, IT SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. THIS WORK IS INCLUDED IN THE MAINTENANCE OF TRAFFIC PAY ITEM AND MAY BE INCREASED, DECREASED OR OMITTED AS DIRECTED BY THE CITY.
- LARGE CHUNKS OF EXCAVATED MATERIAL SHALL BE REPLACED WITH SUITABLE MATERIAL OR PROCESSED TO MAKE THEM SUITABLE FOR BACKFILLING OR EMBANKMENT CONSTRUCTION. COST TO BE INCLUDED IN RELATED BID ITEMS.
- CLEARING AND GRUBBING, GRADING AND OTHER INCIDENTAL WORK NECESSARY FOR HARMONIZATION OUTSIDE R/W SHALL BE INCLUDED IN RELATED BID ITEMS (STRUCTURAL ASPHALT, SOB, CONCRETE, BRICKS, ETC.)
- THE CONTRACTOR SHALL PERFORM SELECTIVE CLEARING AND GRUBBING FOR THE WORK BEING DONE. THIS SHALL INCLUDE ALL LANDSCAPE AND SIDEWALK, COST TO BE INCLUDED IN 110-1-1, CLEARING AND GRUBBING.
- SAW CUTTING OF THE EXISTING SIDEWALKS SHALL BE MADE ONLY AT THE NEAREST FLAG JOINTS.
- INSTALLATIONS OF NEW PULL BOXES SHALL BE PERFORMED BY QUALIFIED ELECTRICAL CONTRACTOR. WHEN NEW PULL BOX IS REPLACING EXISTING PULL BOX, THE CONTRACTOR SHALL ADJUST CONDUITS AND CABLES TO FIT THE NEW PULL BOX ELEVATION. COST OF ADJUSTMENTS AND NEW PULL BOXES IS INCIDENTAL TO TOTAL PROJECT COST.
- ALL SIDEWALKS, DRIVEWAYS AND SWALES DAMAGED BY THE CONTRACTOR SHALL BE RESTORED IN KIND AT NO ADDITIONAL COST.
- THE WORK DONE UNDER THIS PROJECT SHALL CONFORM TO THE CURRENT EDITION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS (2010) AND THE CITY OF MIAMI PUBLIC WORKS DEPARTMENT.
- CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO COMMENCING CONSTRUCTION, INCLUDING, BUT NOT LIMITED TO, CITY OF MIAMI PUBLIC WORKS PERMITS FOR PAVING, EXCAVATION, MAINTENANCE OF TRAFFIC, STREET CLOSURE, DEWATERING, AND TREE PERMITS FOR ANY REMOVAL, TRIMMING, AND ROOT PRUNING OF EXISTING TREES.
- THE PROJECT AREA IS WITHIN A CITY OF MIAMI ARCHAEOLOGICAL ZONE. ALL GROUND-DISTURBING ACTIVITY BELOW THE ASPHALT WILL REQUIRE MONITORING BY AN ARCHEOLOGIST WHO WILL DOCUMENT ANY ARTIFACTS OR FEATURES THAT MAY BE UNCOVERED. THE CONTRACTOR WILL BE REQUIRED TO RESPOND TO THE MONITORING ARCHEOLOGIST TO ALLOW FOR REQUIRED DOCUMENTATION IF SIGNIFICANT CULTURAL DEPOSITS ARE ENCOUNTERED. IT IS NOT ANTICIPATED THAT WORK PROGRESS OR SCHEDULES WILL BE SIGNIFICANTLY AFFECTED BY THIS REQUIREMENT EXCEPT IN THE UNLIKELY EVENT THAT HUMAN REMAINS ARE UNCOVERED.
- ALL MANHOLES MUST COMPLY WITH THE CITY OF MIAMI REQUIREMENTS. (EVERY MANHOLE TOP MUST BE WITH THE CITY OF MIAMI LOGO).

UTILITIES NOTES:

- FOR UTILITY ADJUSTMENT SYMBOLS, SEE FDOT STANDARD INDEX No. 002.
- ALL EXISTING UTILITIES ARE TO REMAIN UNLESS OTHERWISE NOTED. ABANDONED INLET GRATES AND MANHOLE TOPS SHALL BE DELIVERED TO PUBLIC WORKS OPERATIONS BY THE CONTRACTOR. EXERCISE EXTREME CAUTION DURING EXCAVATION AND INSTALLATION OF PROPOSED DRAINAGE.
- PRE-TRENCHING IN THE ALIGNMENT AND GRADE OF PROPOSED PIPES STRUCTURES, FRENCH DRAINS, SLAB COVERED TRENCHES, CONDUITS, POLE FOUNDATIONS AND/OR SUB-GRADE SHALL BE PERFORMED SEVEN DAYS IN ADVANCE OF ITS CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE UNDERGROUND UTILITY OWNERS AND CITY OF MIAMI PROJECT MANAGER A SEVEN DAYS ADVANCE NOTICE OF ANY CONFLICT WITH PROPOSED CONSTRUCTION. THIS NOTIFICATION SHALL PROVIDE SURVEY INFORMATION ABOUT EXISTING UTILITY ALIGNMENT, GRADE AND POSSIBLE CONFLICTS. PAYMENT FOR PRE-TRENCHING, SURVEY AND BACKFILLING SHALL BE INCLUDED IN THE COST OF THE RELATED BID ITEM FOR THE WORK BEING DONE.
- CONTRACTOR TO EXERCISE EXTREME CAUTION DURING EXCAVATION AND INSTALLATION OF PROPOSED DRAINAGE STRUCTURES AND TRENCH. ADJUSTMENT TO EXIST. VALVE BOXES AND MANHOLES TOPS TO FINISHED GRADE SHALL BE INCLUDED IN THE COST OF THE RELATED BID ITEM FOR THE WORK BEING DONE.
- ALL NEW OR RELOCATED STRUCTURES, INCLUDING BUT NOT LIMITED TO DRAINAGE STRUCTURES, LIGHTING AND TRAFFIC SIGNAL POLES, GUARDRAILS, AND PILES OR OTHER FOUNDATIONS, SHOULD BE INSTALLED WITH A MINIMUM HORIZONTAL SEPARATION OF 3 FT. (OUTER FACE TO OUTER FACE) FROM ANY MD-WASD UTILITY. IF HORIZONTAL SEPARATION CANNOT BE MAINTAINED, AN ALTERNATIVE MEANS OF PROTECTING THE UTILITY SHALL BE IMPLEMENTED. EXPOSED UTILITIES SHALL BE PROTECTED AT ALL TIMES.
- ALL NEW OR RELOCATED STORM SEWER THAT MUST CROSS, OR RUN PARALLEL, TO AN EXISTING MD-WASD WATER MAIN SHALL MEET ALL APPLICABLE REQUIREMENTS SET FORTH IN F.A.C. RULE 62-555.314

UTILITIES NOTES:

7. UTILITY OWNERS:

FDOT DISTRICT 6	THOMAS MILLER	305-491-4391
COMCAST CABLE	LEONARD MAXWELL-NEUBOLD	954-447-8405
MIAMI-DADE COUNTY PUBLIC WORKS	AURELIO DEL VALLE	305-592-8925 EXT.258
FLORIDA POWER AND LIGHT-DADE	KAREN LUND	305-442-5290
MIAMI-DADE WATER AND SEWER	PATRICK CHONG	786-268-5255
ATT/DISTRIBUTION	RICHARD RENFROW	305-260-8243
FLORIDA POWER AND LIGHT-FIBERNET	DANNY MASKETT	305-552-2931
LEVEL 3 COMMUNICATIONS	JUDY HENRY	720-888-2061
MIAMI DADE ETSO	AUGUSTO MALAVE	305-275-7948
MCI	INVESTIGATIONS	972-729-6016
QUEST COMMUNICATIONS	MIKE FITZGERALD	941-661-7557
TECO PEOPLES GAS	ALEX ROCHE	954-453-0811
TIME WARNER TELECOM	WILLIE ZAUHERY	954-761-2730

- UNDERGROUND UTILITY PAINT SHALL BELOW IMPACT IN CONFORMANCE WITH FLORIDA STATUTES. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL UTILITY MARKINGS ONES THE WORK IS COMPLETED. THE 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 THE PANEL OR SECTION NEEDS TO BE BLASTED TO SHOW UNIFORM COLOR THROUGHOUT THAT SAME PANEL SECTION. IN ANY CASE (ASPHALT OR CONCRETE SURFACE) THE METHOD NEEDS TO BE SUCH THAT A SLICK SURFACE IS NOT LEFT BEHIND. FINAL PAVEMENT TO THE CONTRACTOR MAY BE WITHHELD UNTIL UTILITY MARKS ARE PROPERLY REMOVED.

DRAINAGE NOTES:

- EXISTING STORM SEWERS (PIPES, FRENCH DRAINS, INLETS, MANHOLES AND/OR SLAB COVERED TRENCHES) TO BE ABANDONED IN PLACE SHALL BE FILLED WITH FLOWABLE FILL (UNLESS OTHERWISE NOTED) IF NOT IN CONFLICT WITH PROPOSED CONSTRUCTION. PLUG OPEN ENDS WHERE NEEDED WITH MISCELLANEOUS CONCRETE. COST TO BE INCLUDED IN PAY ITEM 110-1-1 CLEARING & GRUBBING, UNLESS OTHERWISE STATED ON PLANS.
- EXISTING STORM SEWERS (PIPES, FRENCH DRAINS AND/OR SLAB COVERED TRENCHES) SHOWN TO BE IN CONFLICT WITH PROPOSED CONSTRUCTION SHALL BE REMOVED. COST OF REMOVAL, DISPOSAL, BACKFILLING AND COMPACTING SHALL BE INCLUDED IN ITEM FDOT 110-1-1 CLEARING AND GRUBBING AS PER FDOT 110-6 OF STANDARD SPECIFICATIONS.
- THERE SHALL BE NO MORE THAN THREE LATERAL DRAINAGE INSTALLATIONS WITHOUT BACKFILLING. BACKFILLING OF LATERAL DRAINAGE SHALL NOT LAG MORE THAN 24 HOURS BEHIND THE START OF EXCAVATION.
- ELEVATIONS AND OFFSETS FOR CURB INLETS ARE GIVEN AT THE EDGE OF PAVEMENT AND FOR DITCH BOTTOM INLETS AT THE CENTER OF THE STRUCTURE
- FOR PROPOSED STORM SEWER STRUCTURES REFER TO CITY OF MIAMI STANDARDS INDEX 35-86-1 TO 35-86-45 AND THE FDOT DESIGN STANDARDS AT TIME OF ADVERTISEMENT
- FOR PROPOSED EXFILTRATION TRENCHES REFER TO CITY OF MIAMI STANDARDS INDEX 35-86-26
- PROPOSED STORM SEWER PIPE SHALL BE CLASS III RCP OR APPROVED EQUAL. IF ALTERNATIVE PIPE MATERIALS ARE APPROVED FOR THIS PROJECT, COMPLIANCE WITH FDOT ROAD AND BRIDGE CONSTRUCTION SPECIFICATION SECTIONS 948 AND 430 SHALL BE REQUIRED. THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH THE INSPECTION STANDARDS IN FDOT SECTION 430-41
- ALL GRATES SHALL BE HINGED OR OTHERWISE SECURED TO AVOID THEFT.
- ALL MANHOLE LIDS SHALL BE CAST WITH THE CITY OF MIAMI LOGO.
- DESALT ALL EXIST PIPES TO REMAIN WITHIN THE PROJECT LIMITS THAT WILL BE CONNECTED TO THE NEW DRAINAGE STRUCTURES.

SIGNING AND PAVEMENT MARKING NOTES:

- ALL SIGNING AND PAVEMENT MARKINGS INSTALLED AS PART OF THESE PLANS SHALL CONFORM TO THE CURRENT EDITION OF THE FEDERAL HIGHWAY ADMINISTRATION (FHWA) MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES 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.
- MATCH EXISTING PAVEMENT MARKINGS AT THE BEGINNING AND THE END OF THE PROJECT AND AT ALL SIDE STREETS WITHOUT JOGS AND OFFSETS.
- SIGN ASSEMBLY LOCATIONS SHOWN ON PLANS WHICH ARE IN CONFLICT WITH LIGHTING, UTILITIES, DRIVEWAYS, WHEELCHAIR RAMPS, ETC., MAY BE ADJUSTED SLIGHTLY AS DIRECTED BY THE ENGINEER. EXTREME LOCATION CHANGES MUST BE APPROVED BY MIAMI-DADE COUNTY TRAFFIC DIVISION.
- INCORRECTLY PLACED (THERMOPLASTIC OR) PAINT MARKINGS OVER ASPHALT WILL BE REMOVED BY MILLING AND REPLACING THE ASPHALT A MINIMUM WIDTH OF 0.5 METERS (18 IN) AT THE CONTRACTOR'S EXPENSE. THE ENGINEER MAY APPROVE AN ALTERNATIVE METHOD IF IT CAN BE DEMONSTRATED TO COMPLETELY REMOVE THE MARKINGS WITHOUT DAMAGING THE ASPHALT.
- THE CONTRACTOR SHALL RELOCATE ALL EXISTING POST-MOUNTED STREET NAME AND STOP SIGNS TO A VISIBLE AREA UNDISTURBED BY THE CONSTRUCTION SO AS TO MINIMIZE DAMAGE TO THE SIGNS DURING CONSTRUCTION. THE STREET NAME SHALL BE REATTACHED TO THE TOP OF THE NEW STOP SIGNS ON MINOR SIDE STREETS AT THE END OF CONSTRUCTION. THE NEW STOP SIGN POST SHALL HAVE ADEQUATE LENGTH TO ACCOMMODATE THE EXISTING STREET NAMES AT THE TOP. COST OF RELOCATION AND REATTACHMENT OF STREET NAME SIGN SHALL BE PAID FOR UNDER PAY ITEM 102-1, MAINTENANCE OF TRAFFIC.
- EXTRUDED ALUMINUM SIGN SUPPORT CLAMPS ARE NOT ACCEPTABLE. ALL RELOCATED SIGNS MUST COMPLY WITH THE STANDARD SPECIFICATIONS, SPECIAL PROVISIONS AND ROADWAY DESIGN AND TRAFFIC STANDARDS AS IF THEY WERE NEW SIGNS. IF EXISTING CLAMPS, BRACKETS, POLES, ETC. NEED TO BE REPLACED THE COST SHALL BE INCIDENTAL TO THE TOTAL PROJECT COST.

- THE CONTRACTOR SHALL SUBMIT A LIST OF THE EXISTING SIGNS TO THE PROJECT ENGINEER AT THE PRE-CONSTRUCTION CONFERENCE. ANY SIGNS LOST OR DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AT NO ADDITIONAL COST. COST OF MAINTAINING OF EXISTING SIGNS TO BE INCLUDED IN ITEM 102-1, MAINTENANCE OF TRAFFIC.
- STOP BARS SHALL BE PLACED AT LEAST FIVE FEET FROM CROSSWALKS IF TRAFFIC SIGNAL LOOPS ARE INSTALLED.
- THE CONTRACTOR SHALL PROVIDE PERMANENT FIVE FOOT DEEP CASING FOR DRILLED SHAFTS. COST OF CASING TO BE INCLUDED IN THE SIGNS PAY ITEM.

MIAMI-DADE COUNTY TRAFFIC SIGNALS & SIGNS DIVISION
7100 N.W. 36TH STREET
MIAMI, FLORIDA 33166

RECEIPTS MUST BE OBTAINED FROM THE ABOVE AGENCY AND SUBMITTED TO THE PROJECT ENGINEER TO RECEIVE PAYMENT FOR REMOVAL ITEMS.
- TEMPORARY PAINT STRIPING SHALL BE PAID FOR UNDER THE ASSOCIATED THERMOPLASTIC PAY ITEM.
- CONTRACTOR SHALL WAIT A MINIMUM OF 14 DAYS BEFORE APPLYING FINAL THERMOPLASTIC STRIPING.

ABBREVIATIONS

A	Arc Length
A/C	Air Conditioner Pad
ASPH	Asphalt
B.M.	Benchmark
C.B.S.	Concrete Block Structure
C.G.	Curb & Gutter
COL	Column
C	Center Line
B	Base Line
CONC	Concrete
CS	Concrete Slab
DWY	Driveway
D.P.C.	Depressed Curb
E.T.P.	Electric Transformer Pad
F.F.E.	Finished Floor Elevation
F.I.P.	Found Iron Pipe
F.N.D.	Found Nail & Disc
F.R.	Found Rebar
I.D.	Identification
INV.	Inverts
L.F.E.	Lowest Floor Elevation
M.A.	Monument Line
P.B.	Plot Book
P.C.P.	Permanent Control Point
P.C.	Page
PL	Planter
P/L	Property Line
P.R.M.	Permanent Reference Monument
R/W	Right-of-Way Line
SWK	Sidewalk
T.B.M.	Temporary Benchmark
V.G.	Valley Gutter

TREE LEGEND

SYMBOL	COMMON NAME
●	Tree (Species unknown)
○	Gumbo Limbo
⊙	Black Olive
★	Palm Tree
⊙	Black Olive
○	Oak Tree
★	Pine Tree
⊙	Cocanut Palm
⊙	Royal Poinciana
○	Ficus
★	Areca
⊙	Avocado Tree
⊙	Mango Tree
⊙	Trumpet Tree

LEGEND

CLP	Concrete Light Pole	15'-15'-10"	Diameter-Height-Spread
MLP	Metal Light Pole		Right-of-Way Lines
CW	Cuy Wire	○	Property Corner
UPP	Utility Power Pole	Y	Traffic Sign
FR	Fire Hydrant	⊙	Existing Catch Basin
WM	Water Meter	⊙	New Catch Basin
EB	Electric Box	⊙	Existing Drainage Manhole
TB	Telephone Box	⊙	New Drainage Manhole
SM	Sewer Manhole	⊙	Wood Fence
OU	Overhead Utility Lines	---	Iron Fence
LP	Light Pole	---	C.B.S. Wall
GV	Gas Valve	○	Clean Out
WV	Water Valve	○	Guard Pole
WMH	Water Manhole	⊙	Chain Link Fence
TMH	Telephone Manhole	---	Proposed Storm Pipe
MW	Monitoring Well	---	Proposed Exfiltration Trench
PM	Parking Meter	---	Existing French Drain
UMH	Unknown Manhole	---	Existing Sanitary Sewer
SV	Sewer Valve	---	Existing Water Main
MB	Mail Box	---	Existing Buried Telephone
SB	Spot Bench	---	Existing Buried Communications
TPB	Temporary Benchmark	---	Existing Buried Electrical

FRANCISCO J. ALONSO
LICENSE
No. 66918
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

T·Y·LIN INTERNATIONAL
201 ALHAMBRA CIRCLE SUITE 900
Coral Gables, Florida. 33134
Phone: 305 / 567-1888 Fax: 305 / 567-1771



CITY OF MIAMI
MARY BRICKELL VILLAGE
DRAINAGE AND ROADWAY IMPROVEMENTS - PHASE I
SW/SE 9th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
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SW 12th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
CITY OF MIAMI PROJECT NUMBER: B-30637

GENERAL NOTES, LEGEND AND ABBREVIATIONS

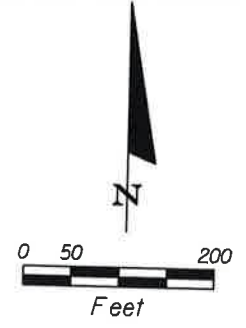
SHEET NO.
2

100% PLANS

FOR SW 1 AVENUE IMPROVEMENTS REFER TO PROJECT B-30833

BRICKELL HEIGHTS
KEVIN DUNTON
kdton@mossemail.com

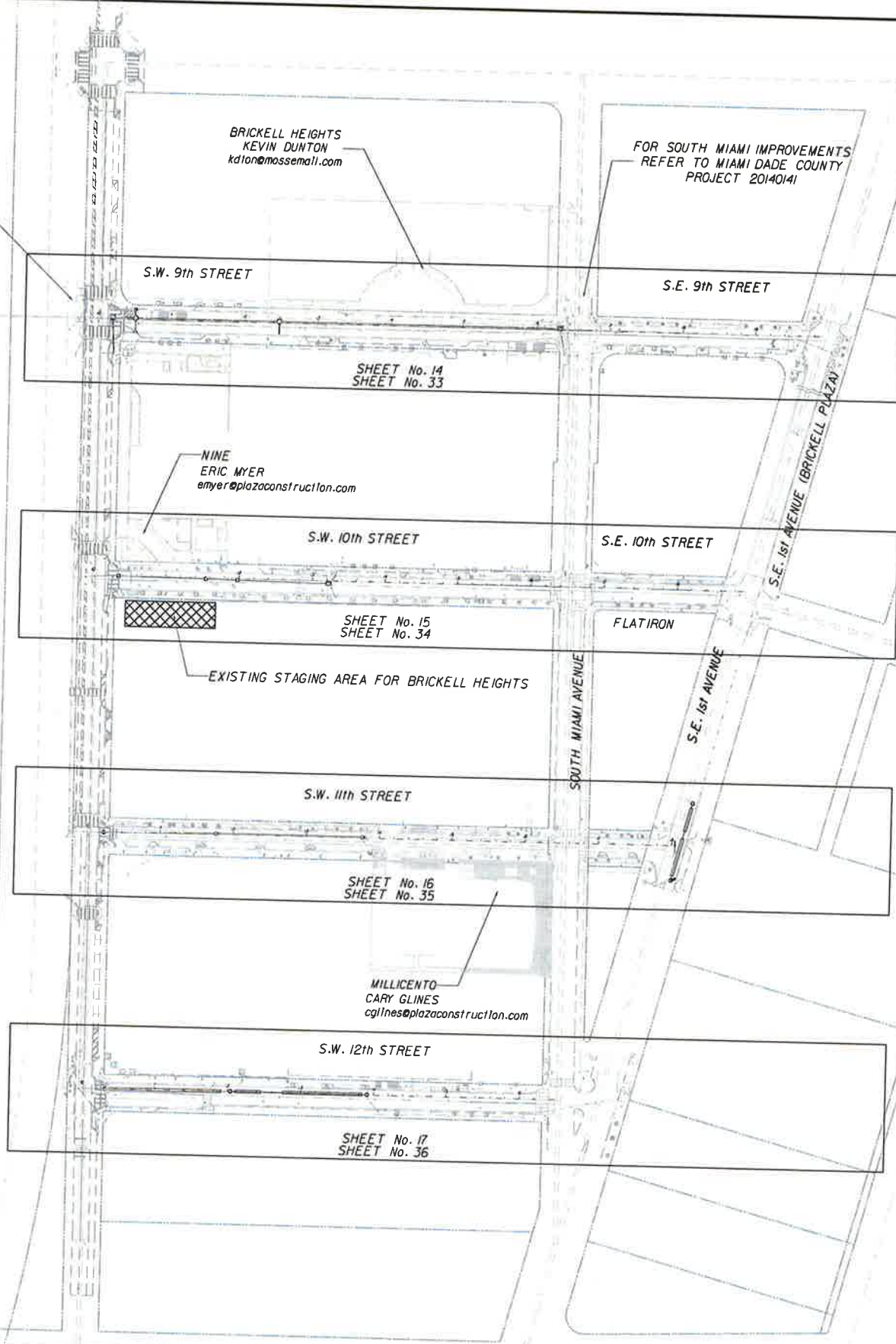
FOR SOUTH MIAMI IMPROVEMENTS
REFER TO MIAMI DADE COUNTY
PROJECT 20140141



NOTE:

- BRICKELL HEIGHTS DEVELOPMENT IS RESPONSIBLE FOR RECONSTRUCTION OF CURB & GUTTER IN FRONT OF THEIR PROPERTY ALONG SW 9th STREET ELEVATIONS ARE SHOWN AS PER DEVELOPER'S APPROVED PLANS BY THE CITY OF MIAMI.
- BRICKELL HEIGHTS DEVELOPER SHALL MATCH MIAMI DADE COUNTY'S APPROVED SIGNING & PAVING MARKING PLANS AS PER SHEET 33.

FLORIDA EAST COAST RAILWAYS



NINE
ERIC MYER
emyer@plazaconstruction.com

SHEET No. 15
SHEET No. 34

EXISTING STAGING AREA FOR BRICKELL HEIGHTS

SHEET No. 16
SHEET No. 35

MILLECENTRO
CARY GLINES
cglines@plazaconstruction.com

SHEET No. 17
SHEET No. 36

NOTE:
CONTRACTOR SHALL OBTAIN ALL PERMITS NECESSARY FOR CONSTRUCTION INCLUDING MIAMI DADE TRANSIT PERMIT.

DEVELOPERS	CONTACT PERSON	EMAIL
BRICKELL CITI CENTRE	JAMI REYES	jreyes@swireprops.com
BRICKELL HEIGHTS	KEVIN DUNTON	kdton@mossemail.com
NINE (443-474-3256)	ERIC MYER	emyer@plazaconstruction.com
MILLECENTRO	CARY GLINES	cglines@plazaconstruction.com
1080 BRICKELL (BOND)	JOHN DIPAULA	jdipaulla@coastalconstruction.com
SLS	RANDY NEHLEN	mehlen@jmar.net
BRICKELL FLAT IRON	ALBERTO A. NORA, P.E.	amora@shiskin.com

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

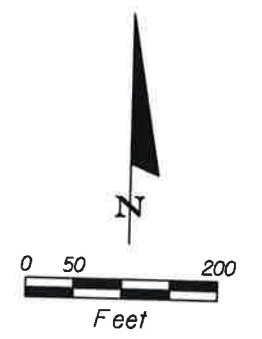
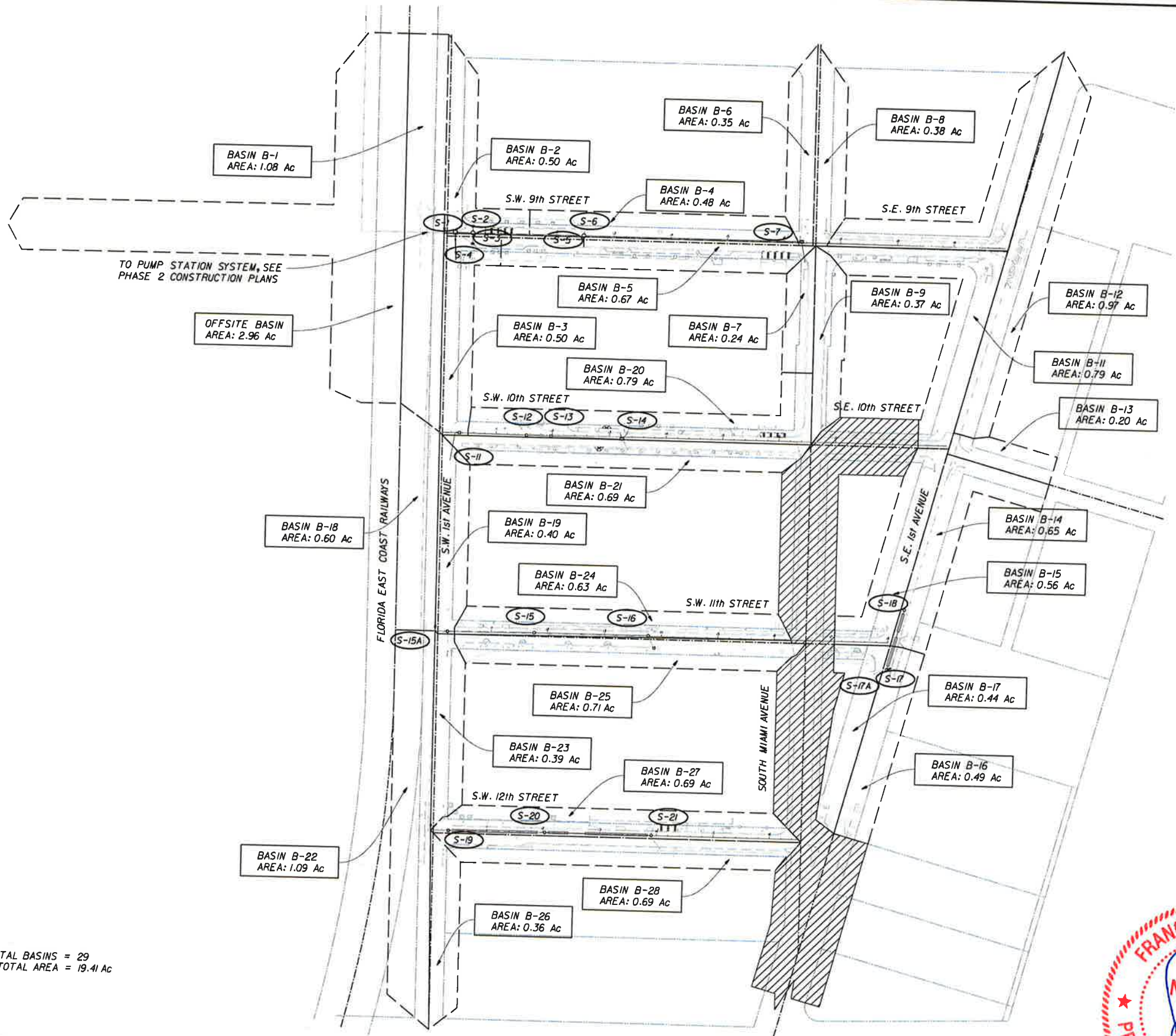
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CITY OF MIAMI PROJECT NUMBER: B-30637



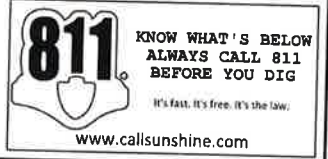
SHEET NO.
3



TO PUMP STATION SYSTEM, SEE PHASE 2 CONSTRUCTION PLANS

TOTAL BASINS = 29
TOTAL AREA = 19.41 Ac

LEGEND
 CONTRIBUTING BASIN FOR SOUTH MIAMI AVENUE DRAINAGE PROJECT - MDCPW
 DRAINAGE STRUCTURE NUMBER



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

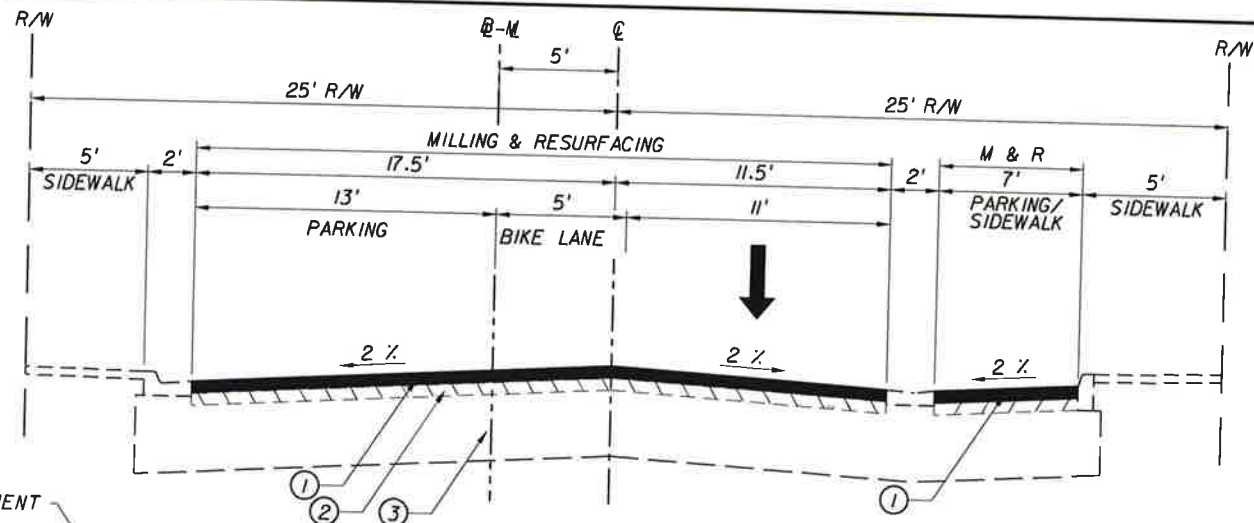
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CITY OF MIAMI
 MARY BRICKELL VILLAGE
 DRAINAGE AND ROADWAY IMPROVEMENTS - PHASE I
 SW/SE 9th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
 SW/SE 10th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
 SW/SE 11th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
 SW 12th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
 CITY OF MIAMI PROJECT NUMBER: B-30637

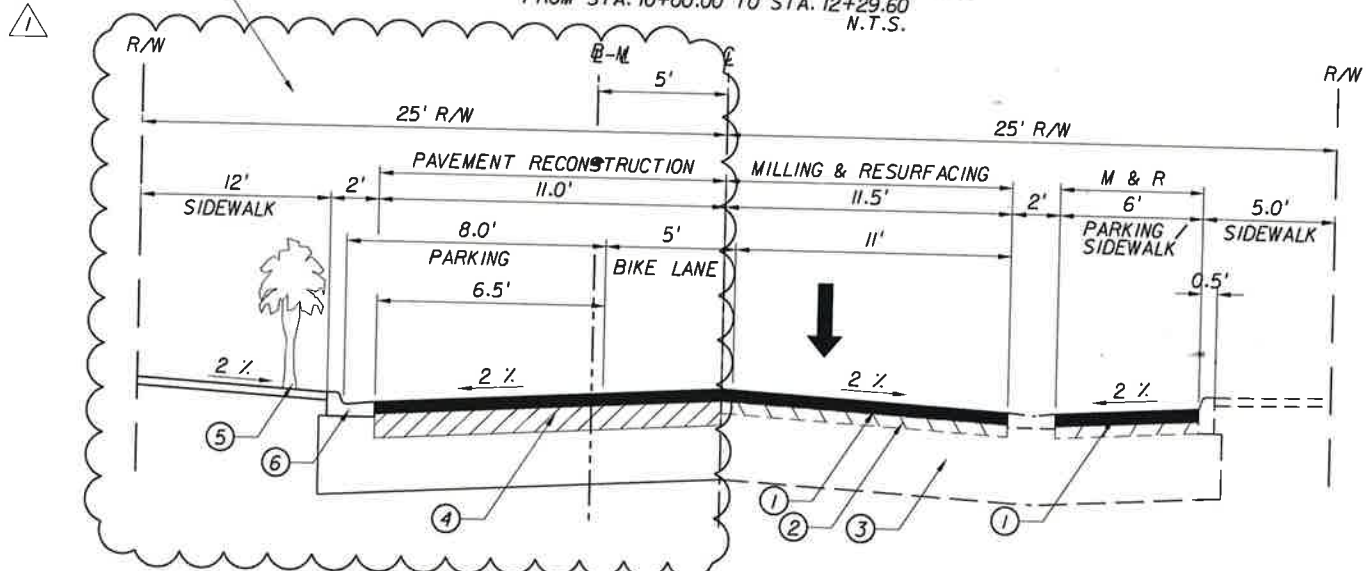
DRAINAGE MAP

SHEET NO.
4



TYPICAL SECTION S.W. 9th STREET
FROM STA. 10+00.00 TO STA. 12+29.60
N.T.S.

THE BRICKELL HEIGHTS DEVELOPMENT IS RESPONSIBLE FOR THE RECONSTRUCTION OF THIS SECTION.



TYPICAL SECTION S.W. 9th STREET
FROM STA. 12+29.60 TO STA. 16+42.85
N.T.S.

- ① PROPOSED MILLING & RESURFACING (MILL 1" AND RESURFACE WITH 1" OF SUPERPAVE ASPHALT PER DOT STANDARDS), REFER TO PLANS FOR LIMITS.
- ② EXISTING LIMEROCK BASE (8" MINIMUM THICKNESS)
- ③ EXISTING SUBGRADE.
- ④ RECONSTRUCT PAVEMENT SECTION PER CITY OF MIAMI PUBLIC WORKS STANDARD 35-85-37. REFER TO SHEET No. 17 AND No. 23.
- ⑤ REFER TO ROADWAY PLANS FOR PLANTER LOCATIONS.
- ⑥ PROPOSED CURB AND GUTTER TYPE "F", REFER TO ROADWAY PLANS FOR LOCATIONS.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
05/16/16	ROADWAY SECTION REVISION		

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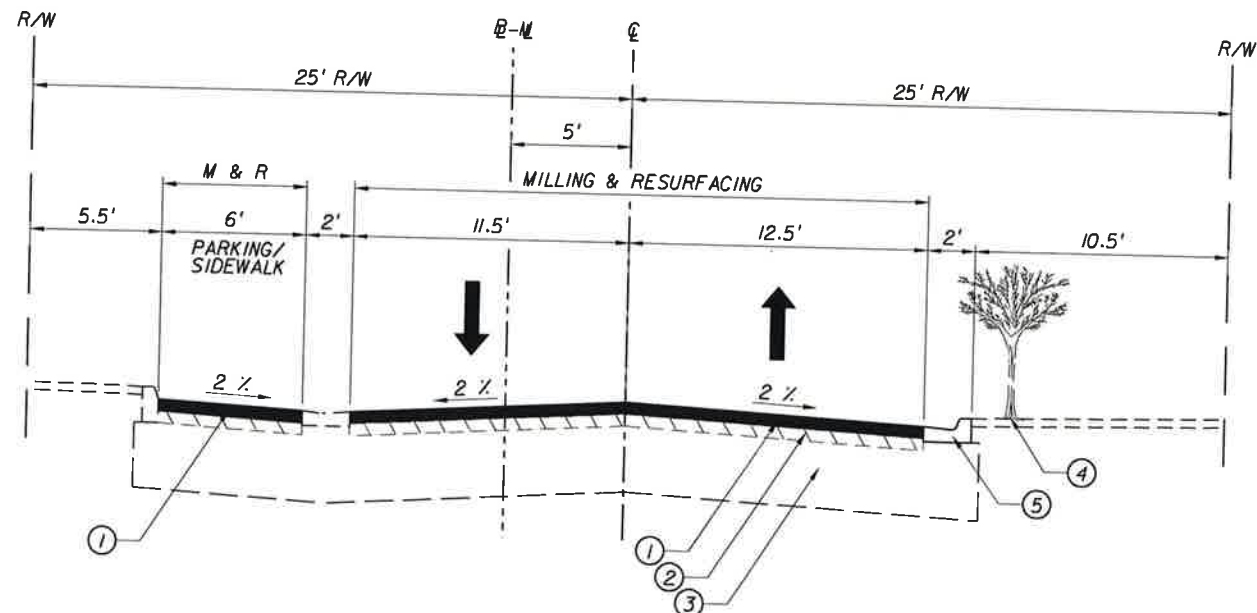


CITY OF MIAMI
MARY BRICKELL VILLAGE
DRAINAGE AND ROADWAY IMPROVEMENTS - PHASE I
SW/SE 9th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
SW/SE 10th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
SW/SE 11th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
SW 12th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
CITY OF MIAMI PROJECT NUMBER: B-30637

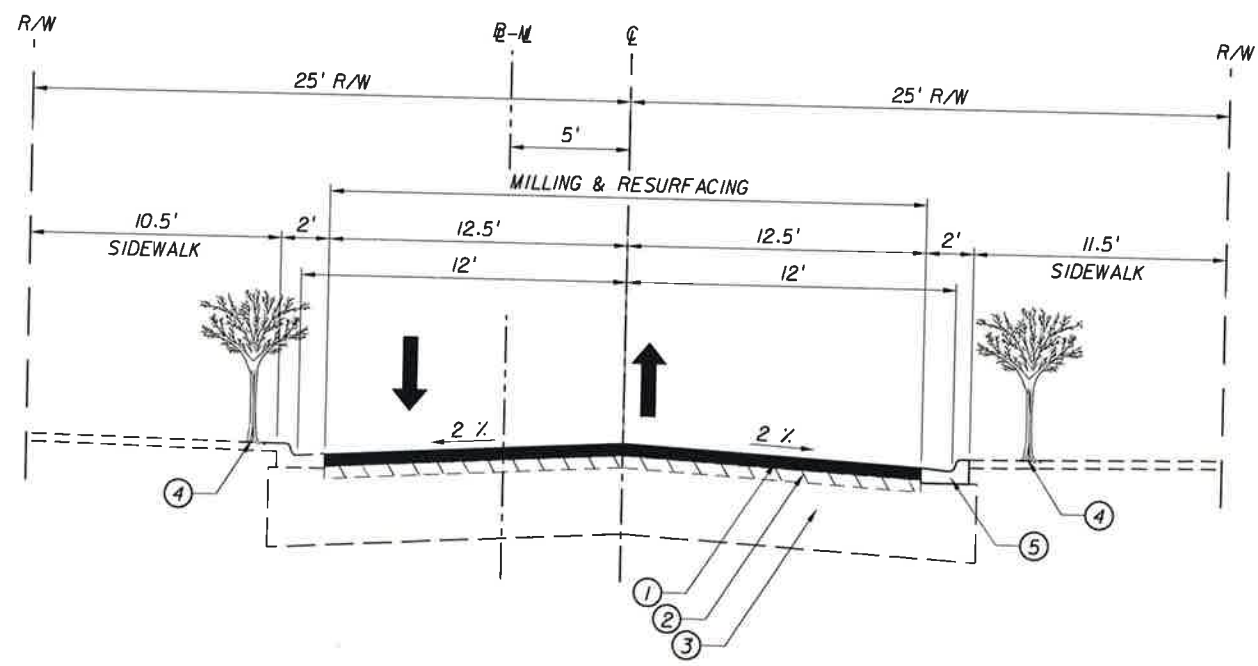
TYPICAL SECTION
S.W./S.E. 9th STREET

SHEET NO.
5

COPY PLANS



TYPICAL SECTION S.W. 10th STREET
 FROM S.W. 1st AVENUE TO SOUTH MIAMI AVENUE
 N.T.S.



TYPICAL SECTION S.E. 10th STREET
 FROM SOUTH MIAMI AVENUE TO
 S.E. 1st AVENUE (BRICKELL PLAZA)
 N.T.S.

- ① PROPOSED MILLING & RESURFACING (MILL 1" AND RESURFACING WITH 1" OF SUPERPAVE ASPHALT PER DOT STANDARDS), REFER TO PLANS FOR LIMITS.
- ② EXISTING LIMEROCK BASE (8" MINIMUM THICKNESS)
- ③ EXISTING SUBGRADE.
- ④ REFER TO ROADWAY PLANS FOR PLANTER LOCATIONS.
- ⑤ REPLACE CURB AND GUTTER TYPE "F", REFER TO ROADWAY PLANS FOR LOCATIONS.



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DATE	DESCRIPTION

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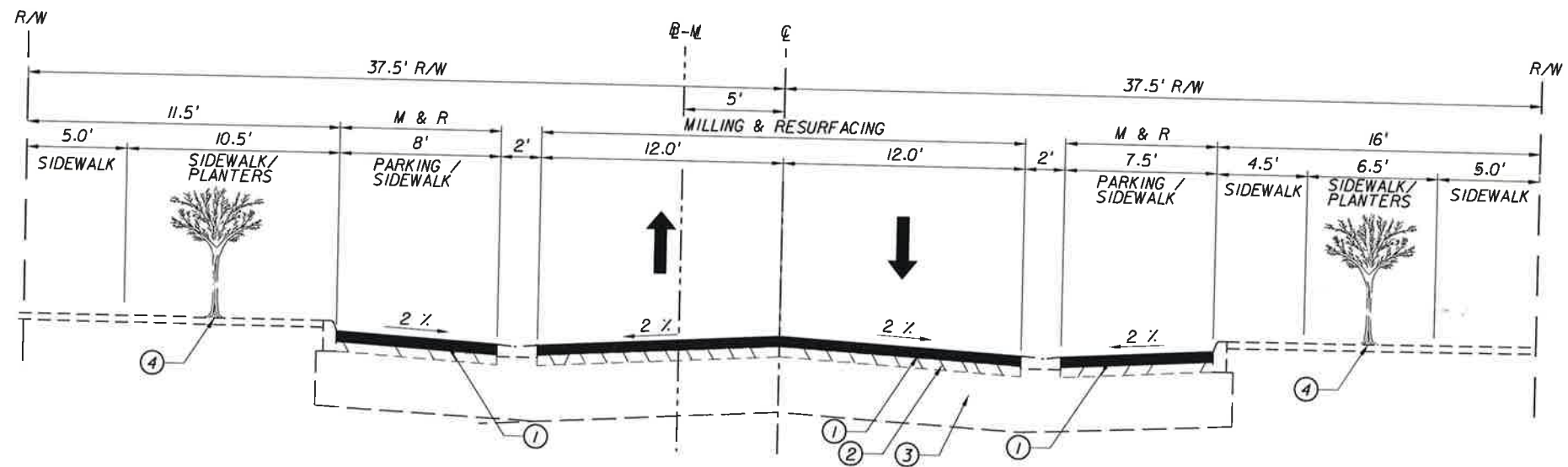


CITY OF MIAMI
 MARY BRICKELL VILLAGE
 DRAINAGE AND ROADWAY IMPROVEMENTS - PHASE I
 SW/SE 9th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
 SW/SE 10th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
 SW/SE 11th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
 SW 12th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
 CITY OF MIAMI PROJECT NUMBER: B-30637

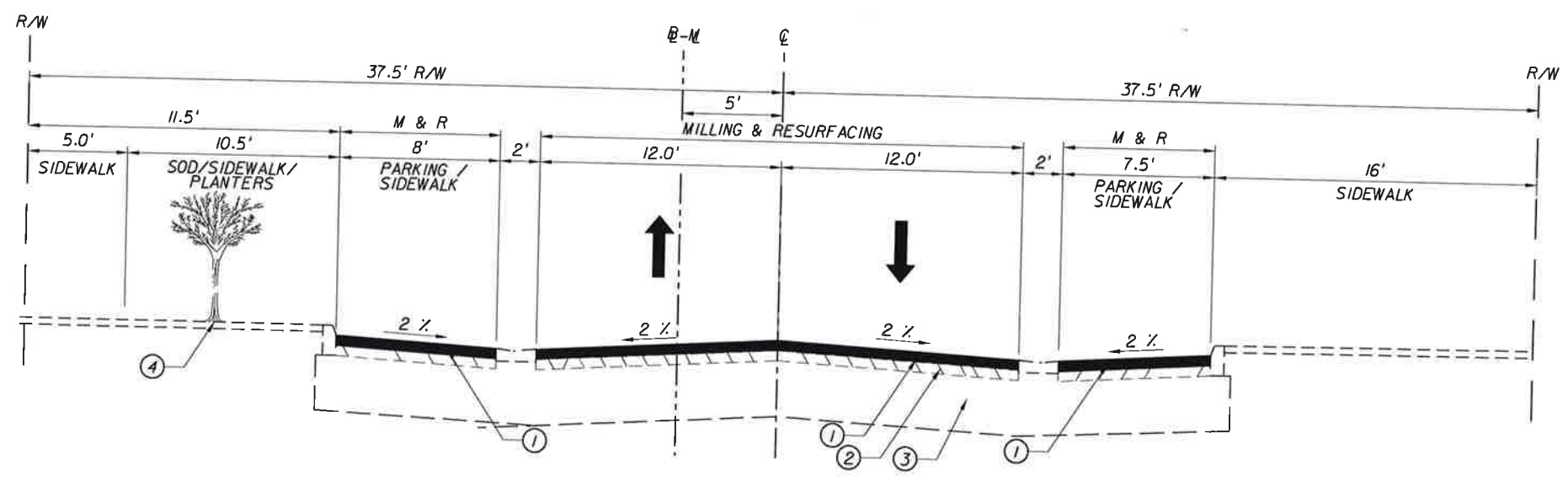
TYPICAL SECTION
S.W./S.E. 10th STREET

SHEET NO.
6

NO. 6 PLANS



TYPICAL SECTION S.E. 1ST AVENUE
 FROM 262.93' RIGHT TO 23' LEFT OF SW 9TH STREET
 N.T.S.



TYPICAL SECTION S.E. 1ST AVENUE
 FROM 59.60' RIGHT TO 65.50' LEFT OF SW 11TH STREET
 N.T.S.

- ① PROPOSED MILLING & RESURFACING (MILL 1" AND RESURFACING WITH 1" OF SUPERPAVE ASPHALT PER DOT STANDARDS), REFER TO PLANS FOR LIMITS.
- ② EXISTING LIMEROCK BASE (8" MINIMUM THICKNESS)
- ③ EXISTING SUBGRADE.
- ④ EXISTING PLANTER LOCATIONS



REVISIONS			
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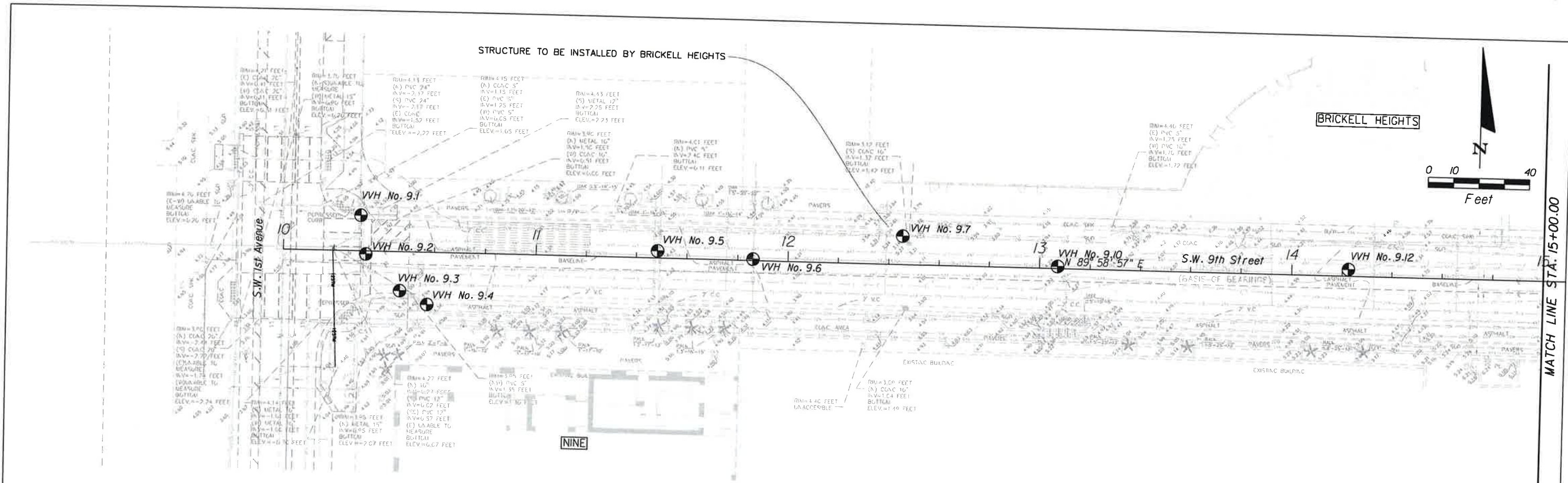


CITY OF MIAMI
 MARY BRICKELL VILLAGE
 DRAINAGE AND ROADWAY IMPROVEMENTS - PHASE I
 SW/SE 9th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
 SW/SE 10th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
 SW/SE 11th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
 SW 12th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
 CITY OF MIAMI PROJECT NUMBER: B-30637

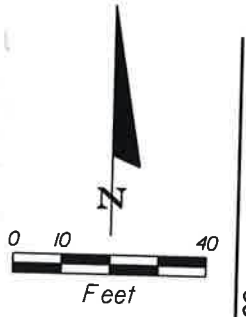
TYPICAL SECTION S.E. 1st AVENUE (BRICKELL PLAZA)

SHEET NO.
8

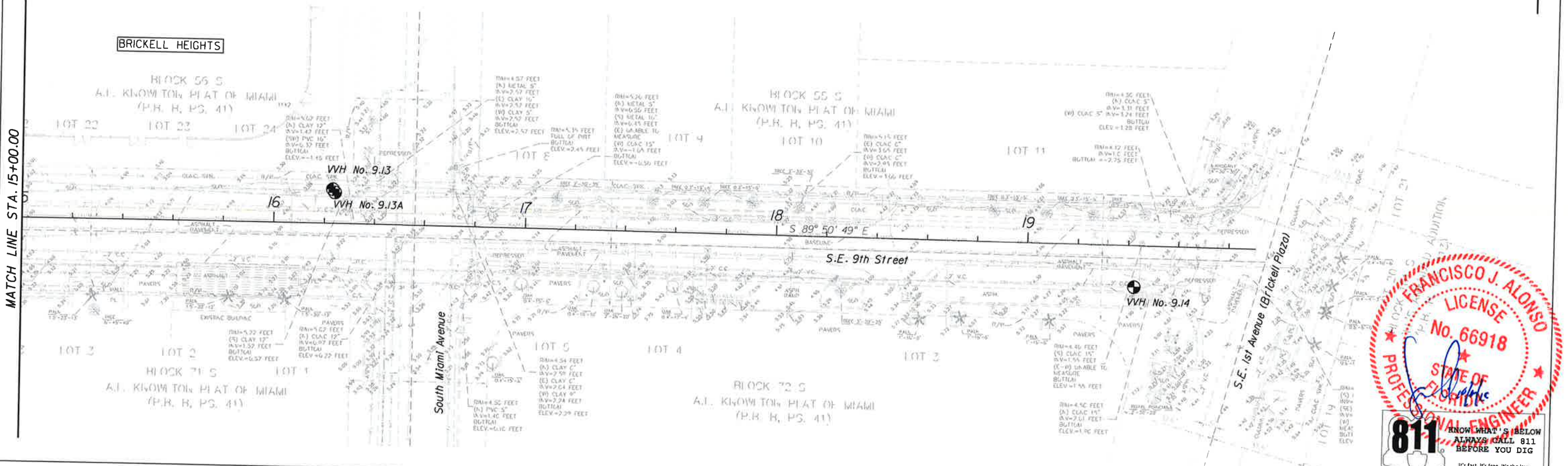
100% PLANS



BRICKELL HEIGHTS



MATCH LINE STA. 15+00.00



BRICKELL HEIGHTS



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

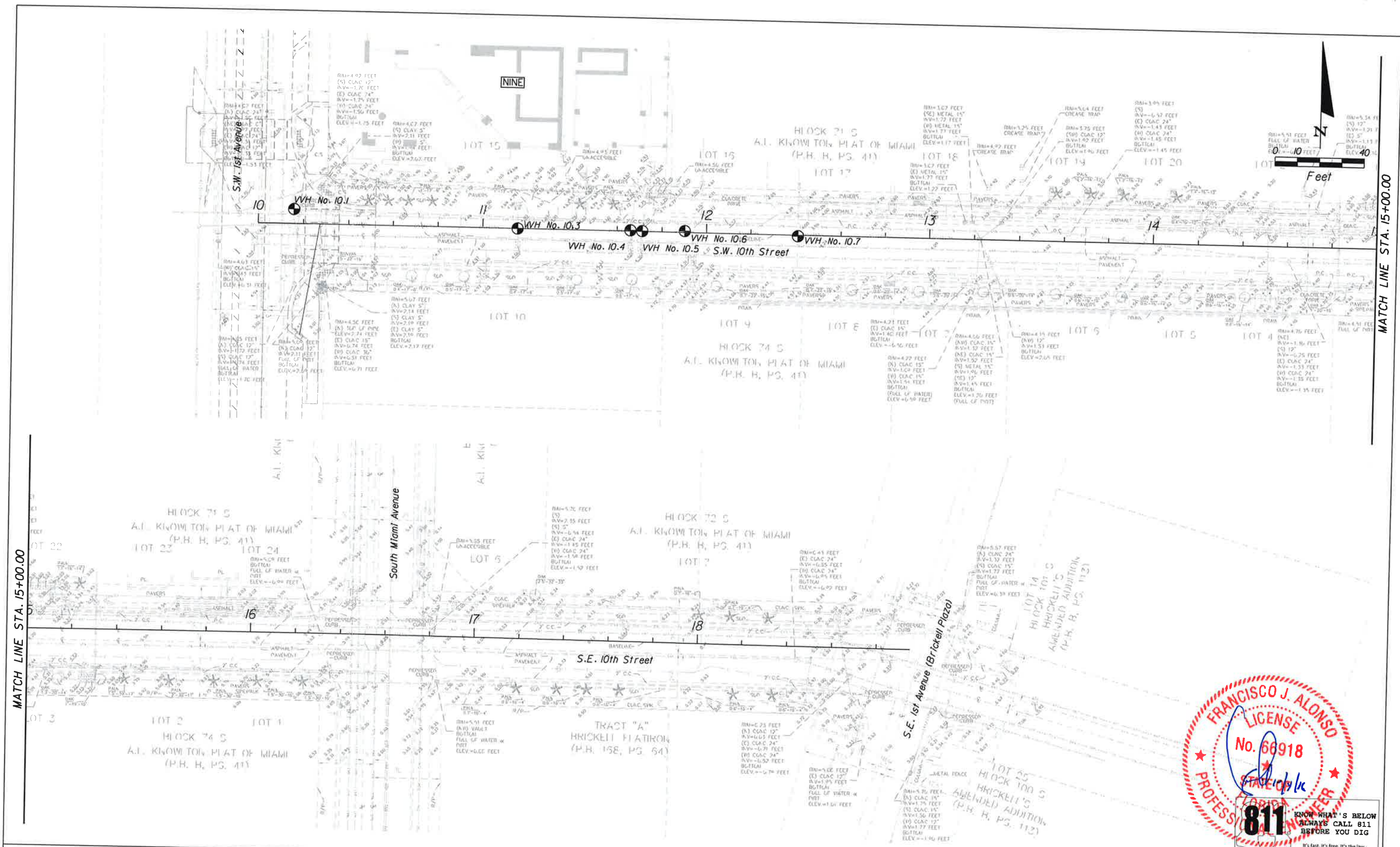
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CITY OF MIAMI
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 DRAINAGE AND ROADWAY IMPROVEMENTS - PHASE I
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 SW/SE 11th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
 SW 12th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
 CITY OF MIAMI PROJECT NUMBER: B-30637

EXISTING CONDITIONS
 S.W./S.E. 9th STREET

SHEET NO.
10



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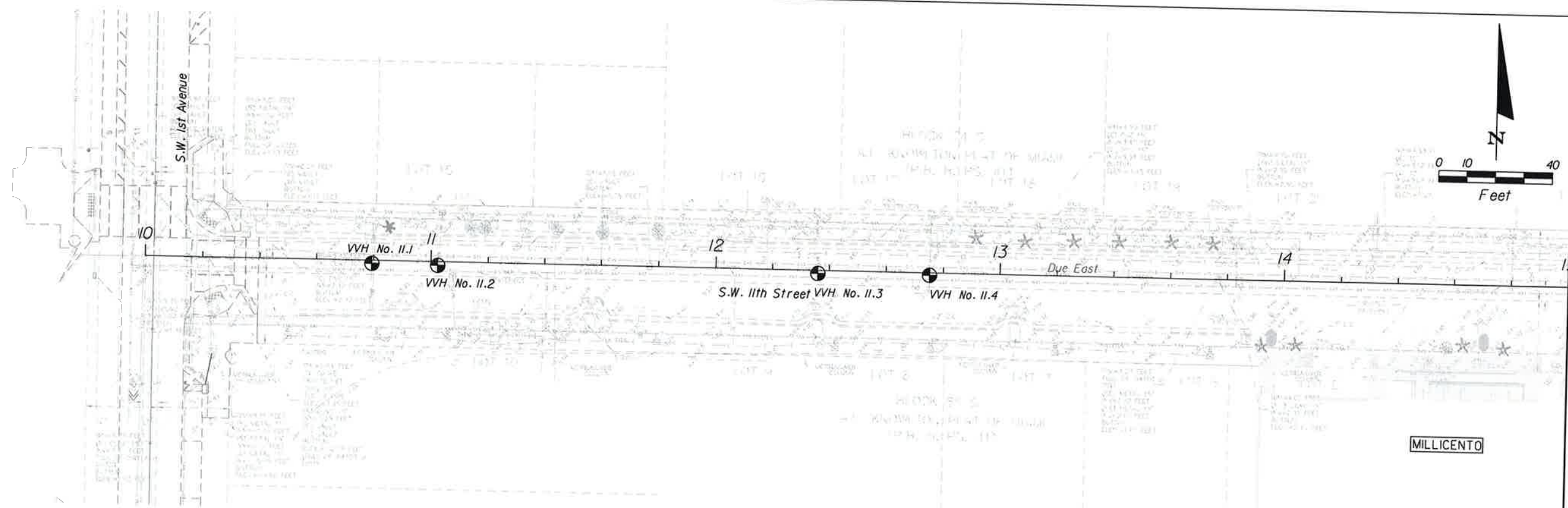


CITY OF MIAMI
 MARY BRICKELL VILLAGE
 DRAINAGE AND ROADWAY IMPROVEMENTS - PHASE I
 SW/SE 9th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
 SW/SE 10th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
 SW/SE 11th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
 SW 12th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
 CITY OF MIAMI PROJECT NUMBER: B-30637

EXISTING CONDITIONS
 S.W./S.E. 10th STREET

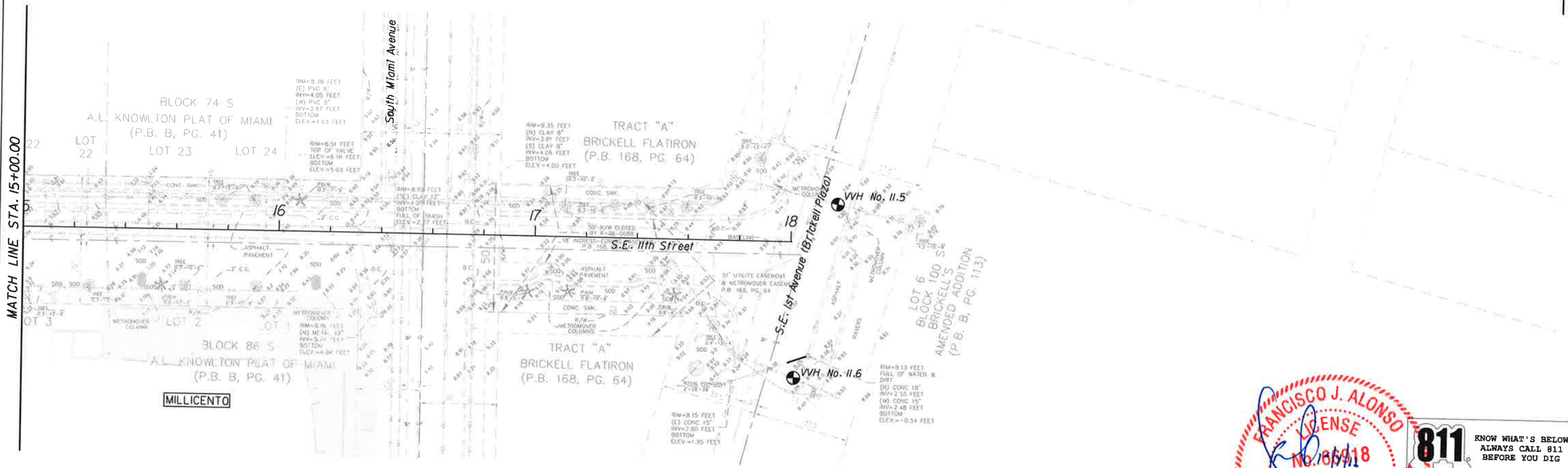
SHEET NO.	11
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100% PLANS



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MATCH LINE STA. 15+00.00



FRANCISCO J. ALONSO
LICENSE
 No. 86918
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

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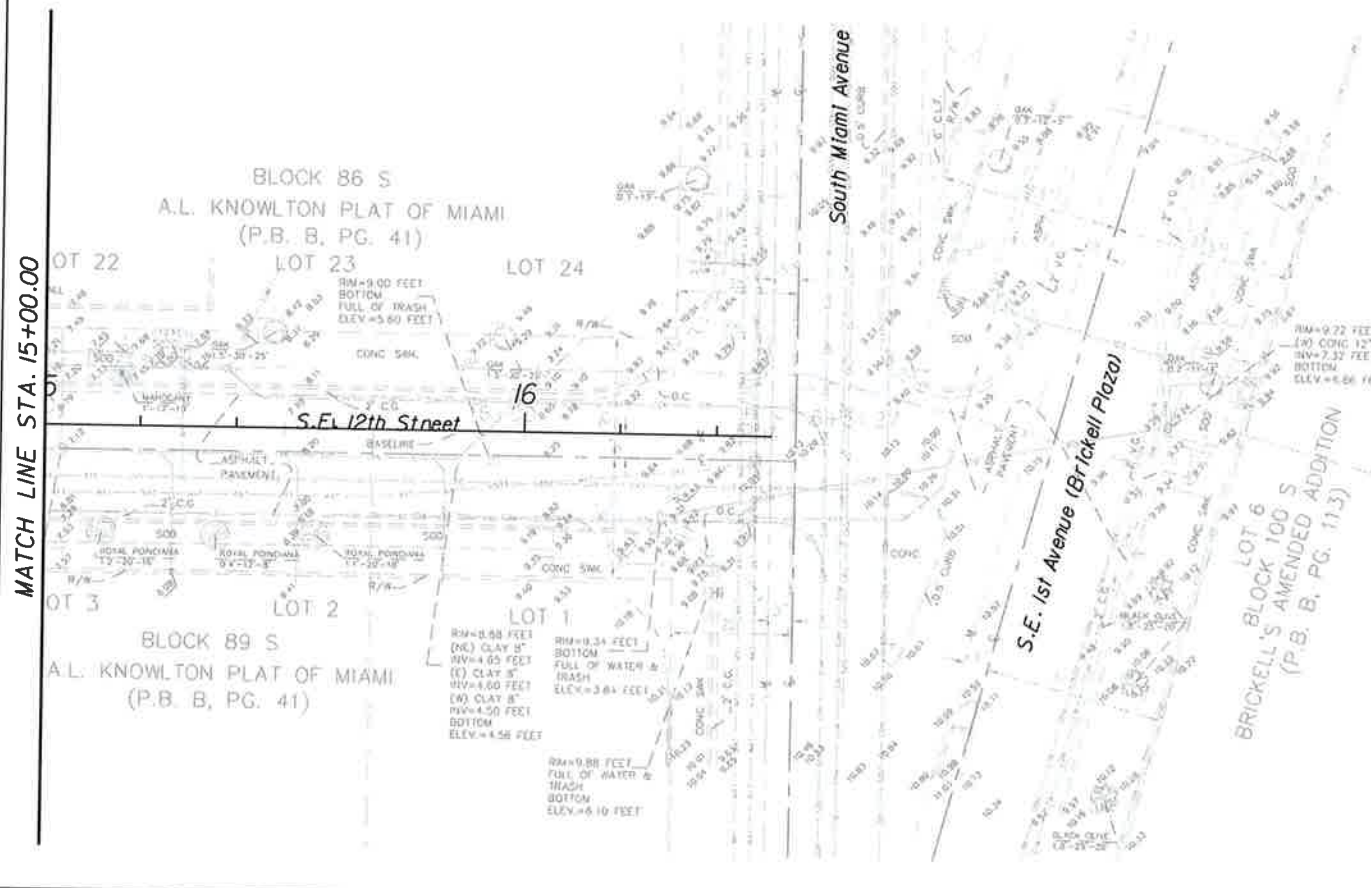
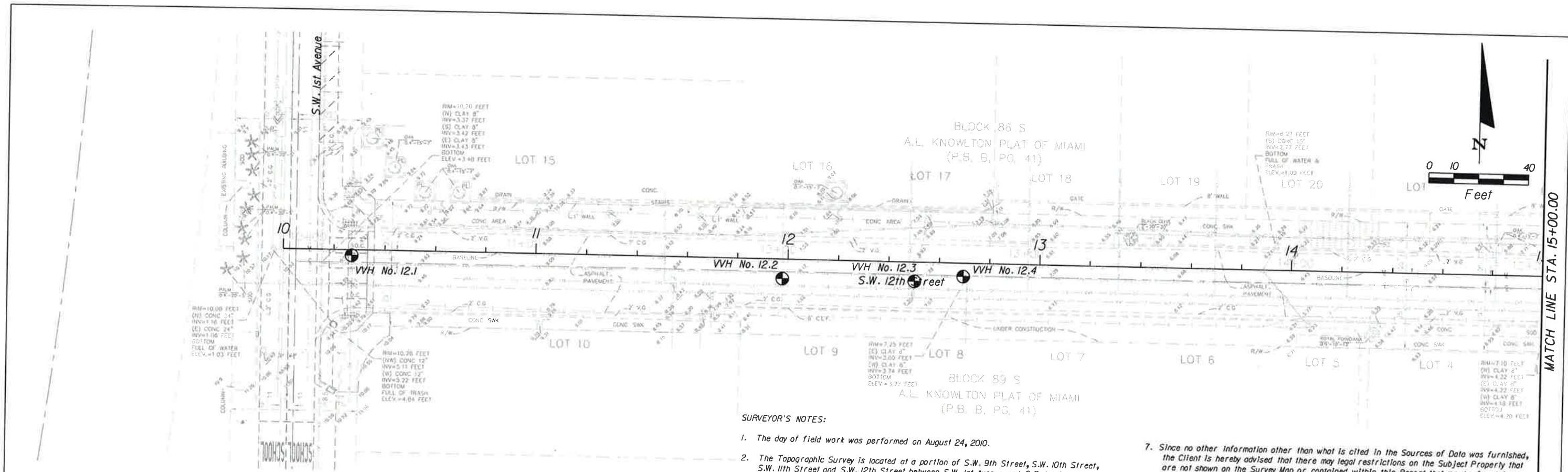


CITY OF MIAMI
 MARY BRICKELL VILLAGE
 DRAINAGE AND ROADWAY IMPROVEMENTS - PHASE I
 SW/SE 9th STREET FROM N 1st AVENUE TO SOUTH MIAMI AVENUE
 SW/SE 10th STREET FROM N 1st AVENUE TO SOUTH MIAMI AVENUE
 SW/SE 11th STREET FROM N 1st AVENUE TO SOUTH MIAMI AVENUE
 SW 12th STREET FROM N 1st AVENUE TO SOUTH MIAMI AVENUE
 CITY OF MIAMI PROJECT NUMBER: B-30637

EXISTING CONDITIONS
 S.W. 7th S.E. 11th STREET

SHEET NO.
12

100% PLANS



SURVEYOR'S NOTES:

1. The day of field work was performed on August 24, 2010.
2. The Topographic Survey is located at a portion of S.W. 9th Street, S.W. 10th Street, S.W. 11th Street and S.W. 12th Street between S.W. 1st Avenue and S.E. 1st Avenue, Section 12, Township 54 South, Range 41 East, City of Miami, lying and being in Miami-Dade County, Florida.
3. By scaled determination the streets appears to lie in Zone X and Zone AE, Base Flood Elev. 9 feet, as per Federal Emergency Management Agency (FEMA) Community-Panel Number 120650, Map No. 12086C0314, Suffix L, Revised Date: 09-11-2009.
4. An accurate Zone determination should be made by the preparer of the map. The Federal Emergency Management Agency, or the Local Government Agency having jurisdiction over such matters prior to any judgments being made from the Zone as noted. The referenced Federal Emergency Management Agency Map states in the notes to the user that "this map is for insurance purposes only".

AS TO VERTICAL CONTROL:

The vertical control element of this survey was derived from the City of Miami Datum.

Benchmark used:
City of Miami benchmarks:

Elevation: 9.79 feet
Location:
SE 12th Street & Brickell Plaza

Elevation: 7.61 feet
Location:
NW Intersection of SW 8th Street & South Miami Avenue.

AS TO HORIZONTAL CONTROLS:

North Arrow and bearings refers to an assumed value of N89°58'57"E along the baseline (Monument Line of City of Miami) of S.W. 9th Street, Miami, Miami-Dade County, Florida.

- Municipal Atlas City of Miami Sheets 37C, 37D, 37H and 37G.
- Plot Book B, Page 41, "A.L. KNOWLTON PLAT OF MIAMI".
- Plot Book B, Page 113, "BRICKELL'S AMENDED ADDITION".
- Plot Book 16B, Page 64, "BRICKELL FLATIRON".
- Section 12, Township 54 South, Range 41 East, Miami-Dade County, Florida.

5. The Survey depicted hereon is not intended to show the location or existence of any Wetland, Jurisdictional areas, or areas of protected species of vegetation either natural or cultivated.
6. Any use of this Survey for purposes other than which it was intended, without written verification, will be at the user's sole risk and without liability to the surveyor. Nothing herein shall be construed to give any rights or benefits to anyone than those certified to.

7. Since no other information other than what is cited in the Sources of Data was furnished, the Client is hereby advised that there may legal restrictions on the Subject Property that are not shown on the Survey Map or contained within this Report that may be found in the Public Records of Miami-Dade County, or the records of any other public and private entities as their jurisdictions may appear. The Surveyor makes no representation as to ownership or possession of the Subject Property by any entity or individual who may appear of public record. 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 and/or improvements were located or shown hereon. This notice is required by the "Minimum Technical Standards for Land Surveying in the State of Florida," pursuant to Rule 5J-17 of the Florida Administrative Code. Notice is hereby given that Sunshine State One Call of Florida, Inc. must be contacted at 1-800-432-4770 at least 48 hours in advance of any construction, excavation or demolition activity within, upon, abutting or adjacent to the Subject Property. This Notice is given in compliance with the "Underground Facility Damage Prevention and Safety Act," pursuant to Chapter 556.101-III of the Florida Statutes.

8. GPR NOTES:

The Specific Purpose of this survey is to reflect the underground utility markings performed on the survey site by HIGH TECH ENGINEERING, INC., located at 11140 S.W. 88th Street, Suite 100, Miami, Florida 33176, telephone number 305-412-0891. The underground utility markings were performed by HIGH TECH ENGINEERING on August 23, 2010, Mr. Octavio Vidal of HIGH TECH ENGINEERING, INC. reviewed and approved this survey for accuracy of the information provided to J. Bonfill and Associates, Inc. J. Bonfill and Associates, Inc. used this information in the preparation of this Survey.

9. J. Bonfill & Associates, Inc. and certifying Land Surveyor accept no responsibility for Rights-of-Way, Easements, Restrictions of Record or other matters affecting title to lands surveyed other than those recited in current Deed and/or other instruments of record furnished by Client.

10. This Topographic Survey and the Survey Map resulting therefrom was prepared at the request of: TY-LIN INTERNATIONAL



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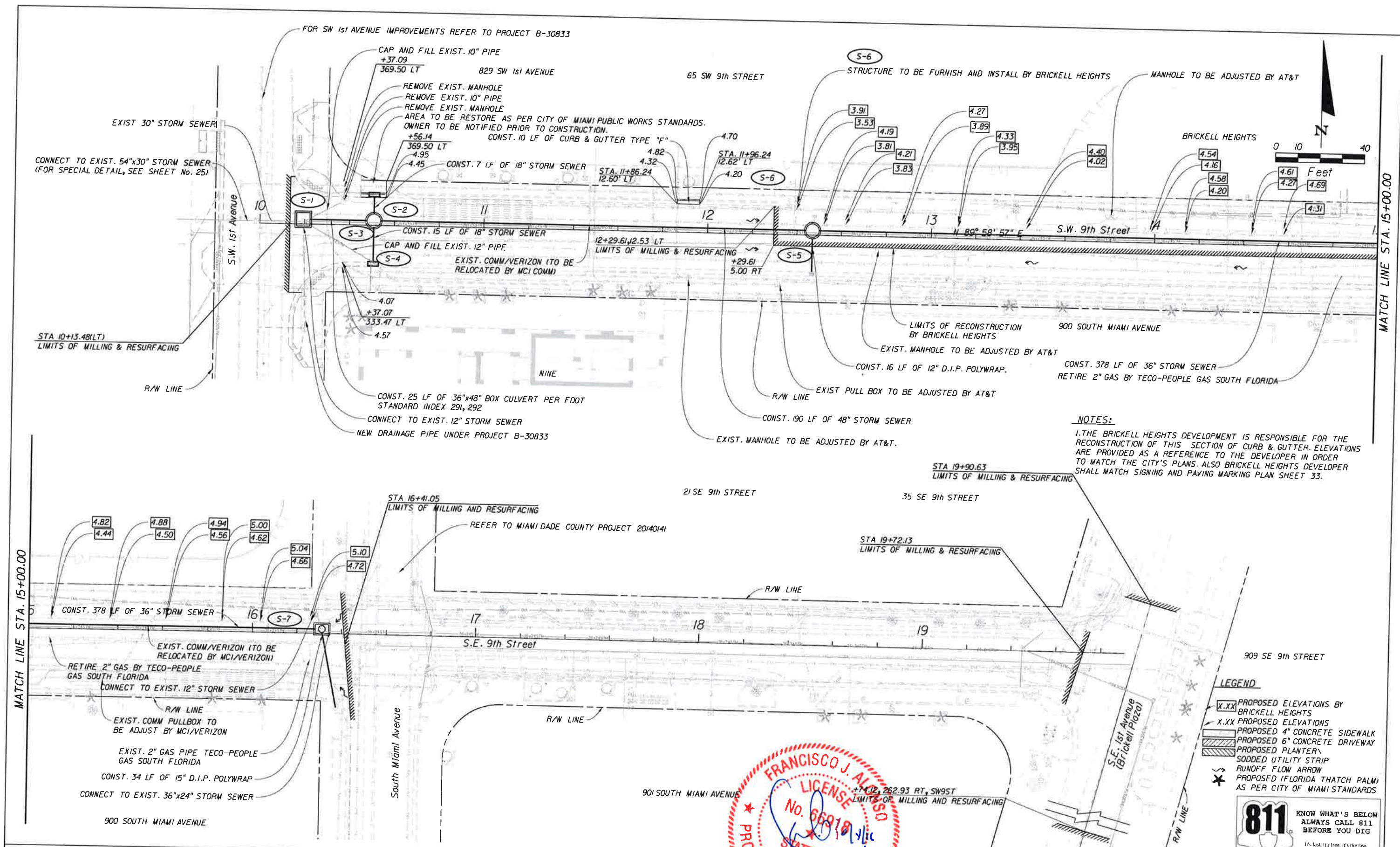


CITY OF MIAMI
MARY BRICKELL VILLAGE
DRAINAGE AND ROADWAY IMPROVEMENTS - PHASE I
SW/SE 9th STREET FROM N 1st AVENUE TO SOUTH MIAMI AVENUE
SW/SE 10th STREET FROM N 1st AVENUE TO SOUTH MIAMI AVENUE
SW/SE 11th STREET FROM N 1st AVENUE TO SOUTH MIAMI AVENUE
SW 12th STREET FROM N 1st AVENUE TO SOUTH MIAMI AVENUE
CITY OF MIAMI PROJECT NUMBER: 9-30637

EXISTING CONDITIONS
S.W. 12th STREET

SHEET NO.
13

MATCH LINE STA. 15+00.00



NOTES:
 1. THE BRICKELL HEIGHTS DEVELOPMENT IS RESPONSIBLE FOR THE RECONSTRUCTION OF THIS SECTION OF CURB & GUTTER. ELEVATIONS ARE PROVIDED AS A REFERENCE TO THE DEVELOPER IN ORDER TO MATCH THE CITY'S PLANS. ALSO BRICKELL HEIGHTS DEVELOPER SHALL MATCH SIGNING AND PAVING MARKING PLAN SHEET 33.

- LEGEND**
- X.XX PROPOSED ELEVATIONS BY BRICKELL HEIGHTS
 - X.XX PROPOSED ELEVATIONS
 - PROPOSED 4" CONCRETE SIDEWALK
 - PROPOSED 6" CONCRETE DRIVEWAY
 - PROPOSED PLANTER
 - SODDED UTILITY STRIP
 - RUNOFF FLOW ARROW
 - PROPOSED (FLORIDA THATCH PALM) AS PER CITY OF MIAMI STANDARDS

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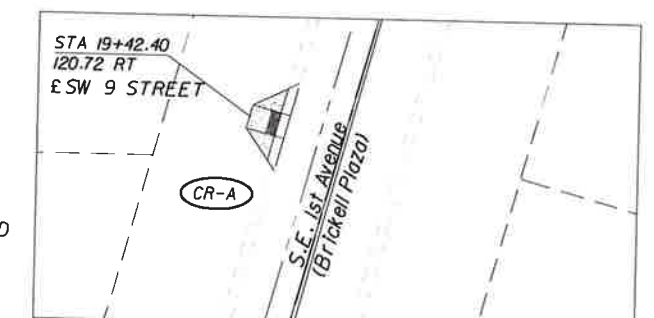
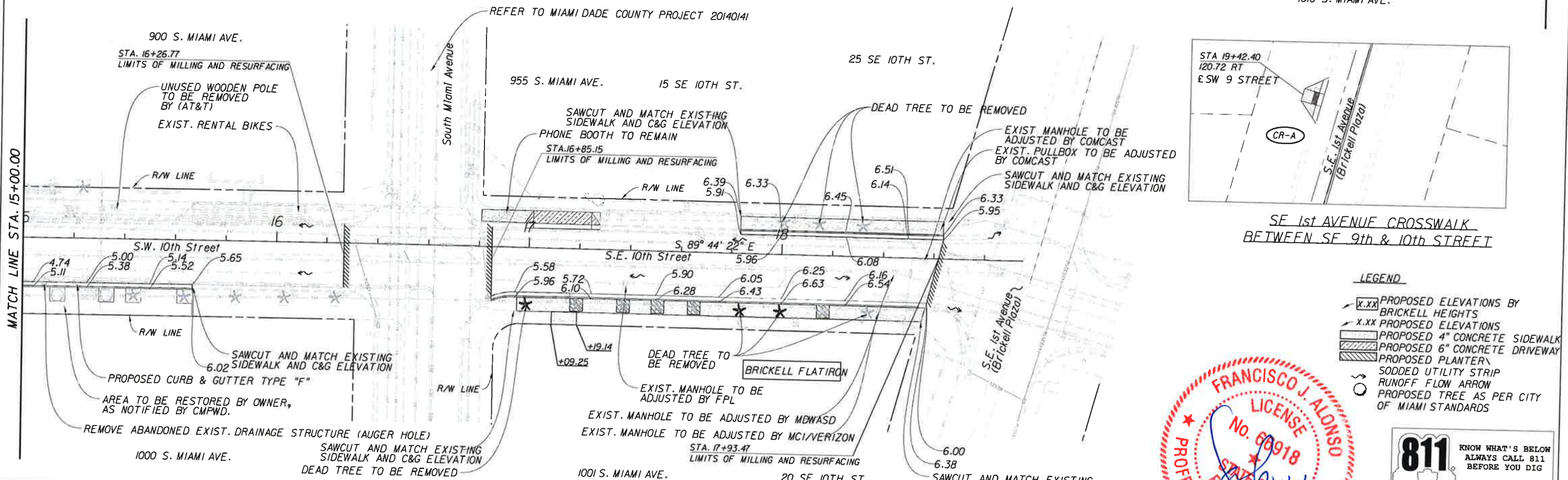
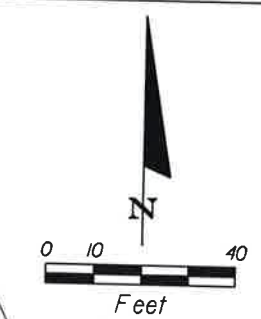
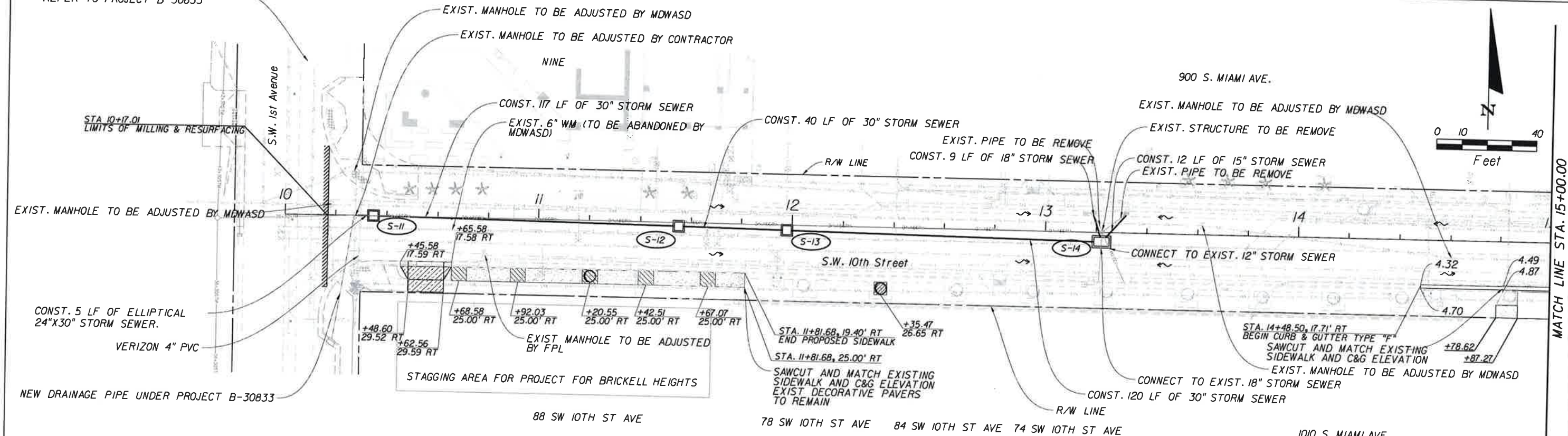


CITY OF MIAMI
 MARY BRICKELL VILLAGE
 DRAINAGE AND ROADWAY IMPROVEMENTS - PHASE I
 SW/SE 9th STREET FROM N 1st AVENUE TO SOUTH MIAMI AVENUE
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 SW 12th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
 CITY OF MIAMI PROJECT NUMBER: B-30637

ROADWAY PLAN
 S.W./S.E. 9th STREET

SHEET NO.
14

FOR SW 1st AVENUE IMPROVEMENTS
REFER TO PROJECT B-30833



- LEGEND**
- x.xx PROPOSED ELEVATIONS BY BRICKELL HEIGHTS
 - x.xx PROPOSED ELEVATIONS
 - PROPOSED 4" CONCRETE SIDEWALK
 - PROPOSED 6" CONCRETE DRIVEWAY
 - PROPOSED PLANTER
 - SODDED UTILITY STRIP
 - RUNOFF FLOW ARROW
 - PROPOSED TREE AS PER CITY OF MIAMI STANDARDS



REVISIONS	
DATE	DESCRIPTION

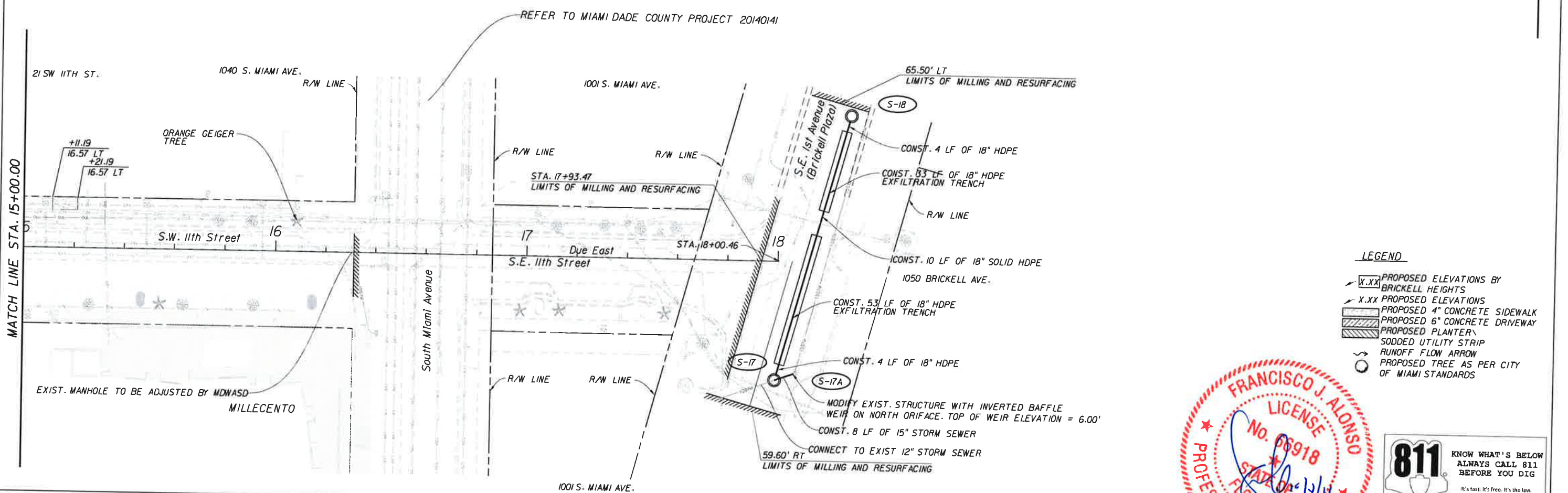
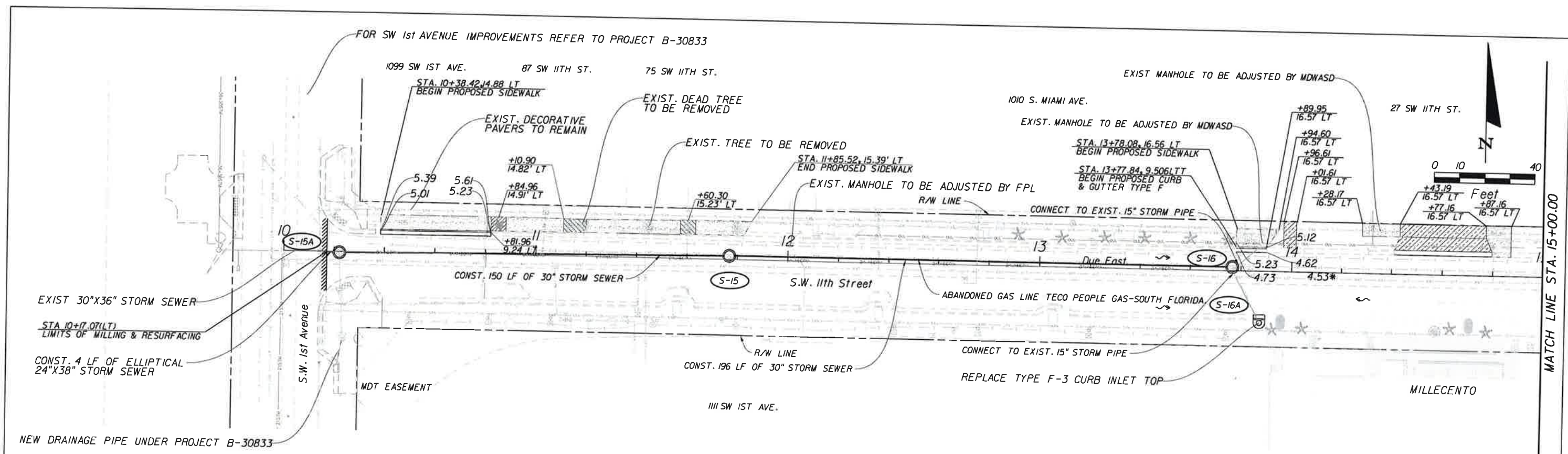
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CITY OF MIAMI
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SW 12th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
CITY OF MIAMI PROJECT NUMBER: B-30637

ROADWAY PLAN
S.W./S.E. 10th STREET

SHEET NO.
15



- LEGEND**
- X.XX PROPOSED ELEVATIONS BY BRICKELL HEIGHTS
 - X.XX PROPOSED ELEVATIONS
 - PROPOSED 4" CONCRETE SIDEWALK
 - PROPOSED 6" CONCRETE DRIVEWAY
 - PROPOSED PLANTER
 - SODDED UTILITY STRIP
 - RUNOFF FLOW ARROW
 - PROPOSED TREE AS PER CITY OF MIAMI STANDARDS



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SW 12th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
CITY OF MIAMI PROJECT NUMBER: B-30637

ROADWAY PLAN
S.W./S.E. 11th STREET

SHEET NO.
16

MATCH LINE STA. 15+00.00

MATCH LINE STA. 15+00.00

NEW DRAINAGE PIPE UNDER PROJECT B-30833

FOR SW 1st AVENUE IMPROVEMENTS REFER TO PROJECT B-30833

REFER TO MIAMI DADE COUNTY PROJECT 20140141

EXIST. MANHOLE TO BE ADJUSTED BY MDWASD

EXIST. MANHOLE TO BE ADJUSTED BY MDWASD

EXIST. MANHOLE TO BE ADJUSTED BY FPL

CONNECT TO EXIST. 15" STORM PIPE

REPLACE TYPE F-3 CURB INLET TOP

ABANDONED GAS LINE TECO PEOPLE GAS-SOUTH FLORIDA

CONST. 196 LF OF 30" STORM SEWER

CONST. 150 LF OF 30" STORM SEWER

CONST. 4 LF OF 18" HDPE

CONST. 83 LF OF 18" HDPE EXFILTRATION TRENCH

CONST. 10 LF OF 18" SOLID HDPE

CONST. 53 LF OF 18" HDPE EXFILTRATION TRENCH

CONST. 4 LF OF 18" HDPE

MODIFY EXIST. STRUCTURE WITH INVERTED BAFFLE WEIR ON NORTH ORIFACE. TOP OF WEIR ELEVATION = 6.00'

CONST. 8 LF OF 15" STORM SEWER

CONNECT TO EXIST 12" STORM SEWER

59.60' RT LIMITS OF MILLING AND RESURFACING

STA. 17+93.47 LIMITS OF MILLING AND RESURFACING

STA. 18+00.46

65.50' LT LIMITS OF MILLING AND RESURFACING

1001 S. MIAMI AVE.

1040 S. MIAMI AVE.

21 SW 11TH ST.

S.W. 1st Avenue

S.W. 11th Street

Due East

1111 SW 1ST AVE.

MILLECENTO

27 SW 11TH ST.

1010 S. MIAMI AVE.

1099 SW 1ST AVE.

87 SW 11TH ST.

75 SW 11TH ST.

STA. 10+38.42, 14.88 LT
BEGIN PROPOSED SIDEWALK

STA. 11+85.52, 15.39' LT
END PROPOSED SIDEWALK

STA. 13+78.08, 16.56 LT
BEGIN PROPOSED SIDEWALK

STA. 13+77.84, 9.506' LT
BEGIN PROPOSED CURB & GUTTER TYPE F

+89.95
16.57' LT

+94.60
16.57' LT

+96.61
16.57' LT

+01.61
16.57' LT

+28.17
16.57' LT

+43.19
16.57' LT

+77.16
16.57' LT

+87.16
16.57' LT

+10.90
14.82' LT

+84.96
14.91' LT

+81.96
9.24' LT

+60.30
15.23' LT

5.39
5.01

5.61
5.23

5.12

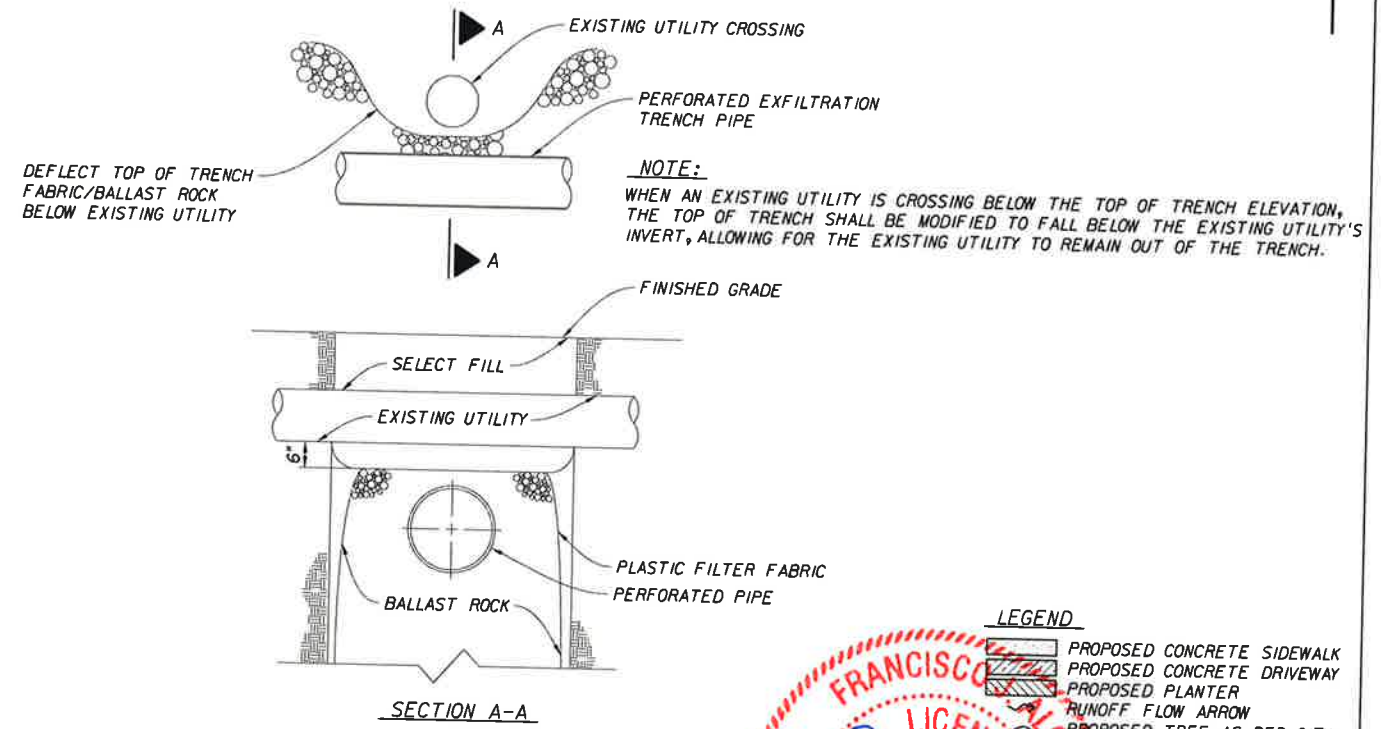
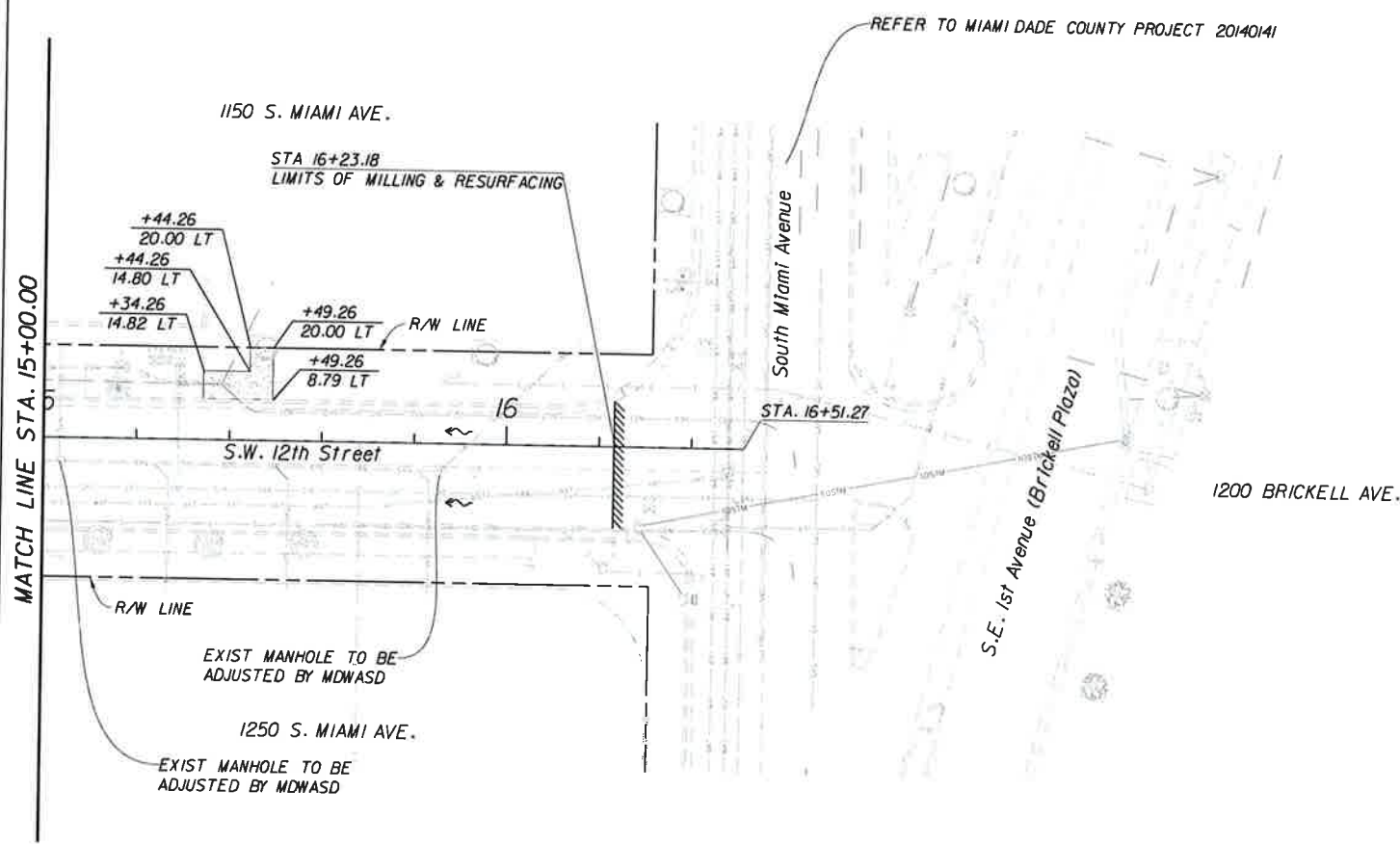
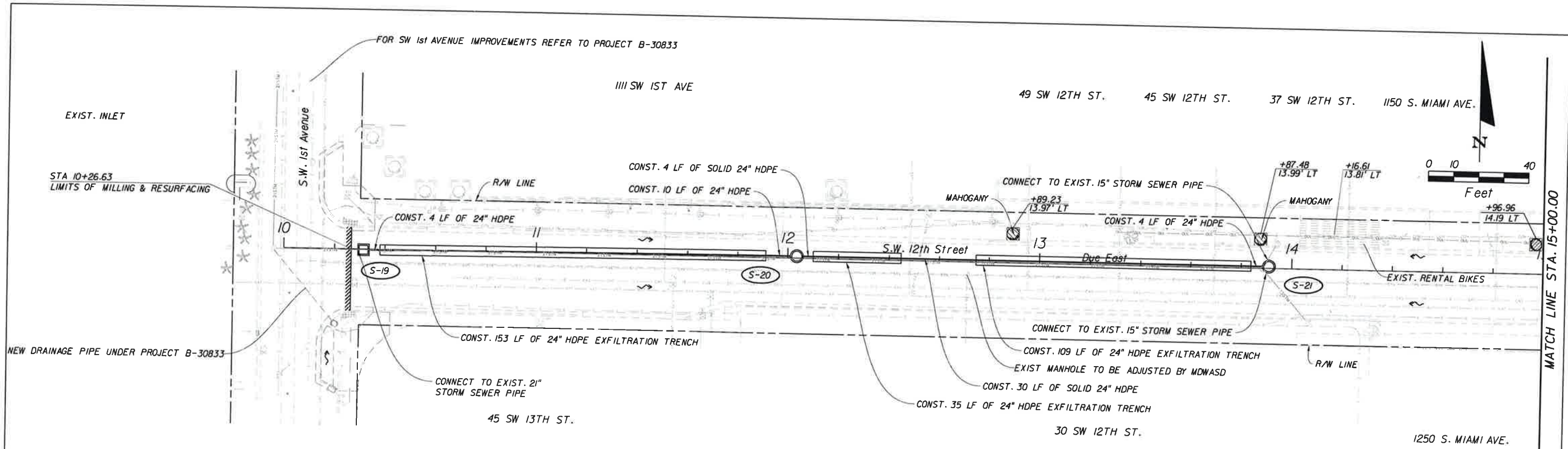
5.23

4.73

4.62

4.53*





LEGEND

	PROPOSED CONCRETE SIDEWALK
	PROPOSED CONCRETE DRIVEWAY
	PROPOSED PLANTER
	RUNOFF FLOW ARROW
	PROPOSED TREE AS PER CITY OF MIAMI STANDARDS



811 KNOW WHAT'S BELOW
ALWAYS CALL 811
BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

NOTE:
WHEN AN EXISTING UTILITY IS CROSSING BELOW THE TOP OF TRENCH ELEVATION, THE TOP OF TRENCH SHALL BE MODIFIED TO FALL BELOW THE EXISTING UTILITY'S INVERT, ALLOWING FOR THE EXISTING UTILITY TO REMAIN OUT OF THE TRENCH.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

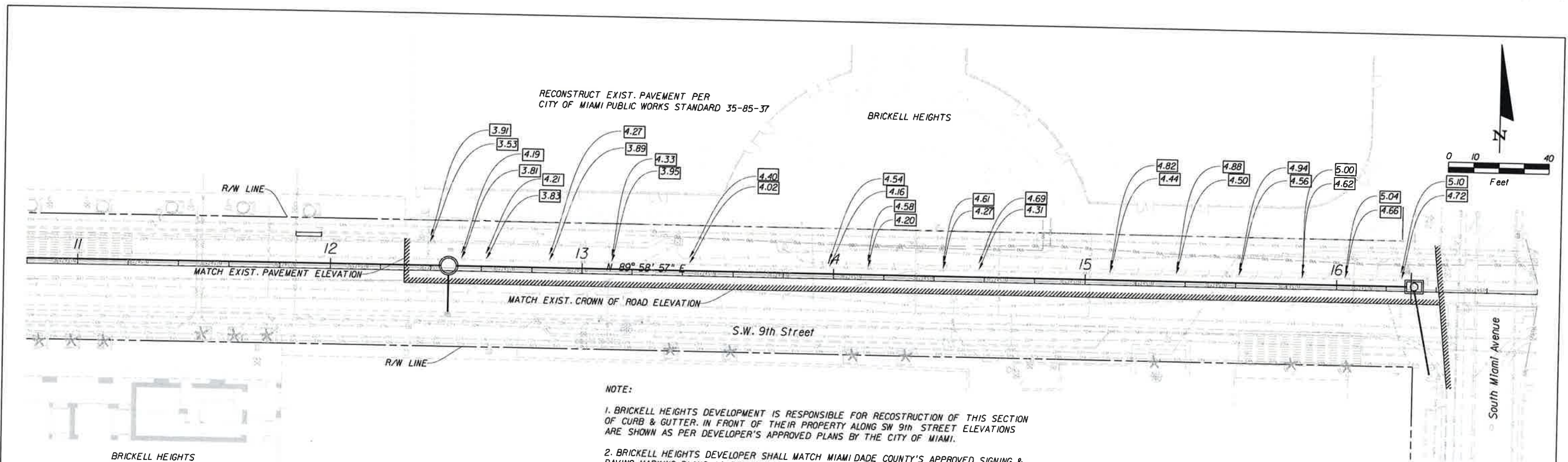
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CITY OF MIAMI
MARY BRICKELL VILLAGE
DRAINAGE AND ROADWAY IMPROVEMENTS - PHASE I
SW/SE 9th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
SW/SE 10th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
SW/SE 11th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
SW 12th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
CITY OF MIAMI PROJECT NUMBER: B-30637

ROADWAY PLAN
S.W. 12th STREET

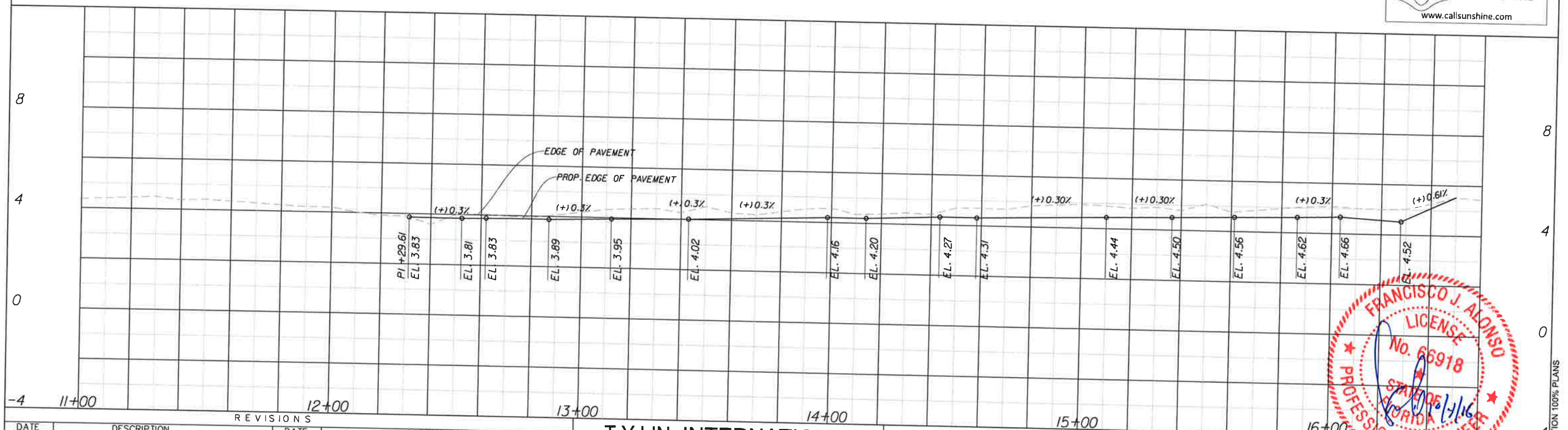
SHEET NO.
17



NOTE:

- BRICKELL HEIGHTS DEVELOPMENT IS RESPONSIBLE FOR RECONSTRUCTION OF THIS SECTION OF CURB & GUTTER. IN FRONT OF THEIR PROPERTY ALONG SW 9th STREET ELEVATIONS ARE SHOWN AS PER DEVELOPER'S APPROVED PLANS BY THE CITY OF MIAMI.
- BRICKELL HEIGHTS DEVELOPER SHALL MATCH MIAMI DADE COUNTY'S APPROVED SIGNING & PAVING MARKING PLANS AS PER SHEET 33.

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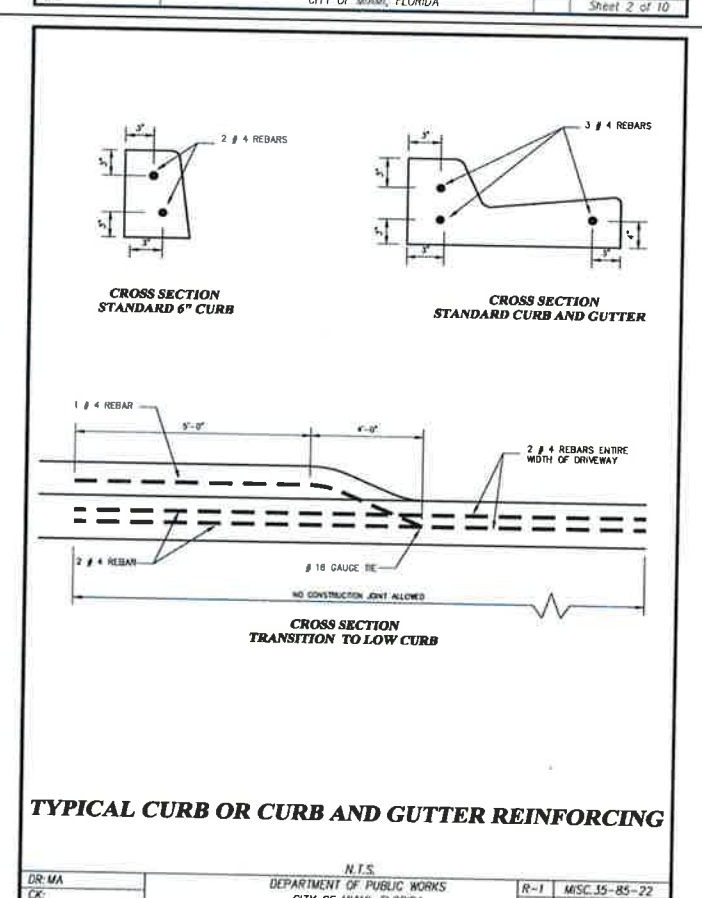
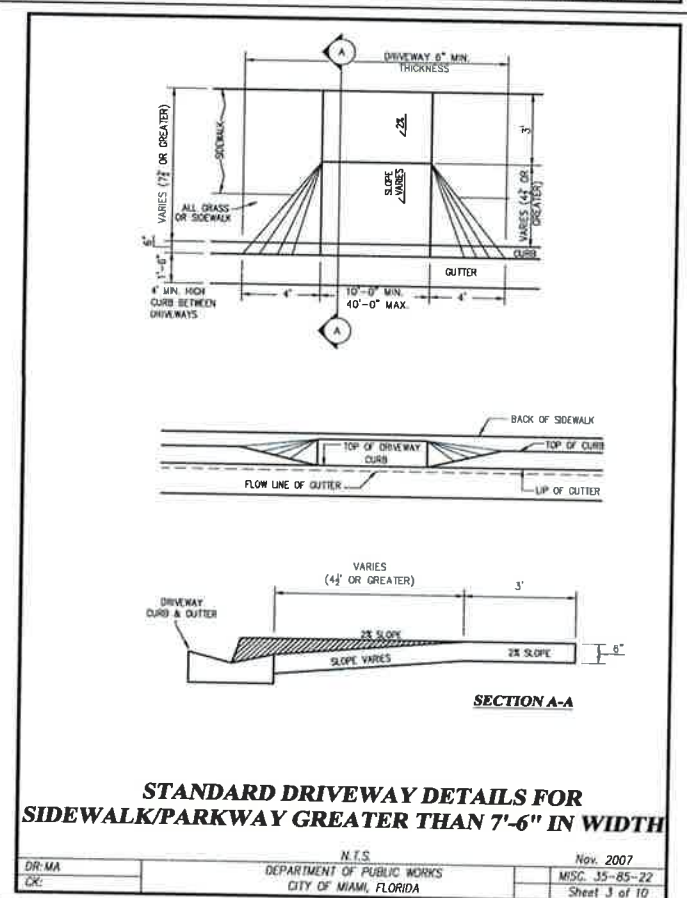
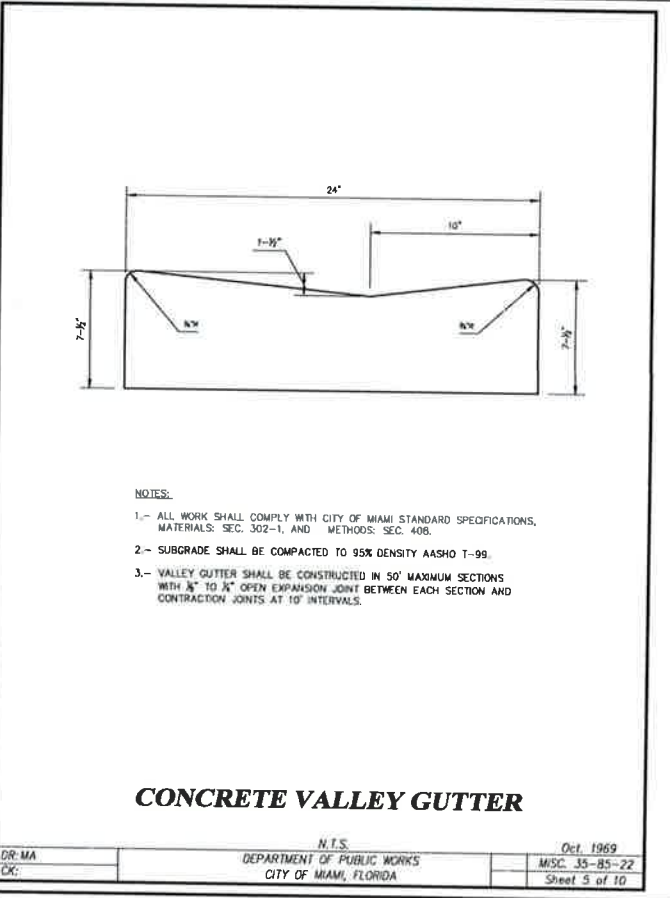
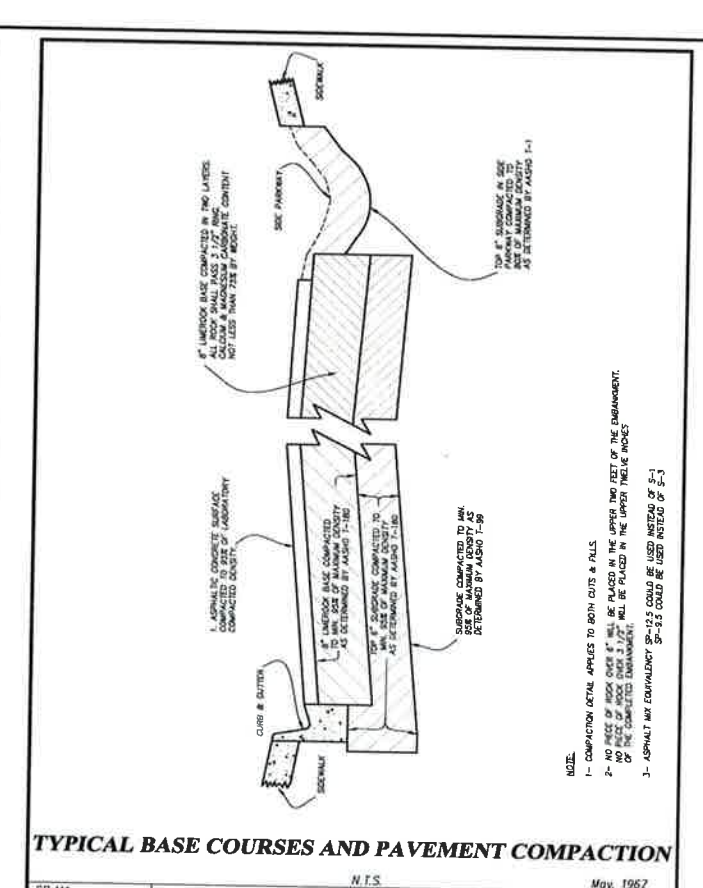
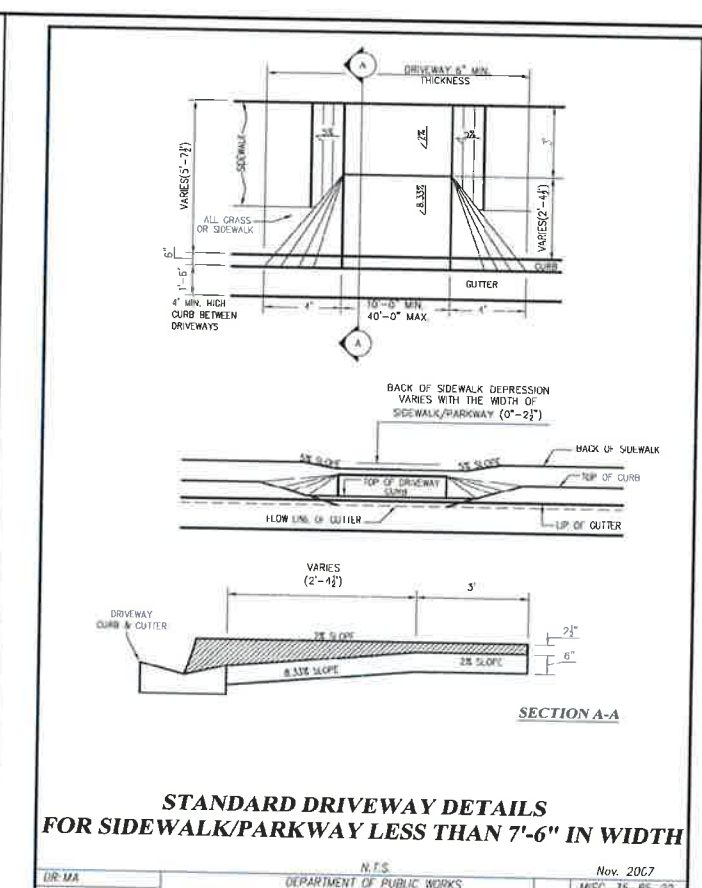
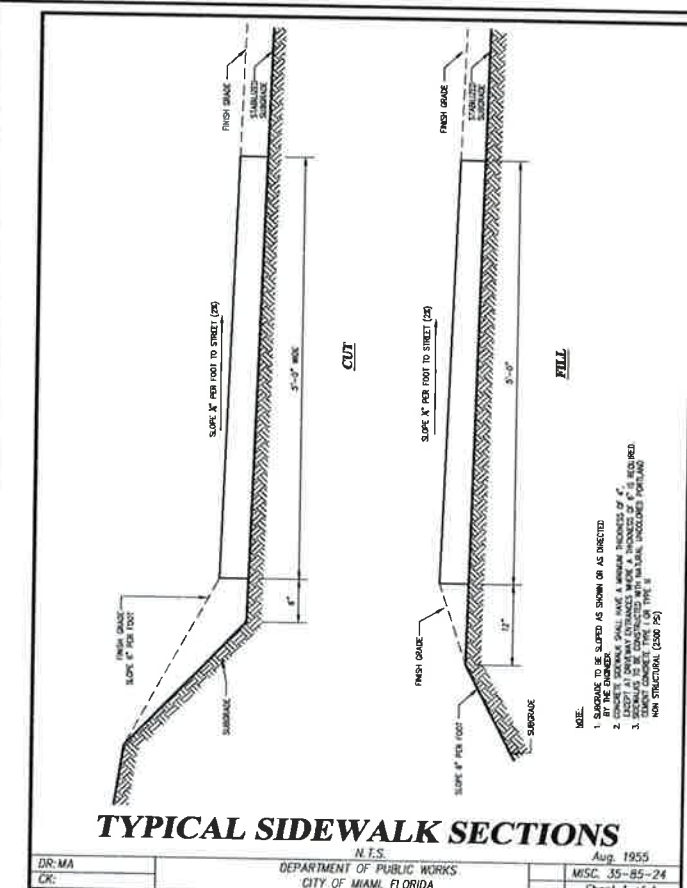
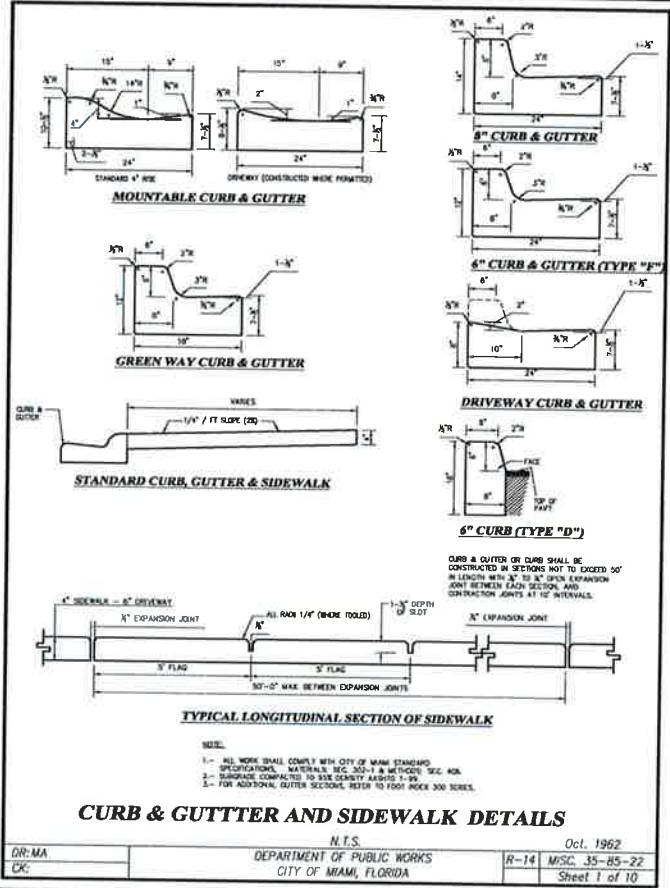


CITY OF MIAMI
MARY BRICKELL VILLAGE
DRAINAGE AND ROADWAY IMPROVEMENTS - PHASE 1
SWISE 9th STREET FROM W 1st AVENUE TO E 1st AVENUE
SWISE 10th STREET FROM W 1st AVENUE TO E 1st AVENUE
SWISE 11th STREET FROM W 1st AVENUE TO E 1st AVENUE
SW 12th STREET FROM W 1st AVENUE TO SE 1st AVENUE
CITY OF MIAMI PROJECT NUMBER: B-30637

RECONSTRUCTION PLAN
S.W. 9th STREET
BY BRICKELL HEIGHTS

SHEET NO.
18

NOT FOR CONSTRUCTION 100% PLANS



REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

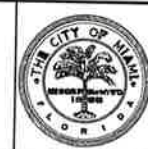
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CITY OF MIAMI
MARY BRICKELL VILLAGE
DRAINAGE AND ROADWAY IMPROVEMENTS - PHASE I
SW/SE 9th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
SW/SE 10th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
SW/SE 11th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
SW 12th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
CITY OF MIAMI PROJECT NUMBER: B-30637

FRANCISCO J. ALONSO
LICENSE No. 68918
STATE OF FLORIDA
PROFESSIONAL ENGINEER

ROADWAY CONSTRUCTION STANDARDS DETAILS

SHEET NO. 19

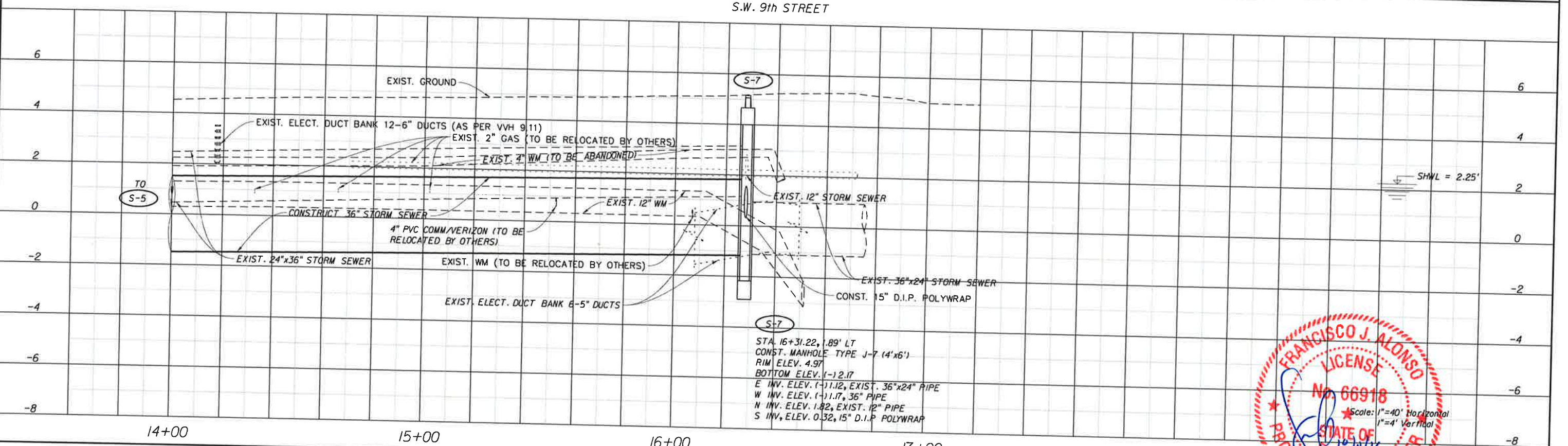
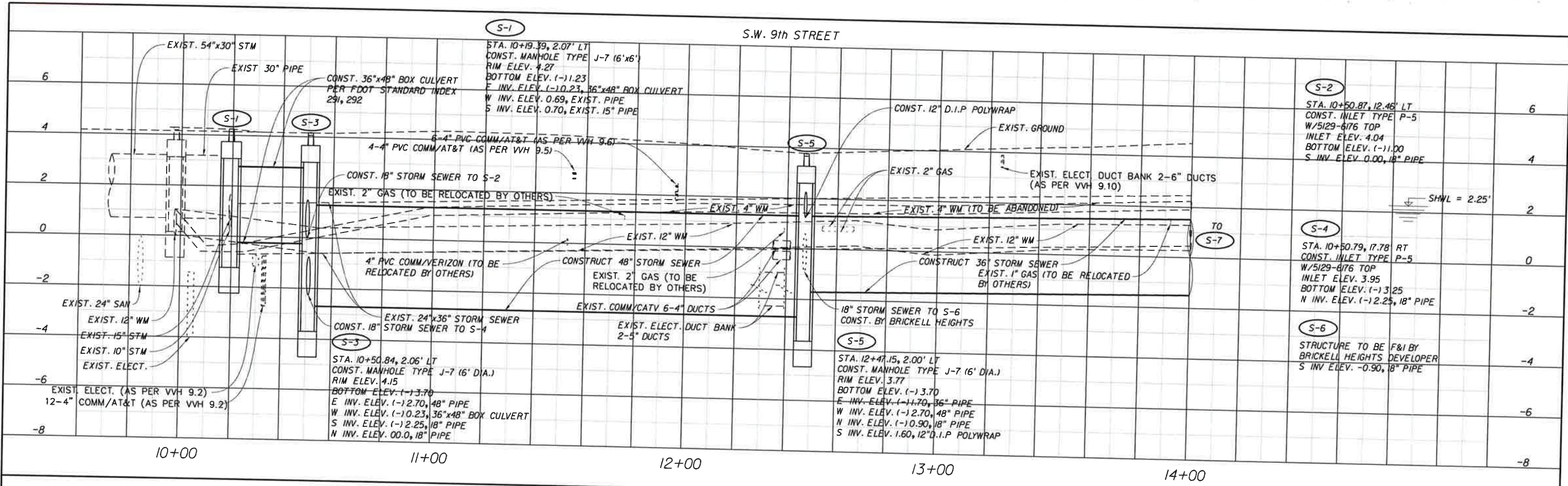


CITY OF MIAMI
MARY BRICKELL VILLAGE
DRAINAGE AND ROADWAY IMPROVEMENTS - PHASE I
SW/SE 9th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
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SW/SE 11th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
SW 12th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
CITY OF MIAMI PROJECT NUMBER: B-30637

ROADWAY CONSTRUCTION STANDARDS DETAILS

SHEET NO. 19

100% PLANS



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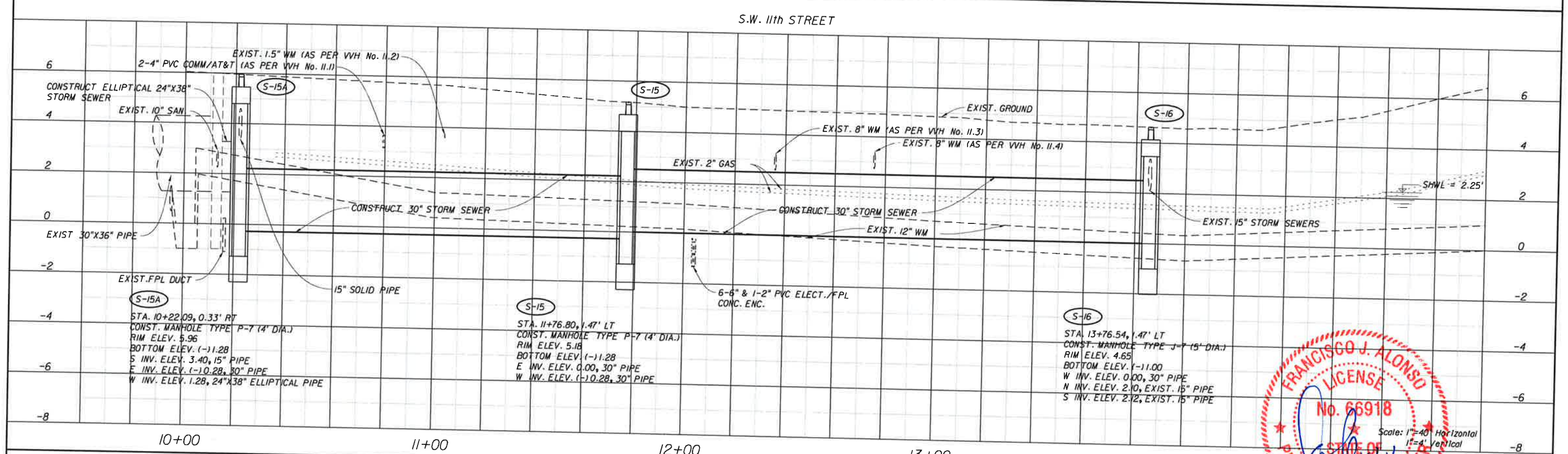
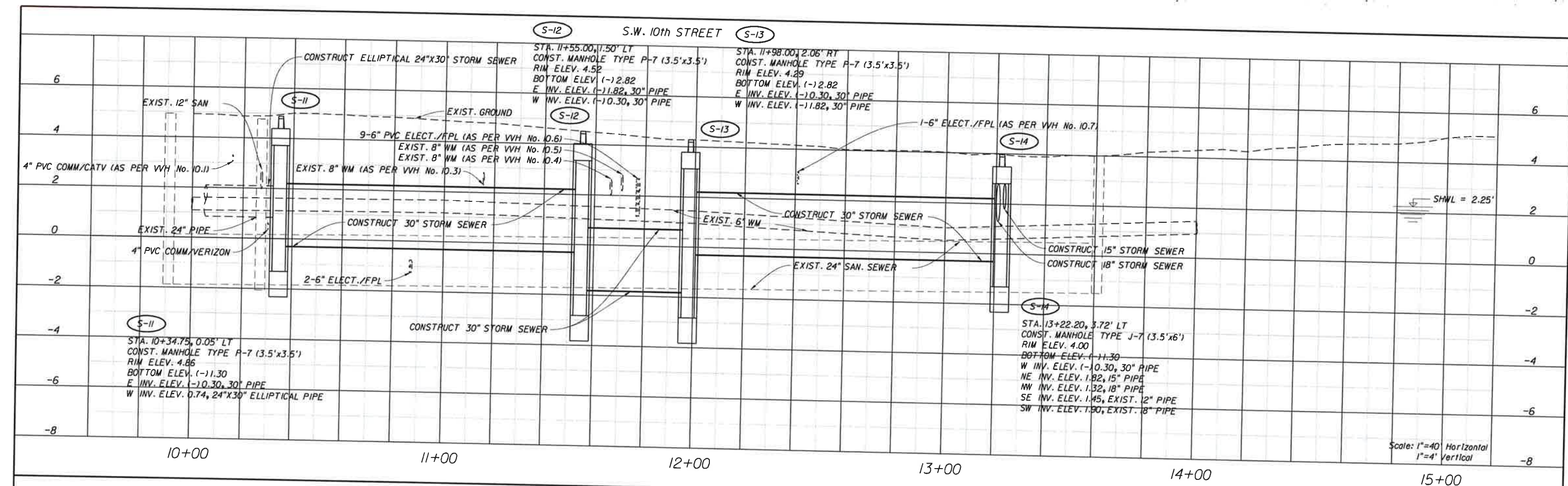
CITY OF MIAMI
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 DRAINAGE AND ROADWAY IMPROVEMENTS - PHASE 1
 SWISE 9th STREET FROM W 1st AVENUE TO E 1st AVENUE
 SWISE 10th STREET FROM W 1st AVENUE TO E 1st AVENUE
 SWISE 11th STREET FROM W 1st AVENUE TO E 1st AVENUE
 SW 12th STREET FROM W 1st AVENUE TO E 1st AVENUE
 CITY OF MIAMI PROJECT NUMBER: B-30837



DRAINAGE PROFILE
 S.W./S.E. 9th STREET

SHEET NO. 20

100% PLANS



REVISIONS			
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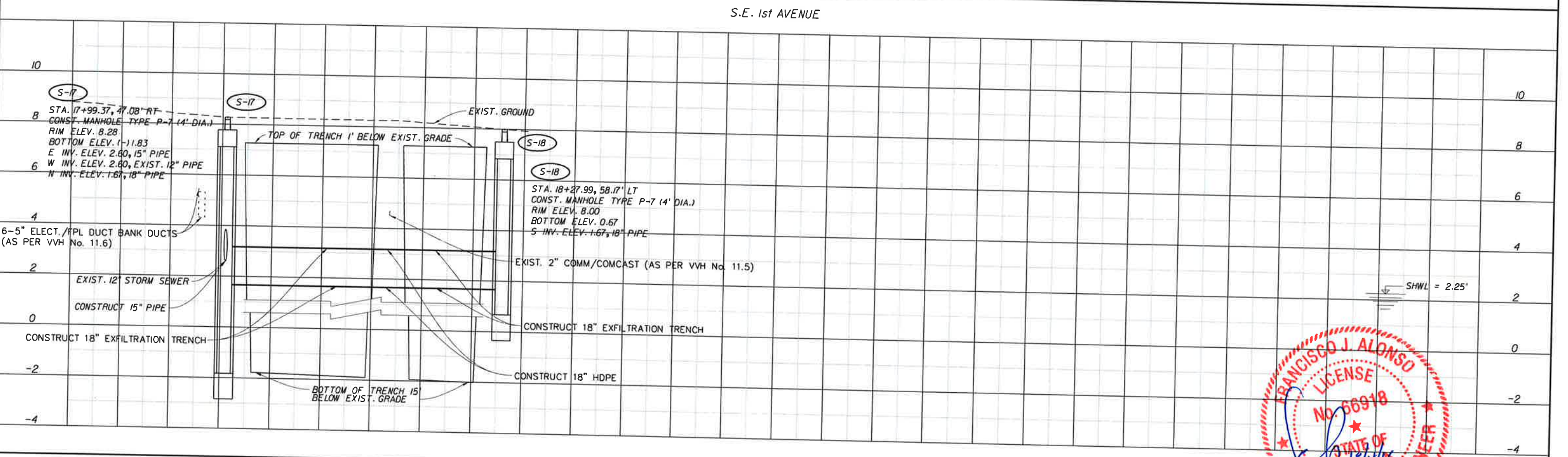
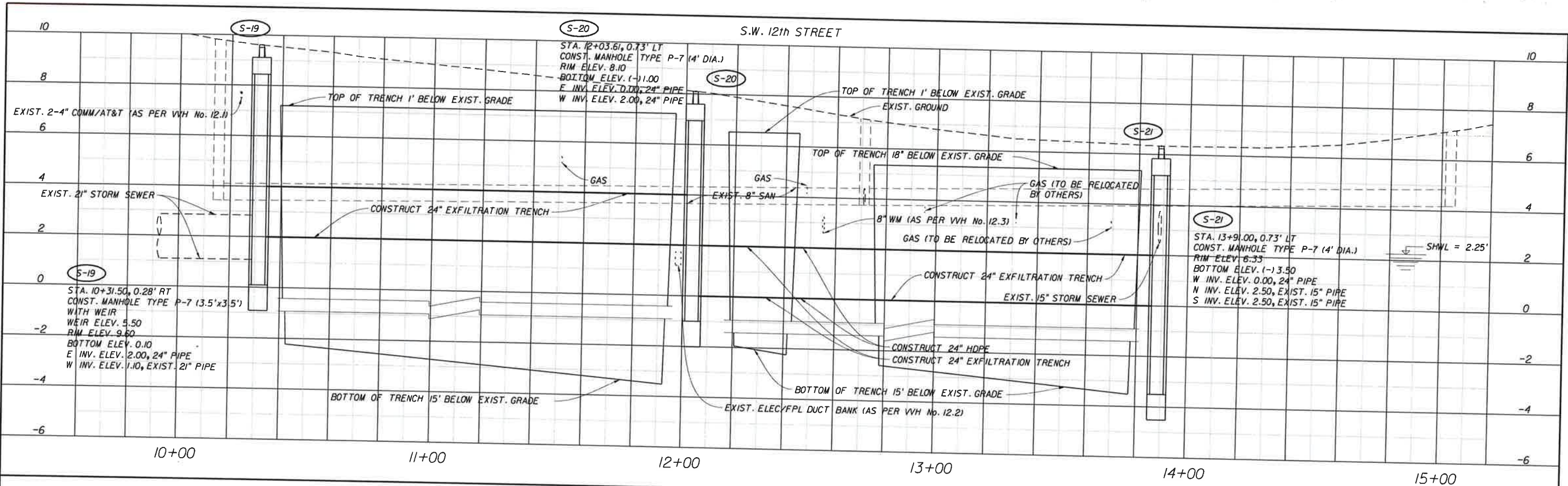


CITY OF MIAMI
 MARY BRICKELL VILLAGE
 DRAINAGE AND ROADWAY IMPROVEMENTS - PHASE 1
 SW 9th STREET FROM W 1st AVENUE TO E 1st AVENUE
 SW 10th STREET FROM W 1st AVENUE TO E 1st AVENUE
 SW 11th STREET FROM W 1st AVENUE TO E 1st AVENUE
 SW 12th STREET FROM W 1st AVENUE TO E 1st AVENUE
 CITY OF MIAMI PROJECT NUMBER: B-30637

FRANCISCO J. ALONSO
 LICENSE No. 66918
 PROFESSIONAL ENGINEER
 STATE OF FLORIDA
 Scale: 1"=40' Horizontal
 1"=4' Vertical

DRAINAGE PROFILE
S.W. 10th STREET
& S.W. 11th STREET

SHEET NO. 21



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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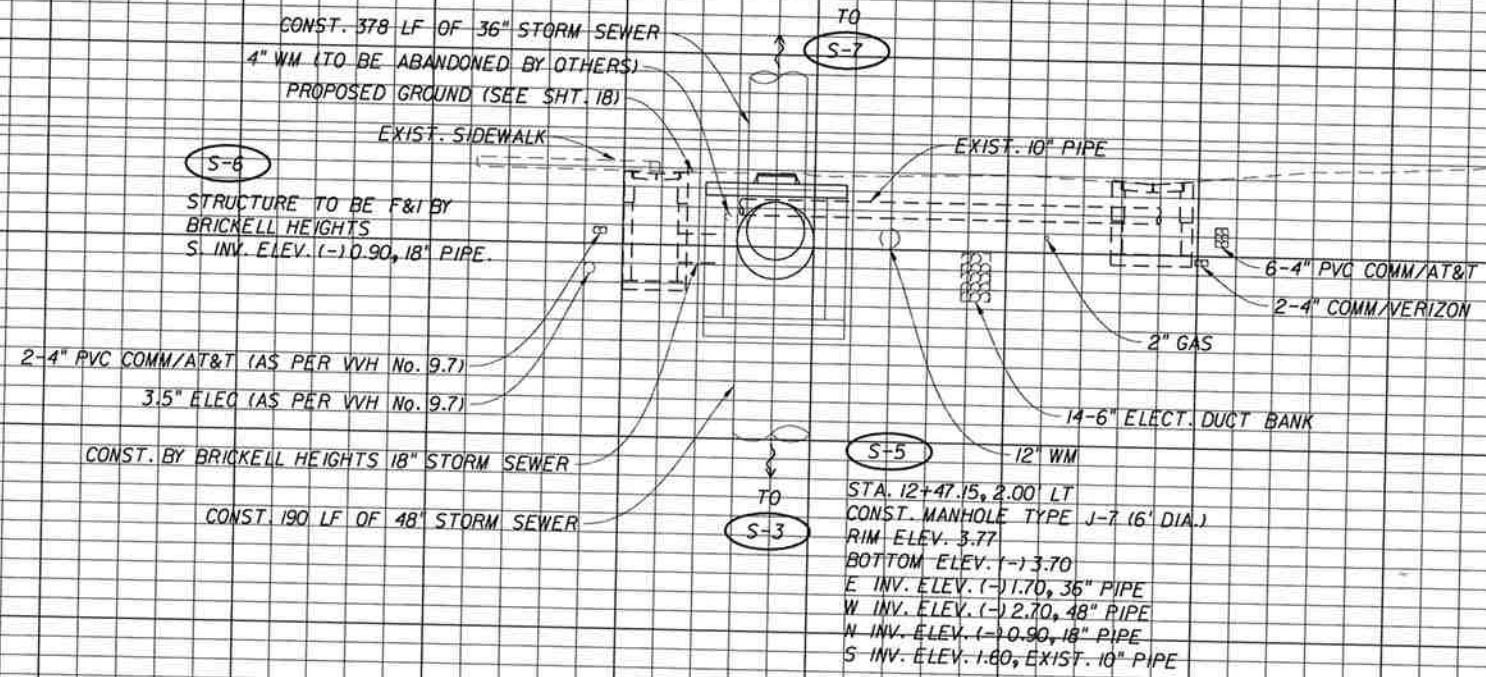
CITY OF MIAMI
 MARY BRICKELL VILLAGE
 DRAINAGE AND ROADWAY IMPROVEMENTS - PHASE 1
 SWISE 9th STREET FROM W 1st AVENUE TO E 1st AVENUE
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 SWISE 11th STREET FROM W 1st AVENUE TO E 1st AVENUE
 SW 12th STREET FROM W 1st AVENUE TO SE 1st AVENUE
 CITY OF MIAMI PROJECT NUMBER: B-30637



DRAINAGE PROFILE
 S.W. 12th STREET
 & S.E. 1st AVENUE

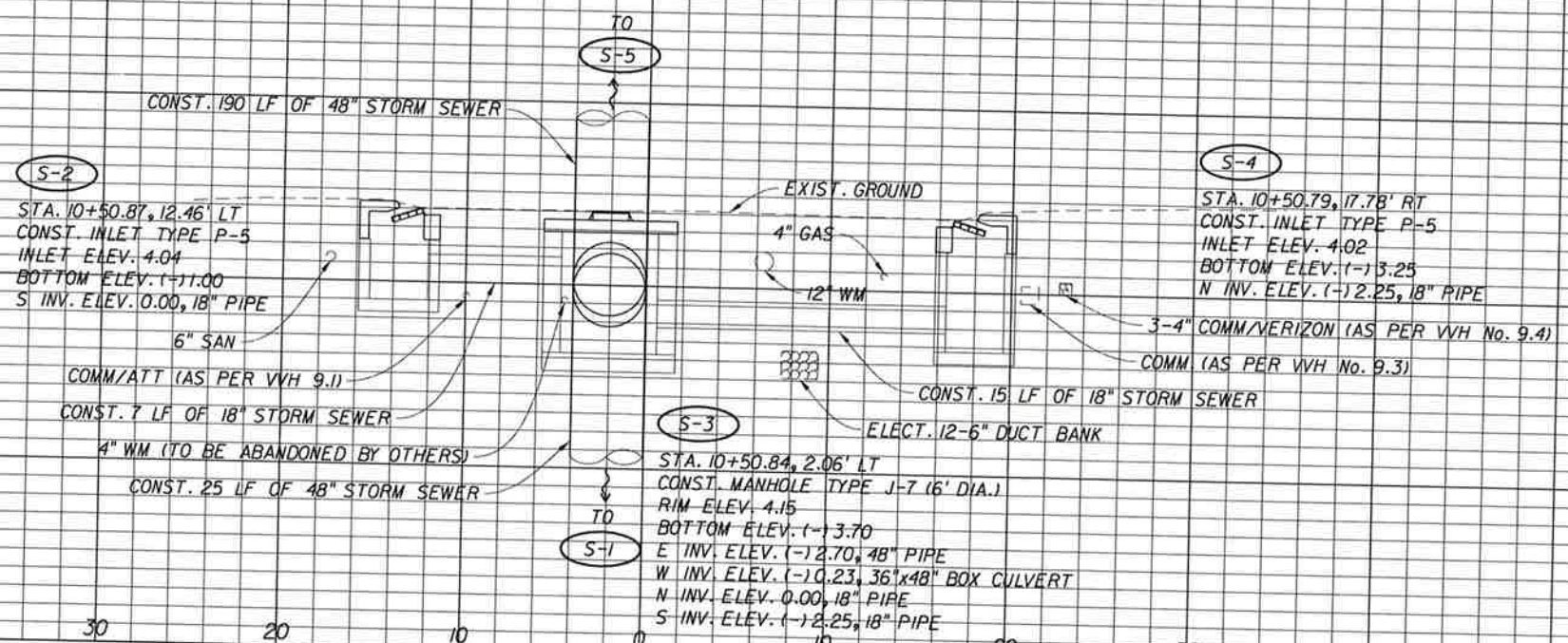
SHEET NO.
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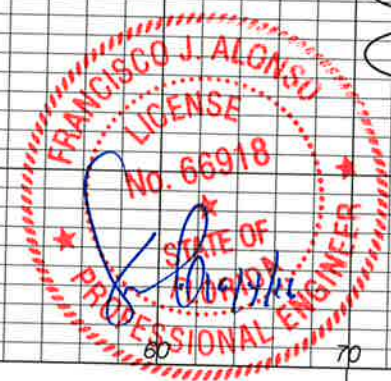


S-6
S-5

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6



S-4
S-3
S-2



REVISIONS	
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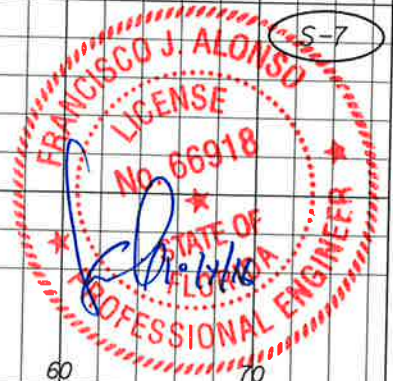
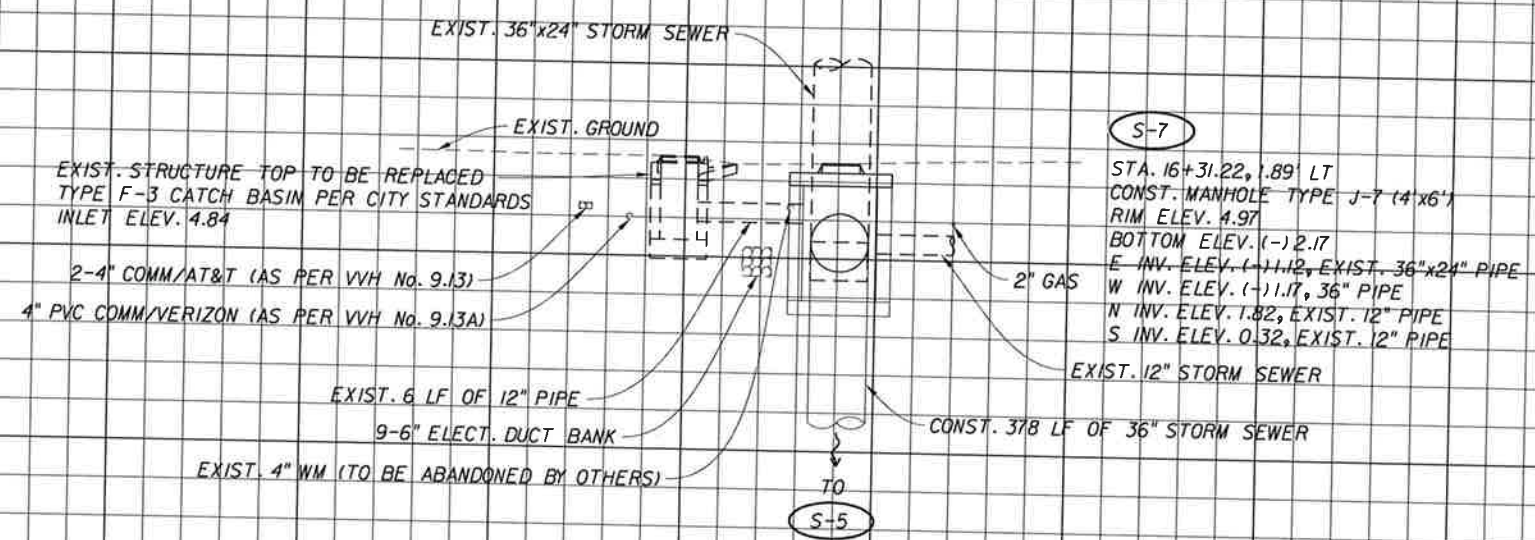
CITY OF MIAMI
MARY BRICKELL VILLAGE
DRAINAGE AND ROADWAY IMPROVEMENTS - PHASE 1
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SWISE 11th STREET FROM W 1st AVENUE TO E 1st AVENUE
SW 12th STREET FROM W 1st AVENUE TO SE 1st AVENUE
CITY OF MIAMI PROJECT NUMBER: B-30637

DRAINAGE STRUCTURES
S.W. 9th STREET

SHEET NO.
23

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4
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6

6
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6



REVISIONS	
DATE	DESCRIPTION

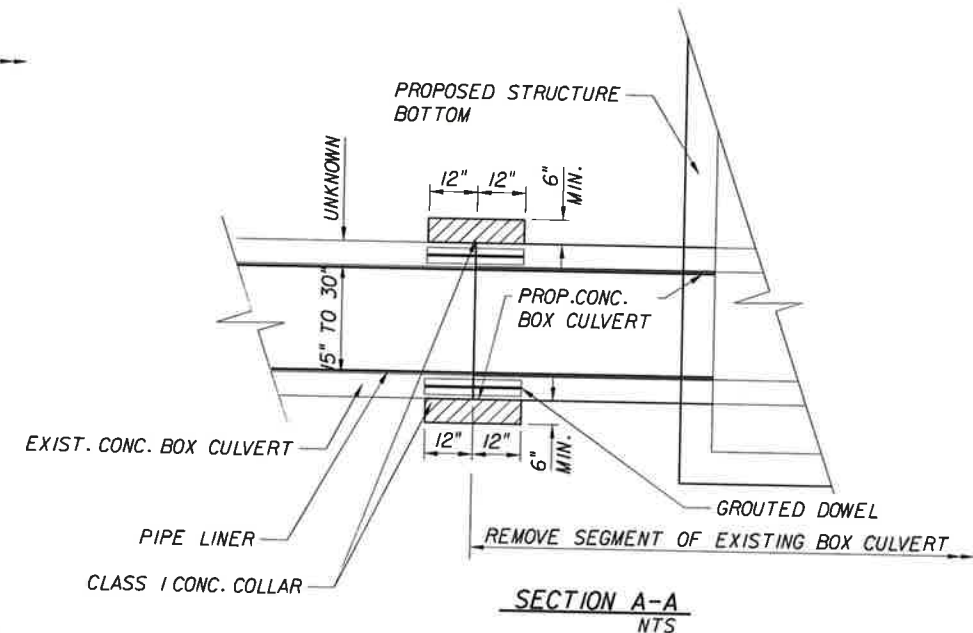
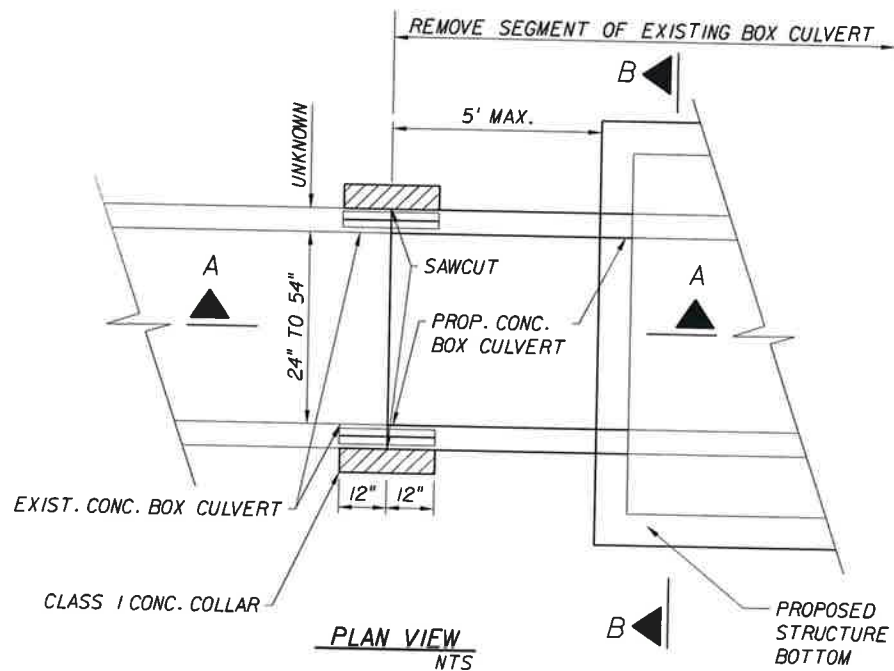
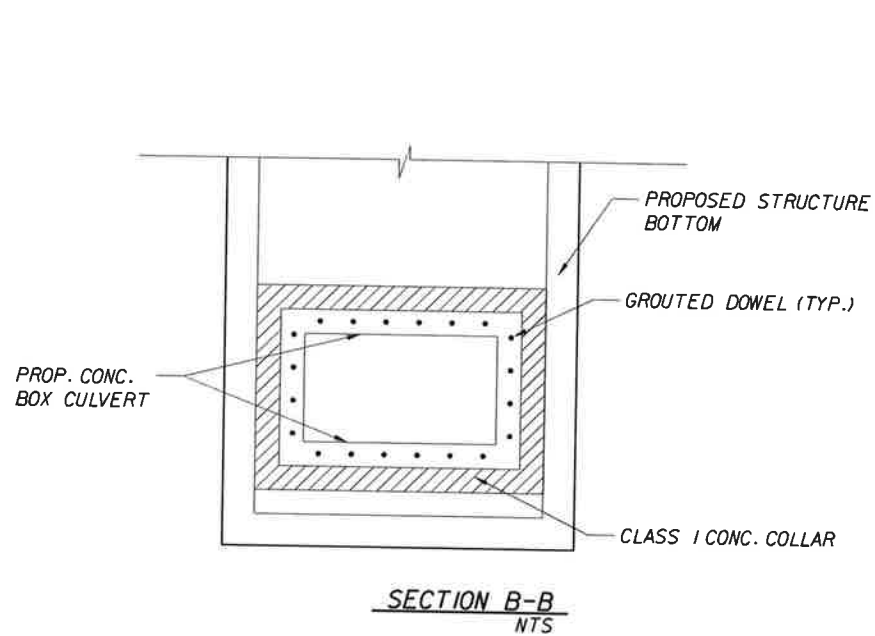
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 MARY BRICKELL VILLAGE
 DRAINAGE AND ROADWAY IMPROVEMENTS - PHASE 1
SWISE 9th STREET FROM W 1st AVENUE TO E 1st AVENUE
 SWISE 10th STREET FROM W 1st AVENUE TO E 1st AVENUE
 SWISE 11th STREET FROM W 1st AVENUE TO E 1st AVENUE
 SW 12th STREET FROM W 1st AVENUE TO SE 1st AVENUE
 CITY OF MIAMI PROJECT NUMBER: B-30637

DRAINAGE STRUCTURES
 S.E. 9th STREET

SHEET NO.
24



CONNECTIONS TO EXISTING CONC. BOX CULVERT
(STRUCTURE S-1) NTS

NOTES:

1. PROP. BOX CULVERT SHOULD BE FDOT STANDARD PRECAST PER INDEX 291 AND 292 FOR DESIGN EARTH COVER 3'-<5'.
2. GROUTED DOWELS SHALL BE No. 5 BARS INSTALLED AT 12' O.C. SIDE TOP AND BOTTOM JOINTS OF EXISTING AND PROP. BOX CULVERTS.
3. COST OF BOX CULVERT CONNECTION SHALL BE INCIDENTAL TO THE UNIT PRICE OF THE PROPOSED DRAINAGE STRUCTURE BEING CONNECTED. CONTRACTOR SHOP DRAWINGS OF PROPOSED DRAINAGE STRUCTURES SHALL INCLUDE BOX CULVERT CONNECTION.



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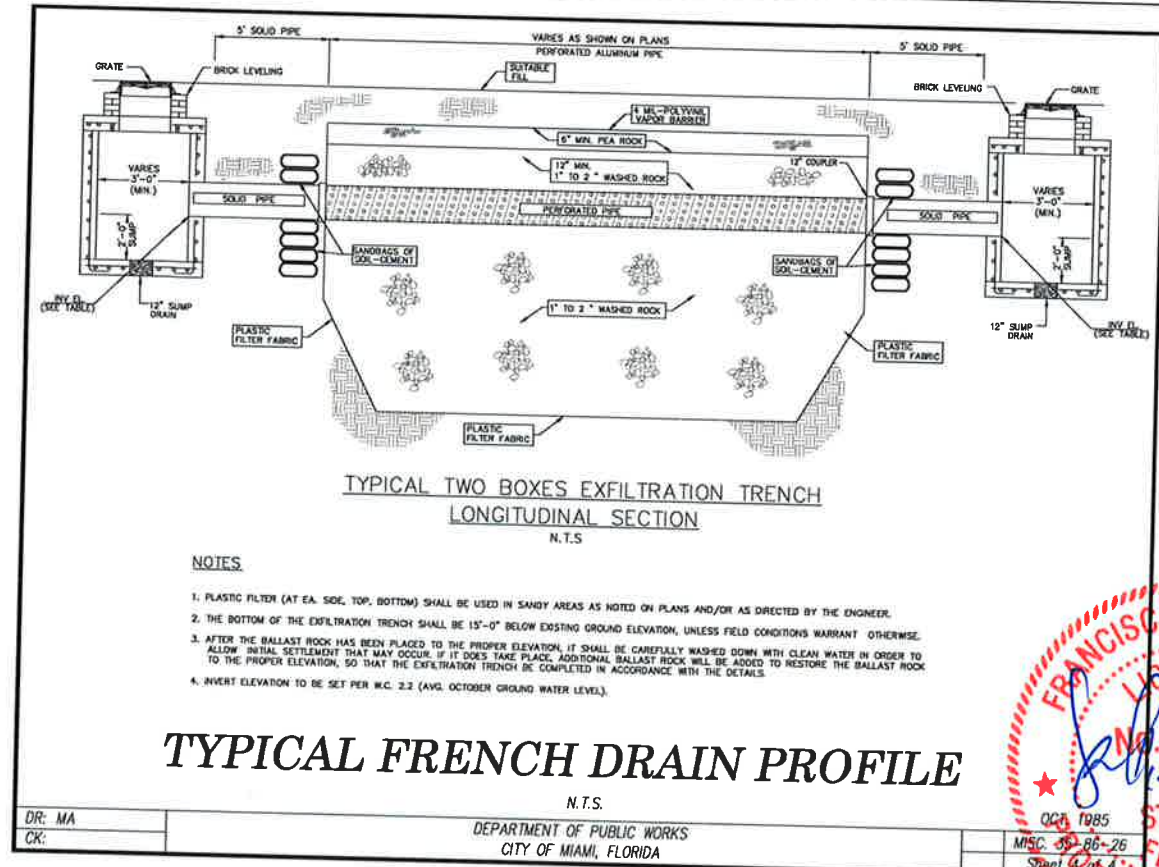
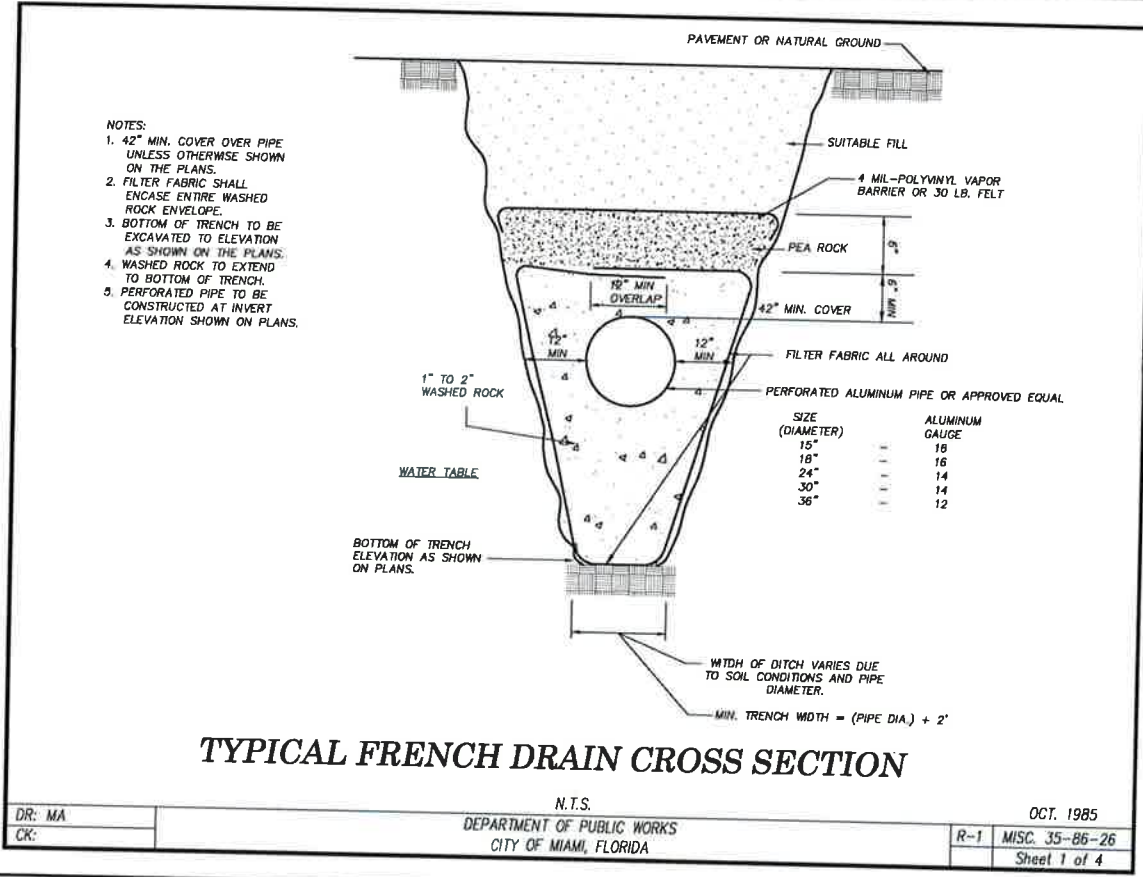
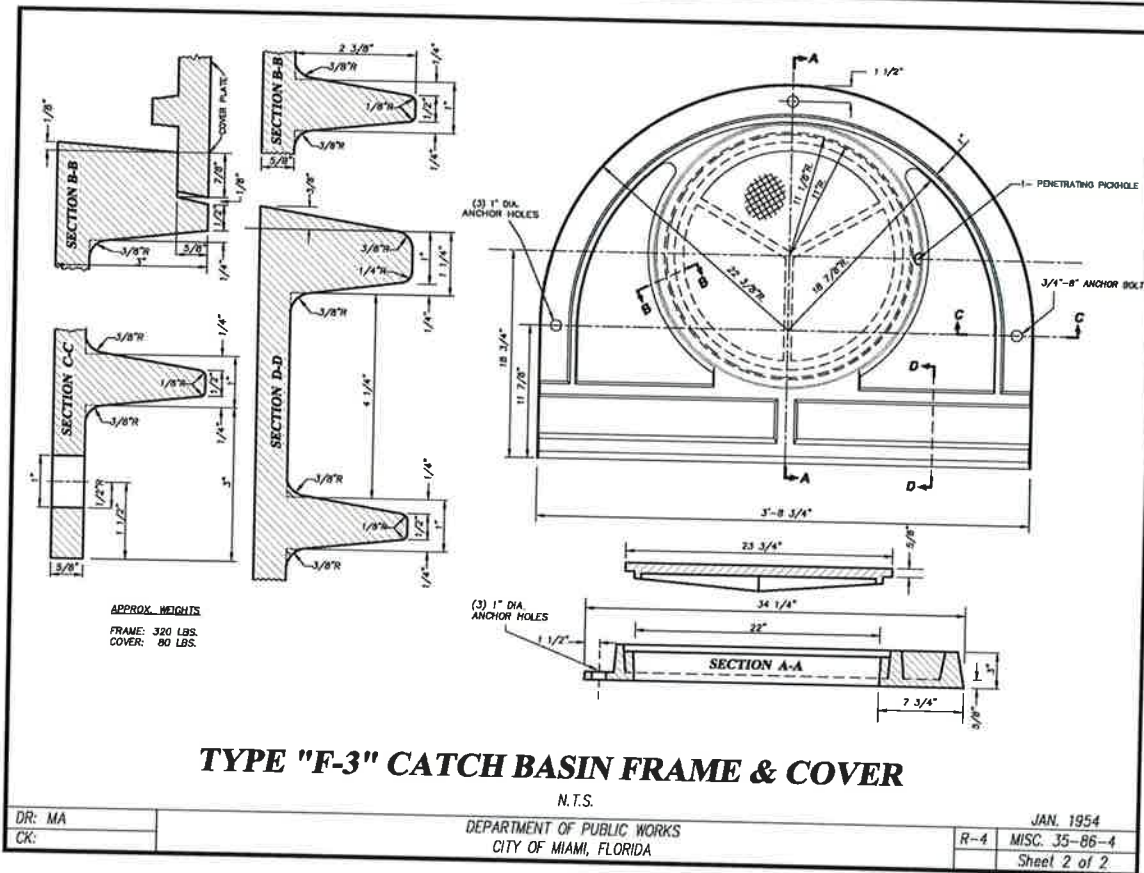


CITY OF MIAMI
MARY BRICKELL VILLAGE
DRAINAGE AND ROADWAY IMPROVEMENTS - PHASE I
SW/SE 9th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
SW/SE 10th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
SW/SE 11th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
SW 12th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
CITY OF MIAMI PROJECT NUMBER: B-30637

DRAINAGE SPECIAL DETAILS

SHEET NO.
25

002 PLANS



REVISIONS			
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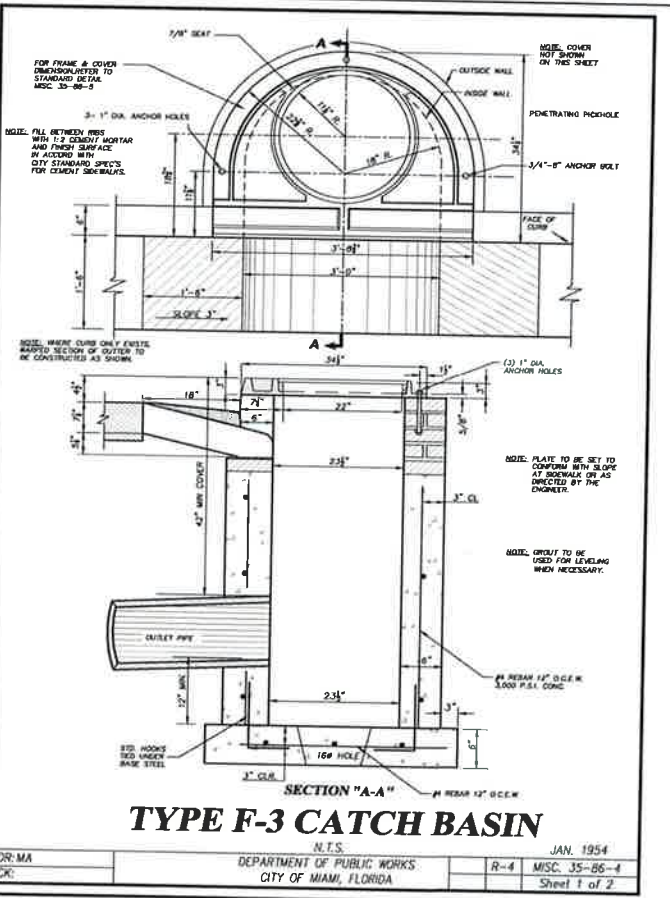
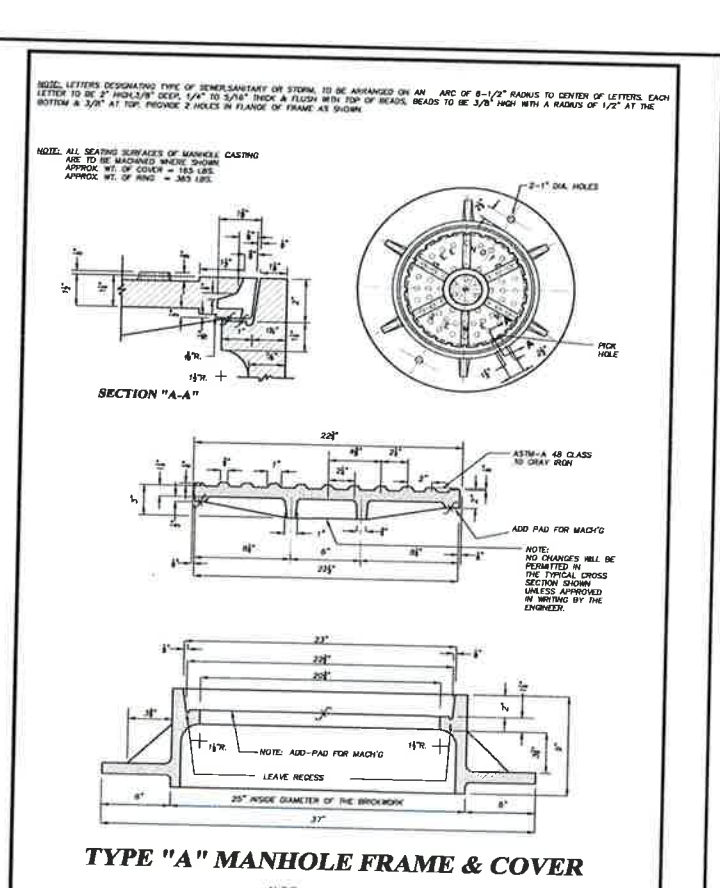
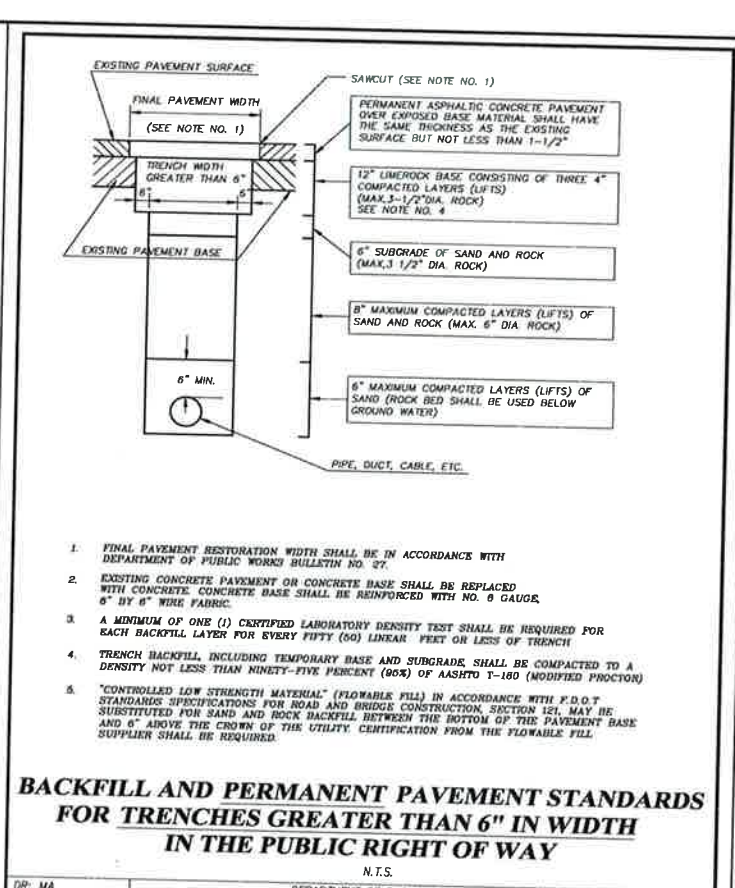
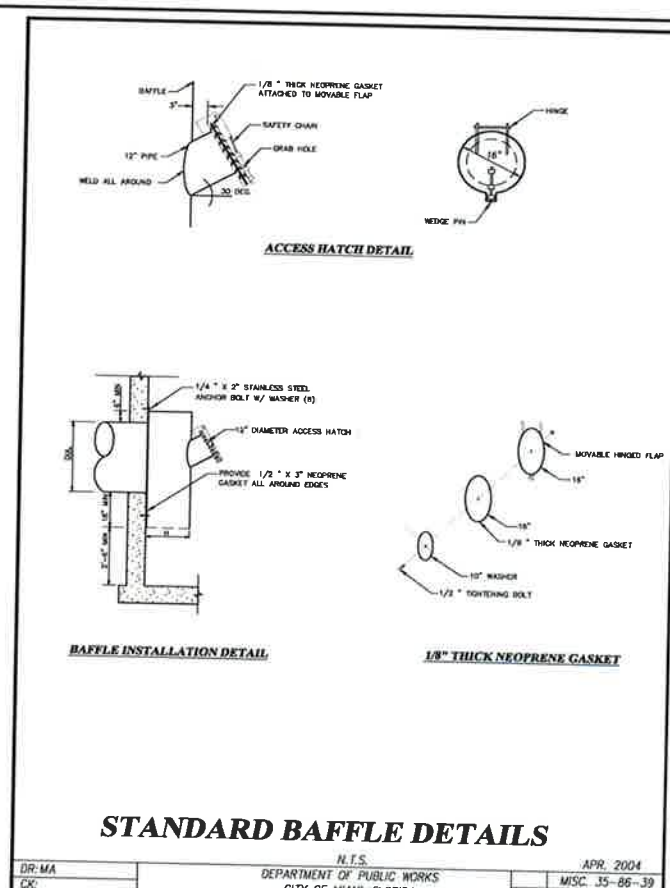
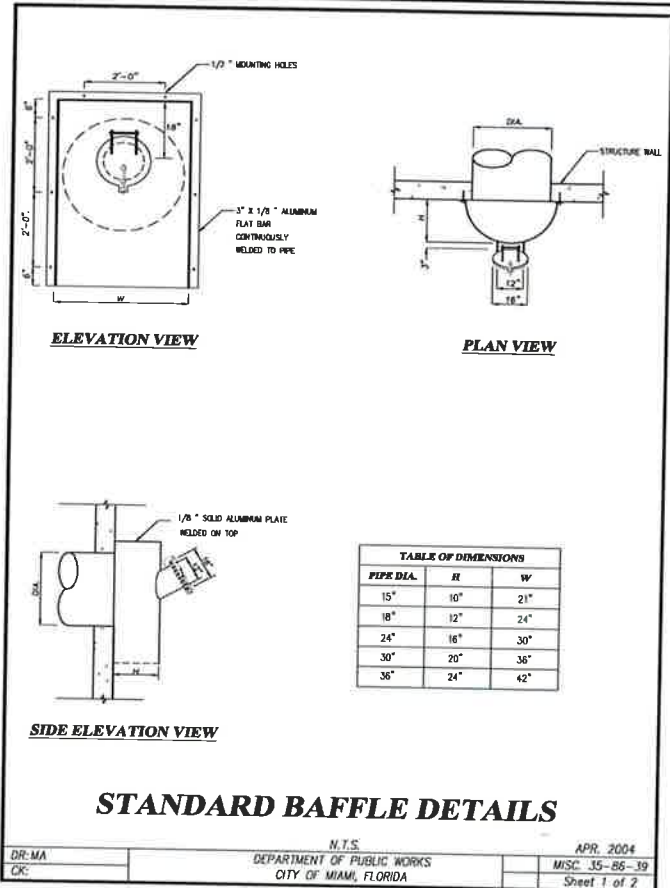
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CITY OF MIAMI
 MARY BRICKELL VILLAGE
 DRAINAGE AND ROADWAY IMPROVEMENTS - PHASE I
 SW/SE 9th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
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 SW/SE 11th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
 SW 12th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
 CITY OF MIAMI PROJECT NUMBER: B-30637

**DRAINAGE STANDARDS
 DETAILS**

SHEET NO.
 26



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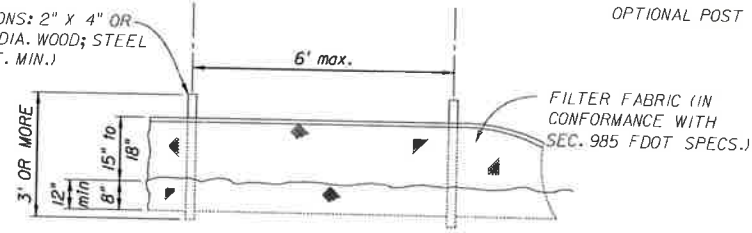
CITY OF MIAMI
 MARY BRICKELL VILLAGE
 DRAINAGE AND ROADWAY IMPROVEMENTS - PHASE I
 SW/SE 9th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
 SW/SE 10th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
 SW/SE 11th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
 SW 12th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
 CITY OF MIAMI PROJECT NUMBER: B-30637

DRAINAGE STANDARDS DETAILS

SHEET NO. 27

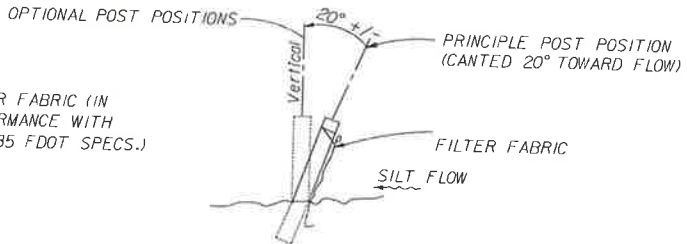


POST (OPTIONS: 2" X 4" OR 2 1/2" MIN. DIA. WOOD; STEEL 1.33 LBS/FT. MIN.)

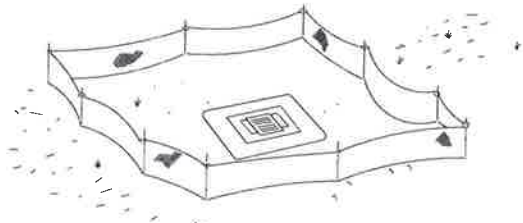


ELEVATION

SILT FENCE DETAIL N.T.S.

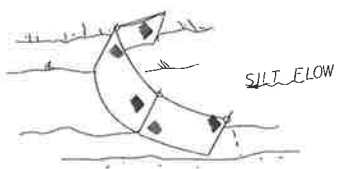


SECTION



TYPE III SILT FENCE PROTECTION AROUND DITCH BOTTOM INLETS.

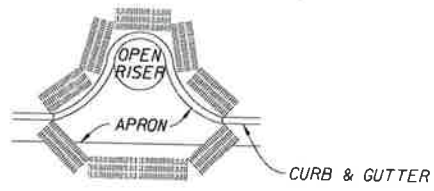
NOTE: DO NOT DEPLOY IN A MANNER THAT SILT FENCES WILL ACT AS A DAM ACROSS PERMANENT FLOWING WATERCOURSES. SILT FENCES ARE TO BE USED AT UPLAND LOCATIONS AND TURBIDITY BARRIERS USED AT PERMANENT BODIES OF WATER.



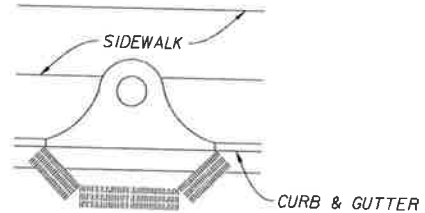
TYPE III SILT FENCE

NOTE: 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 INDEX 102

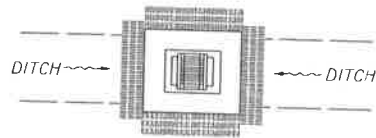
SILT FENCE APPLICATIONS N.T.S.



PARTIAL INLET



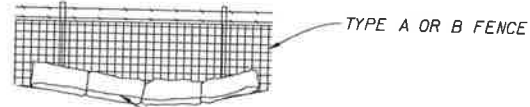
COMPLETED INLET



DITCH BOTTOM INLET

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

ANCHOR BALES WITH 2 - 2"x2"x4' STAKES PER BALE.



NOTE: LOOSE SOIL PLACED BY SHOVEL AND LIGHTLY COMPACTED ALONG UPSTREAM FACE OF BALES. BALES TO BE STAKED AT THE DIRECTION OF THE ENGINEER.

STORM WATER POLLUTION PREVENTION PRACTICES: (FOR PROJECTS OF 1 ACRE OR MORE)

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.
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. * NPDES - NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM
13. STORM WATER, EROSION AND SEDIMENT CONTROL DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY'S MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) PERMIT. THE CONTRACTOR SHALL REQUEST THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) PERMIT AND/OR A NATIONAL POLLUTANT AND DISCHARGE ELIMINATION SYSTEM (NPDES) BEFORE CONSTRUCTION.

STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

EROSION & SEDIMENT CONTROL STABILIZATION PRACTICES:

- TEMPORARY SODDING
- TEMPORARY GRASSING
- PERMANENT PLANTING, SEEDING OR SEED & MULCH
- TEMPORARY MULCHING
- ARTIFICIAL COVERING
- BUFFER ZONES
- PRESERVATION OF NATURAL RESOURCES
- OTHER

STRUCTURAL PRACTICES:

- SAND BAGGING
- HAUL ROADS DAMPENED FOR DUST CONTROL
- LOADED HAUL TRUCKS TO BE COVERED WITH TARPAULIN, OR APPROVED EQUAL.
- EXCESS DIRT ON ROAD REMOVED DAILY
- STABILIZED CONSTRUCTION ENTRANCE
- CONCRETE TRUCK WASH AREA

OTHER CONTROLS: OFFSITE VEHICLE TRACKING:

- OTHER TREATMENT OF STORM WATER TO MEET WATER QUALITY:
- DEEP WELLS
- CULVERTS FOR EMERGENCY OVERFLOW
- POLLUTION CONTROL STRUCTURES
- OTHER

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 (MS4) PERMIT (305) 46-1200.
6. VISIT www.dep.state.fl.us/water/stormwater/index



REVISIONS	
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CITY OF MIAMI
 MARY BRICKELL VILLAGE
 DRAINAGE AND ROADWAY IMPROVEMENTS - PHASE 1
 SW/SE 9th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
 SW/SE 10th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
 SW/SE 11th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
 SW 12th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
 CITY OF MIAMI PROJECT NUMBER: 0-30637

STORMWATER POLLUTION PREVENTION PLAN

SHEET NO. 28

THE FOLLOWING NARRATIVE OF THE STORMWATER POLLUTION PREVENTION PLAN CONTAINS REFERENCES TO THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE DESIGN STANDARDS, AND OTHER SHEETS OF THESE CONSTRUCTION PLANS. THE FIRST SHEET OF THE CONSTRUCTION PLANS KEY SHEET CONTAINS AN INDEX TO THE OTHER SHEETS. THE COMPLETE STORMWATER POLLUTION PREVENTION PLAN INCLUDES SEVERAL ITEMS: THIS NARRATIVE DESCRIPTION, THE DOCUMENTS REFERENCED IN THIS NARRATIVE, THE CONTRACTOR'S APPROVED EROSION CONTROL PLAN REQUIRED BY SPECIFICATION SECTION 104, AND REPORTS OF INSPECTIONS MADE DURING CONSTRUCTION.

- A. THE FOLLOWING NARRATIVE AND REFERENCED DOCUMENTS,
- B. THE CONTRACTOR'S APPROVED EROSION AND SEDIMENT CONTROL PLAN REQUIRED BY SPECIFICATION SECTION 104, CITY OF MIAMI PW BULLETIN No. 25 AND CITY ORDINANCE No. 13081,
- C. REPORT OF INSPECTIONS MADE DURING CONSTRUCTION.

1.0 SITE DESCRIPTION

1.A. NATURE OF CONSTRUCTION ACTIVITY:

THE PLAN DELINEATED IN THIS SWPPP IS FOR CONSTRUCTION ACTIVITIES WITHIN THE MARY BRICKELL VILLAGE AREA ALONG SE/SW 9TH ST. BETWEEN W 1ST AVE. AND E 1ST AVE. (BRICKELL PLAZA) AND ALONG SE/SW 10TH ST. BETWEEN W 1ST AVE. AND E 1ST AVE. AND ALONG SE/SW 11TH ST. BETWEEN W 1ST AVE. AND E 1ST AVE. AND ALONG SE/SW 12TH ST. BETWEEN W 1ST AVE. AND E 1ST AVE. THE PROJECT INCLUDES ASPHALT PAVEMENT MILLING AND RESURFACING, DRAINAGE IMPROVEMENTS, DRIVEWAY REPLACEMENT, SIDEWALK REPLACEMENT AND CURB & GUTTER REPLACEMENT.

1.B. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

IN THE SECTION 104 EROSION & SEDIMENT CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A DETAIL SEQUENCE OF CONSTRUCTION FOR ALL CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL FOLLOW THE SEQUENCE OF MAJOR ACTIVITIES DESCRIBED BELOW, UNLESS THE CONTRACTOR PROPOSES A DIFFERENT SEQUENCE THAT IS THE EQUAL OR BETTER AT CONTROLLING EROSION AND TRAPPING SEDIMENT AND IS APPROVED BY THE ENGINEER.

- INSTALL PERIMETER EROSION AND SEDIMENT CONTROLS AFTER CLEARING AND GRUBBING NECESSARY FOR INSTALLATION OF CONTROLS BUT BEFORE CLEARING AND GRUBBING OTHER AREAS OF THE SITE.
1. CLEARING AND GRUBBING.
 2. ASPHALT MILLING AND RESURFACING

1.C. AREA ESTIMATES

TOTAL PROJECT AREA: 19.11 ACRES
TOTAL AREA TO BE DISTURBED: 3.2 ACRES

1.D. RUNOFF DATA

Runoff Coefficients:

Before Construction: 0.90
During Construction: 0.90
After Construction: 0.90

1.E. SITE MAP

THE SHEETS CONSTRUCTION PLANS ARE BEING USED AS THE SITE MAPS. THE LOCATION OF THE REQUIRED INFORMATION IS DESCRIBED BELOW. THE SHEET NUMBERS FOR THE PLANS REFERENCED IN THIS SECTION ARE IDENTIFIED ON THE KEY SHEET OF THE PLANS.

- * DRAINAGE PATTERNS: THE DRAINAGE BASIN DIVIDES AND FLOW DIRECTIONS ARE SHOWN ON THE DRAINAGE MAP (INCLUDED IN THE DRAINAGE REPORT). THE FLOW ARROWS REPRESENT THE FLOW DIRECTION.
- * APPROXIMATE SLOPES: THE PLANS MAINTAINS A 2% TYPICAL CROSS SLOPE AS INDICATED ON THE TYPICAL SECTION.
- * AREAS OF SOIL DISTURBANCE: THE LIMITS OF SOIL DISTURBANCE ARE SHOWN ON THE TYPICAL SECTION SHEETS AND PLANS SHEETS.
- * AREAS NOT TO BE DISTURBED: ENTIRE PROJECT AREA TO BE DISTURBED.
- * LOCATIONS OF TEMPORARY CONTROLS: ROCK BAGS WILL BE LOCATED AROUND ALL EXISTING AND PROPOSED INLETS; TURBIDITY BARRIERS WILL BE LOCATED AT ANY BODIES OF WATER AFFECTED BY THIS PROJECT.
- * LOCATIONS OF PERMANENT CONTROLS: PERMANENT FEATURES ARE SHOWN ON THE CONSTRUCTION PLANS, WHICH GENERALLY CONSIST OF SOD, ASPHALT, CONCRETE, AND DRAINAGE STRUCTURES.
- * SURFACE WATERS: NONE
- * WETLAND AREAS: NONE
- * AREAS TO BE STABILIZED: NONE

2.0 CONTROLS

2.A. EROSION AND SEDIMENT CONTROLS:

IN THE SECTION 104 EROSION AND SEDIMENT CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED STABILIZATION AND STRUCTURAL PRACTICES BASED ON THE CONTRACTOR'S TRAFFIC CONTROL PLAN. THE FOLLOWING RECOMMENDED GUIDELINES ARE BASED ON THE TRAFFIC CONTROL PLAN (TCP) OUTLINED IN THESE CONSTRUCTION PLANS. THE CONTRACTOR MAY CHOOSE TO ACCEPT THE FOLLOWING GUIDELINES OR MODIFY THEM IN THE SECTION 104 EROSION CONTROL PLAN, SUBJECT TO APPROVAL OF THE ENGINEER. AS WORK PROGRESSES, THE CONTRACTOR SHALL MODIFY THE PLAN TO ADAPT TO SEASONAL VARIATION, CHANGES IN CONSTRUCTION ACTIVITIES AND THE NEED FOR BETTER PRACTICES. TO LIMIT THE TRANSPORT OF SEDIMENT FROM THE CONSTRUCTION AREA, THE CONTRACTOR SHALL MINIMIZE THE SOIL AREAS EXPOSED AT ANY GIVEN TIME AND SHALL STABILIZE AREAS THAT WILL REMAIN IDLE FOR MORE THAN 7 DAYS. THE CONTRACTOR SHALL UTILIZE GRADING TECHNIQUES TO DIRECT RUNOFF TO AREAS WITH THE PROPER EROSION CONTROL FEATURES INSTALLED AND AWAY FROM OPEN WATER OR OTHER SENSITIVE AREAS ADJACENT TO THE WORK SITE.

2.A.1 STABILIZATION PRACTICES:

IN THE SECTION 104 EROSION & SEDIMENT CONTROL PLANS, THE CONTRACTOR SHALL DESCRIBE THE STABILIZATION PRACTICES PROPOSED TO CONTROL EROSION. THE CONTRACTOR SHALL INITIATE ALL STABILIZATION MEASURES AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 14 DAYS. IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED THE STABILIZATION PRACTICES PROPOSED BY THE CONTRACTOR SHALL INCLUDE AT LEAST THE FOLLOWING:

- PERMANENT:
- * ASPHALT OR CONCRETE SURFACE.
 - * SOD IN ACCORDANCE WITH ORDINANCE 12636.

2.A.2 STRUCTURAL PRACTICES:

IN THE SECTION 104 EROSION & SEDIMENT CONTROL PLANS, THE CONTRACTOR SHALL DESCRIBE THE STRUCTURAL PRACTICES TO CONTROL OR TRAP SEDIMENT AND OTHERWISE PREVENT THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. ALL SEDIMENTS CONTROLS SHALL BE IN PLACE BEFORE ANY SOIL DISTURBING ACTIVITY UPSTREAM OF THE CONTROL. THE STRUCTURAL PRACTICES PROPOSED BY THE CONTRACTOR SHALL INCLUDE AT LEAST THE FOLLOWING:

- TEMPORARY:
- * ROCK BAGS IN ACCORDANCE WITH DESIGN STANDARD 102 AND SPECIFICATION SECTION 104.
 - * TURBIDITY BARRIER IN ACCORDANCE WITH DESIGN STANDARD 103 AND SPECIFICATION SECTION 104
- PERMANENT:
- * CURB AND GUTTER
 - * DRAINAGE STRUCTURES
 - * SOD

2.B. STORM WATER MANAGEMENT:

DRAINAGE PATTERNS AND DIVIDES ARE INCLUDED ON THE DRAINAGE MAP INCLUDED IN THE DRAINAGE REPORT. STORM WATER IS CAPTURE BY PROPOSED INLETS AND RETAIN IN INFILTRATION TRENCHES

2.C. OTHER CONTROLS:

THE CONTRACTOR SHALL PRACTICE GOOD HOUSEKEEPING BY INSTITUTING A CLEAN, ORDERLY CONSTRUCTION SITE; THE FOLLOWING CONTROLS SHALL BE IMPLEMENTED TO FURTHER REDUCE POLLUTION AT THE PROJECT SITE:

2.C.1. DISCHARGE OF MATERIAL TO SURFACE WATERS:

NO CONSTRUCTION MATERIAL SHALL BE DISCHARGE TO WATERS OF THE STATE UNLESS AUTHORIZED BY SECTION 40. PERMIT AND/OR CONSTRUCTION DEBRIS SHALL BE DISPOSED OF IN AN APPROVED UPLAND LOCATION. BUILDING MATERIAL SHALL NOT BE DISPOSED OF IN WETLANDS OR BURIED ON-SITE. IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED METHODS TO PREVENT THE DISCHARGE OF SOLID MATERIALS, INCLUDING BUILDING MATERIAL. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

- * PROVIDE LITTER CONTROL AND COLLECTION WITHIN THE PROJECT LIMITS DURING CONSTRUCTION ACTIVITIES.
- * DISPOSE OF ALL FERTILIZER OR OTHER CHEMICAL CONTAINERS ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER.
- * DISPOSE OF SOLID MATERIALS INCLUDING BUILDING AND CONSTRUCTION MATERIALS OFF THE PROJECT SITE BUT NOT IN SURFACE WATERS OR WETLANDS.

2.C.2. OFF-SITE VEHICLE TRACKING AND DUST CONTROL:

THE CONTRACTOR SHALL TAKE MEASURES TO INSURE THE CLEANUP OF THE SEDIMENTS THAT HAVE BEEN TRACKED BY VEHICLES OR HAVE BEEN TRANSPORTED BY WIND OR STORM WATER ABOUT THE SITE OR ONTO NEARBY ROADWAYS.

STABILIZED CONSTRUCTION ENTRANCES AND CONSTRUCTION ROADS, IF APPROPRIATE, SHALL BE IMPLEMENTED IN ORDER TO REDUCE OFF-SITE TRACKING. LOADED HAUL TRUCKS SHALL BE COVERED WITH TARPULIN. EXCESS DIRT ON THE ROAD SHALL BE REMOVED DAILY. PROVIDE A STREET SWEEPING PLAN TO THE CITY INSPECTOR.

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED METHODS FOR MINIMIZING OFF-SITE VEHICLE TRACKING OF SEDIMENTS AND GENERATING DUST. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING UNLESS OTHERWISE APPROVED BY THE ENGINEER.

- * COVER LOADED HAUL TRUCKS WITH TARPULINS.
- * REMOVE EXCESS DIRT FROM ROADS DAILY.
- * STABILIZE CONSTRUCTION ENTRANCES ACCORDING TO DESIGN STANDARDS 106. (CONSTRUCTION ENTRANCES ARE ALREADY STABILIZED FOR THIS PROJECT)

2.C.3. WASTE DISPOSAL, SANITARY SEWER OR SEPTIC TANK REGULATIONS:

THE CONTRACTOR SHALL DEMONSTRATE THE PROPER DISPOSAL OF ALL CONSTRUCTION WASTE GENERATED WITHIN THE PROJECT LIMITS. WASTE MAY INCLUDE, BUT NOT LIMITED TO, VEGETATION FROM CLEANING AND GRUBBING ACTIVITIES, PACKAGING MATERIAL, SCRAP BUILDING MATERIAL, LITTER FROM TRAVELING PUBLIC, SEWAGE FROM SANITARY FACILITIES, HERBICIDES AND PESTICIDES AND THEIR CONTAINERS, AND HYDROCARBON PRODUCTS SHALL BE DESIGNATE A WASTE COLLATION AREA ON SITE AND DELINEATE THE AREA ON THE SWPPP SITE MAP.

SANITARY SEPTIC FACILITIES SHALL BE PROVIDED AND MAINTAINED IN A NEAT AND SANITARY CONDITION, FOR THE USE OF THE CONTRACTOR'S EMPLOYEES AS NECESSARY TO COMPLY WITH THE REQUIREMENTS AND REGULATIONS OF THE STATE AND LOCAL BOARDS OF HEALTH. A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR AS REQUIRED BY THE STATE REGULATIONS WILL COLLECT ALL SANITARY WASTE FROM PORTABLE UNITS.

THE CONTRACTOR WILL PROVIDE LITTER CONTROL AND COLLECTION WITHIN THE PROJECT LIMITS DURING CONSTRUCTION ACTIVITIES. CONTRACTOR WILL PROVIDE AN ADEQUATE NUMBER OF LITTER CONTAINERS WITH LIDS AT THE STAGING STOCKPILE AND FIELD OFFICE AREAS. WASTE COLLECTION WILL BE SCHEDULED SO THAT CONTAINERS ARE EMPTIED PRIOR TO OVERFLOW. SPILLED LITTER CONTAINERS WILL BE CLEANED UP IMMEDIATELY.



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CITY OF MIAMI
MARY BRICKELL VILLAGE
DRAINAGE AND ROADWAY IMPROVEMENTS - PHASE I
SW/SE 9th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
SW/SE 10th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
SW/SE 11th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
SW/SE 12th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
CITY OF MIAMI PROJECT NUMBER: B-30637

STORMWATER POLLUTION PREVENTION PLAN

SHEET NO. 29

2.C.4. FERTILIZERS AND PESTICIDES:
THE APPLICATION AND HANDLING OF HERBICIDES AND PESTICIDES SHALL BE IN COMPLIANCE WITH THE MANUFACTURER'S RECOMMENDED METHOD AND IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION FOR ROADS AND BRIDGE CONSTRUCTION. HERBICIDES AND PESTICIDES SHALL BE ON SITE IN THEIR ORIGINAL CONTAINERS WITH PRODUCT LABEL INTACT.

2.C.5 TOXIC/HAZARDOUS MATERIAL HANDLING

CONTRACTOR SHALL PROVIDE EQUIPMENT NECESSARY TO CONTAIN AND CLEAN UP SPILLS OF HAZARDOUS MATERIAL AFTER THEY OCCUR. SPILLED MATERIAL AND THE EQUIPMENT USED TO CLEAN UP THE SPILL SHALL NOT COME IN CONTACT WITH SURFACE WATERS OR BE INTRODUCED INTO STORM WATER. DISPOSAL OF SURPLUS PRODUCT WILL BE DONE ACCORDING TO MANUFACTURE RECOMMENDED METHOD.

CONTRACTOR SHALL PROVIDE A PROJECT SPECIFIC HAZARDOUS MATERIAL SPILL CONTROL PLAN TO ADDRESS THE HANDLING OF HYDROCARBON AND HAZARDOUS MATERIALS.

PETROLEUM PRODUCTS SHALL BE STORED IN COVERED AREAS WITH SECONDARY CONTAINMENT SURROUNDING CONTAINER.

TOXIC/HAZARDOUS MATERIAL EXPOSED DURING CONSTRUCTION ACTIVITIES SHALL BE HANDLE AS PER THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

2.D STATE AND LOCAL PERMITS TO BE APPLIED FOR:

- * CLASS II FROM THE DEPARTMENT OF ENVIRONMENTAL RESOURCES MANAGEMENT.
- * NPDES FROM THE CITY OF MIAMI PUBLIC WORKS DEPARTMENT

3.0 MAINTENANCE

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A PLAN FOR MAINTAINING ALL EROSION AND SEDIMENT CONTROLS THROUGHOUT CONSTRUCTION. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED IN GOOD WORKING ORDER BY THE CONTRACTOR. IF A CONTROL NEEDS REPAIR OR REPLACEMENT, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT AND RECORDED ON THE INSPECTION FORMS. MAINTENANCE SHALL CONTINUE UNTIL ALL ERODIBLE SOILS WITHIN THE CONTRIBUTING AREA HAVE BEEN STABILIZED. AT THIS POINT, THE CONTRACTOR SHALL REMOVE EXCESS SILT AT THE CONTROLS AND REMOVE THE TEMPORARY DEVICES. THE MAINTENANCE PLAN SHALL AT MINIMUM, COMPLY WITH THE FOLLOWING:

- * INLET PROTECTION (ROCK BAGS): THE CONTRACTOR SHALL INSPECT THE PROTECTED INLETS EVERY TWO WEEKS AND REPLACE THE ROCK BAGS IF NECESSARY OR WHEN EXCESSIVE POUNDING OCCURS; ELIMINATE BREACHES IN THE PROTECTION.
- * TURBIDITY BARRIER: MAINTAIN AS PER SECTION 104 OF THE SPECIFICATIONS.
- * STREET SWEEPING: DAILY CONTROL AND DUST PREVENTION WITH WATER TRUCK.
- * GRASSED AREAS: NEWLY SODDED AREAS AND ADJACENT AREAS DISTURBED BY CONSTRUCTION OPERATIONS SHALL BE REPAIRED AND MAINTAINED, WATERING AND MOWING AS NEEDED OR REQUIRED IN THE FDOT STANDARD SPECIFICATIONS.

4.0 INSPECTIONS

QUALIFIED PERSONNEL SHALL INSPECT ALL THE CONTROL FEATURES AT LEAST ONE EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.50 INCHES OR GREATER. TO COMPLY THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAUGES AND RECORD THE DAILY RAINFALL. WHERE SITES HAVE BEEN PERMANENTLY STABILIZED, INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY WEEK. THE CONTRACTOR SHALL ALSO ENSURE THAT CONTROLS INSTALLED IN THE FIELD AGREE WITH THE LATEST STORMWATER POLLUTION PREVENTION PLAN (SWPPP). THE FOLLOWING ITEMS WILL BE INSPECTED:

- * POINTS OF DISCHARGE TO SURFACE WATERS OR WETLANDS: INSPECT TO DETERMINE IF CONTROLS ARE EFFECTIVE IN PREVENTING OR MINIMIZING THE DISCHARGE OF POLLUTANTS.
- * POINTS OF DISCHARGE TO MUNICIPAL SEWER SYSTEMS (INLETS, ETC.): INSPECT TO DETERMINE IF CONTROLS ARE EFFECTIVE IN PREVENTING OR MINIMIZING THE DISCHARGE OF POLLUTANTS.
- * DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED: INSPECT FOR EVIDENCE OF POTENTIAL FOR DISCHARGING POLLUTANTS INTO SURFACE WATERS OR STORMWATER SYSTEMS.

- * AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION: INSPECT FOR EVIDENCE OF POTENTIAL FOR DISCHARGING POLLUTANTS INTO SURFACE WATERS OR STORMWATER SYSTEMS.
- * STRUCTURAL CONTROLS: INSPECT FOR PROPER INSTALLATION AND OPERATION.
- * STORMWATER MANAGEMENT SYSTEMS: INSPECT FOR PROPER OPERATION, EVIDENCE OF FLOODING DUE TO SEDIMENTATION OR CONTROLS REQUIRING MAINTENANCE.
- * LOCATIONS WHERE VEHICLES ENTER AND EXIT THE SITE: INSPECT FOR EVIDENCE OF OFFSITE TRACKING.

THE CONTRACTOR SHALL INITIATE WITHIN 24 HOURS OF INSPECTION THAT INDICATES ITEMS ARE NOT IN GOOD WORKING ORDER BASED ON THE RESULTS OF THE INSPECTION, ALL MAINTENANCE OPERATIONS NEEDED TO ASSURE PROPER OPERATION OF ALL CONTROLS, BMP'S OR MEASURES IDENTIFIED IN THIS SWPPP SHALL BE DONE IN A TIMELY MANNER, BUT NO LATER THAN 7 CALENDAR DAYS FOLLOWING THE INSPECTION. IF NEEDED, POLLUTION PREVENTION CONTROLS SHALL BE REVISED AS APPROPRIATE IF FAILURES IN THE PLAN ARE NOTED; THESE REVISIONS SHALL BE IMPLEMENTED NO LATER THAN 7 CALENDAR DAYS FOLLOWING THE INSPECTION.

A REPORT (USE FDOT FORM 650-040-03) SUMMARIZING THE SCOPE OF THE INSPECTION SHALL INCLUDE THE INSPECTOR'S NAME, QUALIFICATIONS, DATE, RAINFALL DATA, OBSERVATIONS RELATING TO THE SWPPP, AND ACTIONS TAKEN SINCE THE LAST REPORT. THE REPORT SHALL IDENTIFY ALL INCIDENTS OF NON-COMPLIANCE.

IF THERE ARE NO INCIDENTS OF NON-COMPLIANCE, THE REPORT SHALL CONTAIN A CERTIFICATION THAT THE FACILITY IS IN COMPLIANCE WITH THE SWPPP AND THE PERMIT. THE REPORT SHALL BE SIGNED AND FILED AS REQUIRED BY THE GENERIC PERMIT.

THE CONTRACTOR SHALL MAINTAIN A FILE CONTAINING THE CURRENT SWPPP, NOI SUBMITTAL, CERTIFICATIONS AND ALL THE SIGNED INSPECTION REPORTS; THE NOTICE OF INTENT SUBMITTED AS REQUIRED BY CHAPTER 62-621, FAC, MUST BE POSTED AT THE SITE.

5.0 NON-STORM WATER DISCHARGES:

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL IDENTIFY ALL ANTICIPATED NON-STORM WATER DISCHARGES (EXCEPT FLOWS FROM FIRE FIGHTING ACTIVITIES) SUCH AS THOSE LISTED BELOW. THE CONTRACTOR SHALL DESCRIBE THE PROPOSED MEASURES TO PREVENT POLLUTION FROM THESE NON-STORM WATER DISCHARGES.

IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR IS TO CEASE OPERATIONS IN THAT AREA. THE CONTRACTOR SHALL CONTACT THE CITY OF MIAMI PROJECT MANAGER. A DEWATERING PERMIT IS REQUIRED TO REMOVED GROUNDWATER FROM THE CONSTRUCTION SITE.

- * CULVERT INSTALLATION METHODS
- * SLURRY DISPOSAL
- * DUST CONTROL
- * EQUIPMENT WASHOUT
- * PIPE DESILTING ACTIVITIES
- * IRRIGATION

6.0 CONTRACTOR SUBMITTAL:

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DEVELOP AN EROSION CONTROL PLAN THAT PROVIDES A DETAILED DESCRIPTION OF ALL EROSION AND SEDIMENT CONTROLS, BMP'S AND MEASURES THAT WILL BE IMPLEMENTED AT THE CONSTRUCTION SITE FOR EACH ACTIVITY IDENTIFIED IN SECTION I.B SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES. CONTRACTOR IS RESPONSIBLE FOR PROVIDING TIME FRAMES IN WHICH THE CONTROLS WILL BE IMPLEMENTED, MAINTAINED AND REMOVED. THIS INFORMATION SHALL BE CONSIDERED IN COMPLIANCE WITH THE FDEP GENERIC PERMIT FOR STORM WATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION SITES.

THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THE FOLLOWING ITEMS ARE ON SITE:

1. COPY OF THE SWPPP WITH THE ORIGINAL CERTIFICATION SIGNATURES.
2. COPY OF THE CONTRACTOR'S EROSION CONTROL PLAN.
3. HAZARDOUS SPILL CONTROL PLAN WITH GUIDELINES ON CONTACTING THE 24-HOUR EMERGENCY RESPONSE PROGRAM FOR HAZARDOUS MATERIAL SPILLS. THIS SHALL INCLUDE COPIES OF DISCHARGE NOTIFICATIONS THAT HAVE OCCURRED WITHIN THE PROJECT LIMITS.
4. COMPLETE INSPECTION FORMS.

REVISIONS			
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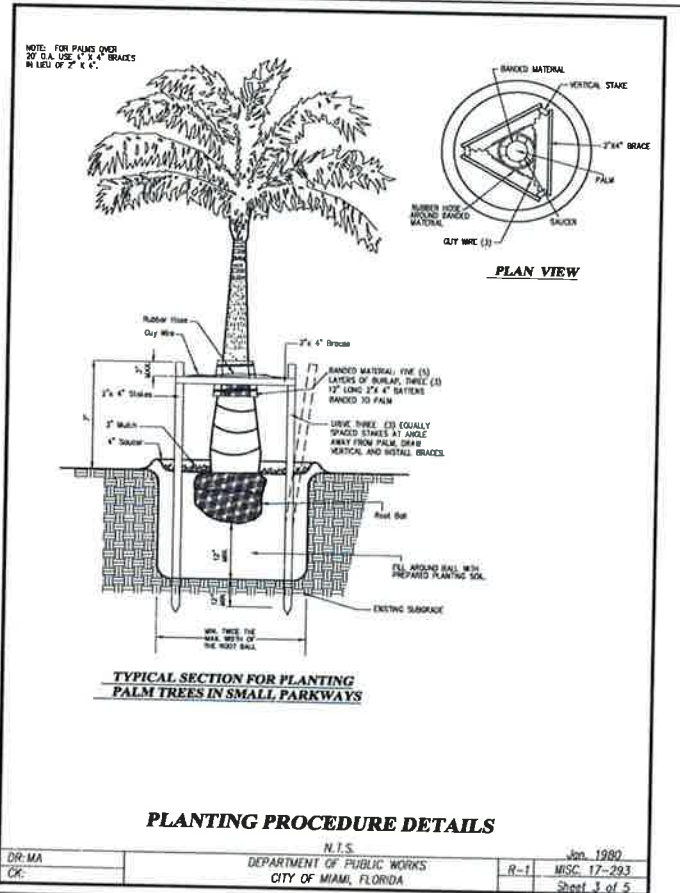
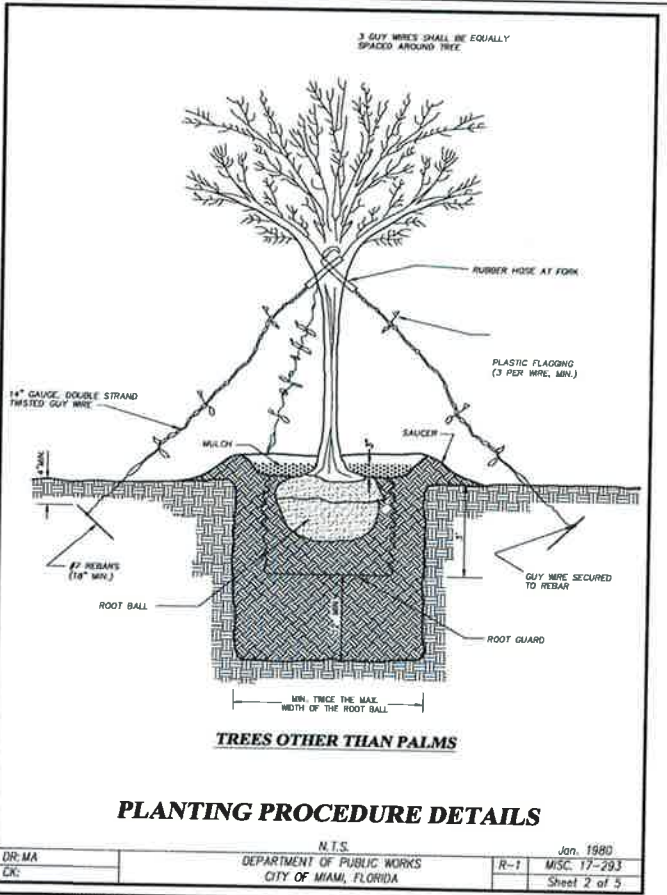
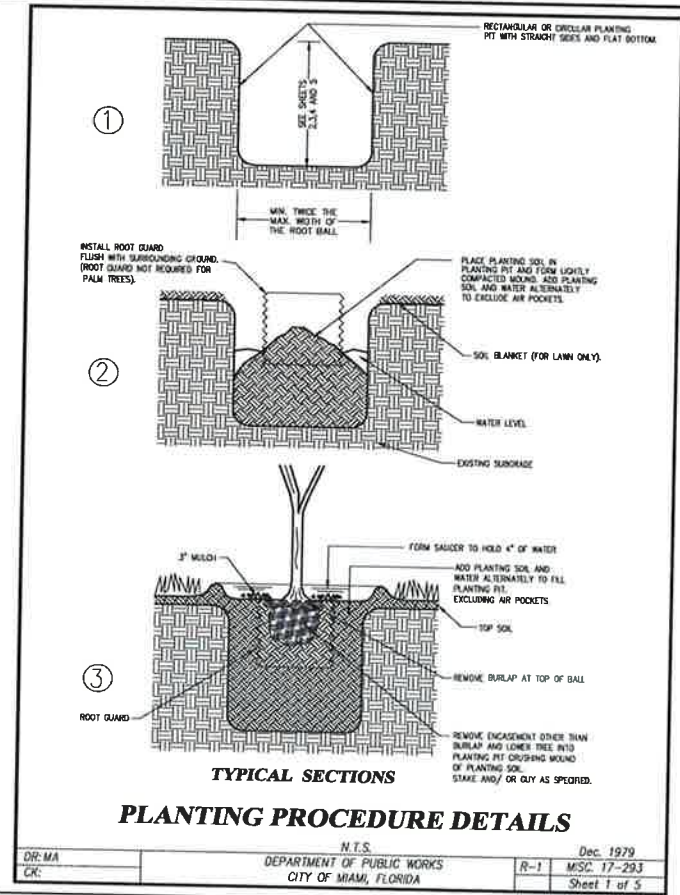
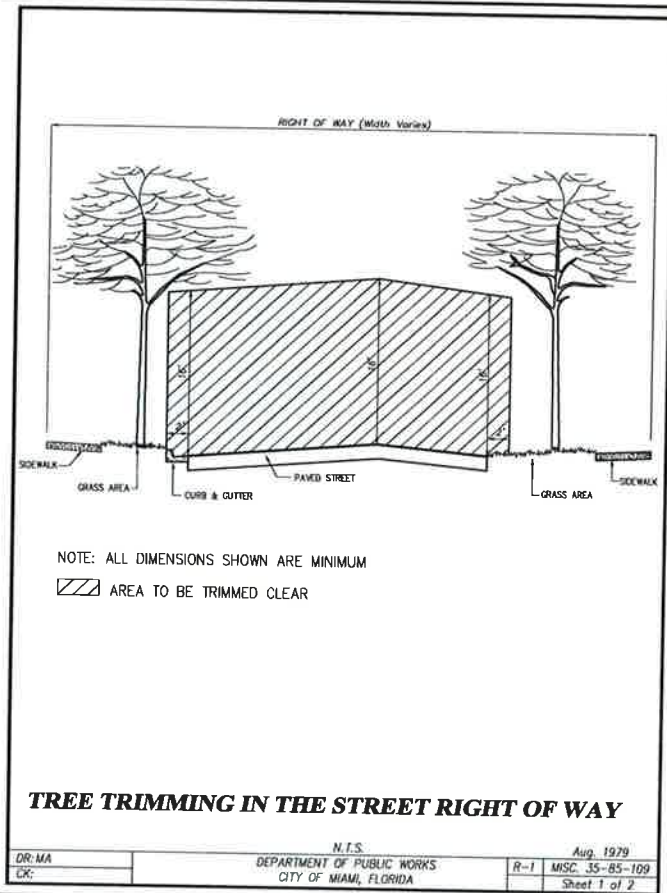


CITY OF MIAMI
MARY BRICKELL VILLAGE
DRAINAGE AND ROADWAY IMPROVEMENTS - PHASE I
SW/SE 9th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
SW/SE 10th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
SW/SE 11th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
SW 12th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
CITY OF MIAMI PROJECT NUMBER: B-30637

STORMWATER POLLUTION PREVENTION PLAN

SHEET NO. 30





REVISIONS	
DATE	DESCRIPTION

T·Y·LIN INTERNATIONAL
 201 ALHAMBRA CIRCLE SUITE 900
 Coral Gables, Florida. 33134
 Phone: 305 / 567-1888 Fax: 305 / 567-1771



CITY OF MIAMI
 MARY BRICKELL VILLAGE
 DRAINAGE AND ROADWAY IMPROVEMENTS - PHASE I
 SW/SE 9th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
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 SW 12th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
 CITY OF MIAMI PROJECT NUMBER: B-30637

**PLANTING STANDARDS
 DETAILS**

SHEET NO.
31

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 INCIDENTAL TO THE PROJECT AT NO ADDITIONAL COST TO THE CONTRACTOR.
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 COVERING OR REMOVING/RELOCATING AND RESTORING THE SIGNS SHALL BE INCIDENTAL TO THE PROJECT AT NO ADDITIONAL COST TO THE CONTRACTOR.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE REMOVAL OF STORMWATER FROM ROADWAYS UTILIZED FOR MAINTAINING TRAFFIC THRU THE WORK ZONE IN A MANNER APPROVED BY THE ENGINEER. COST FOR REMOVING THE WATER SHALL BE DEEEMED INCIDENTAL TO THE PROJECT COST.
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 CROSSEOVERS SHALL HAVE SOLID LANE AND EDGE LINES FOR THE LENGTH OF THE TRANSITION, SHIFT OR CROSSEOVER. IN ADDITION, SOLID LANE AND EDGE LINES SHALL EXTEND 100 FT ON TANGENT BEYOND EACH END OF THE TRANSITION, SHIFT, OR CROSSEOVER. 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. CONTRACTOR SHALL NOT PERFORM CONSTRUCTION ACTIVITIES ON MORE THAN ONE STREET SIMULTANEAOUSLY. CONSTRUCTION SHALL BE SUBSTANTIALLY COMPLETE ON A STREET AND APPROVED BY THE CITY ENGINEER PRIOR TO THE CONTRACTOR COMENCING CONSTRUCTION ON A SUBSEQUENT STREET.

DROP OFFS:

15. THE CONTRACTOR SHALL PROTECT THE WORK ZONE WITH DEVICES APPROVED BY THE CITY OF MIAMI FIELD ENGINEER WHEN DROP OFFS EXCEED 3" ADJACENT TO TRAVEL WAYS.

MARKINGS:

16. THE CONTRACTOR SHALL REMOVE ANY EXISTING OR TEMPORARY MARKINGS THAT CONFLICT WITH THE TRAFFIC CONTROL PLANS. GRINDING OR MILLING WITHOUT ASPHALT OVERLAY SHALL NOT BE PERMITTED IN NON-TRAFFIC AREAS AS DESIGNATED BY THE ENGINEER. PAVEMENT MARKINGS SHALL BE REPLACED AT THE TIME TRAFFIC CONTROL PLANS ARE NO LONGER AFFECTED BY THEIR PLACEMENT. COST OF REMOVAL AND REPLACEMENT OF PAVEMENT MARKINGS SHALL BE INCIDENTAL TO THE PROJECT AT NO ADDITIONAL COST TO THE CONTRACTOR. USE OF BLACK PAINT TO COVER EXISTING AND/OR TEMPORARY PAVEMENT MARKINGS IS PROHIBITED.

SIGNALS:

17. CONTRACTOR SHALL NOTIFY MIAMI DADE COUNTY SIGNS AND SIGNALS DIVISION LOCATED AT 7100 N.W. 36TH STREET MIAMI, FLORIDA, 33166 AND PHONE NO. (305) 592-3470, 48 HOURS PRIOR TO ANY MODIFICATION OF AN EXISTING TRAFFIC SIGNAL SYSTEM. THE CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR THE MAINTENANCE OF THE EXISTING OR TEMPORARY TRAFFIC SIGNAL(S) WITHIN THE PROJECT LIMITS. COST OF RELOCATING TRAFFIC SIGNAL HEADS, PROVIDING AND REMOVING TEMPORARY SIGNALS AND CONTROLLERS, AND MAINTAINING THE EXISTING OR TEMPORARY TRAFFIC SIGNALS AND CONTROLLERS SHALL BE INCIDENTAL TO THE PROJECT AT NO ADDITIONAL COST TO THE CONTRACTOR.

PEDESTRIANS, BICYCLES, AND WHEELCHAIRS:

18. AT THE END OF EACH WORK DAY OR WHENEVER THE WORK ZONE BECOMES INACTIVE, ANY DROP OFF ADJACENT TO THE PEDESTRIAN, BICYCLE, AND WHEELCHAIR TRAVEL PATHS SHALL BE BACKFILLED FLUSH WITH THE SAID PATHS OR PROTECTED WITH BARRICADES, TEMPORARY CONCRETE BARRIER, OR APPROVED HANDRAIL. COST OF BACKFILLING DROP OFF SHALL BE INCIDENTAL TO THE PROJECT .
19. CONSTRUCTION ACTIVITIES THAT INVOLVES SIDEWALKS ON BOTH SIDES OF THE STREET ARE NOT ALLOWED UNLESS APPROVED BY THE ENGINEER.
20. MAINTAIN PEDESTRIAN ACCESS TO BUS STOP AND METROMOVER STATIONS 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).

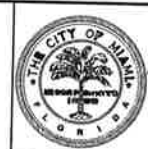
PHASING NOTES:

1. PHASES SEQUENCES SHOWN ON THE TTCP ARE FOR INFORMATION PURPOSES AND CAN BE ALTERNATED BY THE CONTRACTOR AS LONG AS ONE PHASE IS SUBSTANTIALLY COMPLETED AT A TIME, AND APPROVED BY THE CITY ENGINEER BEFORE COMMENCING CONSTRUCTION OF THE NEXT PHASE.
2. 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.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

T·Y·LIN INTERNATIONAL
 201 ALHAMBRA CIRCLE SUITE 900
 Coral Gables, Florida. 33134
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CITY OF MIAMI
 MARY BRICKELL VILLAGE
 DRAINAGE AND ROADWAY IMPROVEMENTS - PHASE I
 SW/SE 9th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
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 CITY OF MIAMI PROJECT NUMBER: B-30637

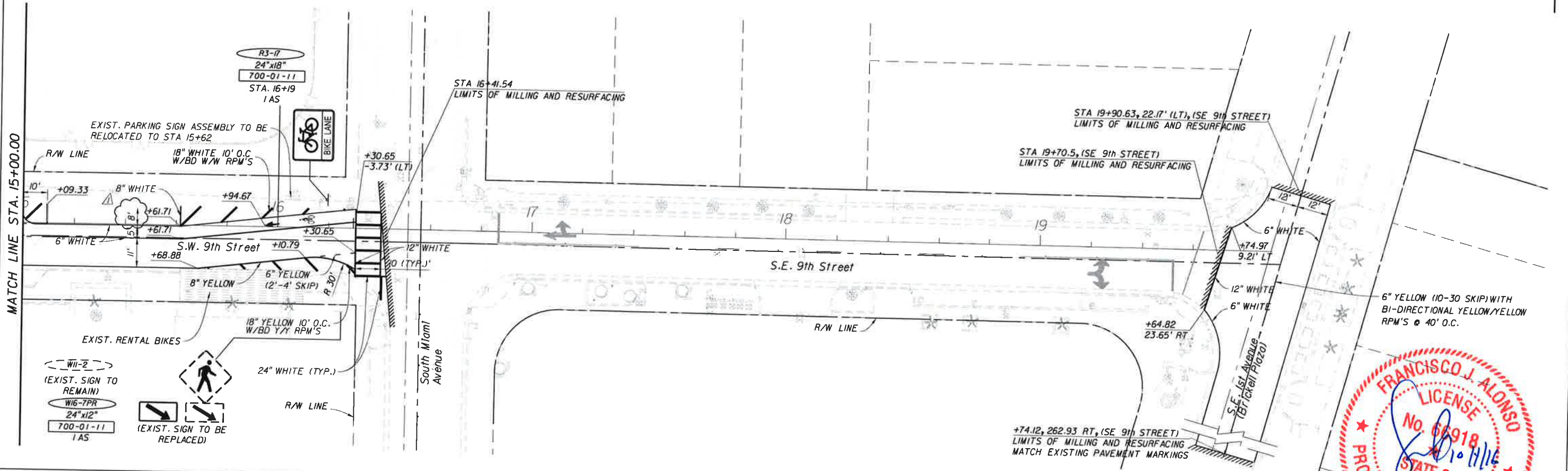
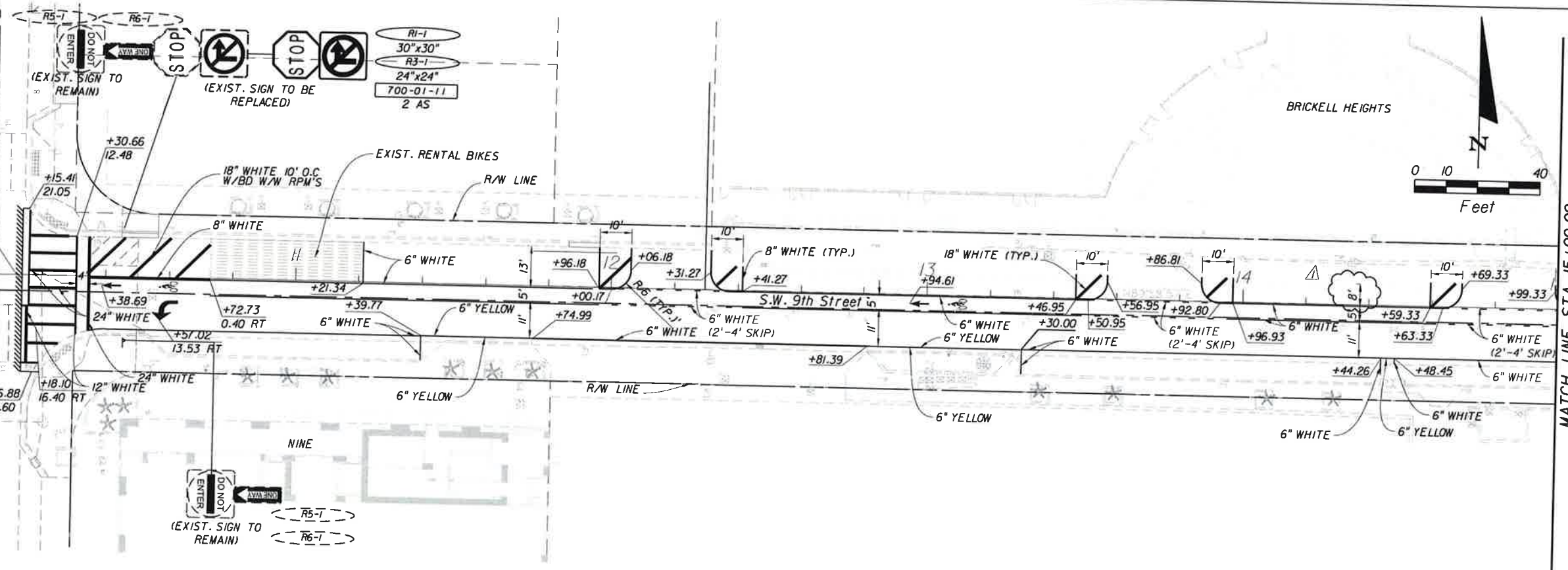
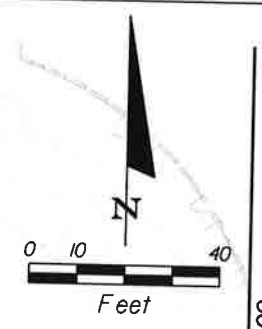
TRAFFIC CONTROL NOTES

SHEET NO.
 32

STA. 10+13.46
LIMITS OF MILLING AND RESURFACING
MATCH EXISTING PAVEMENT MARKINGS

REFER TO CITY OF MIAMI
PROJECT B-30833
FOR SW 1st AVENUE
IMPROVEMENTS

BRICKELL HEIGHTS



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
05/16/16	ROADWAY SECTION REVISION		

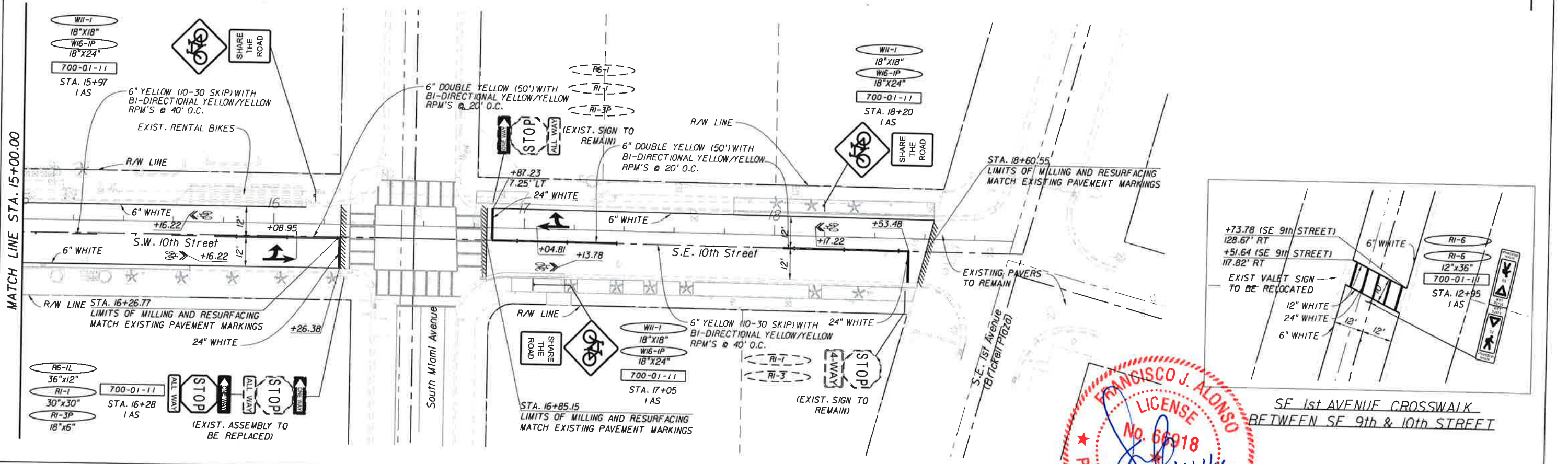
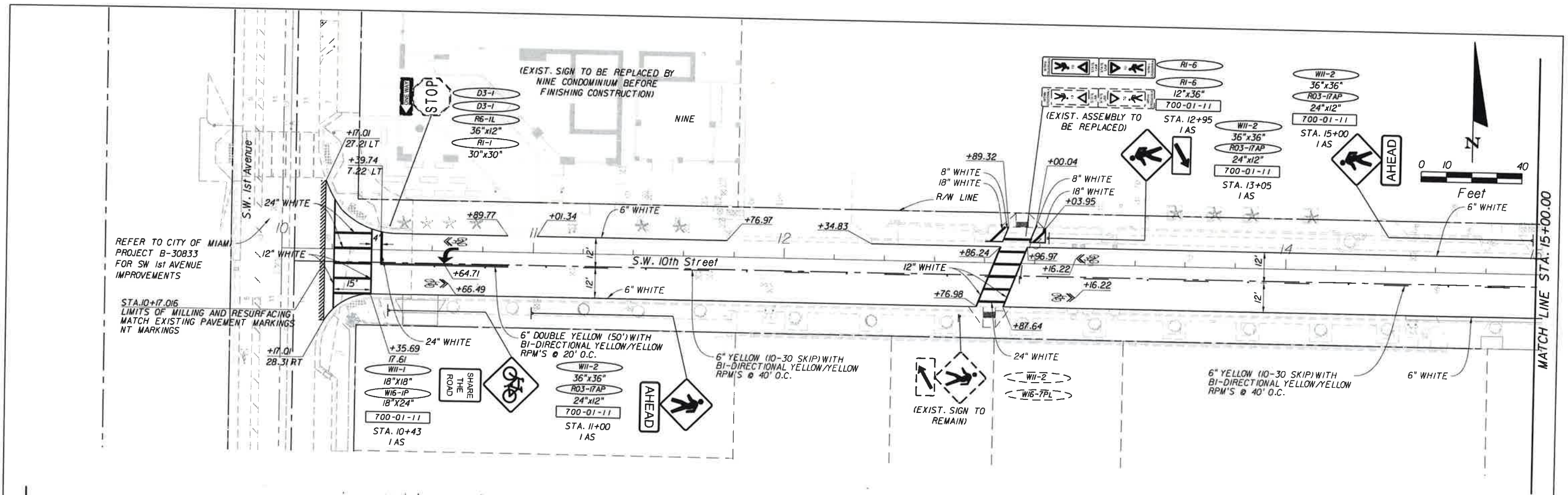
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CITY OF MIAMI
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SW 12th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
CITY OF MIAMI PROJECT NUMBER: B-30637

SIGNING & PAVEMENT MARKING PLAN
S.W./S.E. 9th STREET

SHEET NO.
33



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

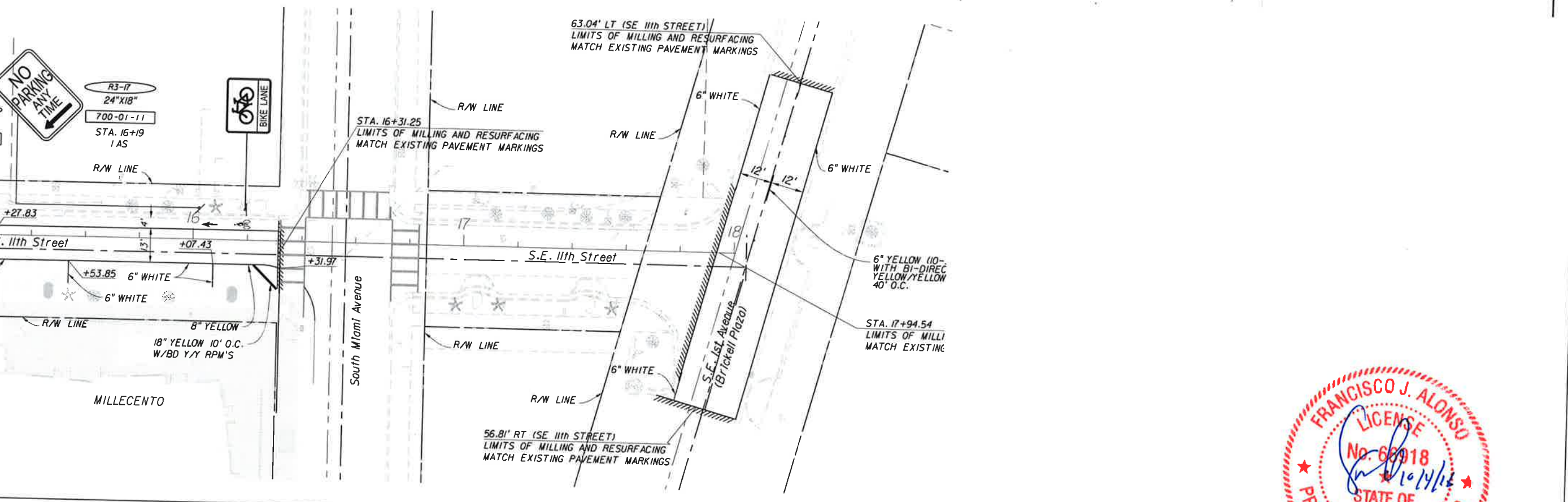
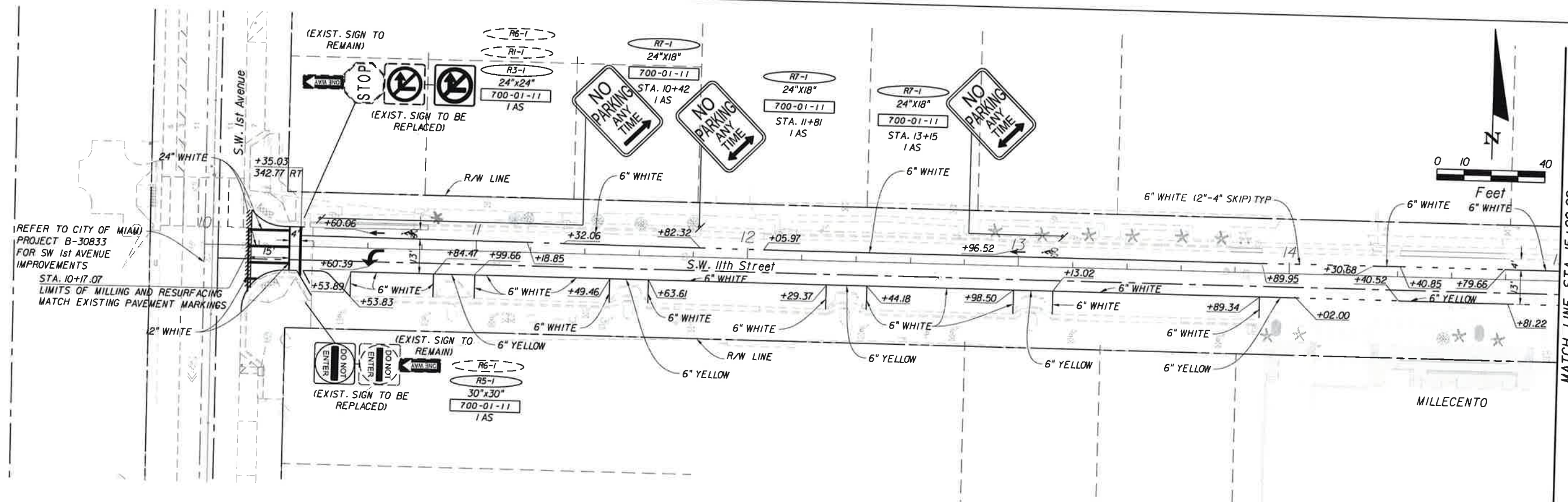
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CITY OF MIAMI
 MARY BRICKELL VILLAGE PHASE
 DRAINAGE AND ROADWAY IMPROVEMENT
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 CITY OF MIAMI PROJECT NUMBER: B-30637

FRANCISCO J. ALONSO
 LICENSE No. 66918
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

SIGNING & PAVEMENT MARKING PLAN
S.W./S.E. 10th STREET

SHEET NO. **34**



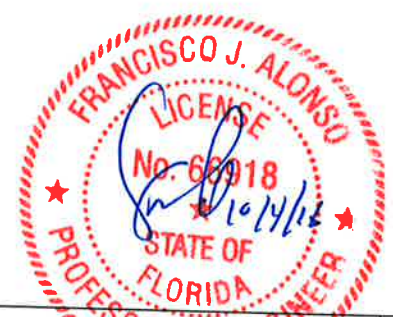
REVISIONS			
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 SW 12th STREET FROM W 1st AVENUE TO SOUTH MIAMI AVENUE
 CITY OF MIAMI PROJECT NUMBER: B-30637

SIGNING & PAVEMENT MARKING PLAN
S.W./S.E. 11th STREET

SHEET NO. **35**



MATCH LINE STA. 15+00.00

MATCH LINE STA. 15+00.00

100% PLANS

REFER TO CITY OF MIAMI PROJECT B-30833 FOR SW 1st AVENUE IMPROVEMENTS

STA. 10+25.42, 500' RT LIMITS OF MILLING AND RESURFACING

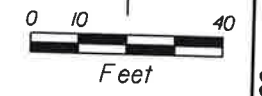
R1-1 (EXIST. SIGN TO REMAIN)

(EXIST. SIGN TO BE REPLACED)

(EXIST. SIGN TO REMAIN)

W11-2
36"x36"
R03-ITAP
24"x12"
700-01-11
STA. 13+82
1 AS

6" YELLOW (10-30 SKIP) WITH BI-DIRECTIONAL YELLOW/YELLOW RPM'S @ 40' O.C.



R3-5L
30"x36"
700-01-11
1 AS

6" DOUBLE YELLOW (50') WITH BI-DIRECTIONAL YELLOW/YELLOW RPM'S @ 20' O.C.

SI-1
36"x36"
W16-7PR
700-01-11

+37.22
7.26 LT

+49.09

+67.57

+99.70

+48.21

+62.36

+90.65
2.41 RT

+67.57

+77.57

+99.70

+46.25

+96.25

+18.56

+67.57

+99.70

W11-1
18"x18"
W16-1P
18"x24"
700-01-11
STA. 10+39
1 AS



AHEAD



W11-2
36"x36"
R03-ITAP
24"x12"
700-01-11
STA. 10+82
1 AS

W11-2
36"x36"
R03-ITAP
24"x12"
700-01-11
STA. 11+82
1 AS



AHEAD

(EXIST. SIGN TO BE REPLACED)

S5-02
24"x30"
700-01-11
1 AS

W11-1
18"x18"
W16-1P
18"x24"
700-01-11
STA. 16+08
1 AS

STA. 16+25.39
LIMITS OF MILLING AND RESURFACING

6" DOUBLE YELLOW (100') WITH BI-DIRECTIONAL YELLOW/YELLOW RPM'S @ 20' O.C.



AHEAD

R/W LINE

6" WHITE

6" WHITE

+04.08

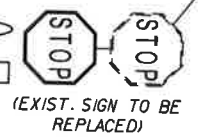
+49.72

+23.18

24" WHITE

R/W LINE

R1-1
30"x30"
700-01-11
1 AS



(EXIST. SIGN TO BE REPLACED)

MATCH LINE STA. 15+00.00

MATCH LINE STA. 15+00.00



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SIGNING & PAVEMENT MARKING PLAN
S.W. 12th STREET

SHEET NO.
36