

Commission:

Mayor

Tomas P. Regalado

Chairman / D1 Commissioner

Wifredo (Willy) Gort

Vice Chairman / D5 Commissioner

Keon Hardemon

District 2 Commissioner

Marc Sarnoff

District 3 Commissioner

Frank Carollo

District 4 Commissioner

Francis Suarez

City Manager

Daniel J. Alfonso

CITY OF MIAMI
CAPITAL IMPROVEMENTS PROGRAM

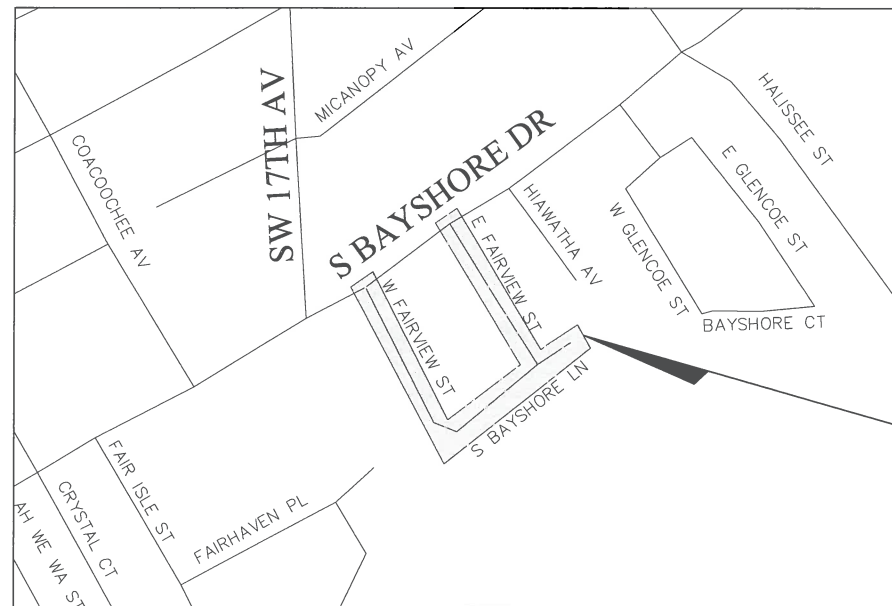
JEOVANNY RODRIGUEZ, P.E., DIRECTOR

**SOUTH BAYSHORE LANE/
FAIRVIEW STREET (EAST AND WEST)
ROADWAY AND DRAINAGE IMPROVEMENTS
PROJECT No. B-30737**



INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	KEY SHEET
2	GENERAL NOTES
3	SUMMARY OF PAY ITEMS
4	TYPICAL SECTION
5 - 7	DRAINAGE PLAN
8 - 10	HARMONIZATION/ELEVATION PLAN
11 - 13	DETAILS
14 - 15	TRAFFIC CONTROL NOTES AND DETAILS
16 - 17	SWPPP
S-1	PAVEMENT MARKINGS NOTES & DETAILS
S-2 - S-4	PAVEMENT MARKING PLAN SURVEY



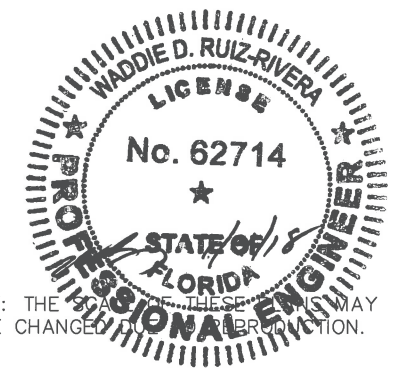
LOCATION MAP
SCALE: 1" = 500'

ROADWAY SHOP DRAWINGS
TO BE SUBMITTED TO:
WADDIE RUIZ, P.E.
A.D.A. ENGINEERING, INC.
8550 NW 33rd Street, Suite 202
Doral, Florida 33122
(305) 551-4608

PLANS PREPARED BY:



A.D.A. ENGINEERING, INC.
8550 N.W. 33rd Street-Suite 202
Doral, Florida 33122
Phone (305) 551-4608 • Fax (305) 551-8977
www.adaeng.net • EB # 00003212
Waddie Ruiz, P.E.
P.E. License No. 62714



NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED SINCE THEIR PREPARATION.

ROADWAY PLANS
ENGINEER OF RECORD: WADDIE RUIZ, P.E.

P.E. NO.: 62714

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

CITY OF MIAMI PROJECT MANAGER: ORLANDO MISAS

CITY OF MIAMI CONSTRUCTION MANAGER: -----

SHEET
NO.

1

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 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. CONSTRUCTION DETAILS SHALL BE IN ACCORDANCE WITH STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS DATED 2016, AND THE CITY OF MIAMI ENGINEERING STANDARDS DATED 2010.
- 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.
- CONTRACTOR WILL SECURE WORK SITE TO PROTECT THE PUBLIC HEALTH AND WELFARE.
- 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 AND SHALL SECURE AND PAY FOR ALL PERMITS FOR THE WORK NECESSARY TO COMPLETE THIS PROJECT. COST FOR PERMITS TO BE INCLUDED IN MOBILIZATION PAY ITEM.
- 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 FOR THIS WORK.
- CONTRACTOR SHALL CONTROL/REMOVE DUST WITH A STREET SWEEPER USING WATER OR OTHER EQUIPMENT CAPABLE OF CONTROLLING DUST.
- ALL PUBLIC LAND CORNERS AND MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED BY THE 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 SURVEYORS. PRIOR TO BEGINNING WORK AT THE 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 THE ENGINEER A SIGNED AND SEALED COPY OF THE LAND SURVEYOR'S REFERENCE DRAWING. COST OF THIS WORK SHALL BE DEEMED INCIDENTAL TO THE TOTAL PROJECT COST.
- THE CONTRACTOR SHALL NOTIFY THE CITY IN WRITING AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A PROPER STAGING AND MATERIALS STORAGE AREA.
- THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN AND VEHICULAR ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES UNLESS OTHERWISE APPROVED BY THE CITY.
- THE CONTRACTOR SHALL NOT ENCROACH INTO PRIVATE PROPERTY WITH PERSONNEL, MATERIAL OR EQUIPMENT.
- 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.
- STOCKPILING OF MATERIAL IN ROADWAY IS NOT ALLOWED.
- 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.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING IMMEDIATELY OF ANY CONFLICT ARISING DURING CONSTRUCTION FOR ANY IMPROVEMENTS SHOWN ON THESE DRAWINGS.
- ALL CONSTRUCTION LAYOUT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL EXISTING MANHOLE TOPS, CATCH BASIN GRATES, VALVE BOX TOPS, AND WATER METER BOXES WITHIN THE PROJECT AREA SHALL BE MODIFIED TO MATCH FINISHED GRADE BY THE CONTRACTOR. PLANS MAY NOT SHOW ALL LOCATIONS NECESSARY FOR ADJUSTMENTS. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL NECESSARY UTILITY TOPS TO BE ADJUSTED.
- CONTRACTOR TO RESTORE ALL SODDED AREAS OF THE PROJECT WHICH ARE DISTURBED DUE TO CONSTRUCTION ACTIVITIES.
- 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.
- 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.
- VERTICAL CONTROL ELEMENT OF SURVEY WAS DERIVED FROM THE CITY OF MIAMI VERTICAL DATUM.

ENVIRONMENTAL NOTES:

- DUE TO THE LIMITED SCOPE OF WORK, NO IMPACTS TO EXISTING HISTORICAL AND CULTURAL RESOURCES ARE EXPECTED AS A RESULT OF THE PROPOSED ACTION.
- ANY MATERIAL TO BE STOCKPILED FOR PERIODS GREATER THAN 24 HOURS SHALL BE PROTECTED BY APPROPRIATE EROSION CONTROL DEVICES.
- NO STAGING OR OTHER ACTIVITIES FOR THIS PROJECT SHOULD OCCUR WITHIN THE DRIPLINE OF EXISTING TREES.
- PREVENT DAMAGING TREES AND PLANTERS WITHIN OR IMMEDIATELY ADJACENT TO THE PROJECT'S RIGHT-OF-WAY.
- 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.
- TREE PROTECTION SHOULD BE INSTALLED AROUND TREES THAT REMAIN LOCATED ADJACENT TO CONSTRUCTION ACTIVITIES.
- 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 TRIMMING, REMOVAL/RELOCATION.
- THE CONTRACTOR SHALL KEEP NEW AND EXISTING INLETS CLEAN OF CONSTRUCTION MATERIALS AND DEBRIS. INLETS LOCATED NEAR CONSTRUCTION ACTIVITIES BY APPROPRIATE EROSION CONTROL DEVICES.

APPLICABLE CODES:

- 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.
- 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:

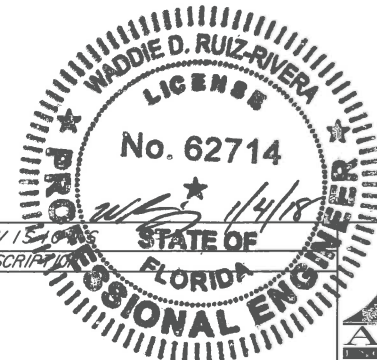
- PRIOR TO THE COMMENCEMENT OF THE CONSTRUCTION AND THE RECEIPT OF THE "NOTICE TO PROCEED", THE CONTRACTOR SHALL CONTACT THE C.I.P. CONSTRUCTION MANAGER AND ARRANGE A PRE-CONSTRUCTION CONFERENCE TO INCLUDE THE ENGINEER OF RECORD. THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION SCHEDULE AND BE PREPARED TO DISCUSS ANY CONCERNS OR COORDINATION EFFORTS AND REQUIREMENTS WITH THE PARTIES INVOLVED.
- THE CONTRACTOR SHALL OBTAIN A SUNSHINE STATE ONE CALL OF FLORIDA, INC. CERTIFICATION NUMBER AT LEAST 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION. CONTACT 811, WWW.CALLSUNSHINE.COM
- CONTRACTOR SHALL SUBMIT TO THE CITY ENGINEER A STORM WATER POLLUTION PREVENTION PLAN ACCORDING TO THE LATEST 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:

- 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.
- UPON COMPLETION OF CONSTRUCTION AND PRIOR TO FINAL PAYMENT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER ON 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.
- 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.
- AS-BUILTS SHALL UTILIZE THE CITY OF MIAMI VERTICAL DATUM.

UTILITIES:

- LOCATION AND SIZE OF UTILITIES ARE PROVIDED ON PLANS BASED ON BEST AVAILABLE INFORMATION PROVIDED. VERTICAL DEPTH WAS ASSUMED TO HAVE 3 FEET OF COVER, CONTRACTOR SHOULD FIELD VERIFY WHERE CONFLICTS ARE IDENTIFIED.
- TWO FULL BUSINESS DAYS PRIOR TO DIGGING, THE CONTRACTOR SHALL CALL "SUNSHINE STATE ONE CALL" AT 811 TO REQUEST UTILITY LOCATIONS BEFORE BEGINNING ANY CONSTRUCTION ACTIVITIES.
- 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.
- 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.
- 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 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.
- 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 THE DEPARTMENT WITH 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.



8550 N.W. 33RD STREET • SUITE 202
DORAL, FLORIDA 33122
PH (305) 551-4608 • FAX (305) 551-8977
WWW.ADAENG.NET • EB # 00003212
WADDIE RUIZ, P.E.
P.E. LICENSE NO. 62714



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.
S. BAYSHORE LN/ FAIRVIEW ST (EAST & WEST) ROADWAY & DRAINAGE IMPROVEMENTS	B-30737

GENERAL NOTES

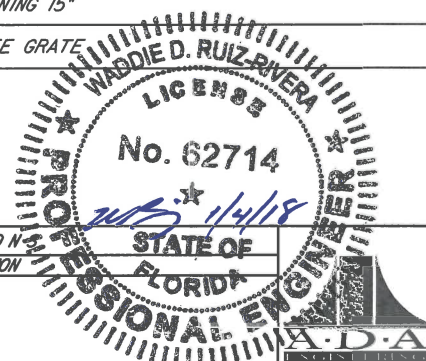
SHEET NO.
2

ITEM NO.	SUMMARY OF PAY ITEMS	UNITS	GRAND TOTAL
	ROADWAY		
101-1	MOBILIZATION	LS	1
102-1	MAINTENANCE OF TRAFFIC	LS	1
104-11	FLOATING TURBIDITY BARRIER	LF	150
110-1-1	CLEARING AND GRUBBING	LS	1
110-4	REMOVAL OF EXISTING CONCRETE	SY	528
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	CY	224
160-4	TYPE B STABILIZATION	SY	1668
285-706	OPTIONAL BASE, BASE GROUP 06 (8")	SY	1668
327-70-1	MILLING EXISTING ASPHALT PAVEMENT, 1" AVERAGE DEPTH	SY	672
337-7-42	TYPE S-III ASPHALTIC CONCRETE	TN	258
425-1-541	CITY OF MIAMI TYPE 'D-3' INLET, $\leq 10'$	EA	12
425-1-541	CITY OF MIAMI TYPE 'D' CURB INLET, $\leq 10'$	EA	2
425-1-542	CITY OF MIAMI TYPE 'D-3' INLET, >10'	EA	2
425-2-41	MANHOLE (CITY OF MIAMI TYPE 'D-3'), $\leq 10'$	EA	1
425-2-41	MANHOLE (CITY OF MIAMI TYPE 'D-4'), $\leq 10'$	EA	6
425-2-41	MANHOLE (CITY OF MIAMI TYPE 'D-5'), $\leq 10'$	EA	1
425-2-42	MANHOLE (CITY OF MIAMI TYPE 'D-4'), >10'	EA	1
425-2-42	MANHOLE (CITY OF MIAMI TYPE 'D-5'), >10'	EA	2
425-2-102	CONTROL DRAINAGE STRUCTURE W/ WEIR	EA	1
425-2-102	POLLUTION CONTROL DRAINAGE STRUCTURE, 6' DIAMETER	EA	2
425-2-102	SPECIAL MANHOLE (36"X54")	EA	2
425-2-102	SPECIAL MANHOLE (6'X6')	EA	1
425-2-102	BYPASS STRUCTURE (4' X 6.5')	EA	1
430-175-118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18"	LF	1099
430-175-136	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 36"	LF	277
520-1-10	CONCRETE CURB AND GUTTER, TYPE F	LF	219
520-2-4	CONCRETE CURB, TYPE D	LF	224
522-1	CONCRETE SIDEWALK 4" THICK (INCLUDES PEDESTRIAN RAMP)	SY	375
522-2	CONCRETE SIDEWALK 6" THICK	SY	153
526-1-2	PAVERS ARCHITECTURAL (RESTORE BRICK DRIVEWAYS)	SY	110
527-2	DETECTABLE WARNING SURFACE	SF	16
570-1-2	PERFORMANCE TURF, SOD	SY	745
660-2-106	TRAFFIC LOOP, F&I, TYPE F	AS	1
	SWALE TRENCH (CITY OF MIAMI)	SY	220
	INLINE CHECK VALVE, 18"	EA	2
	CIPP LINING 15"	LF	100
	MANATEE GRATE	EA	3

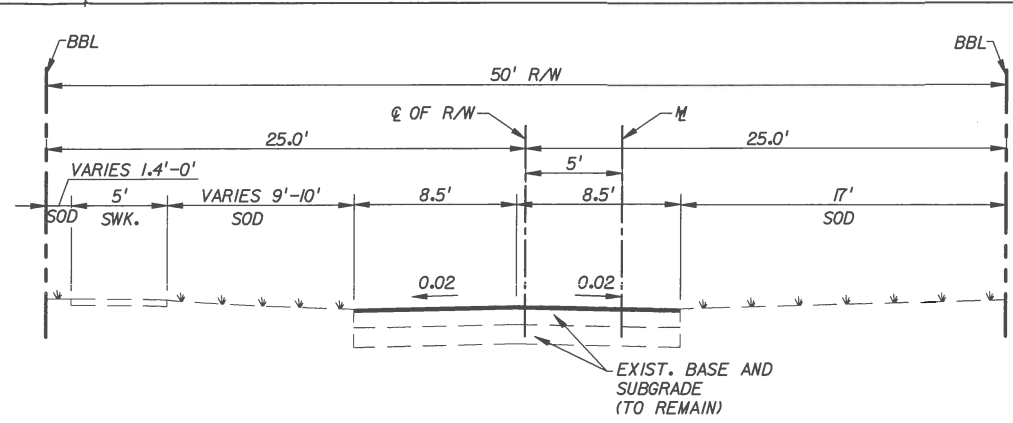
ITEM NO.	DESCRIPTION	UNITS	QUANTITY
	PAVEMENT MARKINGS		
700-1-11	SIGN SINGLE POST (LESS THAN 12 SQ FT)	AS	6
706-3	MARKER PAVEMENT RETRO-REFLECTIVE	EA	26
710-11-123	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID (12")	LF	60
710-11-125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID (24")	LF	40
710-11-231	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID (16")	LF	360
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID (12")	LF	60
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID (24")	LF	40
711-11-221	THERMOPLASTIC, TRAFFIC STRIPE, YELLOW, SOLID (6")	LF	360

PAY ITEM NOTES

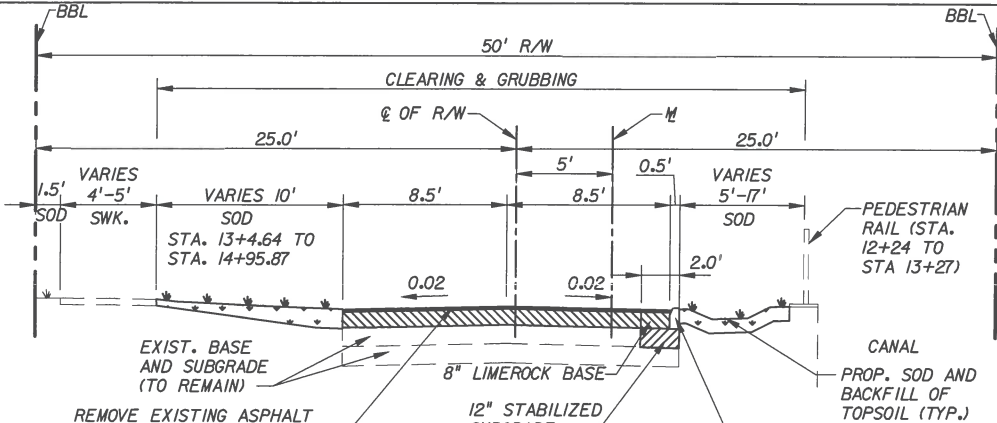
- 110-1-1 CLEARING & GRUBBING:**
CONSISTS OF COMPLETE REMOVAL AND DISPOSAL OF ALL VEGETATION, DEBRIS, DRAINAGE STRUCTURES AND PIPES, FLEXIBLE PAVEMENT OR ANY OTHER OBSTRUCTION IN ALL AREAS WHERE EXCAVATION IS TO BE DONE.
- 110-4 REMOVAL OF EXISTING CONCRETE PAVEMENT:**
INCLUDES THE REMOVAL OF CONCRETE SIDEWALKS, CONCRETE DRIVEWAYS, AND PEDESTRIAN RAMPS.
- 120-2-2 BORROW EXCAVATION:.**
INCLUDES THE FILL MATERIAL FOR THE SWALE AREA.
- 337-7-42 TYPE S-III ASPHALT CONCRETE:**
THIS ITEM INCLUDES THE COST OF SAW CUTTING TO TIE INTO EXISTING PAVEMENT. INCLUDES COST OF ASPHALT FOR ASPHALTIC DRIVEWAYS, ASPHALT APRONS, AND VALVE AND MANHOLE ADJUSTMENTS.
- 425-1-* DRAINAGE STRUCTURES:**
INCLUDES THE COST FOR BASE AND STABILIZATION/ FLOWABLE FILL FOR PAVEMENT RESTORATION DUE TO THE PLACEMENT OF PROPOSED DRAINAGE STRUCTURES AND PROPOSED CURB AND/OR GUTTER. INCLUDES THE COST TO CORE AND DRILL IN PLACE EXISTING DRAINAGE STRUCTURE AND ALL INCIDENTAL WORK NECESSARY TO CONNECT EXISTING AND PROPOSED DRAINAGE PIPES. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING STORM DRAIN PIPE INVERT ELEVATIONS PRIOR TO THE FABRICATION OF PROPOSED DRAINAGE STRUCTURES AND SHALL FIELD VERIFY ELEVATIONS AND LOCATIONS OF ALL EXISTING UTILITIES AND EXISTING DRAINAGE SYSTEMS PRIOR TO SUBMITTAL OF DRAINAGE SHOP DRAWINGS. WHERE A BAFFLE OR SKIMMER IS USED IN A CATCH BASIN OR A MANHOLE, THE COST SHALL BE INCLUDED WITH THE RESPECTIVE DRAINAGE STRUCTURE. ALL STRUCTURES SHALL HAVE A WATERTIGHT JOINT SEALANT SUCH AS RAM-NEK OR AN APPROVED EQUAL. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR APPROVAL.
- 425-2-102 CONTROL DRAINAGE STRUCTURE (CDS) (6' DIAM.):**
THIS PAY ITEM SHALL INCLUDE FURNISHING AND INSTALLING COMPLETE HYDRODYNAMIC DEVICES AS SPECIFIED IN THE PLANS (CONTECH OR APPROVED EQUAL). INSTALLATION OF CDS SHALL COMPLY WITH THE MANUFACTURER RECOMMENDATIONS AND SPECIFICATIONS AND WITH FDOT SPECIFICATIONS, SECTION 425 FOR INSTALLATION OF MANHOLES.
- 430-175* PIPE CULVERT:**
THE UNIT PRICE SHALL INCLUDE THE COST OF PIPE, FITTINGS, TEMPORARY ASPHALT, COARSE AGGREGATE AND FILTER FABRIC IN PLACE, AND THE COST FOR TRENCH EXCAVATION, STABILIZED SUBGRADE, BACKFILL AND COMPACTION. THE UNIT PRICE SHALL ALSO INCLUDE THE COST FOR DISPOSAL OF SURPLUS EXCAVATED MATERIALS. THE COST OF ROOT PRUNING PERFORMED ON TREES WITHIN CLOSE PROXIMITY OF FRENCH DRAIN TO BE INCLUDED IN THE COST OF FRENCH DRAIN. ALL PIPE CULVERT SHALL BE WATERTIGHT.
- 520-1-10 CONCRETE CURB & GUTTER, TYPE F:**
INCLUDES REINFORCEMENT OF DROP CURB AT DRIVEWAYS AND TYPE "F" CURB AND GUTTER AT RADIUS. THE UNIT PRICE INCLUDES COST OF ROOT BARRIER.
- 570-1-2 PERFORMANCE TURF, SOD:**
INCLUDES WATERING AND MAINTENANCE, INCLUDING MOWING THROUGH FINAL COMPLETION AND ACCEPTANCE. SODDING SHALL MATCH EXISTING TURF.
- WATERTIGHT DRAINAGE SYSTEMS SHALL BE TESTED AS FOLLOWS:**
- PRIOR TO TESTING FOR LEAKAGE, THE TRENCH SHALL BE COMPLETELY BACKFILLED AND COMPACTED PROPERLY. TEST SHALL BE PERFORMED JUST PRIOR TO FINAL PAVING OVER TRENCH.
 - A LAMPING TEST SHALL BE PERFORMED TO ASSURE THAT THERE IS NO INFILTRATION INTO DRAINAGE SYSTEM. VISIBLE LEAKS INTO THE SYSTEM SHALL BE CORRECTED REGARDLESS OF THE AMOUNT OF LEAKAGE.
 - LAMPING TEST SHALL BE PERFORMED DURING HIGH TIDE, OR WHEN THE WATER TABLE IS 2 FEET OR MORE ABOVE THE TOP OF THE PIPE AT THE UPPER END OF THE PIPE LINE SECTION TO BE TESTED.
 - AN EXFILTRATION TEST SHALL BE PERFORMED DURING LOW TIDE BY FILLING THE MANHOLE AND LINE WITH CLEAN WATER. THE FILLED LINES SHALL BE ALLOWED TO STAND UNTIL THE SYSTEM HAS REACHED ITS MAXIMUM ABSORPTION, BUT NOT LESS THAN 4 HOURS. AFTER ABSORPTION, THE HEAD SHALL BE RE-ESTABLISHED. THE ALLOWABLE LIMITS OF EXFILTRATION FOR THE ENTIRE SYSTEM, OR ANY PORTION THEREOF, SHALL NOT EXCEED A RATE OF 500 GALLONS PER INCH OF INSIDE PIPE DIAMETER PER MILE OF PIPE PER 24 HOURS. WHEN LEAKAGE EXCEEDS THE MAXIMUM AMOUNT SPECIFIED, SATISFACTORY CORRECTION SHALL BE MADE AND SYSTEM RETESTED. CORRECTION AND RETESTING SHALL BE MADE AT CONTRACTOR'S EXPENSE.
 - MANHOLE EXFILTRATION LEAKAGE SHALL NOT EXCEED 4 GALLONS PER DAY PER MANHOLE TESTED.
 - THE COST OF ALL MATERIAL AND LABOR REQUIRED FOR TESTING SHALL BE BORNE BY THE CONTRACTOR.
 - THE ENGINEER OF RECORD OR HIS DESIGNEE SHALL BE PRESENT DURING TESTING.
 - TEST RESULTS SHALL BE CERTIFIED AS ACCURATE BY THE ENGINEER OF RECORD PRIOR TO FINAL ACCEPTANCE.
 - THE CONTRACTOR OR ENGINEER OF RECORD SHALL NOTIFY THE CITY OF MIAMI PUBLIC WORKS RIGHT-OF-WAY CONSTRUCTION SECTION OF THE TESTING TIME AND DATE AT LEAST THREE (3) BUSINESS DAYS IN ADVANCE.



REVISION		8550 N.W. 33RD STREET • SUITE 202 DORAL, FLORIDA 33122 PH (305) 551-4608 • FAX (305) 551-8977 WWW.ADAENG.NET • EB # 00003212 WADDIE RUIZ, P.E. P.E. LICENSE NO. 62714	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: S. BAYSHORE LN/ FAIRVIEW ST (EAST & WEST) ROADWAY & DRAINAGE IMPROVEMENTS PROJECT No.: B-30737		SUMMARY OF PAY ITEMS SHEET NO. 3
DATE	BY			DESCRIPTION		



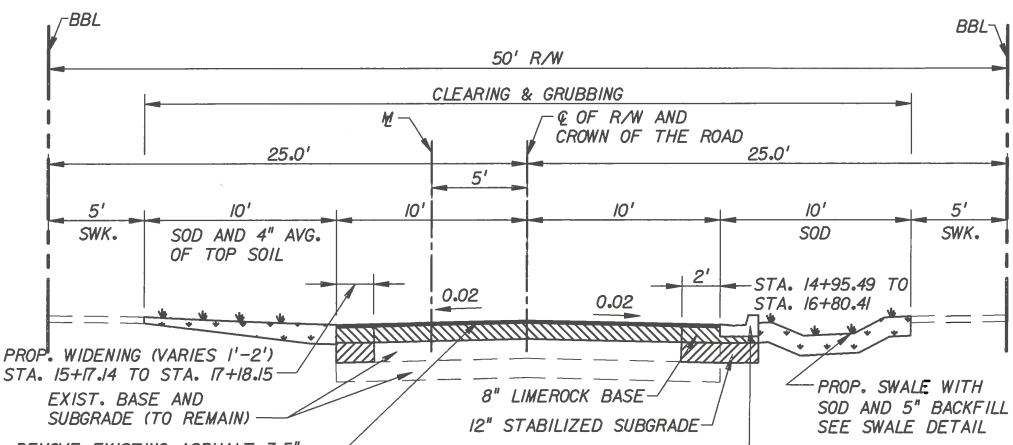
TYPICAL SECTION
 W FAIRVIEW STREET-MILLING & RESURFACING
 FROM STA. 10+34 TO STA. 11+76
 N.T.S.



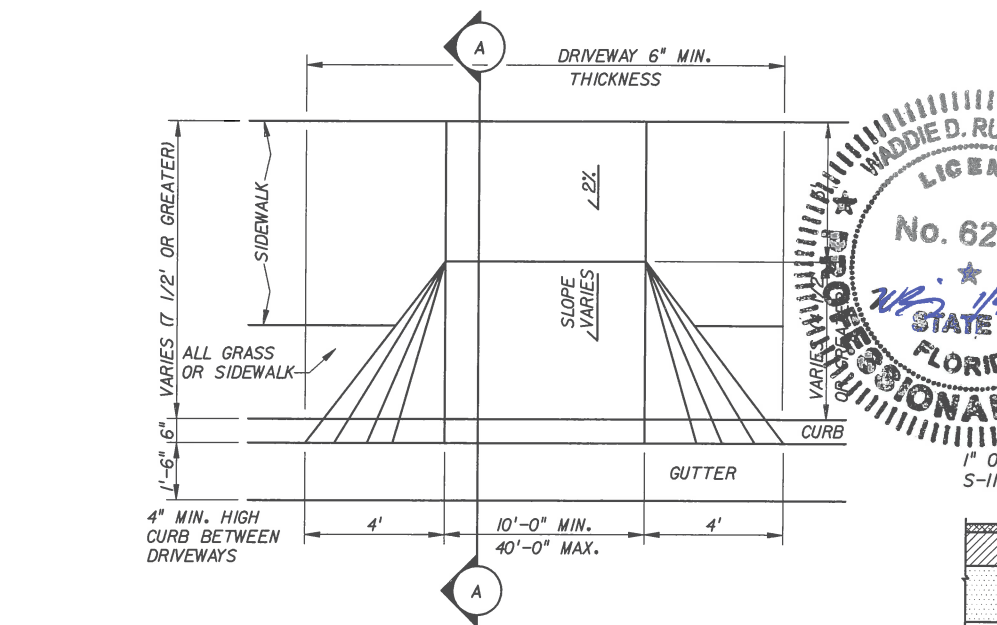
TYPICAL SECTION
 W FAIRVIEW STREET-RECONSTRUCTION
 FROM STA. 11+76 TO STA. 14+53
 N.T.S.

- MILLING AND RESURFACING**
- MILL EXISTING ASPHALT PAVEMENT (1" AVG. DEPTH) OR AS NECESSARY TO MEET PROPOSED EDGE OF PAVEMENT GRADE
 - RESURFACE TYPE S-III ASPHALTIC CONCRETE (1" AVG. DEPTH) AS PER CITY OF MIAMI STANDARD DETAIL MISC. 35-85-37
 - W FAIRVIEW STREET STA. 10+34 TO STA. 11+76 MILL 1" AND RESURFACE 1" (AVG.)
 - S BAYSHORE LANE STA. 17+53.38 (97' RT) TO STA. 17+53.38 (153' RT) MILL 1" AND RESURFACE 1" (AVG.)
 - E FAIRVIEW STREET SOUTHBOUND STA. 18+60 TO STA. 19+20 LOWER ROAD IN AVG. OF 0.84" MILL 1.84" AND RESURFACE 1" (AVG.) STA. 20+40 TO STA. 21+28.81 LOWER ROAD IN AVG. OF 2.92" MILL 3.92" AND RESURFACE 1" (AVG.)

- RECONSTRUCTION**
- W FAIRVIEW STREET STA. 11+76 TO STA. 14+53 NEW ROAD RAISE VARIES SOUTHBOUND AVG. RAISE OF 5.95" NORTHBOUND AVG. RAISE OF 6.15"
 - S BAYSHORE LANE STA. 14+53 TO STA. 17+53.38 (97' RT) NEW ROAD RAISE VARIES EASTBOUND AVG. RAISE OF 6.10" WESTBOUND AVG. RAISE OF 6.63"
 - E FAIRVIEW STREET STA. 17+53.38 TO 21+28.81 NEW ROAD RAISE VARIES SOUTHBOUND STA. 17+53.38 TO STA. 17+90 AVG. RAISE OF 3" NORTHBOUND STA. 17+53.38 TO 21+28.81 AVG. RAISE OF 4"



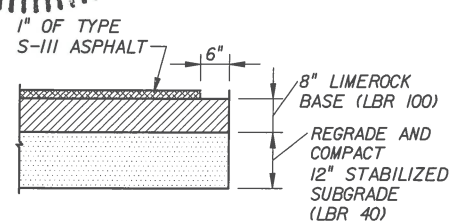
TYPICAL SECTION
 SOUTH BAYSHORE LANE-RECONSTRUCTION & WIDENING
 FROM STA. 14+53 TO STA. 17+53.38 (47' RT)
 N.T.S.



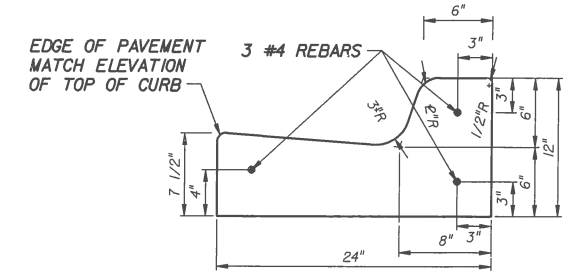
SECTION A-A
STANDARD DRIVEWAY DETAIL
 AS PER CITY OF MIAMI MISC. 35-85-22
 N.T.S.

- TYPICAL SECTION NOTES:**
- PROVIDE REINFORCED DROP CURB AT DRIVEWAYS AND REINFORCED TYPE "F" CURB AND GUTTER AT RADIUS. MAINTAIN ACCESS TO ALL PRIVATE PROPERTIES ADJACENT TO THE PROJECT DURING CONSTRUCTION. FINAL LOCATION OF DRIVEWAY ACCESS TO BE DETERMINED BY FIELD ENGINEER.

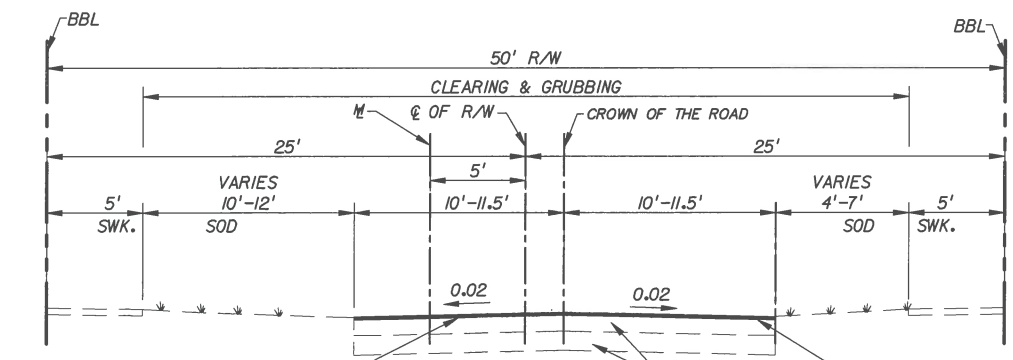
- OVERLAY**
- OVERLAY TYPE S-III ASPHALTIC CONCRETE ON EXISTING ASPHALT PAVEMENT (1" AVG. DEPTH) OR AS NECESSARY TO MEET PROPOSED EDGE OF PAVEMENT GRADE
 - E FAIRVIEW STREET SOUTHBOUND STA. 17+90 TO STA. 18+60 ROAD AVG. RAISE OF 1", OVERLAY 1" STA. 19+20 TO STA. 20+40 ROAD AVG. RAISE OF 2.39", OVERLAY 2 LIFTS



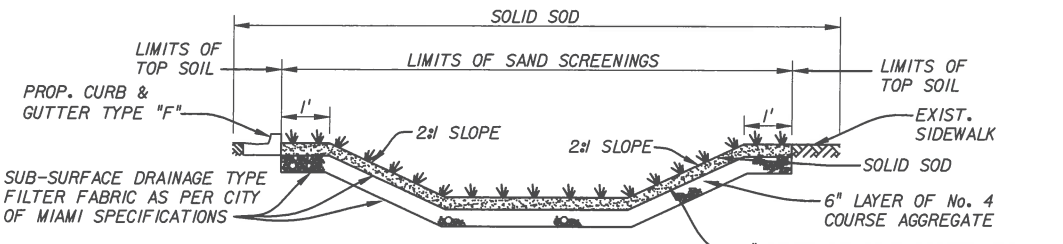
RECONSTRUCTION DETAIL
 N.T.S.



6" TYPE 'F' CURB & GUTTER DETAIL
 AS PER CITY OF MIAMI MISC. 35-85-22
 N.T.S.



TYPICAL SECTION
 E FAIRVIEW STREET
 FROM S BAYSHORE DRIVE TO S BAYSHORE LANE
 FROM STA. 17+53.38 TO 21+28.81
 N.T.S.



- NOTES:**
- GENERAL CONTRACTOR SHALL GRADE ALL LANDSCAPED AREAS TO 6" BELOW FINISHED GRADE WITH EXEMPTION OF SWALE AREAS. GENERAL CONTRACTOR SHALL GRADE SWALE AREAS TO 12" BELOW FINISHED GRADE.
 - LANDSCAPE CONTRACTOR TO PROVIDE 6" OF No. 4 COURSE AGGREGATE, 4" OF SAND SCREENINGS AND SOLID SOD IN ALL SWALE AREAS. IN ALL OTHER LANDSCAPED AREAS LANDSCAPE CONTRACTOR TO PROVIDE 4" TOP SOIL AND SOLID SOD
 - No.4 COARSE AGGREGATE, SAND AND SOLID SOD TO BE PLACED IN SWALE AREA IMMEDIATELY AFTER GRADING

SWALE DETAIL
 N.T.S.

REVISIONS		
DATE	BY	DESCRIPTION

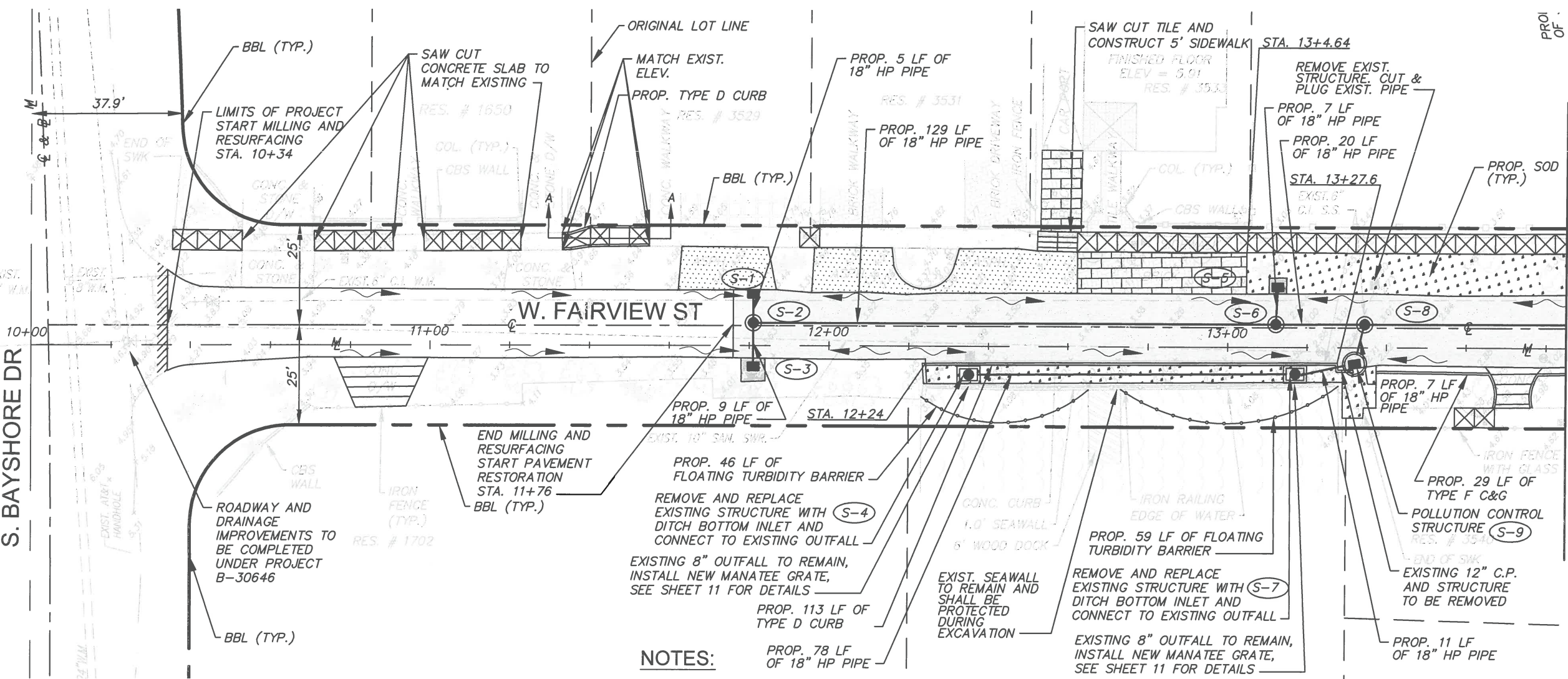
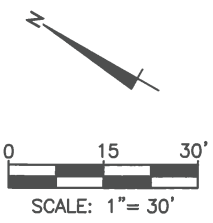
8550 N.W. 33RD STREET • SUITE 202
 DORAL, FLORIDA 33122
 PH (305) 551-4608 • FAX (305) 551-8977
 WWW.ADAENG.NET • EB # 00003212
 WADDIE RUIZ, P.E.
 P.E. LICENSE NO. 62714

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: S. BAYSHORE LN/ FAIRVIEW ST (EAST & WEST) ROADWAY & DRAINAGE IMPROVEMENTS
 PROJECT No.: B-30737

TYPICAL SECTIONS

SHEET NO.
 4



MATCH LINE STA. 13+85.05
SEE SHEET 6 FOR CONTINUATION

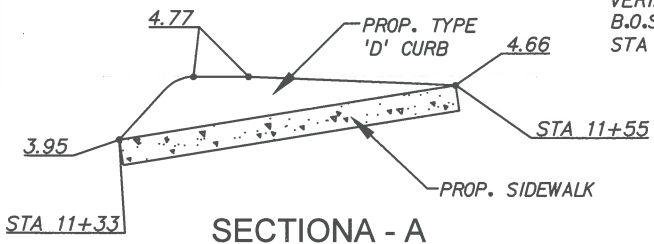
NOTES:

1. ALL VALVES AND MANHOLES TO BE FLUSH WITH NEW PAVEMENT. CONTRACTOR TO ADJUST ACCORDINGLY.
2. RESTORE DAMAGED AREAS TO EXISTING CONDITIONS OR BETTER.
3. UTILITY INFORMATION SHOWN IS BASED ON BEST AVAILABLE INFORMATION.
4. TRENCH RESTORATION AS PER CITY OF MIAMI DETAIL 35-88-7.
5. COORDINATES SHOWN ARE FOR THE STATE PLANE COORDINATE SYSTEM.
6. CONTRACTOR SHALL SUPPORT EXISTING WATER MAIN DURING EXCAVATION.
7. ALL WORK SHALL BE PERFORMED WITHIN THE CITY OF MIAMI RIGHT OF WAY.
8. WATER METER BOXES SHALL BE REPLACED IF LOCATED WITHIN SIDEWALK THAT IS BEING REPLACED.
9. CURB INLETS SHALL BE USF5129 CURB AND GUTTER INLET FRAME, HOOD AND 6176 HINGED GRATE. MANHOLE COVER SHALL BE US FOUNDRY TYPE 310-GR OR APPROVED EQUAL.
10. EXISTING PIPE WHERE INLINE CHECK VALVES ARE BEING INSTALLED SHALL BE DESILTED PRIOR TO VALVE INSTALLATION. EXISTING OUTFALLS ON WEST FAIRVIEW TO BE DESILTED.
11. CONTRACTOR TO COORDINATE WITH RESIDENT AT RESIDENCE 3533 FOR HARMONIZATION.
12. MH TOPS AND COVERS FOR S-4 & S-7 SHALL BE BOLTED DOWN.
13. SEE WATERTIGHT DRAINAGE SYSTEM TEST NOTES ON SHEET 3.
14. HARMONIZATION AGREEMENT IS REQUIRED FOR WORK WITHIN PROPERTY 3533.

LEGEND

- | | | | |
|--|----------------------------------|--|-------------------------------------|
| | PROPOSED PAVEMENT OVERLAY | | 4" CONCRETE SIDEWALK REPLACEMENT |
| | PROPOSED PAVEMENT RECONSTRUCTION | | 6" CONCRETE SIDEWALK/DW REPLACEMENT |
| | PROPOSED ASPHALT APRON | | PROPOSED PAVEMENT WIDENING |
| | PROPOSED SOD | | BRICK DRIVEWAY RESTORATION |
| | FLOW ARROW | | ASPHALT DRIVEWAY RESTORATION |
| | EXISTING ELEVATION | | EXISTING BRICK DRIVEWAY |
| | MILLING AND RESURFACING | | EXISTING ASPHALT DRIVEWAY |
| | PROPOSED DETECTIVE | | EXISTING CONCRETE DRIVEWAY |

- | | | | |
|---|---|---|--|
| (S-1)
TYPE D-3 INLET
GRATE EL. 3.50
INV. EL. (-13.11 (SW)
B.O.S. EL. (-15.12
STA 11+42.47, 16' LT | (S-2)
TYPE D-4 MANHOLE
RIM EL. 3.78
INV. EL. (-13.21 NE
INV. EL. (-12.54 SW
B.O.S. EL. (-15.22
STA 11+42.47, 5.67' RT | (S-3)
TYPE D-3 INLET
GRATE EL. 3.50
INV. EL. (-12.44 (NE)
B.O.S. EL. (-14.44
STA 11+42.45, 5.3' RT | (S-4)
DITCH BOTTOM INLET
W/MANHOLE 36"x54"
580 RIM AND COVER
RIM EL. 3.63
INV. EL. (-12.54 (SE)
CONTRACTOR TO FIELD
VERIFY EXIST. INV. EL. (SW)
B.O.S. EL. (-14.54
STA 12+34.78, 4' RT |
| (S-5)
TYPE D-3 INLET
GRATE EL. 3.35
INV. EL. (-13.71 (SW)
B.O.S. EL. (-14.44
STA 13+06, 15' LT | (S-6)
TYPE D-4 MANHOLE
RIM EL. 3.60
INV. EL. (-13.81 (NE)
INV. EL. (-12.24 (NW)
INV. EL. (-12.24 (SE)
B.O.S. EL. (-15.82
STA 13+06, 5.8' LT | (S-7)
DITCH BOTTOM INLET
W/MANHOLE 36"x54" AND
COVER 1635-JQ
W/INLINE CHECK VALVE (SE)
RIM EL. 3.40
INV. EL. -2.44 (NW, SE)
CONTRACTOR TO FIELD
VERIFY EXIST. INV. EL. (SW)
B.O.S. EL. -4.44
STA 13+16.78, 4' RT | (S-8)
TYPE D-4 MANHOLE
RIM EL. 3.63
INV. EL. -2.24 (NW)
INV. EL. -2.24 (SE)
INV. EL. -2.24 (SW)
B.O.S. EL. -4.55
STA 13+34.48, 6' LT |
| (S-9)
POLLUTION CONTROL DRAINAGE
STRUCTURE W/ GRATE INLET
GRATE EL. 3.35
INV. EL. -2.34 (NE, NW)
B.O.S. EL. -8.38
STA 13+32, 4' RT | | | |



REVISIONS	
DATE	DESCRIPTION

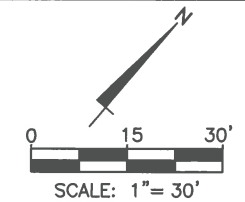
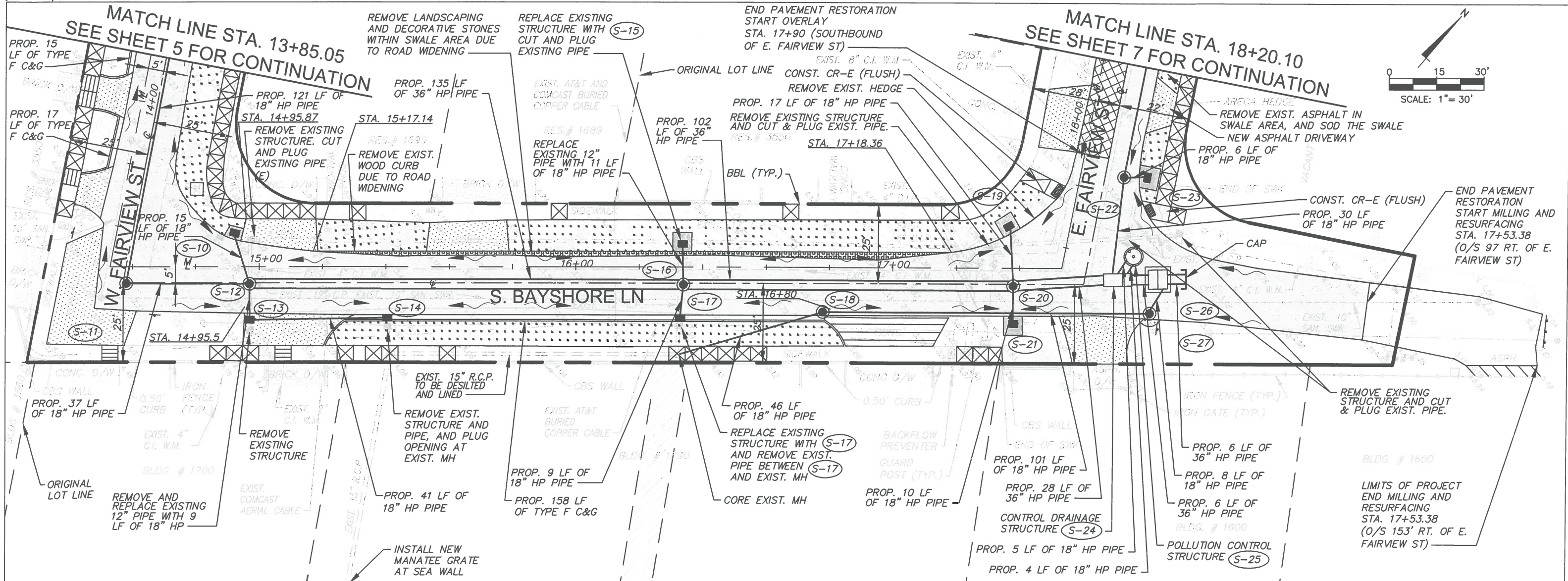
8550 N.W. 33RD STREET • SUITE 202
DORAL, FLORIDA 33122
PH (305) 551-4608 • FAX (305) 551-8977
WWW.ADAENG.NET • EB # 00003212
WADDIE RUIZ, P.E.
P.E. LICENSE NO. 62714

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: S. BAYSHORE LN/ FAIRVIEW ST (EAST & WEST) ROADWAY & DRAINAGE IMPROVEMENTS
PROJECT NO.: B-30737

WADDIE D. RUIZ-RIVERA
LICENSE
No. 62714
1/4/18
STATE OF FLORIDA
PROFESSIONAL ENGINEER

DRAINAGE PLAN
SHEET NO. 5



S-10 TYPE D-3 INLET GRATE EL. 3.38 INV. EL. -3.41 (SE) B.O.S. EL. -5.42 STA 14+88.72, 12' LT	S-11 TYPE D-4 MANHOLE RIM EL. 4.05 INV. EL. -2.34 (NW) INV. EL. -0.6 (NE) B.O.S. EL. -4.34 STA 14+58.21, 5' RT	S-12 TYPE D-5 MANHOLE RIM EL. 3.95 INV. EL. -3.51 (NW) INV. EL. -0.74 (SW) INV. EL. -2.52 (NE) INV. EL. -3.48 (SE) B.O.S. EL. -5.52 STA 14+97.04, 5' RT	S-13 TYPE D-3 INLET GRATE EL. 3.41 INV. EL. -3.38 (NW) INV. EL. -3.10 (NE) B.O.S. EL. -5.38 STA 14+97.15, 19' RT	S-14 TYPE D 42" INLET GRATE EL. 3.70 INV. EL. -3.0 (SW) B.O.S. EL. -5.0 STA 15+40.5, 14.5' RT	S-15 TYPE D-3 INLET GRATE EL. 3.70 INV. EL. -3.31 (SE) B.O.S. EL. -5.32 STA 16+33.77, 7' LT	S-16 TYPE D-5 MANHOLE RIM EL. 3.97 INV. EL. -3.41 (NW) INV. EL. -2.80 (SW) INV. EL. -5.27 (NE) INV. EL. -3.86 (SE) B.O.S. EL. -7.27 STA 16+34.07, 5' RT	S-17 TYPE D 42" INLET EOP EL. 3.70 INV. EL. -3.76 (NW) B.O.S. EL. -5.76 STA 16+33.18, 16' RT	S-18 SPECIAL 6'x6' MANHOLE W/GRATE 230-GR W/INLINE CHECK VALVE (S) RIM EL. 3.83 INV. EL. -2.32 (SW) INV. EL. -3.64 (NE) B.O.S. EL. -5.64 STA 16+87.36, 14' RT	S-19 TYPE D-3 INLET GRATE EL. 3.19 INV. EL. -4.25 (SE) B.O.S. EL. -6.25 STA 17+37.79, 12' LT	S-20 TYPE D-5 MANHOLE RIM EL. 3.86 INV. EL. -5.37 (SW) INV. EL. -4.35 (NW) INV. EL. -5.37 (NE) INV. EL. -1.10 (SE) B.O.S. EL. -7.37 STA 17+38.14, 6' RT	S-21 TYPE D-3 INLET GRATE EL. 3.41 INV. EL. -1.00 (NW) B.O.S. EL. -3.00 STA 17+38.17, 17.5' RT	S-22 TYPE D-4 MANHOLE RIM EL. 3.55 INV. EL. -2.37 (NE) INV. EL. -2.01 (NW) INV. EL. -2.01 (SE) B.O.S. EL. -4.37 STA 17+85.36, 14' RT	S-23 TYPE D-3 INLET GRATE EL. 3.20 INV. EL. -2.27 (SW) B.O.S. EL. -4.27 STA 17+86.20, 19' RT	S-24 CONTROL DRAINAGE STRUCTURE W/ WEIR RIM EL. 4.10 INV. EL. -2.11 (NW) INV. EL. -5.65 (SW) INV. EL. -4.10 (NE, N, S) WEIR EL. -3.0 N 51181.19; E 913043.81	S-25 POLLUTION CONTROL DRAINAGE STRUCTURE RIM EL. 3.87 INV. EL. -4.10 (N) INV. EL. -4.10 (S) N 511821.11; E 913044.39 (SEE SHEET II FOR DETAILS)	S-26 BYPASS STRUCTURE (4'x6.5') INV. EL. -2.10 (S) INV. EL. -4.10 (NE, SW) N 511820.62; E 913054.95 (SEE SHEET II FOR DETAILS)	S-27 TYPE D-3 MANHOLE RIM EL. 3.92 INV. EL. -3.54 (SW) INV. EL. -2.2 (NW) B.O.S. EL. -5.54 N 511810.69; E 913059.89
--	---	--	---	---	---	--	--	--	--	--	--	--	--	---	---	--	--

NOTES:

1. ALL VALVES AND MANHOLES TO BE FLUSH WITH NEW PAVEMENT. CONTRACTOR TO ADJUST ACCORDINGLY.
2. RESTORE DAMAGED AREAS TO EXISTING CONDITIONS OR BETTER.
3. UTILITY INFORMATION SHOWN IS BASED ON BEST AVAILABLE INFORMATION.
4. TRENCH RESTORATION AS PER CITY OF MIAMI DETAIL 35-88-7.
5. COORDINATES SHOWN ARE FOR THE STATE PLANE COORDINATE SYSTEM.
6. CONTRACTOR SHALL SUPPORT EXISTING WATER MAIN DURING EXCAVATION.
7. ALL WORK SHALL BE PERFORMED WITHIN THE CITY OF MIAMI RIGHT OF WAY.
8. WATER METER BOXES SHALL BE REPLACED IF LOCATED WITHIN SIDEWALK THAT IS BEING REPLACED.
9. CURB INLETS SHALL BE USF5129 CURB AND GUTTER INLET FRAME, HOOD AND 6176 HINGED GRATE. MANHOLE COVER SHALL BE US FOUNDRY TYPE 310-GR OR APPROVED EQUAL.
10. EXISTING PIPE WHERE INLINE CHECK VALVES ARE BEING INSTALLED BE DESILTED PRIOR TO VALVE INSTALLATION.
11. SEE WATERTIGHT DRAINAGE SYSTEM TEST NOTES ON SHEET

LEGEND

	PROPOSED PAVEMENT OVERLAY		4" CONCRETE SIDEWALK REPLACEMENT
	PROPOSED PAVEMENT RECONSTRUCTION		6" CONCRETE SIDEWALK/DW REPLACEMENT
	PROPOSED ASPHALT APRON		PROPOSED PAVEMENT WIDENING
	PROPOSED SOD		BRICK DRIVEWAY RESTORATION
	FLOW ARROW		ASPHALT DRIVEWAY RESTORATION
	EXISTING ELEVATION		EXISTING BRICK DRIVEWAY
	MILLING AND RESURFACING		EXISTING ASPHALT DRIVEWAY
	PROPOSED DETECTIVE WADDED DRIVEWAY WARNING		EXISTING CONCRETE DRIVEWAY

REVISIONS		
DATE	BY	DESCRIPTION

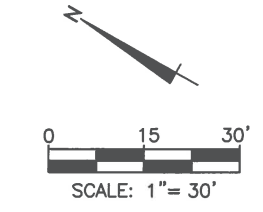
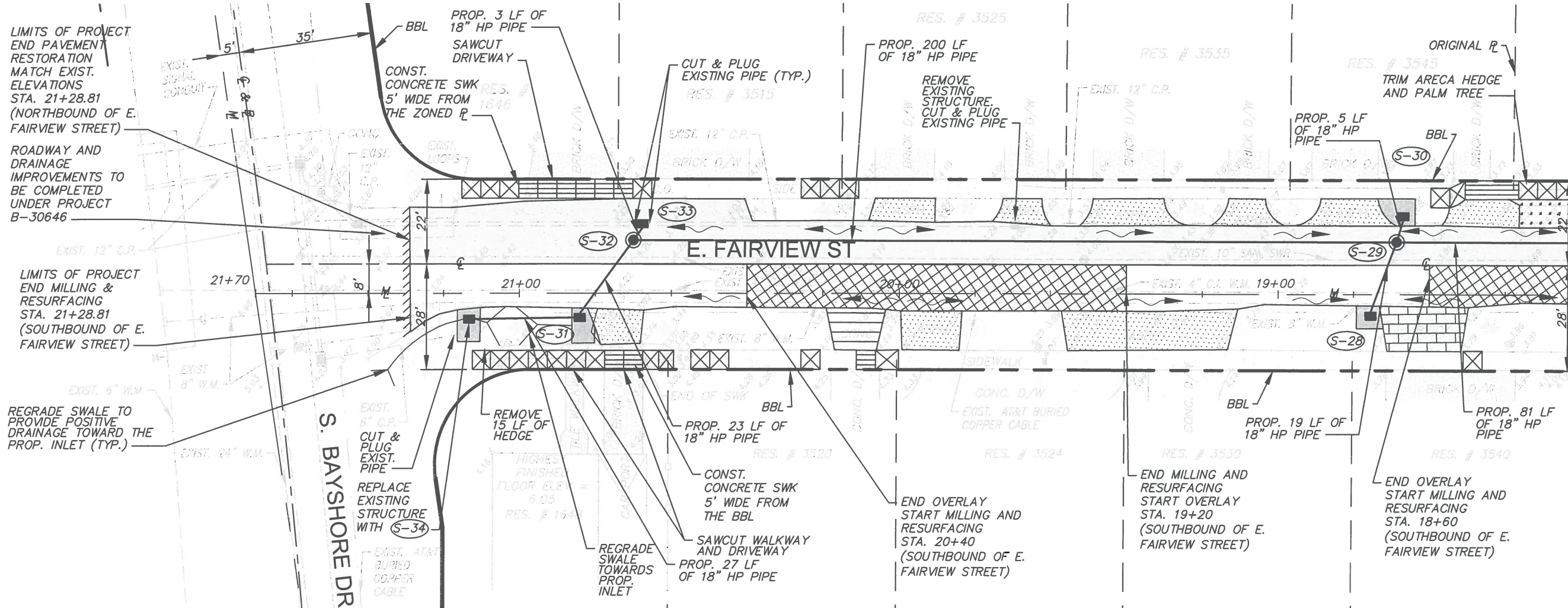
A.D.A.
 8550 N.W. 33RD STREET • SUITE 202
 DORAL, FLORIDA 33122
 PH (305) 551-4608 • FAX (305) 551-8977
 WWW.ADAENG.NET • EB # 00003212
 WADDIE RUIZ, P.E.
 P.E. LICENSE NO. 62714

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

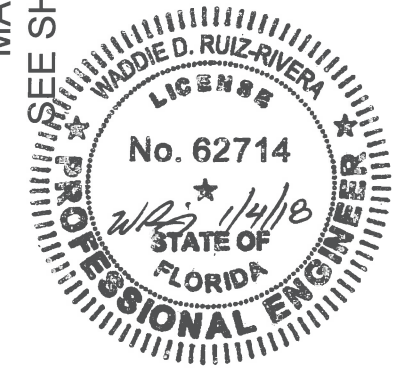
CITY OF MIAMI
 CAPITAL IMPROVEMENTS PROGRAM
 PROJECT NAME: S. BAYSHORE LN/ FAIRVIEW ST (EAST & WEST) ROADWAY & DRAINAGE IMPROVEMENTS
 PROJECT No.: B-30737

PROFESSIONAL ENGINEER
 WADDIE RUIZ
 LICENSE No. 62714
 STATE OF FLORIDA
 1/4/18

SHEET NO.	6
-----------	---



MATCH LINE STA. 18+20.10
SEE SHEET 6 FOR CONTINUATION



LIMITS OF PROJECT
END PAVEMENT
RESTORATION
MATCH EXIST.
ELEVATIONS
STA. 21+28.81
(NORTHBOUND OF E.
FAIRVIEW STREET)

LIMITS OF PROJECT
END MILLING &
RESURFACING
STA. 21+28.81
(SOUTHBOUND OF E.
FAIRVIEW STREET)

REGRADE SWALE TO
PROVIDE POSITIVE
DRAINAGE TOWARD THE
PROP. INLET (TYP.)

S. BAYSHORE DR

NOTES:

1. ALL VALVES AND MANHOLES TO BE FLUSH WITH NEW PAVEMENT. CONTRACTOR TO ADJUST ACCORDINGLY.
2. RESTORE DAMAGED AREAS TO EXISTING CONDITIONS OR BETTER.
3. UTILITY INFORMATION SHOWN IS BASED ON BEST AVAILABLE INFORMATION.
4. TRENCH RESTORATION AS PER CITY OF MIAMI DETAIL 35-88-7.
5. COORDINATES SHOWN ARE FOR THE STATE PLANE COORDINATE SYSTEM.
6. CONTRACTOR SHALL SUPPORT EXISTING WATER MAIN DURING EXCAVATION.
7. ALL WORK SHALL BE PERFORMED WITHIN THE CITY OF MIAMI RIGHT OF WAY.
8. WATER METER BOXES SHALL BE REPLACED IF LOCATED WITHIN SIDEWALK THAT IS BEING REPLACED.
9. CURB INLETS SHALL BE USF5129 CURB AND GUTTER INLET FRAME, HOOD AND 6176 HINGED GRATE. MANHOLE COVER SHALL BE US FOUNDRY TYPE 310-GR OR APPROVED EQUAL.
10. EXISTING PIPE WHERE INLINE CHECK VALVES ARE BEING INSTALLED SHALL BE DESILTED PRIOR TO VALVE INSTALLATION.
11. SEE WATERTIGHT DRAINAGE SYSTEM TEST NOTES ON SHEET 3.

LEGEND

- PROPOSED PAVEMENT OVERLAY
- PROPOSED PAVEMENT RECONSTRUCTION
- PROPOSED ASPHALT APRON
- PROPOSED SOD
- FLOW ARROW
- EXISTING ELEVATION
- MILLING AND RESURFACING
- PROPOSED DETECTIVE WARNING
- 4" CONCRETE SIDEWALK REPLACEMENT
- 6" CONCRETE SIDEWALK/DW REPLACEMENT
- PROPOSED PAVEMENT WIDENING
- BRICK DRIVEWAY RESTORATION
- ASPHALT DRIVEWAY RESTORATION
- EXISTING BRICK DRIVEWAY
- EXISTING ASPHALT DRIVEWAY
- EXISTING CONCRETE DRIVEWAY

- (S-34)**
TYPE D-3 INLET
GRATE EL. 3.64
INV. EL. -2.20 (SE)
B.O.S. EL. -4.20
STA 21+13.3, 6.7' LT
*PLUG CONNECTION TO
PIPE IN NW DIRECTION
- (S-33)**
TYPE D-3 INLET
GRATE EL. 3.75
INV. EL. -1.80 (W)
B.O.S. EL. -3.80
STA 20+67.77, 20' RT
- (S-32)**
TYPE D-4 MANHOLE
RIM EL. 3.89
INV. EL. -5.0 (W)
INV. EL. -1.90 (E)
INV. EL. -1.36 (SE)
B.O.S. EL. -7.0
STA 20+70.04, 14' RT
- (S-31)**
TYPE D-3 INLET
GRATE EL. 3.50
INV. EL. -2.3 (NW)
INV. EL. -5.1 (E)
B.O.S. EL. -7.1
STA 20+84.09, 6.4' LT
- (S-30)**
TYPE D-3 INLET
GRATE EL. 3.26
INV. EL. -2.2 (W)
B.O.S. EL. -4.2
STA 18+67, 20.5' RT
- (S-29)**
TYPE D-4 MANHOLE
RIM EL. 3.60
INV. EL. -1.70 (NW, SE)
INV. EL. -2.30 (E)
INV. EL. -3.98 (W)
B.O.S. EL. -5.98
STA 18+68.72, 13.74' RT
- (S-28)**
TYPE D-3 INLET
GRATE EL. 3.40
INV. EL. -3.88 (E)
B.O.S. EL. -5.88
STA 18+74.29, 5.6' LT

REVISIONS		
DATE	BY	DESCRIPTION



8550 N.W. 33RD STREET • SUITE 202
DORAL, FLORIDA 33122
PH (305) 551-4608 • FAX (305) 551-8977
WWW.ADAENG.NET • EB # 00003212
WADDIE RUIZ, P.E.
P.E. LICENSE NO. 62714

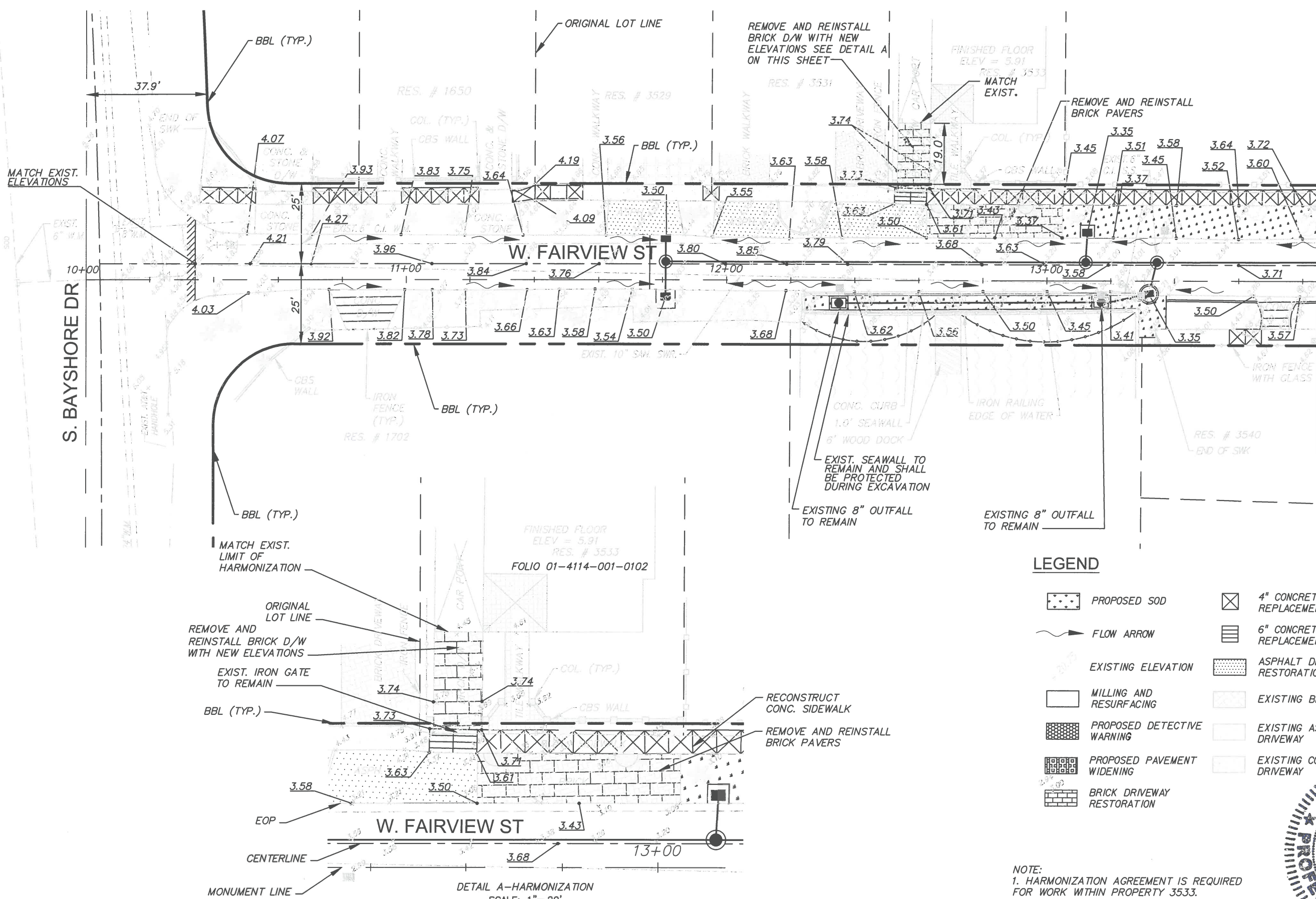
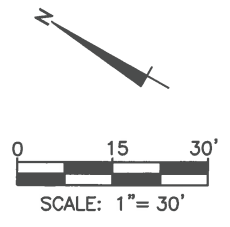


CITY OF MIAMI
CAPITAL IMPROVEMENTS PROGRAM
444 S.W. 2ND AVENUE, 8TH FLOOR
MIAMI, FLORIDA 33130
(305) 416-1213 FAX (305) 416-1253

CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM	
PROJECT NAME	PROJECT No.
S. BAYSHORE LN/ FAIRVIEW ST (EAST & WEST) ROADWAY & DRAINAGE IMPROVEMENTS	B-30737

DRAINAGE PLAN

SHEET NO.
7

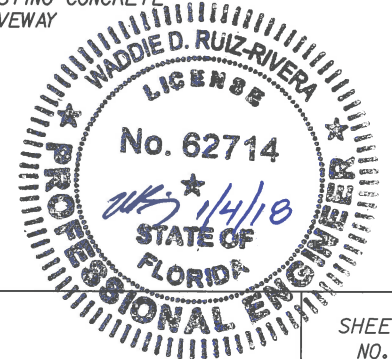


MATCH LINE STA. 13+85.05
SEE SHEET 9 FOR CONTINUATION

LEGEND

- PROPOSED SOD
- FLOW ARROW
- EXISTING ELEVATION
- MILLING AND RESURFACING
- PROPOSED DETECTIVE WARNING
- PROPOSED PAVEMENT WIDENING
- BRICK DRIVEWAY RESTORATION
- 4" CONCRETE SIDEWALK REPLACEMENT
- 6" CONCRETE SIDEWALK/DW REPLACEMENT
- ASPHALT DRIVEWAY RESTORATION
- EXISTING BRICK DRIVEWAY
- EXISTING ASPHALT DRIVEWAY
- EXISTING CONCRETE DRIVEWAY

NOTE:
1. HARMONIZATION AGREEMENT IS REQUIRED FOR WORK WITHIN PROPERTY 3533.



REVISIONS		
DATE	BY	DESCRIPTION

A.D.A.
8550 N.W. 33RD STREET • SUITE 202
DORAL, FLORIDA 33122
PH (305) 551-4608 • FAX (305) 551-8977
WWW.ADAENG.NET • EB # 00003212
WADDIE RUIZ, P.E.
P.E. LICENSE NO. 62714

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

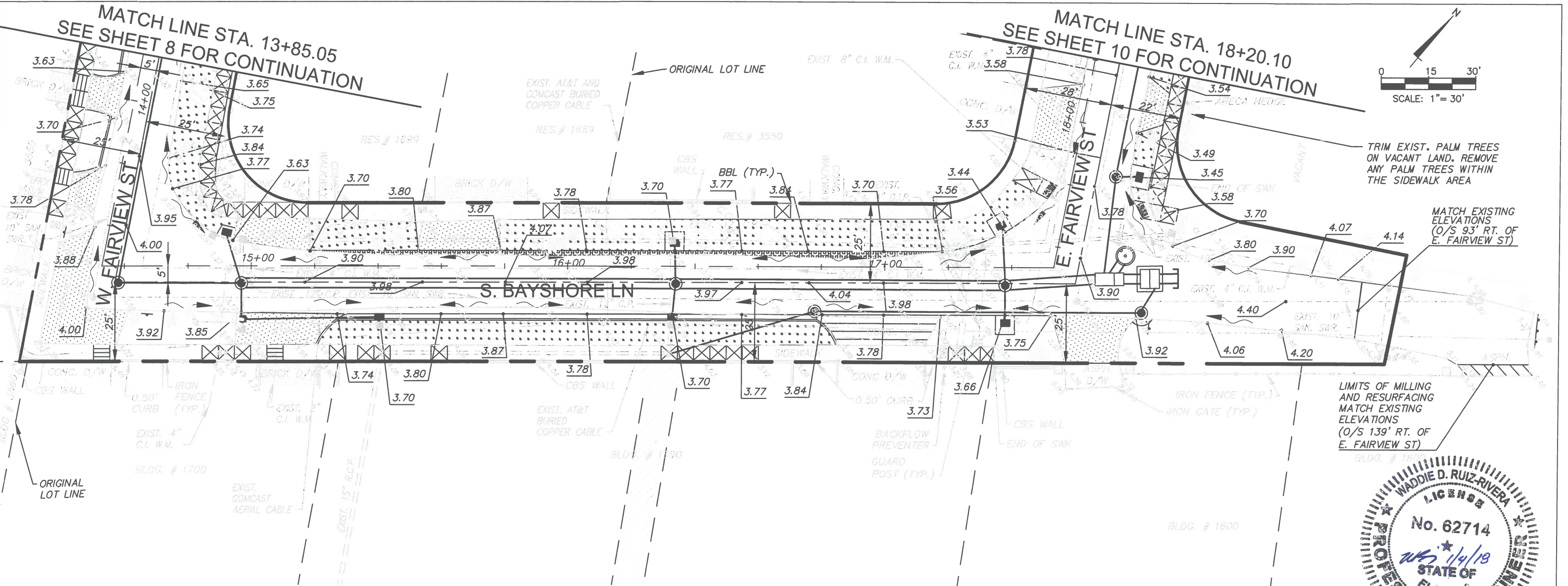
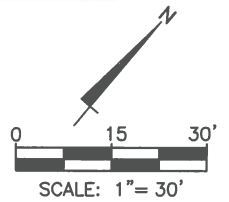
CITY OF MIAMI
CAPITAL IMPROVEMENTS PROGRAM
PROJECT NAME: S. BAYSHORE LN/ FAIRVIEW ST (EAST & WEST) ROADWAY & DRAINAGE IMPROVEMENTS
PROJECT No.: B-30737

ELEVATION & HARMONIZATION PLAN

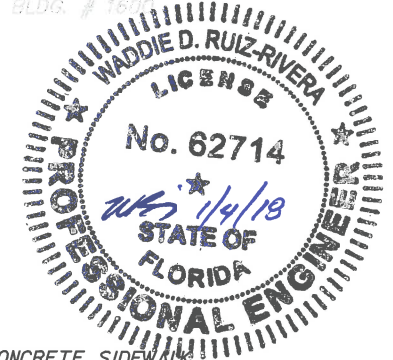
SHEET NO. 8

MATCH LINE STA. 13+85.05
SEE SHEET 8 FOR CONTINUATION














MATCH LINE STA. 18+20.10
SEE SHEET 10 FOR CONTINUATION



LIMITS OF MILLING AND RESURFACING MATCH EXISTING ELEVATIONS (O/S 139' RT. OF E. FAIRVIEW ST)




LEGEND

-  PROPOSED SOD
-  FLOW ARROW
-  EXISTING ELEVATION
-  MILLING AND RESURFACING
-  PROPOSED DETECTIVE WARNING
-  PROPOSED PAVEMENT WIDENING
-  BRICK DRIVEWAY RESTORATION
-  4" CONCRETE SIDEWALK REPLACEMENT
-  6" CONCRETE SIDEWALK/DW REPLACEMENT
-  ASPHALT DRIVEWAY RESTORATION
-  EXISTING BRICK DRIVEWAY
-  EXISTING ASPHALT DRIVEWAY
-  EXISTING CONCRETE DRIVEWAY

REVISIONS		
DATE	BY	DESCRIPTION

8550 N.W. 33RD STREET • SUITE 202
DORAL, FLORIDA 33122
PH (305) 551-4608 • FAX (305) 551-8977
WWW.ADAENG.NET • EB # 00003212
WADDIE RUIZ, P.E.
P.E. LICENSE NO. 62714



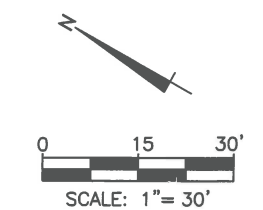
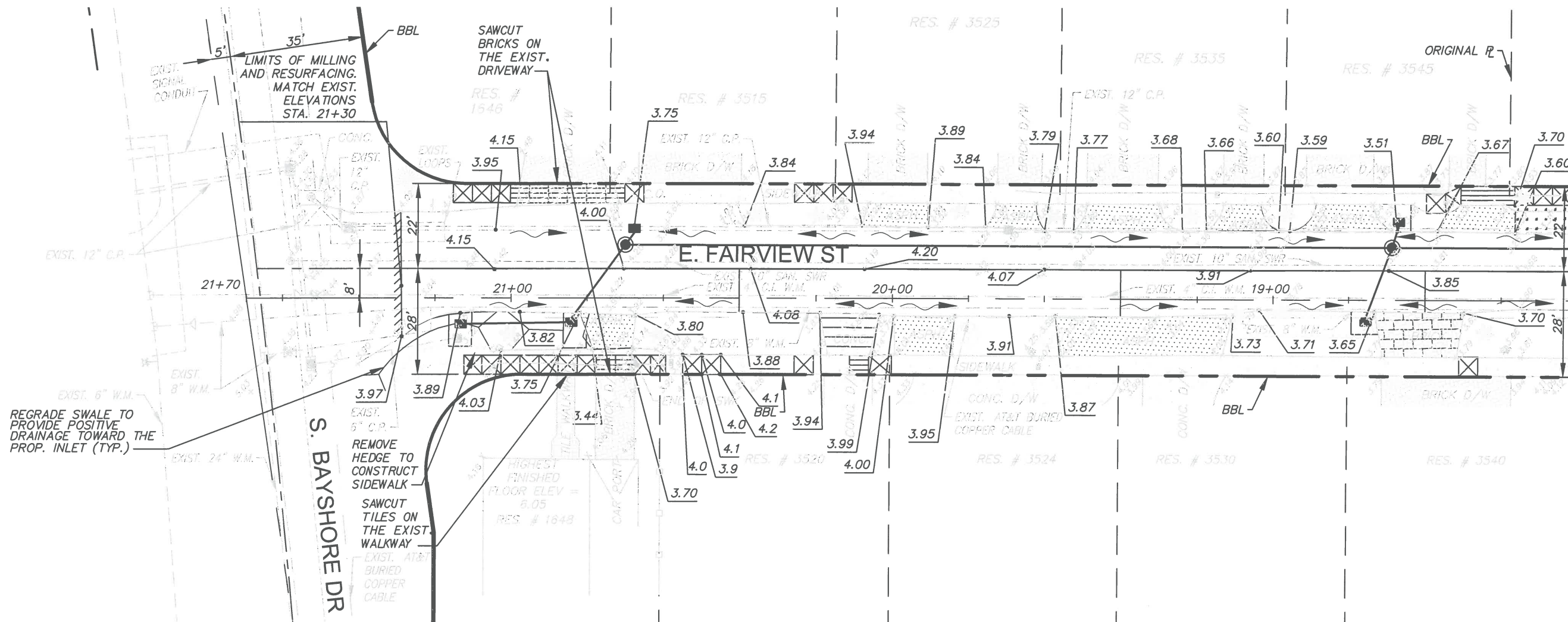

CITY OF MIAMI
CAPITAL IMPROVEMENTS PROGRAM
444 S.W. 2ND AVENUE, 8TH FLOOR
MIAMI, FLORIDA 33130
(305) 416-1213 FAX (305) 416-1253

CITY OF MIAMI
CAPITAL IMPROVEMENTS PROGRAM

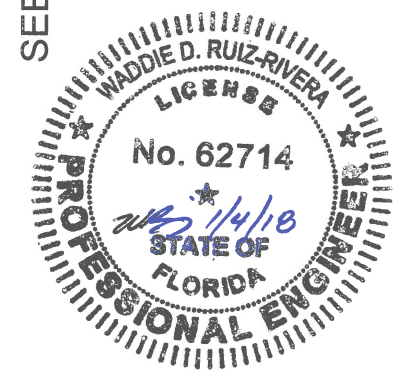
PROJECT NAME	PROJECT No.
S. BAYSHORE LN/ FAIRVIEW ST (EAST & WEST) ROADWAY & DRAINAGE IMPROVEMENTS	B-30737

ELEVATION & HARMONIZATION PLAN

SHEET NO.
9



MATCH LINE STA. 18+20.10
SEE SHEET 9 FOR CONTINUATION



LEGEND

- | | |
|----------------------------|-------------------------------------|
| PROPOSED SOD | 4" CONCRETE SIDEWALK REPLACEMENT |
| FLOW ARROW | 6" CONCRETE SIDEWALK/DW REPLACEMENT |
| EXISTING ELEVATION | ASPHALT DRIVEWAY RESTORATION |
| MILLING AND RESURFACING | EXISTING BRICK DRIVEWAY |
| PROPOSED DETECTIVE WARNING | EXISTING ASPHALT DRIVEWAY |
| PROPOSED PAVEMENT WIDENING | EXISTING CONCRETE DRIVEWAY |
| BRICK DRIVEWAY RESTORATION | |

REVISIONS		
DATE	BY	DESCRIPTION



8550 N.W. 33RD STREET • SUITE 202
DORAL, FLORIDA 33122
PH (305) 551-4608 • FAX (305) 551-8977
WWW.ADAENG.NET • EB # 00003212
WADDIE RUIZ, P.E.
P.E. LICENSE NO. 62714



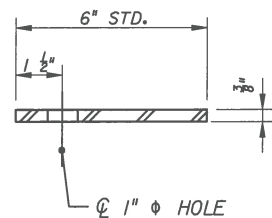
CITY OF MIAMI
CAPITAL IMPROVEMENTS PROGRAM
444 S.W. 2ND AVENUE, 8TH FLOOR
MIAMI, FLORIDA 33130
(305) 416-1213 FAX (305) 416-1253

CITY OF MIAMI
CAPITAL IMPROVEMENTS PROGRAM

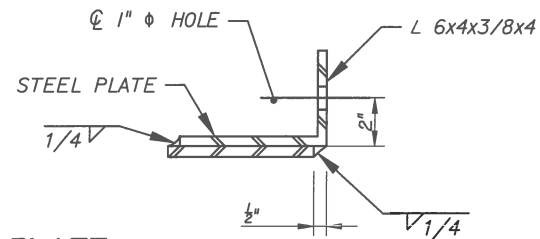
PROJECT NAME	PROJECT No.
S. BAYSHORE LN/ FAIRVIEW ST (EAST & WEST) ROADWAY & DRAINAGE IMPROVEMENTS	B-30737

ELEVATION & HARMONIZATION PLAN

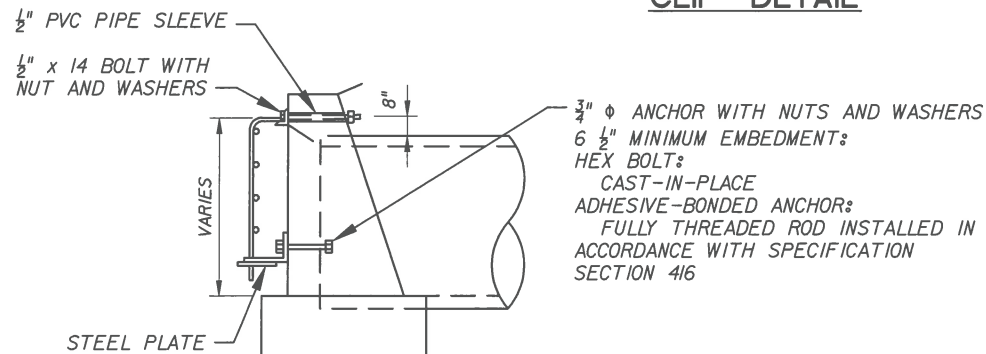
SHEET NO.
10



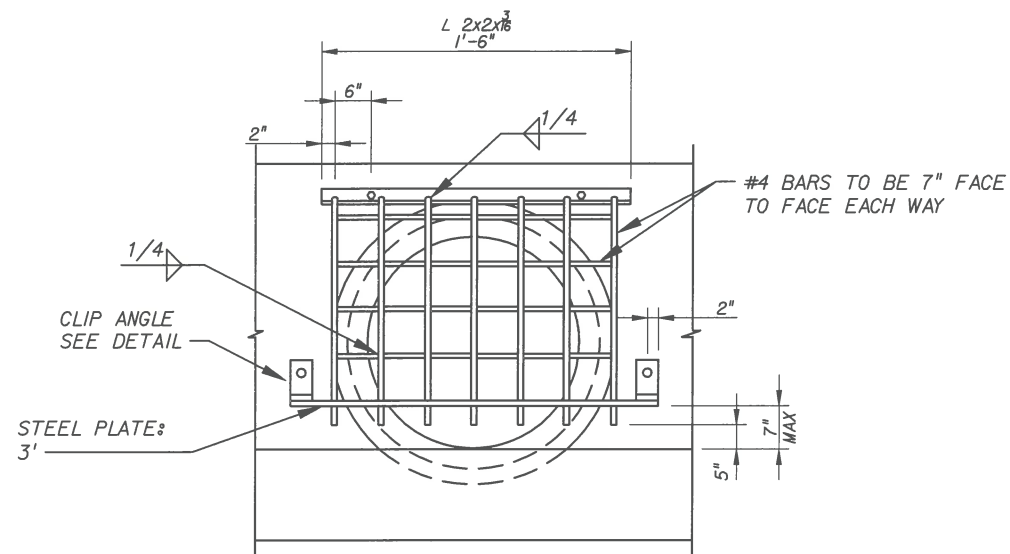
SECTION - STEEL PLATE



CLIP DETAIL



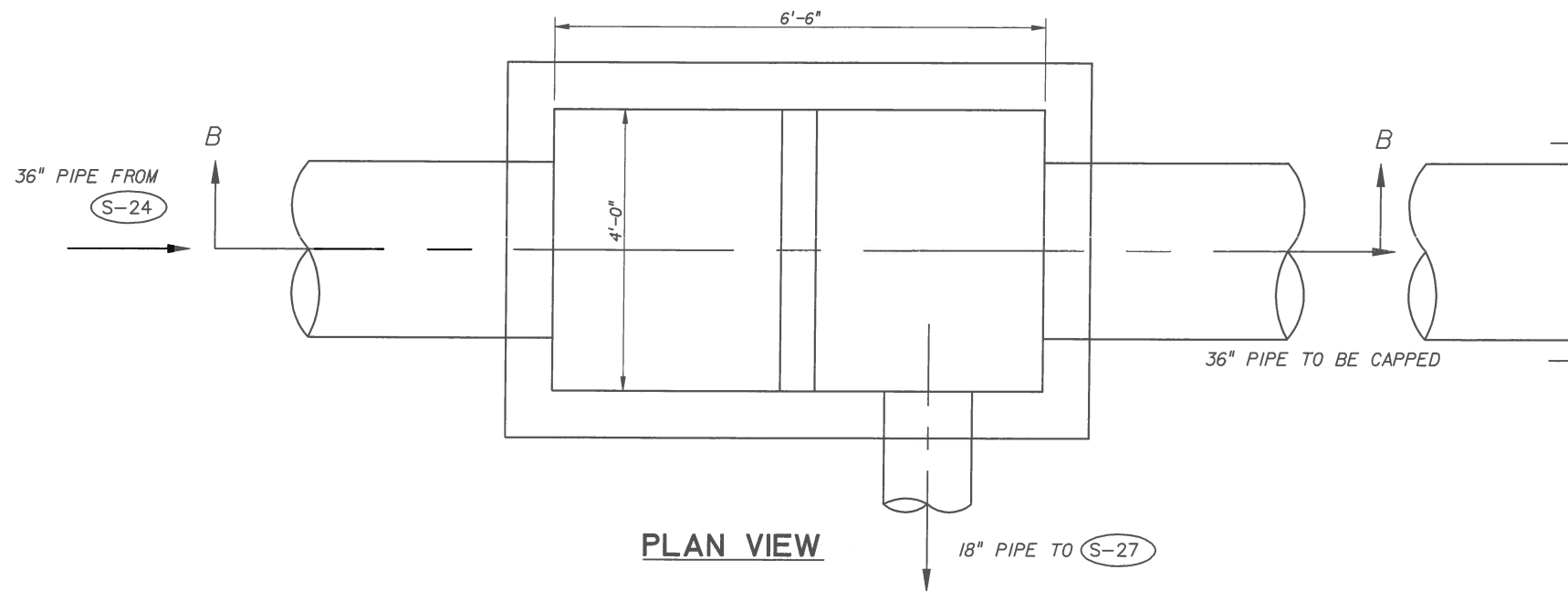
SIDE VIEW



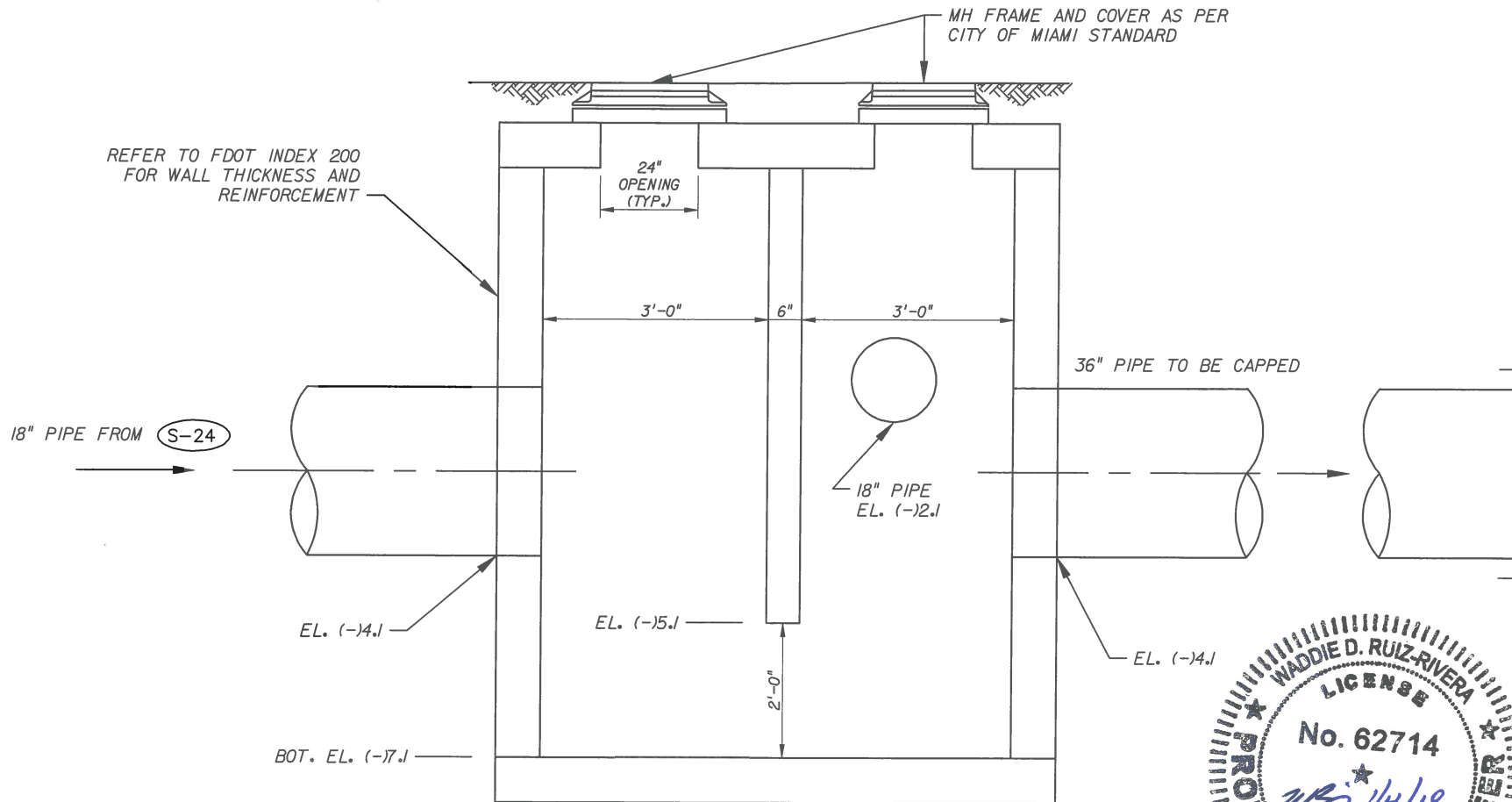
FRONT VIEW

NOTE:
GUARDS TO BE CONSTRUCTED ONLY AT LOCATION SPECIFICALLY CALLED FOR IN PLANS. GUARD, PLATE & CLIPS, BOLTS, NUTS AND SLEEVES TO BE INCLUDED IN MANATEE GRATE UNIT COST.

GUARD AT PIPE ENDS

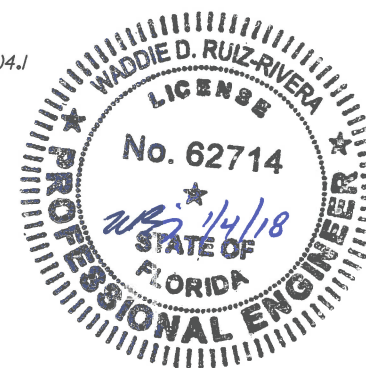


PLAN VIEW



SECTION B-B

BYPASS STRUCTURE DETAIL S-26



REVISIONS		
DATE	BY	DESCRIPTION



8550 N.W. 33RD STREET • SUITE 202
DORAL, FLORIDA 33122
PH (305) 551-4608 • FAX (305) 551-8977
WWW.ADAENG.NET • EB # 00003212
WADDIE RUIZ, P.E.
P.E. LICENSE NO. 62714



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.
S. BAYSHORE LN/ FAIRVIEW ST (EAST & WEST) ROADWAY & DRAINAGE IMPROVEMENTS	B-30737

DETAILS	

SHEET NO.
11

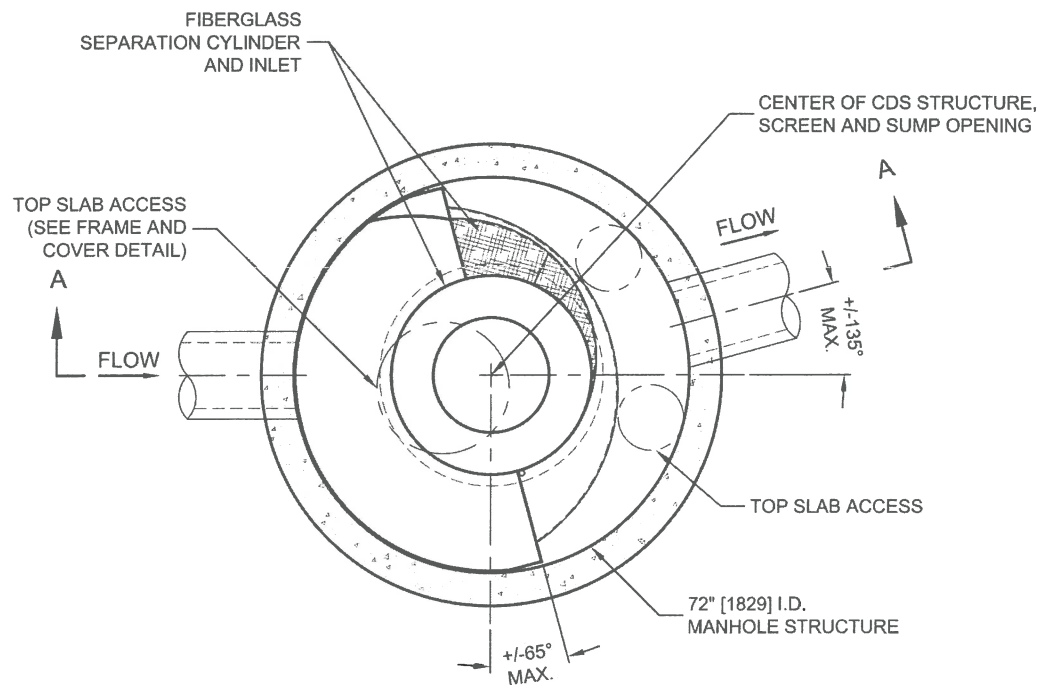
CDS3030-6-C DESIGN NOTES

CDS3030-6-C RATED TREATMENT CAPACITY IS 3.0 CFS [85.0 L/s], OR PER LOCAL REGULATIONS. MAXIMUM HYDRAULIC INTERNAL BYPASS CAPACITY IS 20.0 CFS [566 L/s]. IF THE SITE CONDITIONS EXCEED 20.0 CFS [566 L/s], AN UPSTREAM BYPASS STRUCTURE IS REQUIRED.

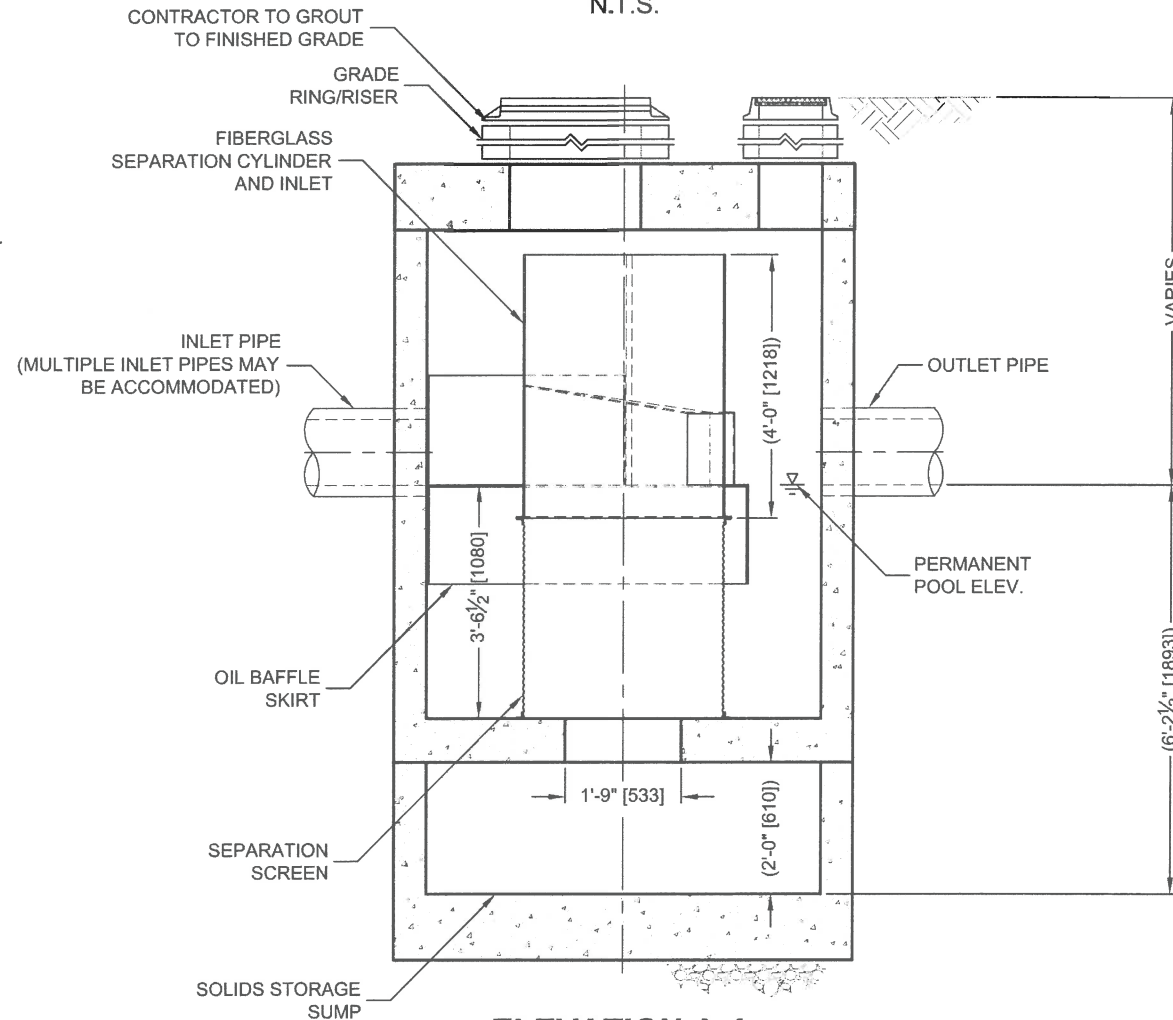
THE STANDARD CDS3030-6-C CONFIGURATION IS SHOWN. ALTERNATE CONFIGURATIONS ARE AVAILABLE AND ARE LISTED BELOW. SOME CONFIGURATIONS MAY BE COMBINED TO SUIT SITE REQUIREMENTS.

CONFIGURATION DESCRIPTION

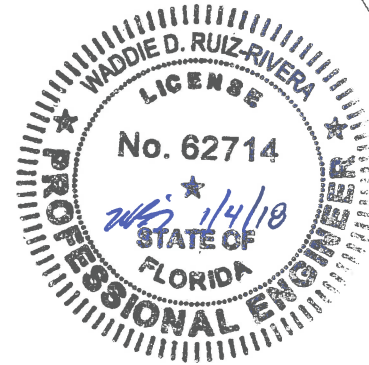
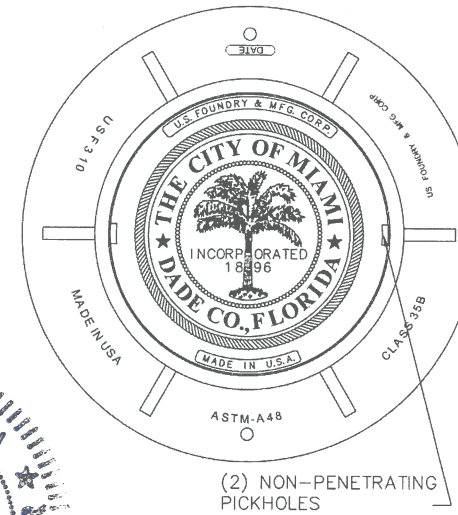
- GRATED INLET ONLY (NO INLET PIPE)
- GRATED INLET WITH INLET PIPE OR PIPES
- CURB INLET ONLY (NO INLET PIPE)
- CURB INLET WITH INLET PIPE OR PIPES
- SEPARATE OIL BAFFLE (SINGLE INLET PIPE REQUIRED FOR THIS CONFIGURATION)
- SEDIMENT WEIR FOR NJDEP / NJCAT CONFORMING UNITS



PLAN VIEW B-B
N.T.S.



ELEVATION A-A
N.T.S.



SITE SPECIFIC DATA REQUIREMENTS			
STRUCTURE ID			
WATER QUALITY FLOW RATE (CFS OR L/s)			*
PEAK FLOW RATE (CFS OR L/s)			*
RETURN PERIOD OF PEAK FLOW (YRS)			*
SCREEN APERTURE (2400 OR 4700)			*
PIPE DATA:	I.E.	MATERIAL	DIAMETER
INLET PIPE 1	*	*	*
INLET PIPE 2	*	*	*
OUTLET PIPE	*	*	*
RIM ELEVATION			*
ANTI-FLOTATION BALLAST	WIDTH	HEIGHT	
	*	*	
NOTES/SPECIAL REQUIREMENTS:			
* PER ENGINEER OF RECORD			

GENERAL NOTES

- CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
- DIMENSIONS MARKED WITH () ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
- FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.ContechES.com
- CDS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
- STRUCTURE SHALL MEET AASHTO HS20 AND CASTINGS SHALL MEET HS20 (AASHTO M 306) LOAD RATING, ASSUMING GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION.
- PVC HYDRAULIC SHEAR PLATE IS PLACED ON SHELF AT BOTTOM OF SCREEN CYLINDER. REMOVE AND REPLACE AS NECESSARY DURING MAINTENANCE CLEANING.

INSTALLATION NOTES

- ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
- CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CDS MANHOLE STRUCTURE (LIFTING CLUTCHES PROVIDED).
- CONTRACTOR TO ADD JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS, AND ASSEMBLE STRUCTURE.
- CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN.
- CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.

REVISIONS

DATE	BY	DESCRIPTION



8550 N.W. 33RD STREET • SUITE 202
DORAL, FLORIDA 33122
PH (305) 551-4608 • FAX (305) 551-8977
WWW.ADAENG.NET • EB # 00003212
WADDIE RUIZ, P.E.
P.E. LICENSE No. 62714



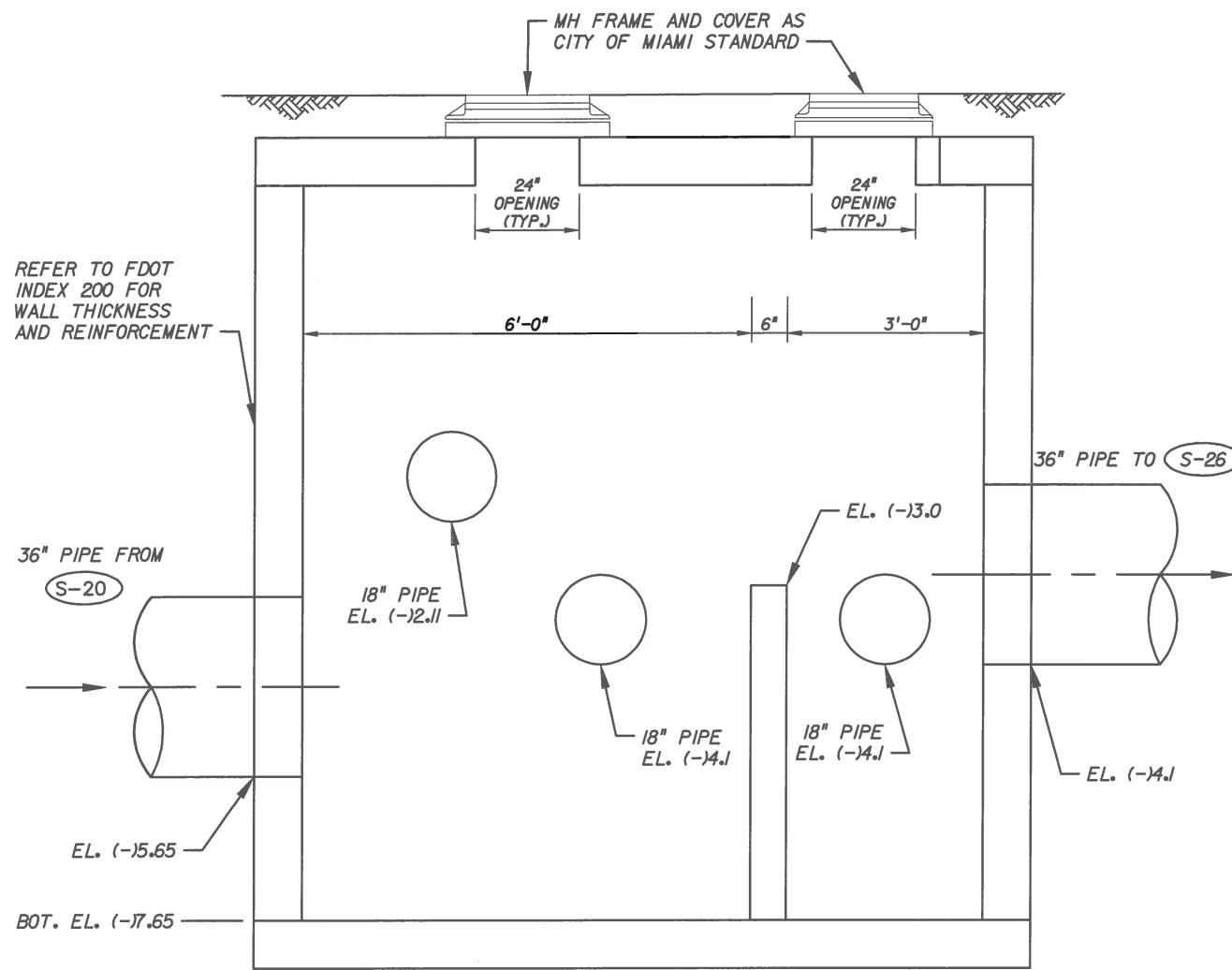
CITY OF MIAMI
CAPITAL IMPROVEMENTS PROGRAM
444 S.W. 2ND AVENUE, 8TH FLOOR
MIAMI, FLORIDA 33130
(305) 416-1213 FAX (305) 416-1253

CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM	
PROJECT NAME	PROJECT No.
S. BAYSHORE LN/ FAIRVIEW ST (EAST & WEST) ROADWAY & DRAINAGE IMPROVEMENTS	B-30737

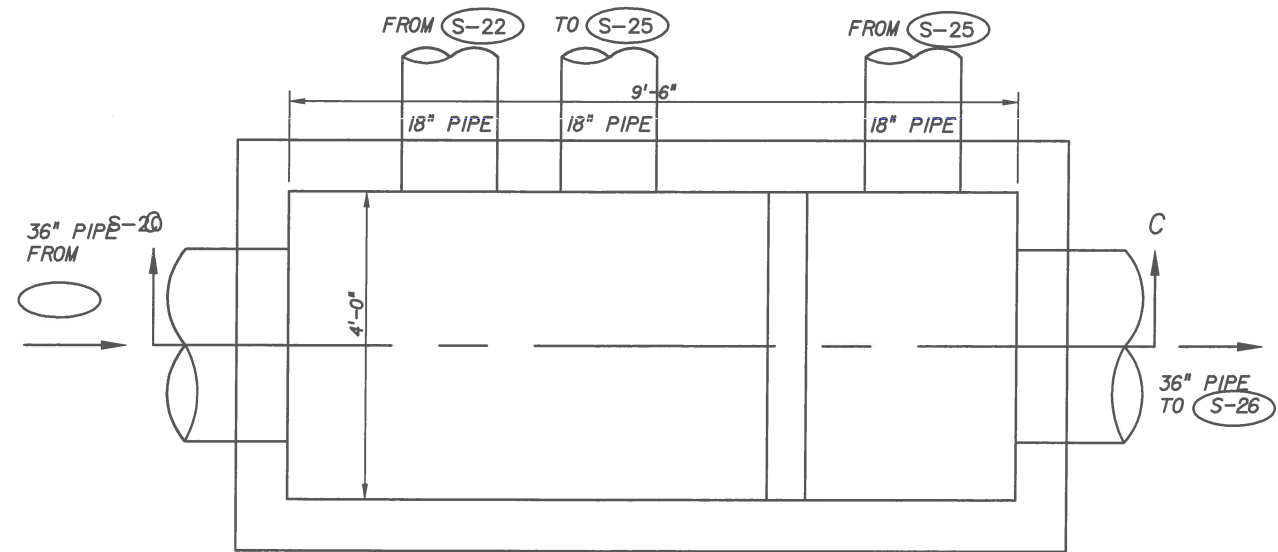
**POLLUTION CONTROL DRAINAGE
STRUCTURE DETAIL**

SHEET NO.

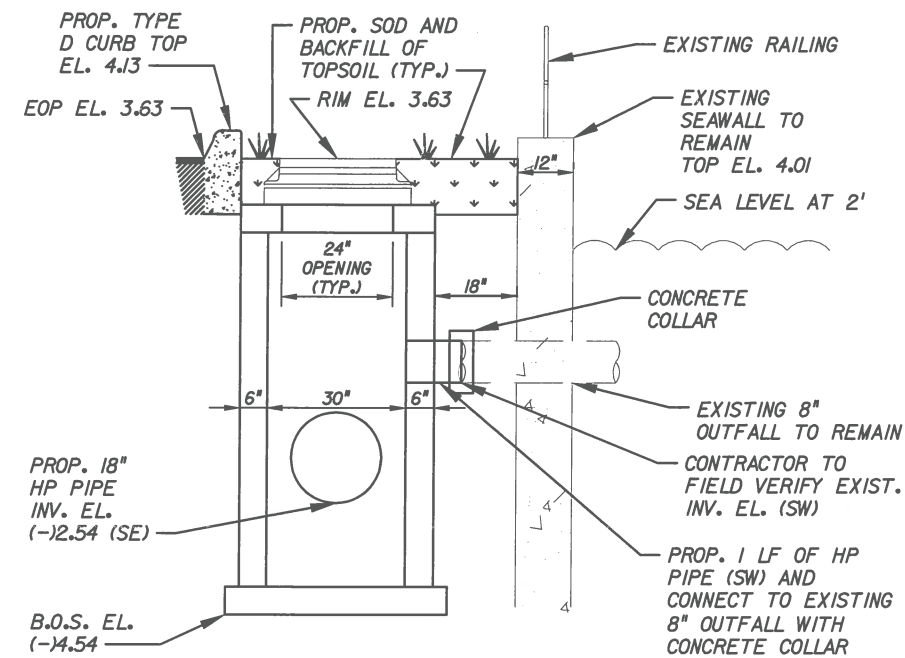
12



SECTION C-C
CONTROL DRAINAGE STRUCTURE W/ WEIR S-24

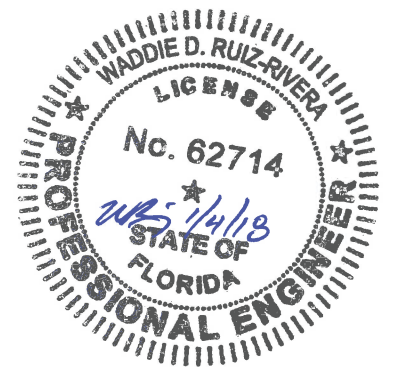


PLAN VIEW



SECTION A-A

DITCH BOTTOM INLET W/ MANHOLE COVER
30'X54' SECTION VIEW REFER TO PAGE 5



S-4

REVISIONS

DATE	BY	DESCRIPTION



8550 N.W. 33RD STREET • SUITE 202
DORAL, FLORIDA 33122
PH (305) 551-4608 • FAX (305) 551-8977
WWW.ADAENG.NET • EB # 00003212
WADDIE RUIZ, P.E.
P.E. LICENSE NO. 62714



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.
S. BAYSHORE LN/ FAIRVIEW ST (EAST & WEST) ROADWAY & DRAINAGE IMPROVEMENTS	B-30737

CONTROL DRAINAGE STRUCTURE DETAIL

SHEET NO.

13

TRAFFIC CONTROL PLANS (TCP):

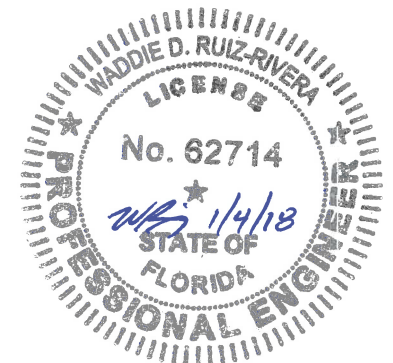
1. TRAFFIC CONTROLS SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE FLORIDA DOT DESIGN STANDARDS (600 SERIES), THE STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AS MINIMUM CRITERIA.
2. NOTIFICATION OF LANE CLOSURES OR TEMPORARY DETOURS 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 9:00 AM TO 3:30PM WEEKDAYS AND WEEKENDS.
6. TRAFFIC CONTROL PLANS FOR ALL PHASES ARE DESIGNED FOR NON-PEAK HOURS ONLY. THE CONTRACTOR SHALL KEEP ALL EXISTING LANES OPEN DURING PEAK HOURS IN THESE PHASES.
7. AS DETERMINED BY THE ENGINEER, THE CONTRACTOR SHALL COVER WORK ZONE SIGNS WHEN CONDITIONS NO LONGER WARRANT THEIR USE. COST OF COVERING AND UNCOVERING THE SIGNS SHALL BE INCLUDED IN PAY ITEM 102-1, MAINTENANCE OF TRAFFIC.
8. CONTRACTOR SHALL REMOVE, RELOCATE OR COVER ANY EXISTING OR PROPOSED SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLANS. WHEN THE CONFLICT NO LONGER EXISTS, THE CONTRACTOR SHALL RESTORE THE SIGNS TO THEIR ORIGINAL POSITION. COST OF TEMPORARILY REMOVING, RELOCATING, COVERING AND RESTORING THE SIGNS SHALL BE INCLUDED IN PAY ITEM 102-1, MAINTENANCE OF TRAFFIC.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE REMOVAL OF STORM WATER FROM ROADWAYS UTILIZED FOR MAINTAINING TRAFFIC IN A MANNER APPROVED BY THE ENGINEER. COST FOR REMOVING THE WATER SHALL BE INCLUDED IN PAY ITEM 102-1, MAINTENANCE OF TRAFFIC.
10. COST OF REMOVAL OF WORK ZONE PAVEMENT MARKINGS (INCLUDING PAINT, REMOVABLE TAPE AND MARKERS), REGARDLESS OF METHOD, TO BE INCLUDED IN THE RELATED PAVEMENT MARKING/MARKERS PAY ITEMS. COST OF REMOVAL OF PAVEMENT MARKINGS AND MARKERS PRIOR TO CONSTRUCTION, TO BE INCLUDED IN MAINTENANCE OF TRAFFIC, PAY ITEM 102-1. USE OF BLACK PAINT TO COVER EXISTING AND/OR TEMPORARY PAVEMENT MARKINGS IS PROHIBITED. GRINDING OR MILLING SHALL ONLY BE PERMITTED IN NON-TRAFFIC AREAS.
11. TEMPORARY LANE TRANSITIONS, SHIFTS, AND CROSSOVERS SHALL HAVE SOLID LANE AND EDGE LINES FOR THE LENGTH OF THE TRANSITION, SHIFT OR CROSSOVER. IN ADDITION, SOLID LANE AND EDGE LINES SHALL EXTEND 100 FT ON TANGENT BEYOND EACH END OF THE TRANSITION, SHIFT, OR CROSSOVER. EXCEPTION SHALL BE THROUGH INTERSECTIONS WHERE 2 FT TO 4 FT SKIP LINES WILL BE PLACED.
12. ALL TEMPORARY STRIPES AND MARKINGS SHALL BE PAINT ONLY, UNLESS OTHERWISE SPECIFIED ON THE PLANS OR APPROVED BY THE ENGINEER.
13. ARROWS ON THE TRAFFIC CONTROL DETAILS DENOTE THE DIRECTION OF TRAFFIC ONLY AND DO NOT REFLECT PAVEMENT MARKINGS UNLESS SPECIFICALLY NOTED.
14. EACH EXISTING STREET NAME AND STOP SIGN AFFECTED BY CONSTRUCTION SHALL BE RELOCATED AND MAINTAINED IN AN APPROPRIATE LOCATION FOR THE DURATION OF THE PROJECT. WHEN NO LONGER AFFECTED BY CONSTRUCTION, THESE SIGNS SHALL BE RESTORED TO THEIR ORIGINAL POSITION. COST OF TEMPORARILY RELOCATING AND RESTORING THE SIGNS SHALL BE INCLUDED IN PAY ITEM 102-1, MAINTENANCE OF TRAFFIC.
15. CONTRACTOR TO MAINTAIN LEFT TURNS AT THE INTERSECTIONS WITH STORAGE FOR TWO VEHICLES.
16. 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.
17. 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.
18. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS DURING CONSTRUCTION BY PROVIDING TRAFFIC PLATES, BACKFILLING TRENCHES IN DRIVEWAYS, OR USING OTHER METHODS ACCEPTED BY ENGINEER.

INTERSECTIONS:

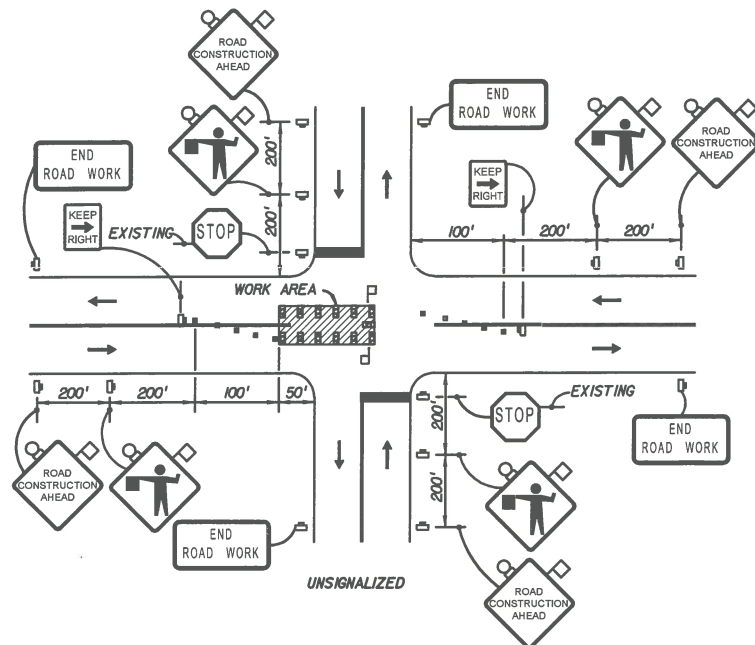
1. INTERSECTIONS SHALL BE RECONSTRUCTED WORKING ON A CONTINUOUS DAILY BASIS UNTIL COMPLETE AND UNTIL THE STRUCTURAL COURSE IS PLACED.
2. M.O.T. TRANSITIONS AND TEMPORARY INTERSECTION CROSSOVERS WHERE CONSTRUCTION HAS CAUSED GRADE DIFFERENCES BETWEEN THE EXISTING AND NEW ROADWAYS SHALL BE CONSTRUCTED USING A 1:20 TYPE SP ASPHALT CONCRETE SLOPE TO ACCOMMODATE VEHICULAR TRAFFIC FROM ANY DIRECTION. ALL MATERIAL AND WORK, INCLUDING ITS REMOVAL, SHALL BE INCLUDED IN PAY ITEM 102-1, MAINTENANCE OF TRAFFIC.

PEDESTRIANS, BICYLCES, AND WHEELCHAIRS:

1. AT THE END OF EACH WORK DAY OR WHENEVER THE WORK ZONE BECOMES INACTIVE, ANY DROP OFF GREATER THAN 6 IN. ADJACENT TO THE PEDESTRIAN, BICYCLE, AND WHEELCHAIR TRAVEL PATHS SHALL BE BACKFILLED FLUSH WITH THE SAID PATHS OR PROTECTED WITH TEMPORARY FENCE, CONCRETE BARRIER WALL OR APPROVED HANDRAIL. COST SHALL BE INCLUDED IN PAY ITEM 102-1, MAINTENANCE OF TRAFFIC.
2. CONSTRUCTION ACTIVITIES THAT INVOLVES SIDEWALKS ON BOTH SIDES OF THE STREET ARE NOT ALLOWED UNLESS APPROVED BY THE ENGINEER.
3. MAINTAIN PEDESTRIAN ACCESS TO BUS STOP LOCATIONS IN PROJECT AREA. IF BUS STOP MUST BE RELOCATED, PLEASE CONTACT MRS. JUDY EMERSON MDTA AT (786) 469-5073.
4. CONTRACTOR SHALL REFER TO STANDARD INDEX NO. 660 FOR PEDESTRIAN CONTROL FOR CLOSURE OF SIDEWALKS.

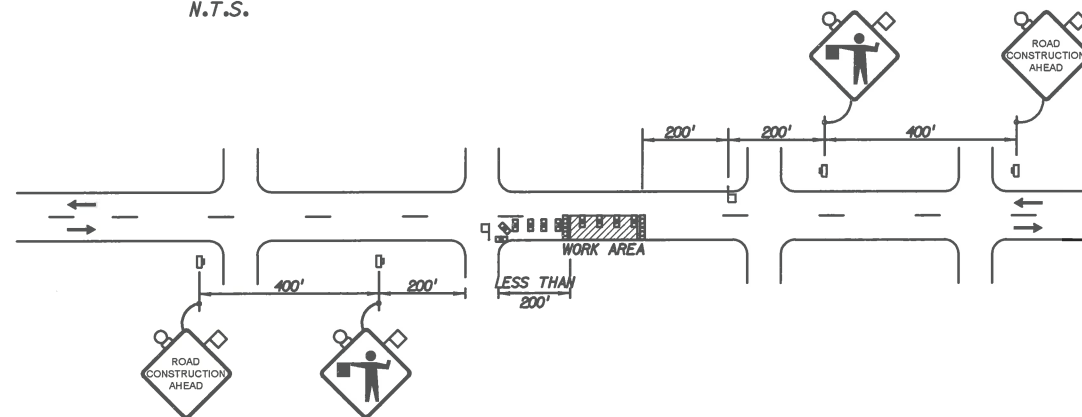


REVISIONS		 8550 N.W. 33RD STREET • SUITE 202 DORAL, FLORIDA 33122 PH (305) 551-4608 • FAX (305) 551-8977 WWW.ADAENG.NET • EB # 00003212 WADDIE RUIZ, P.E. P.E. LICENSE NO. 62714	 CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM 444 S.W. 2ND AVENUE, 8TH FLOOR MIAMI, FLORIDA 33130 (305) 416-1213 FAX (305) 416-1253	CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM		TRAFFIC CONTROL NOTES	SHEET NO. 14
DATE	BY			PROJECT NAME	PROJECT No.		
				S. BAYSHORE LN/ FAIRVIEW ST (EAST & WEST) ROADWAY & DRAINAGE IMPROVEMENTS	B-30737		

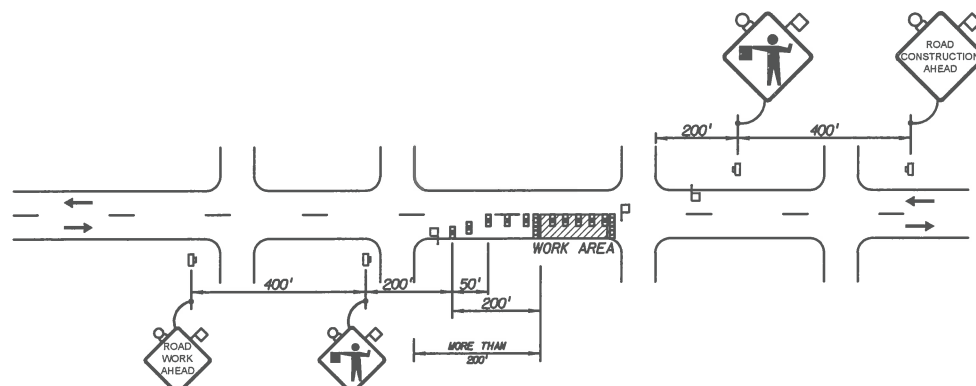


TWO-LANE TWO-WAY, WORK IN INTERSECTION
(FDOT INDEX 604)

N.T.S.



N.T.S.



N.T.S.

CONDITIONS:

WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH ON THE PAVEMENT REQUIRING THE CLOSURE OF A PORTION OF ONE OR MORE TRAFFIC LANES IN AN INTERSECTION.

SYMBOLS

- WORK AREA
- SIGN WITH 18" X 18" (MIN.) ORANGE FLAG AND TYPE B LIGHT
- TYPE I OR TYPE II BARRICADE OR VERTICAL PANEL OR DRUM (WITH STEADY BURNING LIGHT AT NIGHT ONLY)
- TYPE I OR TYPE II BARRICADE OR VERTICAL PANEL OR DRUM (WITH FLASHING LIGHT AT NIGHT ONLY)
- WORK ZONE SIGN
- FLAGGER
- ADVANCE WARNING ARROW PANEL
- LANE IDENTIFICATION AND DIRECTION OF TRAFFIC

CONDITIONS:

WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH ON THE PAVEMENT REQUIRING THE CLOSURE OF ONE TRAFFIC LANE, FOR WORK AREAS LESS THAN 200' DOWNSTREAM FROM AN INTERSECTION FOR A PERIOD OF MORE THAN 60 MINUTES.

CONDITIONS:

WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH ON THE PAVEMENT REQUIRING THE CLOSURE OF ONE TRAFFIC LANE, FOR WORK AREAS 200' OR MORE DOWNSTREAM FROM AN INTERSECTION FOR A PERIOD OF MORE THAN 60 MINUTES.

NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR SECURING FINAL M.O.T. PERMIT APPROVALS FROM ALL APPLICABLE AGENCIES.
2. REFER TO FDOT INDEX 604 AND 605 FOR MORE DETAILS.



REVISIONS		
DATE	BY	DESCRIPTION

8550 N.W. 33RD STREET • SUITE 202
DORAL, FLORIDA 33122
PH (305) 551-4608 • FAX (305) 551-8977
WWW.ADAENG.NET • EB # 00003212
WADDIE RUIZ, P.E.
P.E. LICENSE NO. 62714

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.
S. BAYSHORE LN/ FAIRVIEW ST (EAST & WEST) ROADWAY & DRAINAGE IMPROVEMENTS	B-30737

TRAFFIC CONTROL DETAILS

SHEET NO.
15

SWPPP - NARRATIVE

1. PROJECT/SITE DESCRIPTION

a. CONSTRUCTION ACTIVITY:

THE IMPROVEMENTS INCLUDE INSTALLATION OF DRAINAGE PIPING, DRAINAGE STRUCTURES, ROADWAY RESTORATION, PAVEMENT MARKINGS AND SIDEWALK IMPROVEMENTS.

PROJECT LIMITS:

W FAIRVIEW STREET, S BAYSHORE LANE, AND E FAIRVIEW STREET.

PROJECT DESCRIPTION:

THE PROJECT CONSISTS OF DRAINAGE IMPROVEMENTS SUCH AS INSTALLATION OF PIPING AND DRAINAGE STRUCTURES.

b. MAJOR SOIL DISTURBING ACTIVITIES:

- CLEARING & GRUBBING
- REGULAR EXCAVATION
- REMOVAL OF EXISTING PAVEMENT
- DRAINAGE - STRUCTURE CONSTRUCTION
- EARTHWORK ASSOCIATED WITH DRAINAGE: TRENCH EXCAVATION

c. TOTAL PROJECT AREA:

1.33 ACRES

TOTAL AREA TO BE DISTURBED:

0.03 ACRES

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

IMPERVIOUS AREA CN-98
PERVIOUS AREA CN-93

(2) DESCRIPTION OF SOIL OR QUALITY OF DISCHARGE:

N/A

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

N/A

e. FOR LOCATIONS OF DRAINAGE AREAS AND OUTFALLS :

N/A

f. (1) NAME OF RECEIVING WATERS:

N/A

(2) WETLAND AREA:

N/A

2. CONTROLS

NARRATIVE - SEQUENCE OF SOIL DISTURBING ACTIVITIES AND IMPLEMENTATION OF CONTROLS:
PRIOR TO THE START OF CLEARING AND GRUBBING OPERATIONS, SILT FENCE, AND SYNTHETIC BALES SHALL BE INSTALLED AS SHOWN ON THE PLANS FOR EACH PHASE OF CONSTRUCTION OR AS DIRECTED BY THE ENGINEER. THE SILT FENCE, SHALL REMAIN IN PLACE UNTIL THE CONSTRUCTION IS COMPLETED OR AS DIRECTED BY THE ENGINEER. TEMPORARY SODDING, PERMANENT SODDING, ETC SHALL BE PLACED IN DISTURBED SOILS.

a. EROSION AND SEDIMENT CONTROLS:

(1) STABILIZATION PRACTICES:

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

(2) STRUCTURAL PRACTICES:

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

b. DESCRIPTION OF STORM WATER MANAGEMENT:

THE PROPOSED IMPROVEMENTS PROVIDE 1,380 LF OF FRENCH DRAIN, DRAINAGE INLETS, MANHOLES AND PIPINGS.

c. OTHER CONTROLS

(1) WASTE DISPOSAL:

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

(2) OFFSITE VEHICLE TRACKING:

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

(3) SANITARY WASTE:

N/A

(4) FERTILIZERS, PESTICIDES AND TREES:

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

(5) TOXIC SUBSTANCES:

TOXIC SUBSTANCES WILL NOT BE STORED AT THE SITE.

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

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

(7) EROSION CONTROL DEVICES

LOCATIONS AND TYPES OF ALL EROSION CONTROL DEVICES SHALL BE INSTALLED AS DIRECTED BY PLAN AND/OR BY THE CITY OF MIAMI. CONTRACTOR SHALL IMPLEMENT THE SWPPP AS PER CONTRACT PLANS. HOWEVER, IT MAY BE REVISED BASED ON ACTUAL FIELD CONDITIONS AT THE TIME WORK IS BEING PERFORMED. FIELD MODIFICATIONS WILL BE APPROVED BY THE CITY OF MIAMI.

MONITORING SHALL BE PERFORMED ON A WEEKLY BASIS AND AFTER A 1/2" STORM EVENT WITH ROUTINE MAINTENANCE AND REPLACEMENT OF ANY DEVICES AS REQUIRED. CONTAINMENT OR REMOVAL OF POLLUTANTS SHALL BE IN ACCORDANCE WITH ALL APPLICABLE STATE AND CITY OF MIAMI REGULATIONS AND/OR FDOT STANDARD SPECIFICATIONS. THE RESPONSIBLE PERSONS FOR MONITORING AND MAINTAINING THE EROSION CONTROL DEVICES SHALL BE:

CONTRACTOR: TELEPHONE:

REMARKS:

IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED, CONTACT PROJECT ENGINEER AT 305-551-4608

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

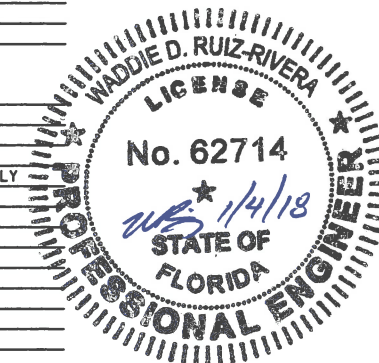
- 1. NPDES PERMIT (0.5 ACRE OR MORE)
- 2. NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT FROM THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) FOR PROJECTS DISTURBING MORE THAN 1 ACRE.
- 3. DADE COUNTY PERMITTING, ENVIRONMENT AND REGULATORY AFFAIRS (PERA) CLASS II-STORMWATER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

3. MAINTENANCE:

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

4. INSPECTION:

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



REVISIONS		
DATE	BY	DESCRIPTION

8550 N.W. 33RD STREET • SUITE 202
DORAL, FLORIDA 33122
PH (305) 551-4608 • FAX (305) 551-8977
WWW.ADAENG.NET • EB # 00003212
WADDIE RUIZ, P.E.
P.E. LICENSE NO. 62714

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

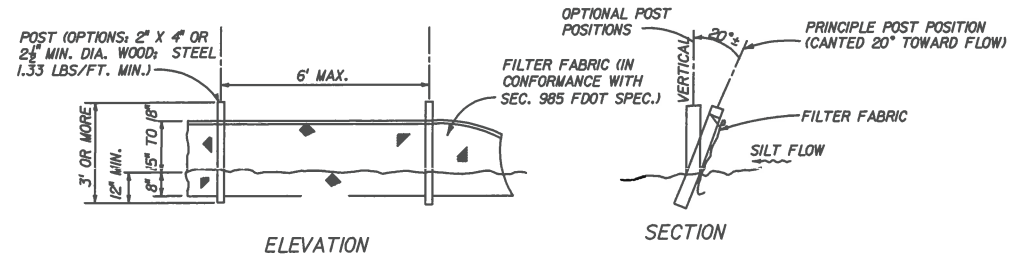
CITY OF MIAMI
CAPITAL IMPROVEMENTS PROGRAM

PROJECT NAME	PROJECT No.
S. BAYSHORE LN/ FAIRVIEW ST (EAST & WEST) ROADWAY & DRAINAGE IMPROVEMENTS	B-30737

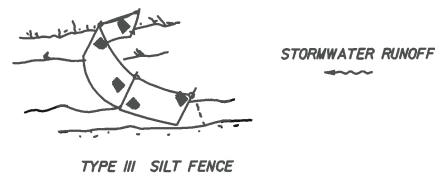
STORMWATER POLLUTION PREVENTION NOTES

SHEET NO.	16
-----------	----

SWPPP - DETAILS

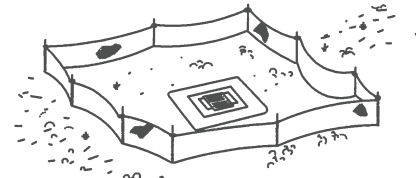


SILT FENCE DETAIL
N.T.S.



NOTES:

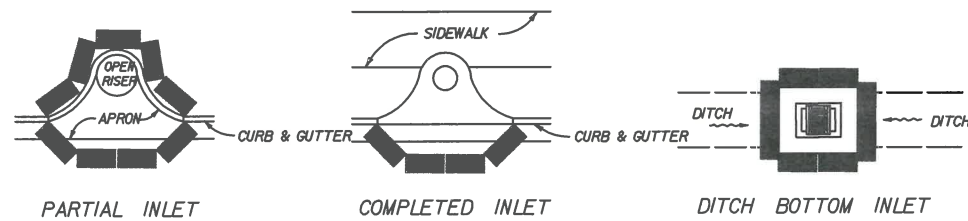
1. SPACING FOR TYPE III FENCE TO BE IN ACCORDANCE WITH CHART 1, SHEET 1 OF 3 AND DITCH INSTALLATIONS AT DRAINAGE STRUCTURES SHEET 2 OF 3 PER 2010 FOOT DESIGN STANDARDS INDEX 102



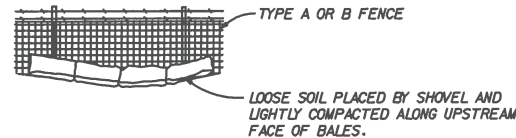
TYPE III SILT FENCE PROTECTION AROUND DITCH BOTTOM INLETS.

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 SPACED IN ACCORDANCE WITH CHART 1, SHEET 1 PER INDEX 102 OF THE 2010 FOOT DESIGN STANDARDS.
2. BALES SHALL BE ANCHORED WITH 2" 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.

NOTES:

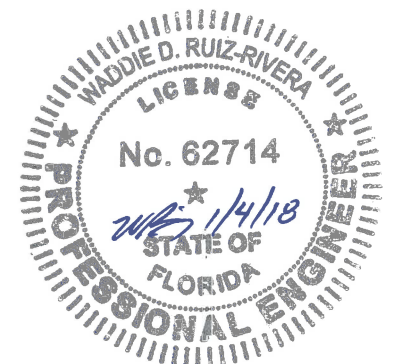
TOTAL ACREAGE OF DISTURBED SOIL 0.03 AC.
PW NPDES PERMIT NO. N/A
DATE ISSUED: N/A

**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 M.P.D.E.S. REQUIREMENTS. THE CONTRACTOR MUST INSURE THAT ALL EROSION CONTROL FEATURES FUNCTION PROPERLY AT ALL TIMES.
 5. ALL EROSION AND MATERIAL DEPOSITS MUST BE CONTAINED WITHIN THE PROJECT LIMITS.
 6. ANY DAMAGED OR INEFFECTIVE ROCK BAGS ARE TO BE REPLACED WITH NEW ONES. THE LOCATION OF ROCK BAGS INSTALLATION IS AS MENTIONED IN THE SWPPP PLANS. THE PROJECT ENGINEER MAY SPECIFY OTHER AREAS AS NECESSARY.
 7. DITCH BOTTOM INLETS SHALL BE PROTECTED FROM SEDIMENT INTAKE UNTIL PROJECT IS COMPLETE. ELEVATION OF GROUND OUTSIDE INLET TOP SHALL NOT BE HIGHER THAN INLET TOP. ROCK BAGS SHALL BE INSTALLED AROUND INLET TOP. COMPLETED INLETS IN PAVED AREAS SHALL ALSO BE PROTECTED WITH ROCK BAGS TO PREVENT SEDIMENT INTAKE.
 8. CURB INLETS ALSO SHALL BE PROTECTED FROM SEDIMENT INTAKE UNTIL THE PROJECT IS COMPLETE. ALL EXPOSED SLOPED MATERIAL ADJACENT TO INLET, SHALL BE COVERED WITH EROSION CONTROL MATTING WITH OUTER LIMITS PROTECTED BY ROCK BAGS.
 9. STOCKPILED MATERIAL SHALL NOT BE LEFT IN EROSION PRONE AREAS UNLESS PROTECTED BY COVER OR ROCK BAGS.
 10. INSPECTION OF EROSION CONTROL MEASURES AND CONDITION OF ADJACENT PROPERTIES, SHALL BE PERFORMED DAILY BY THE CONTRACTOR'S REPRESENTATIVE AND THE PROJECT ENGINEER. DEFICIENCIES SHALL BE NOTED AND CORRECTED.
 11. ANY OFFSITE SEDIMENT DISCHARGE TO A MUNICIPAL SEPARATE STORM WATER SYSTEM ARISING FROM THE CONTRACTOR'S ACTIVITIES IS NOT ALLOWED. REFER TO PUBLIC WORKS DEPARTMENT BULLETIN No. 25 and City Ordinance 13081.
 12. THE USE OF SANITARY SEWERS, FRENCH DRAINS, COVER DITCHES AND/OR ROCK DRAINS FOR THE DISPOSAL OF WASTEWATER IS EXPRESSLY PROHIBITED. REFER TO PUBLIC WORKS DEPARTMENT BULLETIN No. 25 and City Ordinance 13081.
- * NPDES - NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM Authorized by NPDES permit FLS 000002.
BMP - Best Management Practice.

STORM WATER POLLUTION PREVENTION PLAN (SWPPP) CHECKLIST

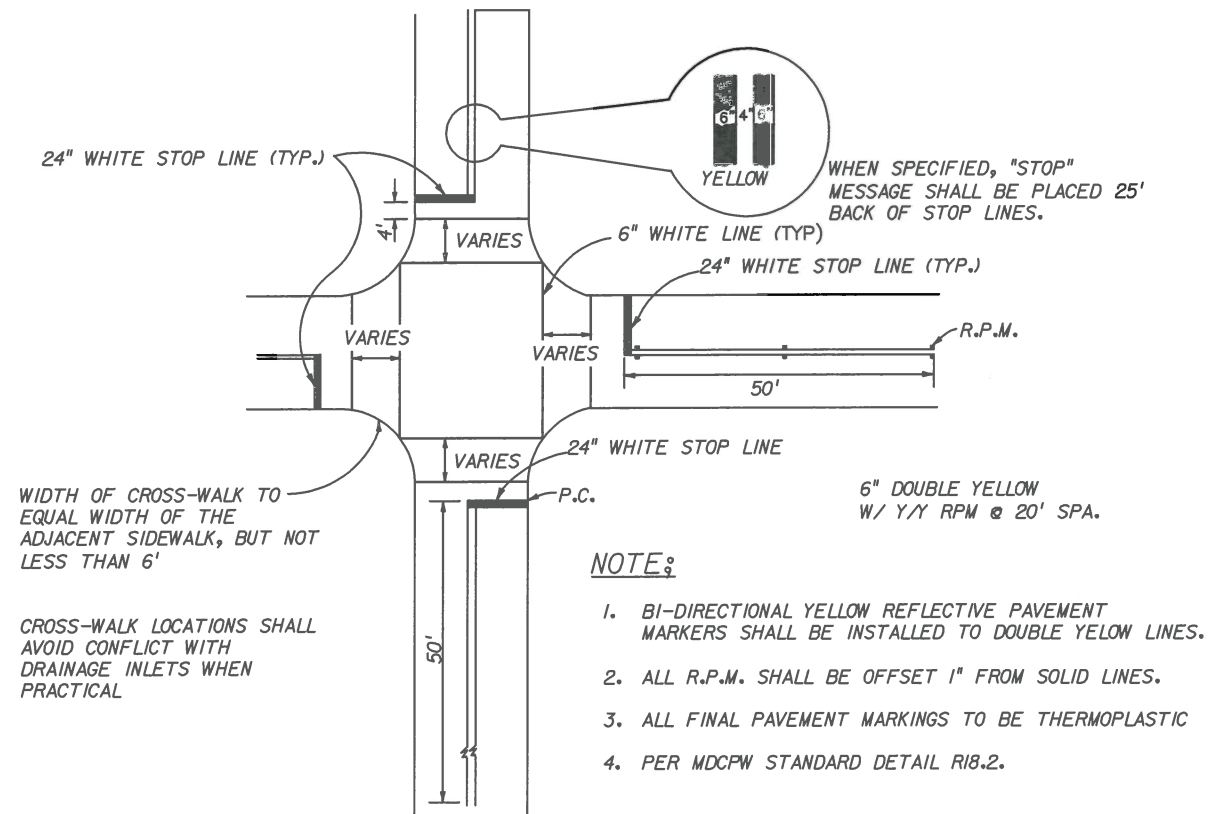
- A. SEQUENCE OF SOIL DISTURBING ACTIVITIES AND IMPLEMENTATION OF CONTROLS:
 1. CLEAR & GRUBBING
 2. INSTALL DRAINAGE STRUCTURES
 3. STABILIZATION
 4. BASE PREPARATION
 5. ASPHALT APPLICATION
 6. PLACEMENT OF ROCK BAGS AROUND INLETS
 7. PLACEMENT OF ROCK BAGS AROUND MANHOLES
 8. APPLICATION OF FRICTION COURSE A.C.
 9. INSTALLATION OF STREET SIGNING
 10. PAVEMENT MARKING
 11. REMOVE ROCK BAGS
 12. CLEAN ALL CONSTRUCTION DEBRIS FROM CONSTRUCTION SITE
- B. GENERAL
 1. APPROVED STATE, LOCAL PLANS OR STORM WATER PERMITS.
 2. ALL OF THE CONTROLS SHALL BE MAINTAINED AT ALL TIMES.
 3. ALL CONTROLS SHALL BE INSPECTED DAILY.
 4. APPLY FERTILIZERS AND PESTICIDES ACCORDING TO STANDARD SPECIFICATIONS, DESIGN AND SPECIAL PROVISIONS.
 5. REPORT NON-STORM WATER DISCHARGE (INCLUDING SPILL) (305) 416-1200.
 6. VISIT www.dep.state.fl.us/water/stormwater/npdes/



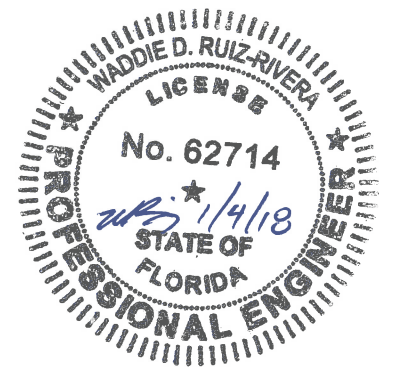
<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		DATE	BY	DESCRIPTION				<p>8550 N.W. 33RD STREET • SUITE 202 DORAL, FLORIDA 33122 PH (305) 551-4608 • FAX (305) 551-8977 WWW.ADAENG.NET • EB # 00003212 WADDIE RUIZ, P.E. P.E. LICENSE NO. 62714</p>	<p>CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM 444 S.W. 2ND AVENUE, 8TH FLOOR MIAMI, FLORIDA 33130 (305) 416-1213 FAX (305) 416-1253</p>	<p>CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM</p> <table border="1"> <thead> <tr> <th>PROJECT NAME</th> <th>PROJECT No.</th> </tr> </thead> <tbody> <tr> <td>S. BAYSHORE LN/ FAIRVIEW ST (EAST & WEST) ROADWAY & DRAINAGE IMPROVEMENTS</td> <td>B-30737</td> </tr> </tbody> </table>	PROJECT NAME	PROJECT No.	S. BAYSHORE LN/ FAIRVIEW ST (EAST & WEST) ROADWAY & DRAINAGE IMPROVEMENTS	B-30737	<p>SWPPP NOTES AND DETAILS</p>	<p>SHEET NO. 17</p>
DATE	BY	DESCRIPTION														
PROJECT NAME	PROJECT No.															
S. BAYSHORE LN/ FAIRVIEW ST (EAST & WEST) ROADWAY & DRAINAGE IMPROVEMENTS	B-30737															

SIGNING & PAVMENT MARKING NOTES:

1. ALL SIGNING AND PAVEMENT MARKINGS INSTALLED AS PART OF THESE PLANS SHALL CONFORM TO THE LATEST EDITION OF THE FEDERAL HIGHWAY ADMINISTRATION (FHWA) MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS, AND THE 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 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 FINAL STRIPING SHALL BE THERMOPLASTIC.
4. EXISTING PAVEMENT MARKINGS AFFECTED BY ROADWAY IMPROVEMENTS SHALL BE REPLACED.



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



REVISIONS	
DATE	DESCRIPTION



8550 N.W. 33RD STREET • SUITE 202
DORAL, FLORIDA 33122
PH (305) 551-4608 • FAX (305) 551-8977
WWW.ADAENG.NET • EB # 00003212
WADDIE RUIZ, P.E.
P.E. LICENSE NO. 62714



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

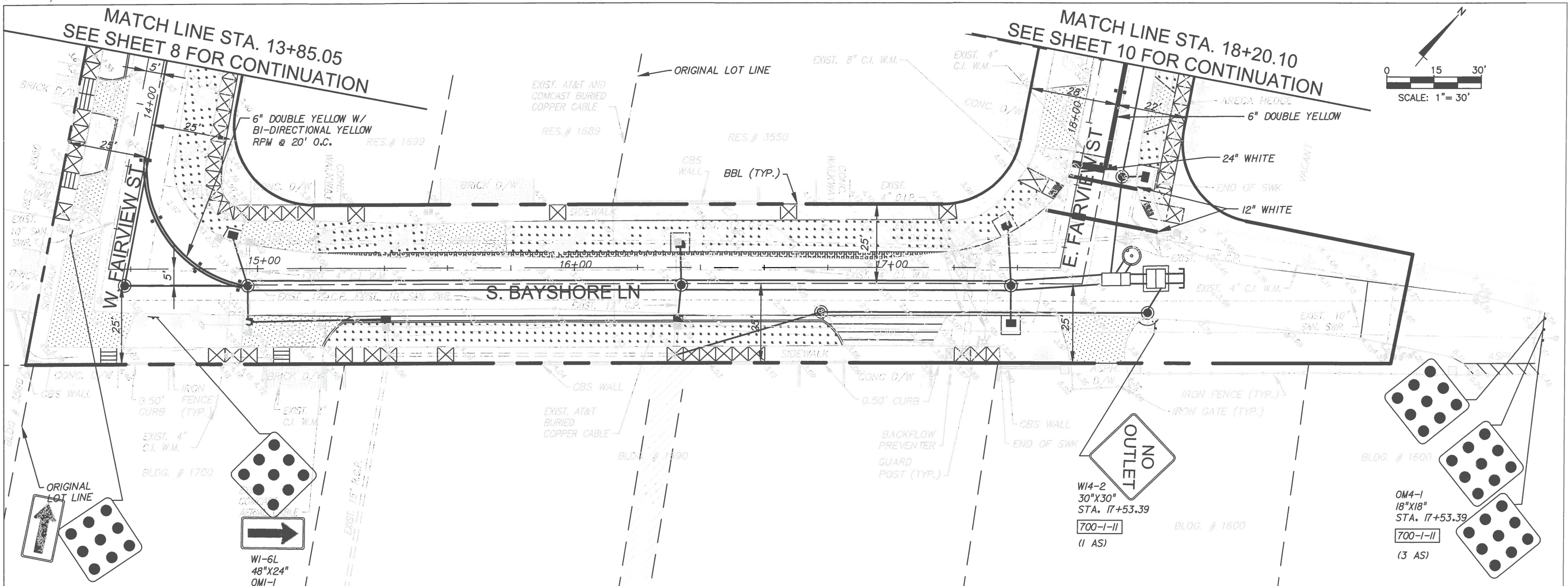
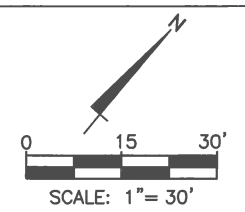
CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM	
PROJECT NAME	PROJECT No.
S. BAYSHORE LN/ FAIRVIEW ST (EAST & WEST) ROADWAY & DRAINAGE IMPROVEMENTS	B-30737

**PAVEMENT MARKING NOTES
& DETAILS**

SHEET NO.	S-1
-----------	-----

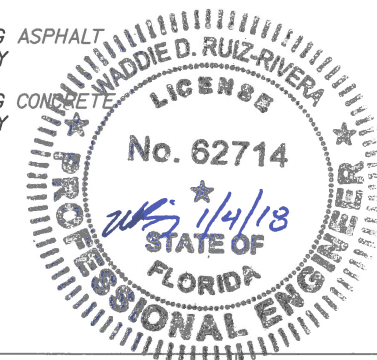
MATCH LINE STA. 13+85.05
SEE SHEET 8 FOR CONTINUATION

MATCH LINE STA. 18+20.10
SEE SHEET 10 FOR CONTINUATION



LEGEND

- | | | | |
|--|----------------------------|--|-------------------------------------|
| | PROPOSED SOD | | 4" CONCRETE SIDEWALK REPLACEMENT |
| | EXISTING ELEVATION | | 6" CONCRETE SIDEWALK/DW REPLACEMENT |
| | MILLING AND RESURFACING | | ASPHALT DRIVEWAY RESTORATION |
| | PROPOSED DETECTIVE WARNING | | EXISTING BRICK DRIVEWAY |
| | PROPOSED PAVEMENT WIDENING | | EXISTING ASPHALT DRIVEWAY |
| | BRICK DRIVEWAY RESTORATION | | EXISTING CONCRETE DRIVEWAY |



REVISIONS		
DATE	BY	DESCRIPTION

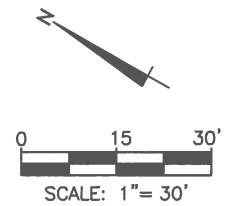
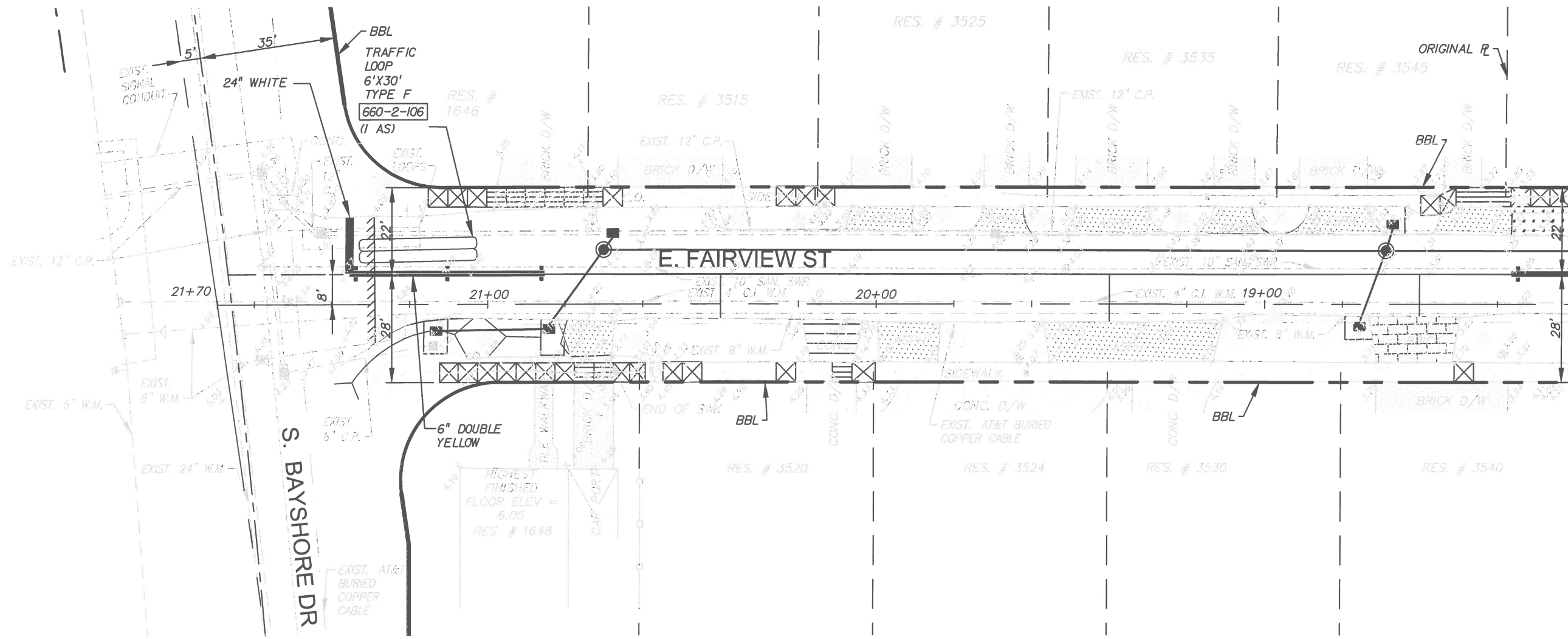
A.D.A.
8550 N.W. 33RD STREET • SUITE 202
DORAL, FLORIDA 33122
PH (305) 551-4608 • FAX (305) 551-8977
WWW.ADAENG.NET • EB # 00003212
WADDIE RUIZ, P.E.
P.E. LICENSE NO. 62714

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: S. BAYSHORE LN/ FAIRVIEW ST (EAST & WEST) ROADWAY & DRAINAGE IMPROVEMENTS
PROJECT No.: B-30737













PAVEMENT MARKING PLAN

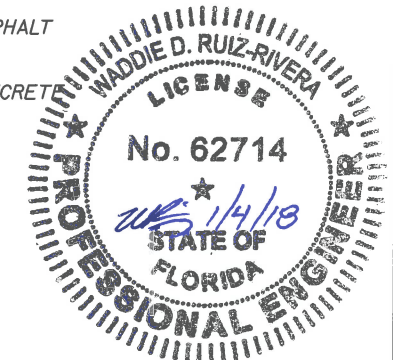
SHEET NO.
S-3




MATCH LINE STA. 18+20.10
SEE SHEET 9 FOR CONTINUATION

LEGEND


- | | |
|--|---|
|  PROPOSED SOD |  4" CONCRETE SIDEWALK REPLACEMENT |
|  EXISTING ELEVATION |  6" CONCRETE SIDEWALK/DW REPLACEMENT |
|  MILLING AND RESURFACING |  ASPHALT DRIVEWAY RESTORATION |
|  PROPOSED DETECTIVE WARNING |  EXISTING BRICK DRIVEWAY |
|  PROPOSED PAVEMENT WIDENING |  EXISTING ASPHALT DRIVEWAY |
|  BRICK DRIVEWAY RESTORATION |  EXISTING CONCRETE DRIVEWAY |



REVISIONS		
DATE	BY	DESCRIPTION



8550 N.W. 33RD STREET • SUITE 202
DORAL, FLORIDA 33122
PH (305) 551-4608 • FAX (305) 551-8977
WWW.ADAENG.NET • EB # 00003212
WADDIE RUIZ, P.E.
P.E. LICENSE NO. 62714



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.
S. BAYSHORE LN/ FAIRVIEW ST (EAST & WEST) ROADWAY & DRAINAGE IMPROVEMENTS	B-30737

PAVEMENT MARKING PLAN

SHEET NO.
S-4