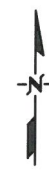
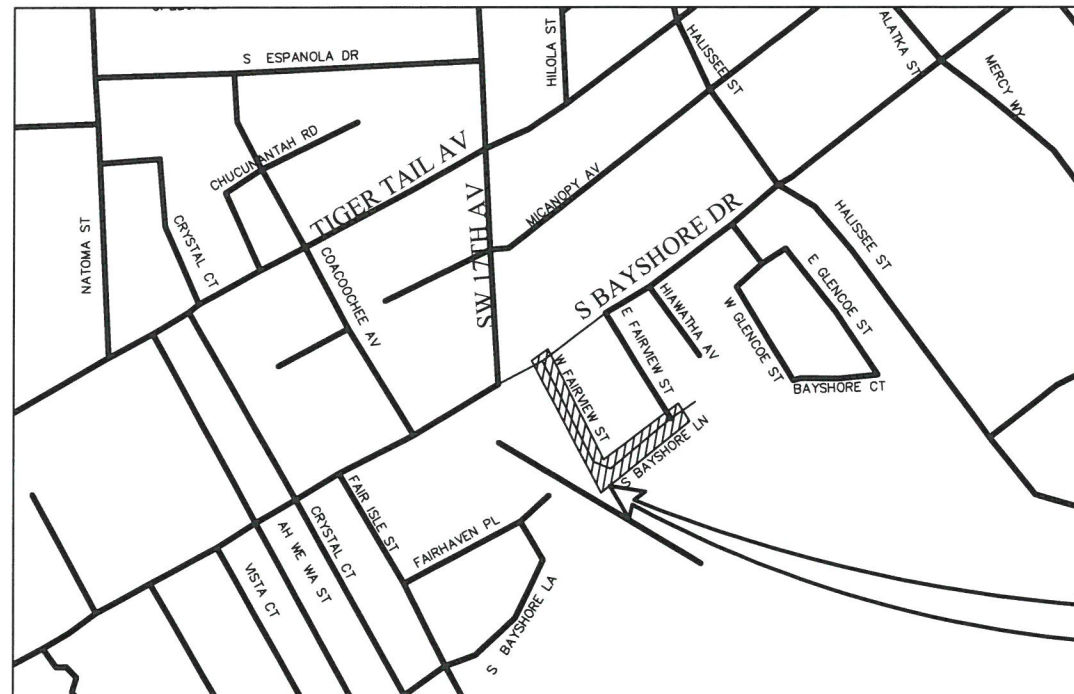


**MIAMI-DADE WATER AND SEWER DEPARTMENT**  
**UTILITY PIPELINE ENGINEERING & CONSTRUCTION DIVISION**  
 3071 S.W. 38th AVENUE MIAMI, FLORIDA 33146-1520

**FURNISH & INSTALL 8-INCH D.I. WATER MAIN ALONG**  
**W. FAIRVIEW ST. FROM S BAYSHORE DR. TO S. BAYSHORE LN.**  
 PCTS NO. 14705 ER NO. W017005  
 CITY OF MIAMI J.P.A. NO. B-30737



SHEET INDEX	
P-1	COVER
P-2	GENERAL NOTES
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P-6	TOPOGRAPHIC SURVEY
P-7	PLAN AND PROFILE
P-8	PLAN AND PROFILE
P-9	PLAN AND PROFILE
P-10	PLAN AND PROFILE

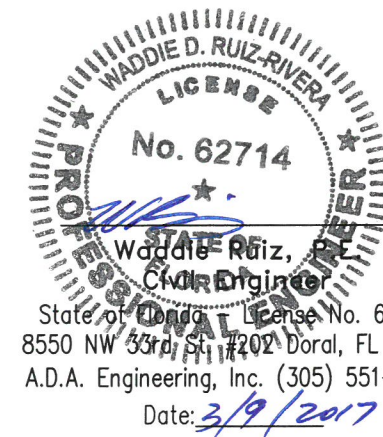


**CITY OF MIAMI**  
**CAPITAL IMPROVEMENTS PROGRAM**

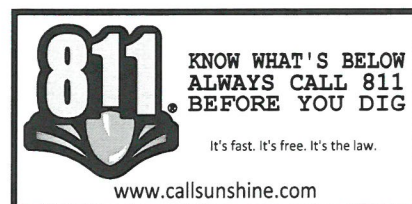
444 S.W. 2ND AVENUE, 8TH FLOOR  
 MIAMI, FLORIDA 33130  
 (305) 416-1213 FAX (305) 416-1253

**PROJECT LOCATION**

**LOCATION PLAN**  
 CITY OF MIAMI  
 A PORTION OF SEC. 14 - TWP. 54 S. - RGE. 41 E.  
 N.T.S.



Waddie Ruiz,  
 Civil Engineer  
 State of Florida License No. 62714  
 8550 NW 53rd St, #202 Doral, FL 33122  
 A.D.A. Engineering, Inc. (305) 551-4608  
 Date: 3/9/2017



CITY OF MIAMI PROJECT MANAGER: ORLANDO MISAS  
 M-D WASD PROJECT MANAGER: JOSE A. DIAZ

DWG. HISTORY	DATE	BY	REV No.	DATE	DESCRIPTION	BY
REVIEW 100%	1/24/2017	A.A.				
REVIEW 90%	11/23/2016	A.A.				
REVIEW 60%	8/19/2016	V.G.				
REVIEW 30%		V.G.				
APPROVED BY		APPROVED BY		PROJECT No.: B-30737		
V.F.C.		C.B.		M.G.		PCTS No.: 14705
CHIEF ENGINEER		SECTION HEAD		DESIGN MGR.		
DRAWN: D.W.		DATE: 3/8/2017		SHEET		P-1 of 10
FILE NAME: P-1.DWG				DWG. No.		W-21845-B

F:\Projects\CCCC\City of Miami\Contract\CB\_Mex\_Civ\_Eng\14705\14705\_Water\14705\_Water.dwg

**GENERAL NOTES**

- THE FOLLOWING UTILITY COMPANIES SHOULD BE NOTIFIED 48 HOURS IN ADVANCE OF EXCAVATION IN AREA:
  - FPL
  - AT&T/DISTRIBUTION
  - MDC-PUBLIC WORKS DEPT.
  - COMCAST
  - FPL FIBERNET
- ALL ELEVATIONS REFER TO CITY OF MIAMI
- VALVES AT INTERSECTIONS, BRANCH MAINS OR STOP OUTS SHALL BE RESTRAINED TO THE ADJACENT FITTING UNLESS OTHERWISE NOTED.
- CUTTING AND PLUGGING OF EXISTING MAINS SHALL BE ACCOMPLISHED BY MECHANICALLY RESTRAINING THE PLUG OR CAP. SUFFICIENT LENGTH OF PIPE SHALL BE PROVIDED TO INSURE THE STABILITY OF THE INSTALLATION.
- STATIONING SHOWN IS ALONG THE BASELINE OF SURVEY. GRADING SHOWN IS ALONG THE PROPOSED PIPE ALIGNMENT.
- EXACT LOCATIONS OF SERVICES TO BE DETERMINED IN THE FIELD.
- FOR REQUIREMENTS FOR MECHANICAL THRUST RESTRAINT, SEE STANDARD DETAIL GS 2.0
- THERE MAY BE OTHER EXISTING UTILITIES IN THE AREA WHICH ARE NOT SHOWN ON THE PLANS, DUE TO FAILURE OF THESE UTILITIES TO RESPOND TO OUR REQUEST FOR INFORMATION.
- IF EVIDENCE OF POTENTIAL CONTAMINATION IS DETECTED DURING EXCAVATION, STOP EXCAVATION WORK AND NOTIFY WASH HAZARDOUS MATERIALS MANAGEMENT SECTION AT (786) 552-8400 AND THE CONSTRUCTION CONTRACTS MANAGEMENT DIVISION AT (786) 268-5191. EVIDENCE OF POTENTIAL CONTAMINATION MAY INCLUDE ANY OF THE FOLLOWING: 1. ODOR 2. SOLID WASTE DEBRIS 3. SHEEN ON THE GROUNDWATER 4. STAINED OR SATURATED SOIL (SOIL THAT CONTAINS PRODUCT THAT DRAINS WHEN IT IS HANDLED OR CREATES STREAKS ON EXCAVATION TOOLS) OR 5. FREE FLOATING PRODUCT ON THE GROUNDWATER (OIL, DIESEL, GASOLINE, ETC.). MATERIAL THAT HAS ODOR, IS STAINED OR IS SATURATED MUST BE SEGREGATED ON AN IMPERMEABLE SURFACE FOR APPROPRIATE FUTURE DISPOSAL.
- ALL PIPE AND FITTINGS INSTALLED UNDER THIS PROJECT MUST BE COLOR CODED WITH BLUE PAINT AS STATED IN THE FLORIDA ADMINISTRATIVE CODE, SUBPARAGRAPH 62-555.320(21)(B)3 AND AS REQUIRED BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION. IF PAINT IS APPLIED DURING INSTALLATION OF THE PIPE, THE PAINT SHALL BE APPLIED IN A CONTINUOUS LINE THAT RUNS PARALLEL TO THE AXIS OF THE PIPE AND THAT IS LOCATED ON THE TOP OF THE PIPE. FOR PIPES WITH AN INTERNAL DIAMETER OF 24-INCHES OR GREATER, PAINT SHALL BE APPLIED IN CONTINUOUS LINES ALONG EACH SIDE OF THE PIPE AS WELL AS ALONG THE TOP OF THE PIPE.
- USE CAUTION WHEN EXCAVATING AROUND UTILITIES PER SPECIFICATION SECTION 6.00.3
- PAVEMENT RESTORATION TO BE DONE IN ACCORDANCE WITH CITY OF MIAMI PUBLIC WORKS DEPARTMENT.
- THE ENGINEER-OF-RECORD IS IN RESPONSIBLE CHARGE FOR THE DESIGN PART OF THIS PROJECT ONLY. THE DEPARTMENT, THROUGH THE CONSTRUCTION CONTRACTS MANAGEMENT DIVISION, WILL ASSIGN A FLORIDA LICENSED PROFESSIONAL ENGINEER TO TAKE RESPONSIBLE CHARGE OF INSPECTING THE CONSTRUCTION OF THIS PROJECT AND TO DETERMINE, IN GENERAL, IF THE CONSTRUCTION PROCEEDS IN COMPLIANCE WITH THE CONSTRUCTION PERMITS AND TO SUBMIT COMPLETE RECORD DRAWINGS AND CERTIFICATION OF CONSTRUCTION COMPLETION TO THE PERMITTING AGENCIES, AND TO OBTAIN WRITTEN APPROVAL OR CLEARANCE BEFORE PLACING THE MAINS IN SERVICE.
- LOCATION OF EXISTING FACILITIES AS SHOWN ON CONSTRUCTION DRAWINGS ARE FROM AVAILABLE RECORDS. THE ENGINEER ASSUMES NO RESPONSIBILITY OF THE FACILITIES SHOWN OR NOT SHOWN. CONTRACTOR IS TO FIELD VERIFY THE ELEVATION, TYPE OF PIPE AND LOCATION OF EXISTING FACILITIES PRIOR TO CONSTRUCTION. IF AN EXISTING FACILITY IS FOUND TO BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION UPON EXCAVATION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER/ENGINEER-OF-RECORD THROUGH THE ASSIGNED MDWASD CONSTRUCTION PROJECT MANAGER SO THAT APPROPRIATE MEASURES CAN BE TAKEN TO RESOLVE SAID CONFLICT. CONTRACTOR TO NOTIFY SUNSHINE STATE ONE CALL OF FLORIDA, INC. BY CALLING 811 AT LEAST 48 HOURS PRIOR TO EXCAVATING.
- MILLING AND RESURFACING PAVEMENT RESTORATION WILL BE AS SHOWN ON PLANS.
- IN AREAS WHERE POLLUTED GROUND WATER WILL OR MAY BE DRAWN INTO THE DEWATERING SYSTEM AND THE MDWASD HAS GRANTED PERMISSION TO INSTALL THE SYSTEM COMPONENTS VIA THE "ALTERNATE METHOD OF CONSTRUCTION", I.E. IN THE WET, AND THE CONTRACTOR ELECTS TO PERFORM DEWATERING AS PART OF THE WORK, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE TO PROVIDE RELATED PROFESSIONAL SERVICES, PREPARE APPLICATION DOCUMENTS, SUBMIT AND OBTAIN ANY AND ALL REQUIRED DEWATERING/CONTAMINATION PERMIT APPROVALS (INCLUDING ANY ANCILLARY PERMITS THAT MAY BE REQUIRED, I.E. FROM R.E.R. WATER CONTROL OR POLLUTION CONTROL) PRIOR TO COMMENCING THE WORK AND AT NO ADDITIONAL CONTRACT TIME OR COST TO THE DEPARTMENT.
- THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTATION AND MAINTENANCE OF EROSION CONTROL MEASURES CONTAINED WITHIN THE CONTRACT SPECIFICATIONS OR AS REQUIRED BY THE MUNICIPALITY OR ANY OTHER REGULATORY AUTHORITY. THE CONTRACTOR SHALL ALSO PROVIDE ANY ADDITIONAL EROSION CONTROL MEASURES (E.G. HYDROSEEDING MULCHING OF STRAW, SAND BAGGING, DIVERSION DITCHES, ETC) DICTATED BY FIELD CONDITIONS TO PREVENT EROSION OR THE INTRUSION OF DIRT, MUD, OR DEBRIS INTO EXISTING PUBLIC STREETS, WATERWAYS, OR ONTO ADJACENT PROPERTIES DURING ANY PHASE OF CONSTRUCTION OPERATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION NPDES GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES PERMIT (GCP) AND A NOTICE OF INTENT (NOI) TO USE SAID GENERIC PERMIT AS PROVIDED IN SUBSECTION 62-621.300(4), F.A.C. PURSUANT TO THE STATE'S FEDERALLY APPROVED NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM STORMWATER REGULATORY PROGRAM (NPDES). THE CONTRACTOR SHALL BE FULLY RESPONSIBLE TO PROVIDE RELATED PROFESSIONAL SERVICES, PREPARE APPLICATION DOCUMENTS AND OBTAIN ALL REQUIRED APPROVALS PRIOR TO COMMENCEMENT OF THE WORK AND AT NO ADDITIONAL CONTRACT TIME OR COST TO THE DEPARTMENT.
- PROJECT SPECIFICATIONS SHALL CONFORM TO THE MD-WASD DESIGN AND CONSTRUCTION STANDARD SPECIFICATIONS AND DETAILS.

**THE FOLLOWING ARE REQUIREMENTS PER DEPARTMENT OF HEALTH**

**WATER MAIN HORIZONTAL SEPARATIONS**

SEPARATIONS SHALL BE MEASURED OUTSIDE EDGE TO OUTSIDE EDGE.

BETWEEN WATER MAINS AND, STORM SEWERS, STORMWATER FORCE MAINS, OR RECLAIMED WATER LINES, SHALL BE 3 FT. MINIMUM.

BETWEEN WATER MAINS AND VACUUM TYPE SEWER PREFERABLY 10 FT. AND AT LEAST 3 FT. MINIMUM.

GRAVITY OR PRESSURE SANITARY SEWERS, WASTEWATER FORCE MAINS OR RECLAIMED WATER PREFERABLY 10 FT. AND AT LEAST 6 FT.\*

\*GRAVITY SEWER ONLY MAY BE REDUCED TO 3 FT. WHERE BOTTOM OF WATER MAIN IS AT LEAST 6 INCHES ABOVE TOP OF SEWER.

10 FT. TO ANY PART OF ON-SITE SEWER TREATMENT OR DISPOSAL SYSTEM.

**WATER MAIN VERTICAL SEPARATIONS**

SEPARATIONS BETWEEN WATER MAINS AND GRAVITY SEWER, VACUUM TYPE SEWER OR STORM SEWERS, TO BE PREFERABLY 12 INCHES OR AT LEAST 6 INCHES ABOVE OR AT LEAST 12 INCHES BELOW\*.

PRESSURE SANITARY SEWER, WASTEWATER OR STORM WATER FORCE MAIN, OR RECLAIMED WATER, AT LEAST 12 INCHES ABOVE OR BELOW.\*

\* CENTER 1-FULL LENGTH OF WATER MAIN PIPE AT CROSSINGS; ALTERNATIVELY ARRANGE PIPES SO JOINTS ARE AT LEAST 3 FEET FROM JOINTS IN VACUUM, STORM OR STORM FORCE MAINS, AT LEAST 6 FEET FROM JOINTS IN GRAVITY OR PRESSURE SEWERS, WASTEWATER FORCE MAINS OR RECLAIMED WATER.

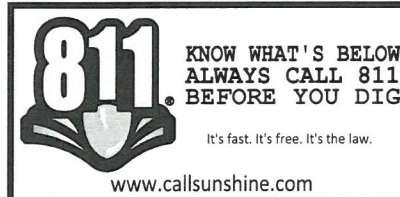
NOTE: IN ALL CASES, INCLUDING EXCEPTIONS, REFER TO F.A.C. 62-555.314

**MIAMI-DADE WATER AND SEWER DEPARTMENT DESIGN AND CONSTRUCTION STANDARD DETAILS**

FOR	SEE DETAIL	SHEET
TYPICAL TIE-ROD DETAILS	GS 1.0	1 OF 1
WATER AND GRAVITY SEWER MAIN CROSSINGS	GS 1.5	1 OF 1
TYPICAL TRENCH BACKFILL FOR D.I. WATER AND FORCE MAINS	GS 1.9	1 OF 1
TYPICAL GATE VALVE SETTING	WS 1.0	1 OF 1
AIR RELEASE VALVE	WS 1.60	1 OF 1
SINGLE METER BOX INSTALLATION	WS 2.10	1, 2 & 3 OF 3
NO 2 CL. VALVE BOX AND LID	WS 3.10	1 OF 1
TYPICAL CONNECTION TO EXIST MAIN	WS 4.12	1 & 2 OF 2
TYPICAL FIRE HYDRANT INSTALLATION WITH GUARD POST	WS 4.50	1 OF 2
NO. 3 C.I. VALVE BOX AND LID	WS 3.11	1 & 2 OF 2
PAVEMENT RESTORATION TYPE M	A 1.0	1 OF 1
PAVEMENT RESTORATION TYPE V	A 1.1	1 OF 1
POLYETHYLENE ENCASEMENT FOR DUCTILE IRON PIPE	A 9.0	1 OF 1
ABBREVIATIONS FOR DEPARTMENT'S PROJECTS	A 10.0	1, 2 & 3 OF 3
STANDARD SYMBOLS	GS 3.0	1 & 2 OF 2
DUAL METER BOX INSTALLATION	WS 2.12	1 & 2 OF 2

**NOTES:**

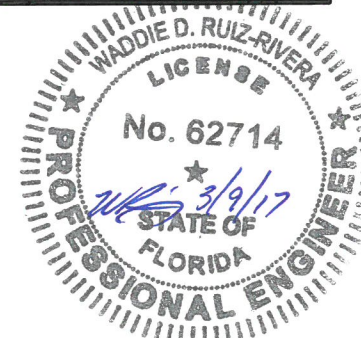
- THE ABOVE LIST SHALL NOT BE CONSIDERED AS NECESSARILY COMPLETE, NOR SHALL THE STANDARD DETAILS WHICH MAY BE INCLUDED ELSEWHERE HEREIN BE CONSIDERED AS FORMING A COMPLETE LISTING OF ALL STANDARD DETAILS WHICH MAY APPLY TO THIS PROJECT.
- ALL STANDARD DETAILS ARE INCORPORATED IN THE ABOVE LIST BY REFERENCE AND ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE MDWASD STANDARD DETAILS.



S.S.O.C.O.F. DESIGN TICKET  
No. 169601557-000  
DATE: 05/20/2016

**LEGEND**

- W.M.--- Exist. Water Main
- S.S.--- Exist. Storm Sewer
- San.--- Exist. Sanitary Sewer
- F.M.--- Exist. Force Main
- G.--- Exist. Gas
- CL--- Center line
- B.L--- Base line
- CL&B.L--- Center line and Base line
- M--- Monument line
- S--- Section line
- R/W--- Right of way line
- P.L--- Property line
- TEL--- Exist. Telephone
- U/G--- Exist. Electric underground
- CATV--- Exist. Cable underground
- TRAF--- Exist. Traffic loop
- REQ'D. Required
- O/S Offset
- D.I. Ductile Iron
- REST. J. Restrained Joint
- F.V.O. Flushing Valve Outlet
- B.J. Break Joint
- M.J. Mechanical Joint
- W.M. Water Main
- 3 Exist. Guy Wire
- ☀ Exist. Street Light Pole
- Exist. Utility Conc. Pole
- Exist. Utility Pole
- ☀ Exist. Flood Light
- ☀ Exist. Traffic Light Pole
- ☀ Exist. Pedestrian Crossing Light
- Exist. Electric Box
- Exist. Street Light Box
- Exist. Telephone Box
- Exist. Traffic Signal Box
- Exist. Cable TV Box
- Exist. C.B.
- ⊙ Exist. Electric MH
- ⊙ Exist. Storm MH
- ⊙ Exist. Sanitary MH
- ⊙ Exist. Telephone MH
- ⊙ Exist. Water MH
- ⊙ Exist. Well
- ⊙ Exist. Sprinkler
- ⊙ Exist. Fire Hydrant
- ⊙ Exist. Valve
- ⊙ Core Boring
- ⊙ Exist. Sign
- ⊙ Exist. Single Water Meter
- ⊙ Prop. Single Water Meter
- ▨ Limits of Trench Restoration by WASD Contract, Type "M" Only
- ▨ Limits of Trench Restoration by City of Miami Contract
- ▨ Limits of Pavement Restoration by WASD Contract, Type "M" Only
- ▨ Limits of Pavement Restoration by City of Miami Contract



**MIAMI-DADE COUNTY**  
Delivering Excellence Every Day

**WATER AND SEWER DEPARTMENT**  
ENGINEERING DIVISION

3071 SW 38th AVENUE  
MIAMI, FLORIDA 33146-1520  
305-665-7471  
miamidade.gov

**A.D.A.**

8550 N.W. 33rd STREET • SUITE 202  
DORAL, FLORIDA 33122  
PHONE (305) 551-4608  
FAX (305) 551-8977  
WWW.ADAENGINEERING.COM • EB # 00003212

**FURNISH & INSTALL 8-INCH D.I. WATER MAIN ALONG W FAIRVIEW ST. FROM S BAYSHORE DR. TO S BAYSHORE LN. PCTS NO. 14705 ER NO. W017005**

**GENERAL NOTES**

**REVISIONS**

No.	DESCRIPTION	DATE BY

**APPROVALS**

DESIGNED: AA    DRAWN: D.W.

SR. PRG. MGR.: V.F.C.

ENG. REVIEW: C.B.

CONST. REVIEW: M.G.

Waddie Ruiz, P.E.  
Civil Engineer  
State of Florida - License No. 62714  
8550 NW 33rd St. #202 Doral, FL 33122  
A.D.A. Engineering, Inc. (305) 551-4608  
Date: \_\_\_\_\_

PROJECT No.: B-30737

FILE NAME: 02\_NOTES.DWG

DATE: MAR. 8, 17    SCALE: HOR. 1"=20'  
SCALE: VER. 1"=2'

SHEET **P-2 OF 10**

DWG. No. **W-21846-B**



**WATER AND SEWER DEPARTMENT**  
 ENGINEERING DIVISION  
 3071 SW 38th AVENUE  
 MIAMI, FLORIDA 33146-1520  
 305-665-7471  
 miamidade.gov



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 WWW.ADAENG.NET • EB # 00003212

**FURNISH & INSTALL 8-INCH D.I. WATER MAIN ALONG W FAIRVIEW ST. FROM S BAYSHORE DR. TO S BAYSHORE LN. PCTS NO. 14705 ER NO. W017005**

**GENERAL PLANS**

REVISIONS

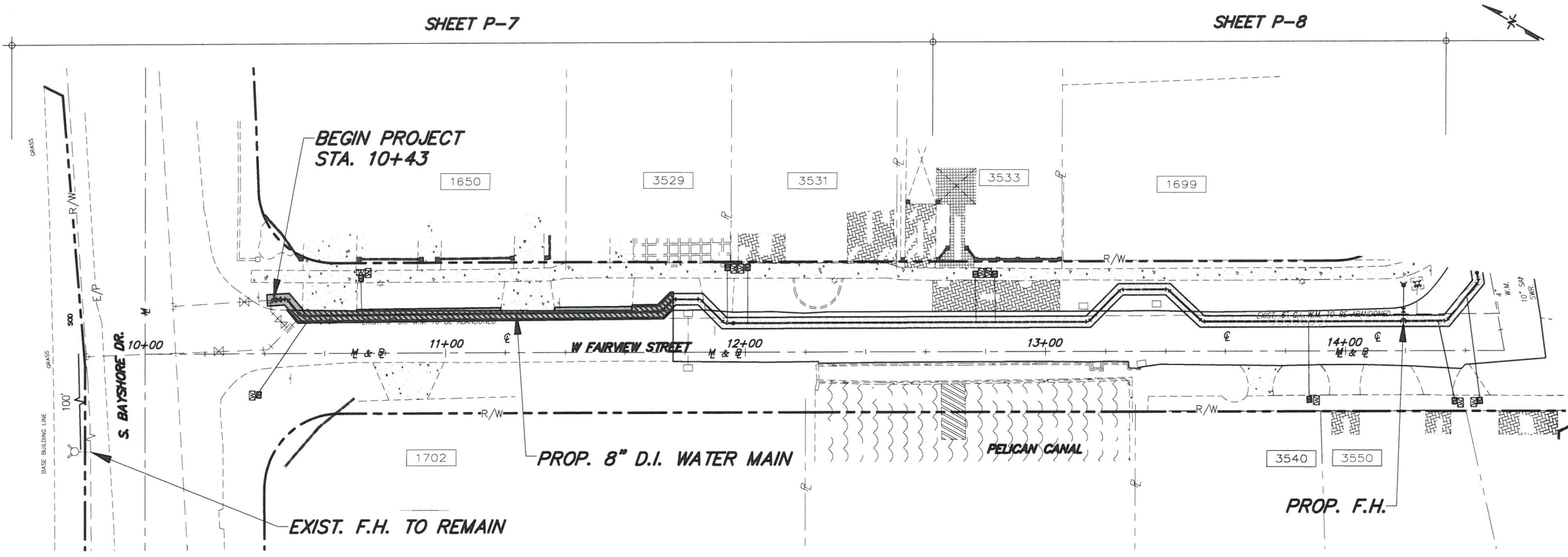
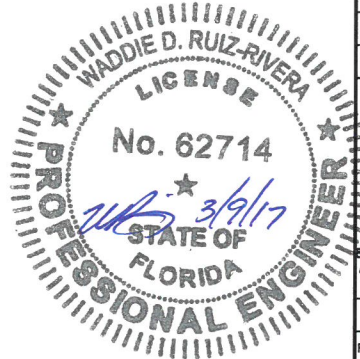
No.	DESCRIPTION	DATE	BY

APPROVALS

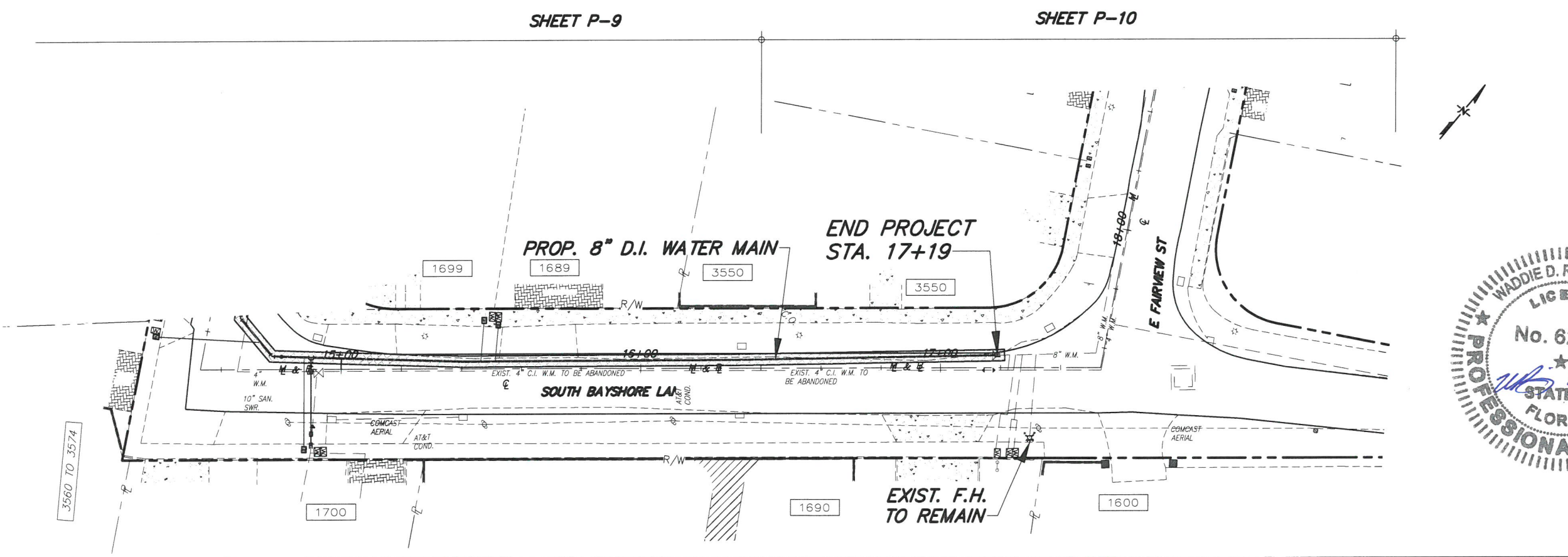
DESIGNED: AA	DRAWN: D.W.
SR. PROG. MGR.: V.F.C.	
ENG. REVIEW: C.B.	
CONST. REVIEW: M.G.	

Waddie Ruiz, P.E.  
 Civil Engineer  
 State of Florida - License No. 62714  
 8550 NW 33rd St. #202 Doral, FL 33122  
 A.D.A. Engineering, Inc. (305) 551-4808  
 Date: \_\_\_\_\_

PROJECT No. : B-30737  
 FILE NAME: 03\_GENPLANS - WLDWG  
 DATE: MAR. 8, 17 SCALE: HOR. 1"=40'  
 SHEET **P-3 OF 10**  
 DWG. No. **W-21847-B**



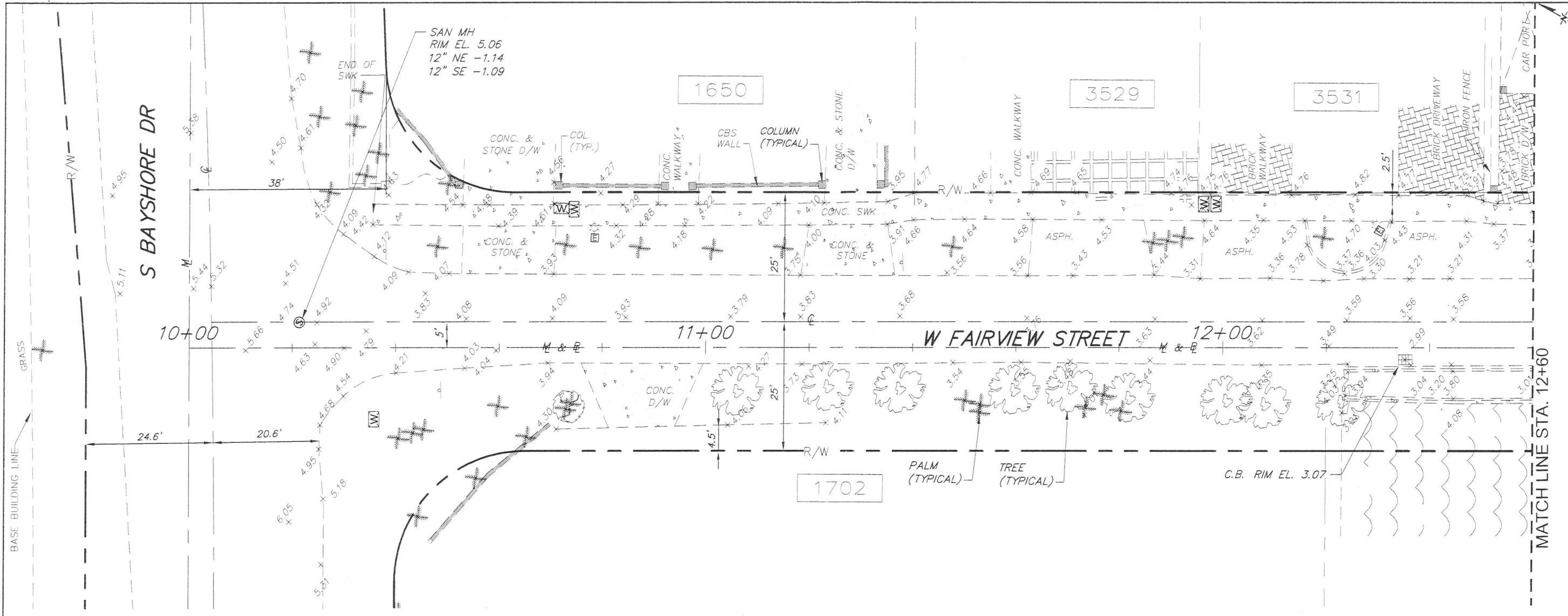
MATCH LINE STA. 14+53



MATCH LINE STA. 14+53

**FURNISH & INSTALL 8-INCH D.I. WATER MAIN ALONG W FAIRVIEW ST. FROM S BAYSHORE DR. TO S BAYSHORE LN. PCTS NO. 14705 ER NO. W017005**

**TOPOGRAPHIC SURVEY**



**MIAMI-DADE COUNTY REFERENCE BENCHMARK USED**

BENCH MARK	DESCRIPTION	ELEV.
T-801	PK NAIL AND ALUMINUM WASHER IN CONCRETE PAD OF TELEPHONE BOX - S BAYSHORE DR - 48' NW OF NORTHBOUND EOP - HIAWATHA AVE - 16' NE OF CENTERLINE	5.41
T-800	PK NAIL AND BRASS WASHER IN EXPOSED ROCK OUTCROP - S BAYSHORE DRIVE - 12' N'WESTERLY OF EDGE OF PAVEMENT - EMATHALA ST - 60' S'WESTERLY OF C/L	6.82

BM ELEVATION IS IN NGVD 1929, 0.26 WAS ADDED TO BM ELEVATION TO CONVERT TO CITY OF MIAMI VERTICAL DATUM

**SURVEYOR'S NOTES:**

- ELEVATIONS WHEN SHOWN REFER TO CITY OF MIAMI VERTICAL DATUM
- NO ATTEMPT WAS MADE TO LOCATE FOOTINGS/FOUNDATIONS UNLESS OTHERWISE NOTED.
- THE LANDS SHOWN HEREON HAVE NOT BEEN ABSTRACTED IN REGARDS TO MATTERS OF INTEREST BY OTHER PARTIES, SUCH AS EASEMENTS, RIGHTS OF WAYS, RESERVATIONS, ETC. ONLY PLATTED EASEMENTS AND RIGHT OF WAYS ARE SHOWN (USING VARIOUS PLATS AND CITY ATLAS SHEETS).
- THIS SURVEY WAS PREPARED FOR AND CERTIFIED TO THE PARTY(IES) INDICATED HEREON AND IS NOT TRANSFERABLE OR ASSIGNABLE
- ALL BOUNDARY LIMIT INDICATORS SET ARE STAMPED LB# 7104.
- THE BOUNDARY LIMITS ESTABLISHED ON THIS SURVEY ARE BASED ON THE DESCRIPTION PROVIDED BY CLIENT OR ITS REPRESENTATIVE
- ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
- FENCE OWNERSHIP NOT DETERMINED
- COORDINATES AND BEARINGS ARE BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM FOR FLORIDA EAST ZONE NAD (NORTH AMERICAN DATUM) 1983 ADJUSTMENT, AS OBTAINED ON SITE USING GPS EQUIPMENT (R.T.K. REAL TIME KINEMATICS) WITH A HORIZONTAL POSITIONAL ACCURACY OF 0.05'. THE CENTERLINE OF SOUTH BAYSHORE LANE BEARS OF N50°20'55"E.
- DOCUMENTS USED: FAIRVIEW PLAT (P.B. 4-PG. 176 MDCR), PAWLEY DEVELOPMENT CORPORATION PLAT (P.B. 119-PG.54 MDCR), CITY OF MIAMI ATLAS SHEET 44N AND 44J.
- TYPE OF SURVEY: SPECIFIC PURPOSE & TOPOGRAPHIC SURVEY

**SURVEYOR'S CERTIFICATE:**

I HEREBY CERTIFY THAT THIS SPECIFIC PURPOSE & TOPOGRAPHIC SURVEY ON SHEET P-4, P-5 AND P-6 OF THIS SET IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AS RECENTLY SURVEYED AND DRAWN UNDER MY DIRECTION AND MEETS THE STANDARDS OF PRACTICE SET FORTH BY THE FLORIDA STATE BOARD OF SURVEYORS AND MAPPERS IN CHAPTER 5J-17 FLORIDA ADMINISTRATIVE CODE PURSUANT TO SECTION 472.027 FLORIDA STATUTE.

THIS SURVEY IS NOT COMPLETE WITHOUT SHEETS P-5 AND P-6 OF THIS SET.  
 FIELD WORK DATE: 08/05/2016

AUTHENTIC COPIES OF THIS SURVEY SHALL BEAR THE ORIGINAL SIGNATURE AND RAISED SEAL OF THE ATTESTING REGISTERED SURVEYOR AND MAPPER

SEAL

JUAN A. SUAREZ  
 PROFESSIONAL SURVEYOR & MAPPER  
 STATE OF FLORIDA, LIC. # 6220

- SURVEY LEGEND**
- |   |                                      |                              |
|---|--------------------------------------|------------------------------|
| DIV. - DIVISION                         | I.P. - IRON PIPE                     | RP - REFERENCE POINT         |
| B.O.S. - BOTTOM OF STRUCTURE            | O/S - OFFSET                         | TBM - TEMPORARY BENCH MARK   |
| C.B. - CATCH BASIN                      | LT. - LEFT                           | H.I. - HEIGHT OF INSTRUMENT  |
| CBS - CONCRETE BLOCK AND STUCCO         | RT. - RIGHT                          | ELEV. - ELEVATION            |
| D/W - DRIVEWAY                          | PSM - PROFESSIONAL SURVEYOR & MAPPER | TP - TURNING POINT           |
| ASPH. - ASPHALT                         | N&D - NAIL & DISC                    | COR - CORNER                 |
| SAN - SANITARY                          | RCD - RECORD                         | ASPH. - ASPHALT              |
| W.M. - WATER MAIN                       | MEAS. - MEASURE                      | DIA. - DIAMETER              |
| ST. - STREET                            | D.H. - DRILL HOLE                    | BK/SWK. - BACK OF SIDEWALK   |
| PL. - PLACE                             | SWK. - SIDEWALK                      | EP - EDGE OF PAVEMENT        |
| CT. - COURT                             | P.C. - POINT OF CURVE                | W.V. - WATER VALVE           |
| AVE. - AVENUE                           | P.T. - POINT OF TANGENCY             | P.I. - POINT OF INTERSECTION |
| NGVD - NATIONAL GEODETIC VERTICAL DATUM | G.W. Anch. - GUY WIRE ANCHOR         | FIRE HYD. - FIRE HYDRANT     |
| REF - REFERENCE                         | U.E. - UTILITY EASEMENT              | W/METER - WATER METER        |
| WP - WATER PRELIMINARY                  | SAN MH - SANITARY MANHOLE            | UTIL. - UTILITY              |
| P. - PAGE                               | P. - PROPERTY LINE                   | TRAF. SIG. - TRAFFIC SIGNAL  |
| PP - PAGES                              | R/W - RIGHT OF WAY                   | C&G - CURB AND GUTTER        |
| DATA PT. - DATA POINT                   | R - RADIUS                           | CONT'D. - CONTINUED          |
| STA. - STATION                          | Δ - DELTA ANGLE                      | CH. LINK - CHAIN LINK        |
| CL - CENTER LINE                        | L - ARC LENGTH                       | TELE. - TELEPHONE            |
| SL - SECTION LINE                       | T - TANGENT                          | MH - MANHOLE                 |
| M - MONUMENT LINE                       | CONC. - CONCRETE                     | EQUIP. - EQUIPMENT           |
| BL - BASE LINE                          | DRV. - DRIVE                         | SPK. - SPRINKLER             |
| FD - FOUND                              | WASD - WATER & SEWER DEPARTMENT      | S.S. - STORM SEWER           |
| ⊙ = SAN. SEWER MANHOLE                  | + 0.00 = EXISTING ELEVATION          | W = WATER METER              |
| ⊕ = DRAINAGE MANHOLE                    | ☼ = LIGHT POLE                       | E = ELECTRIC BOX             |
- LINES AND SYMBOL LEGEND ON SHEET P-2

**REVISIONS**

No.	DESCRIPTION	DATE BY

**APPROVALS**

DESIGNED: A.A. DRAWN: D.W.

SR. PROC. MGR.: V.F.C.

ENG. REVIEW: C.B.

CONST. REVIEW: M.G.

JUAN A. SUAREZ  
 SURVEYOR AND MAPPER  
 State of Florida License No. 6220  
 15190 SW 136th St, #20  
 MIAMI, FL 33196  
 (305) 596-1799  
 Date: 08/17/16

PROJECT No.: B-30737

FILE NAME: 04-06\_TOPO - WLD.DWG

DATE: AUG. 06, 16 SCALE: HOR. 1"=20'

SHEET **P-4 OF 10**

DWG. No. W-21848-B

MATCH LINE STA. 12+60

MATCH LINE STA. 14+26

MATCH LINE STA. 16+71

**SURVEYOR'S CERTIFICATE:**  
 I HEREBY CERTIFY THAT THIS SPECIFIC PURPOSE & TOPOGRAPHIC SURVEY ON SHEET P-4, P-5 AND P-6 OF THIS SET IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AS RECENTLY SURVEYED AND DRAWN UNDER MY DIRECTION AND MEETS THE STANDARDS OF PRACTICE SET FORTH BY THE FLORIDA STATE BOARD OF SURVEYORS AND MAPPERS IN CHAPTER 54-17 FLORIDA ADMINISTRATIVE CODE PURSUANT TO SECTION 472.027 FLORIDA STATUTE.

THIS SURVEY IS NOT COMPLETE WITHOUT SHEETS P-4 AND P-6 OF THIS SET.  
 FIELD WORK DATE: 08/05/2016

AUTHENTIC COPIES OF THIS SURVEY SHALL BEAR THE ORIGINAL SIGNATURE AND RAISED SEAL OF THE ATTESTING REGISTERED SURVEYOR AND MAPPER

*JUAN A. SUAREZ*  
 JUAN A. SUAREZ  
 PROFESSIONAL SURVEYOR & MAPPER  
 STATE OF FLORIDA LIC. # 6220

SEAL

**SURVEYOR'S NOTES:**

- ELEVATIONS WHEN SHOWN REFER TO CITY OF MIAMI VERTICAL DATUM
- NO ATTEMPT WAS MADE TO LOCATE FOOTINGS/FOUNDATIONS UNLESS OTHERWISE NOTED.
- THE LANDS SHOWN HEREON HAVE NOT BEEN ABSTRACTED IN REGARDS TO MATTERS OF INTEREST BY OTHER PARTIES, SUCH AS EASEMENTS, RIGHTS OF WAYS, RESERVATIONS, ETC. ONLY PLATTED EASEMENTS AND RIGHT OF WAYS ARE SHOWN (USING VARIOUS PLATS AND CITY ATLAS SHEETS).
- THIS SURVEY WAS PREPARED FOR AND CERTIFIED TO THE PARTY(IES) INDICATED HEREON AND IS NOT TRANSFERABLE OR ASSIGNABLE
- ALL BOUNDARY LIMIT INDICATORS SET ARE STAMPED LB# 7104.
- THE BOUNDARY LIMITS ESTABLISHED ON THIS SURVEY ARE BASED ON THE DESCRIPTION PROVIDED BY CLIENT OR ITS REPRESENTATIVE
- ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
- FENCE OWNERSHIP NOT DETERMINED
- COORDINATES AND BEARINGS ARE BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM FOR FLORIDA EAST ZONE NAD (NORTH AMERICAN DATUM) 1983 ADJUSTMENT, AS OBTAINED ON SITE USING GPS EQUIPMENT (R.T.K. REAL TIME KINEMATICS) WITH A HORIZONTAL POSITIONAL ACCURACY OF 0.05'. THE CENTERLINE OF SOUTH BAYSHORE LANE BEARS OF N50°20'55"E.
- DOCUMENTS USED: FAIRVIEW PLAT (P.B. 4-PG. 176 MDCR), PAWLEY DEVELOPMENT CORPORATION PLAT (P.B. 119-PG.54 MDCR), CITY OF MIAMI ATLAS SHEET 44N AND 44J.
- TYPE OF SURVEY: SPECIFIC PURPOSE & TOPOGRAPHIC SURVEY
- BASELINE INFORMATION ON WASD FIELD BOOK WP1035 PAGE 74-76

SEE LEGEND ON SHEET P4.  
 SEE MIAMI-DADE COUNTY REFERENCE BENCHMARK USED ON SHEET P-4

**MIAMI-DADE COUNTY**  
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**WATER AND SEWER DEPARTMENT**  
 ENGINEERING DIVISION

3071 SW 38th AVENUE  
 MIAMI, FLORIDA 33146-1520  
 305-665-7471  
 miamidade.gov

**SUAREZ SURVEYING & MAPPING, INC.**  
 15190 SW 136th ST - Suite 20  
 MIAMI, FLORIDA 33196  
 PHONE (305) 596-1799  
 FAX (305) 596-1896  
 WWW.SUAREZSURVEYING.COM

**FURNISH & INSTALL 8-INCH D.I. WATER MAIN ALONG W FAIRVIEW ST. FROM S BAYSHORE DR. TO S BAYSHORE LN. PCTS NO. 14705 ER NO. W017005**

**TOPOGRAPHIC SURVEY**

REVISIONS		
No.	DESCRIPTION	DATE BY

APPROVALS	
DESIGNED: AA	DRAWN: D.W.
SURV. PROC. MGR.: V.F.P.	
ENG. REVIEW: C.B.	
CONST. REVIEW: M.G.	

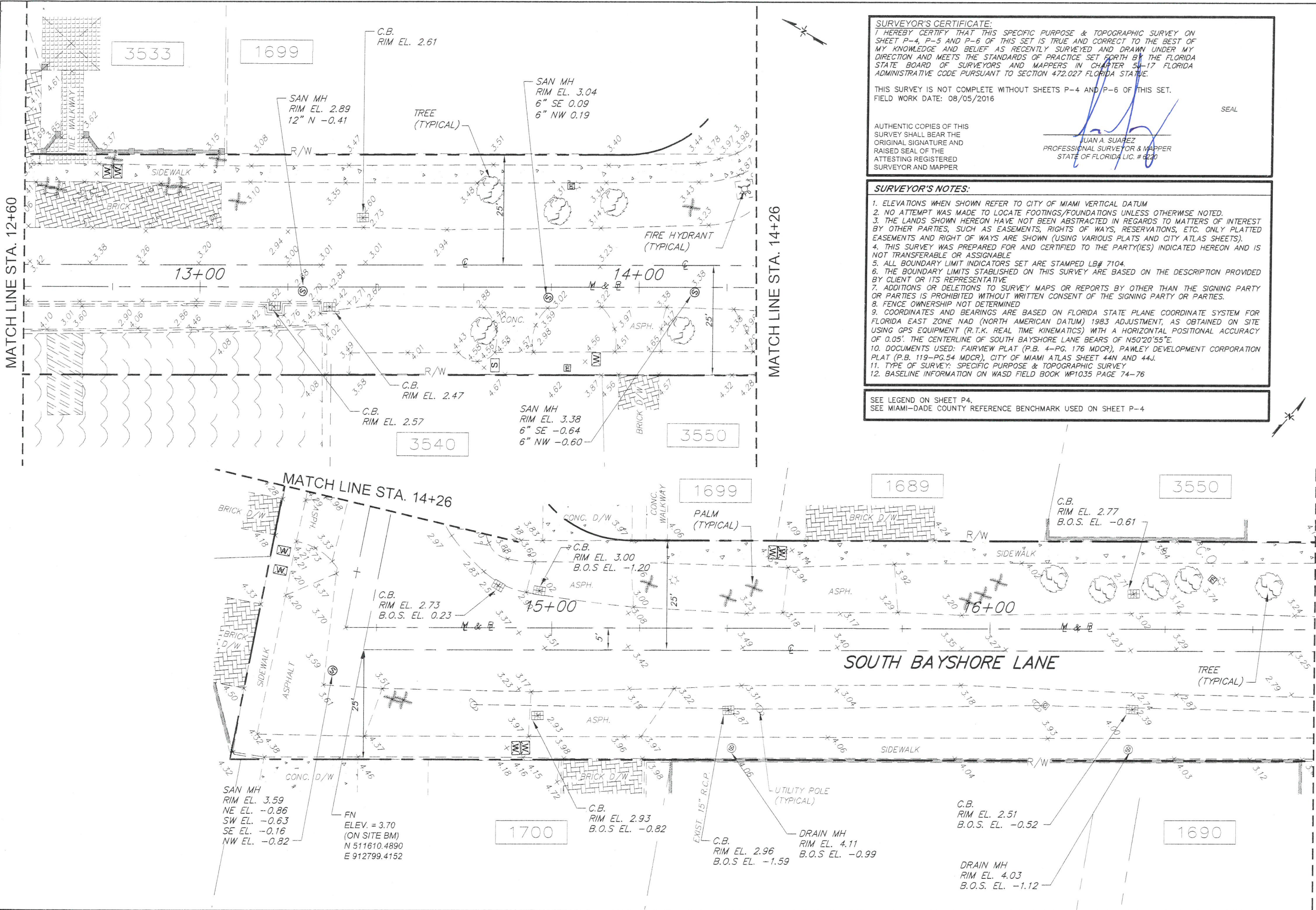
  

*JUAN A. SUAREZ*  
 JUAN A. SUAREZ  
 SURVEYOR AND MAPPER  
 State of Florida License No. 6220  
 15190 SW 136 St. #20  
 MIAMI, FL 33196  
 (305) 596-1799  
 Date: 8/10/16

PROJECT No.: B-30737

FILE NAME: 04-06\_TOPO - WLDWG  
 DATE: AUG 06, 16 SCALE: HOR. 1"=20'

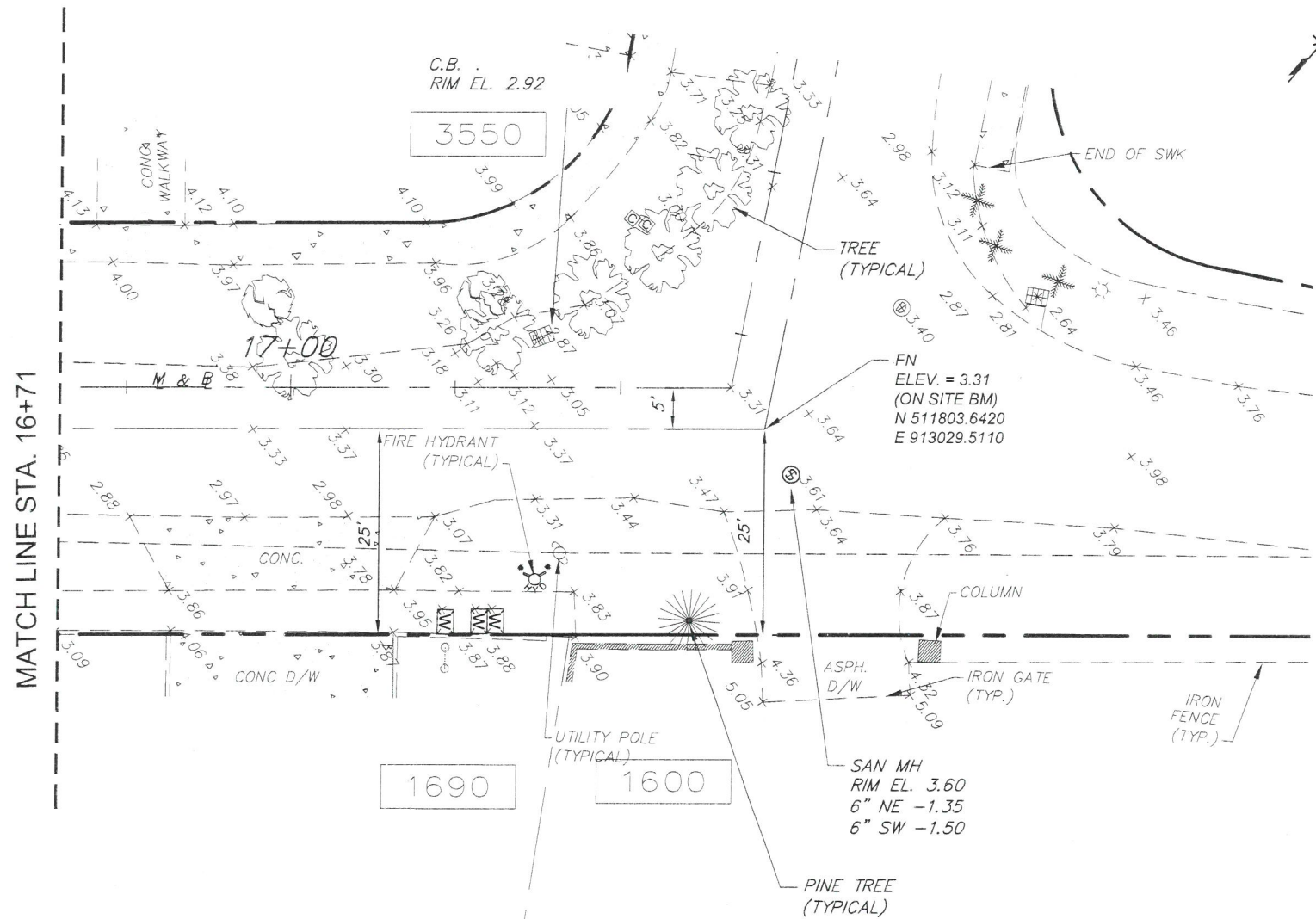
SHEET **P-5 OF 10**  
 DWG. No. W-21849-B





**FURNISH & INSTALL 8-INCH D.I. WATER MAIN ALONG W FAIRVIEW ST. FROM S BAYSHORE DR. TO S BAYSHORE LN. PCTS NO. 14705 ER NO. W017005**

**TOPOGRAPHIC SURVEY**



**MIAMI-DADE COUNTY REFERENCE BENCHMARK USED**

BENCH MARK	DESCRIPTION	ELEV.
T-801	PK NAIL AND ALUMINUM WASHER IN CONCRETE PAD OF TELEPHONE BOX - S BAYSHORE DR - 48' NW OF NORTHBOUND EOP - HIAWATHA AVE - 16' NE OF CENTERLINE	5.41
T-800	PK NAIL AND BRASS WASHER IN EXPOSED ROCK OUTCROP - S BAYSHORE DRIVE - 12' N'WESTERLY OF EDGE OF PAVEMENT - EMATHALA ST - 60' S'WESTERLY OF C/L	6.82

BM ELEVATION IS IN NGVD 1929,  
0.26 WAS ADDED TO BM ELEVATION TO CONVERT TO CITY OF MIAMI VERTICAL DATUM

**SURVEYOR'S NOTES:**

- ELEVATIONS WHEN SHOWN REFER TO CITY OF MIAMI VERTICAL DATUM
- NO ATTEMPT WAS MADE TO LOCATE FOOTINGS/FOUNDATIONS UNLESS OTHERWISE NOTED.
- THE LANDS SHOWN HEREON HAVE NOT BEEN ABSTRACTED IN REGARDS TO MATTERS OF INTEREST BY OTHER PARTIES, SUCH AS EASEMENTS, RIGHTS OF WAYS, RESERVATIONS, ETC. ONLY PLATTED EASEMENTS AND RIGHT OF WAYS ARE SHOWN (USING VARIOUS PLATS AND CITY ATLAS SHEETS).
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- FENCE OWNERSHIP NOT DETERMINED
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- DOCUMENTS USED: FAIRVIEW PLAT (P.B. 4-PG. 176 MDCR), PAWLKY DEVELOPMENT CORPORATION PLAT (P.B. 119-PG.54 MDCR), CITY OF MIAMI ATLAS SHEET 44N AND 44J.
- TYPE OF SURVEY: SPECIFIC PURPOSE & TOPOGRAPHIC SURVEY

SEE LEGEND ON SHEET P4.  
SEE MIAMI-DADE COUNTY REFERENCE BENCHMARK USED ON SHEET P-4

**SURVEYOR'S CERTIFICATE:**

I HEREBY CERTIFY THAT THIS SPECIFIC PURPOSE & TOPOGRAPHIC SURVEY ON SHEET P-4, P-5 AND P-6 OF THIS SET IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AS RECENTLY SURVEYED AND DRAWN UNDER MY DIRECTION AND MEETS THE STANDARDS OF PRACTICE SET FORTH BY THE FLORIDA STATE BOARD OF SURVEYORS AND MAPPERS IN CHAPTER 5J-17 FLORIDA ADMINISTRATIVE CODE PURSUANT TO SECTION 472.027 FLORIDA STATUTE.

THIS SURVEY IS NOT COMPLETE WITHOUT SHEETS P-4 AND P-5 OF THIS SET.  
FIELD WORK DATE: 08/05/2016

AUTHENTIC COPIES OF THIS SURVEY SHALL BEAR THE ORIGINAL SIGNATURE AND RAISED SEAL OF THE ATTESTING REGISTERED SURVEYOR AND MAPPER

SEAL

JUAN A. SUAREZ  
PROFESSIONAL SURVEYOR & MAPPER  
STATE OF FLORIDA L.C. # 6220

**REVISIONS**

No.	DESCRIPTION	DATE	BY

**APPROVALS**

DESIGNED: J.A. DRAWN: D.W.  
SR. PROG. MGR.: V.F.C.  
ENG. REVIEW: C.B.  
CONST. REVIEW: M.G.

JUAN A. SUAREZ  
SURVEYOR AND MAPPER  
State of Florida - License No. 6220  
15190 SW 136th St, #20  
MIAMI, FL 33196  
(305) 596-1799  
Date: 08/11/16

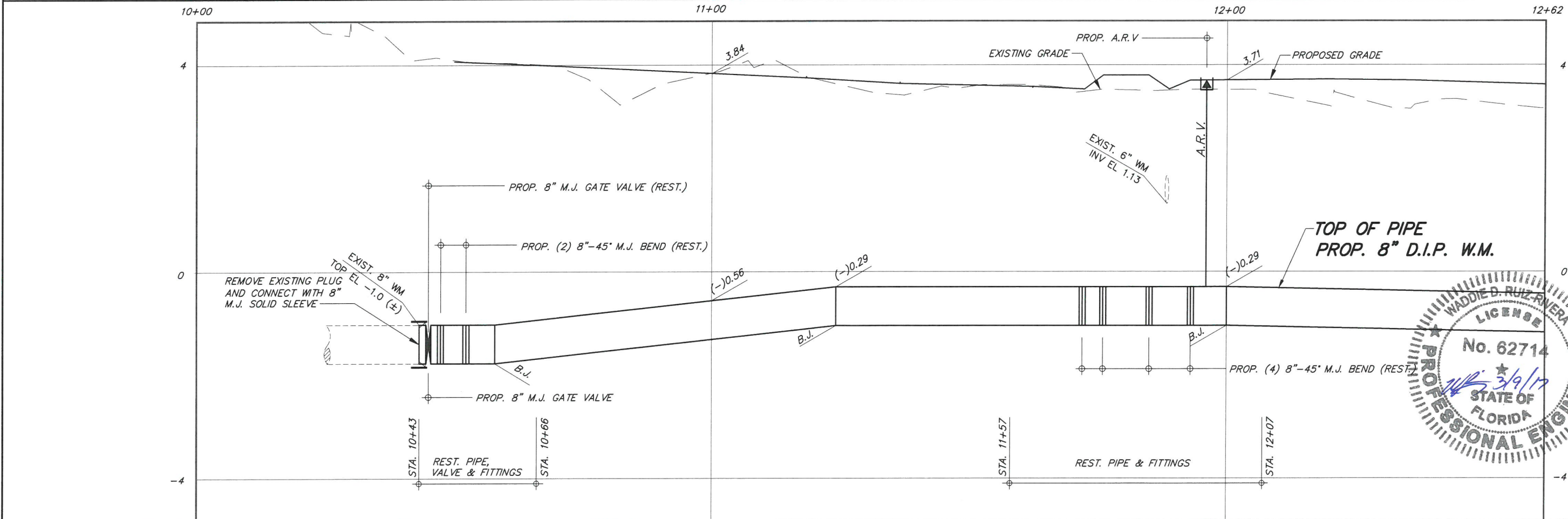
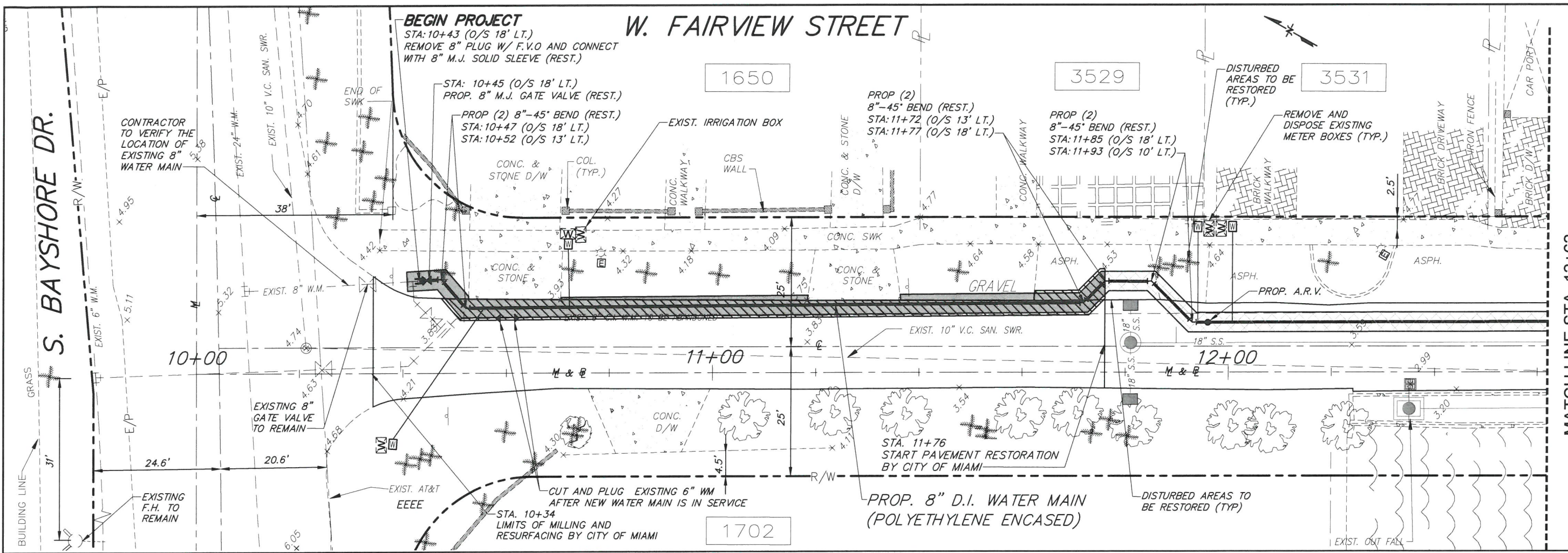
PROJECT No.: B-30737

FILE NAME: 04-06\_TOPO - WALDNG

DATE: AUG. 06, 16 SCALE: HOR. 1"=20'

SHEET **P-6 OF 10**

DWG. No. W-21850-B



**MIAMI-DADE COUNTY**  
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**WATER AND SEWER DEPARTMENT**  
 ENGINEERING DIVISION

3071 SW 38th AVENUE  
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 305-665-7471  
 miamidade.gov

**A.D.A.**

8550 N.W. 33rd STREET • Suite 202  
 DORAL, FLORIDA 33122  
 PHONE (305) 551-4608  
 FAX (305) 551-9977  
 WWW.ADAENR.NET • E# 00003212

**FURNISH & INSTALL 8-INCH D.I. WATER MAIN ALONG W FAIRVIEW ST. FROM S BAYSHORE DR. TO S BAYSHORE LN. PCTS NO. 14705 ER NO. W017005**

**PLAN AND PROFILE**

REVISIONS

No.	DESCRIPTION	DATE BY

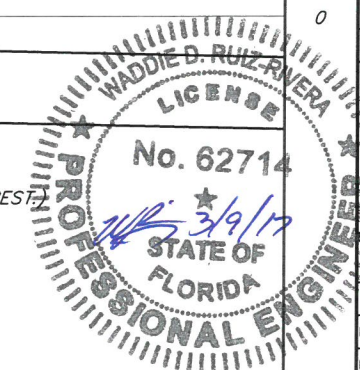
APPROVALS

DESIGNED: AA DRAWN: D.W.

SR. PROG. MGR.: V.F.C.

ENG. REVIEW: C.B.

CONST. REVIEW: M.G.



Waddie Ruiz, P.E.  
 Civil Engineer  
 State of Florida - License No. 62714  
 8550 NW 33rd St. #202 Doral, FL 33122  
 A.D.A. Engineering, Inc. (305) 551-4608  
 Date: \_\_\_\_\_

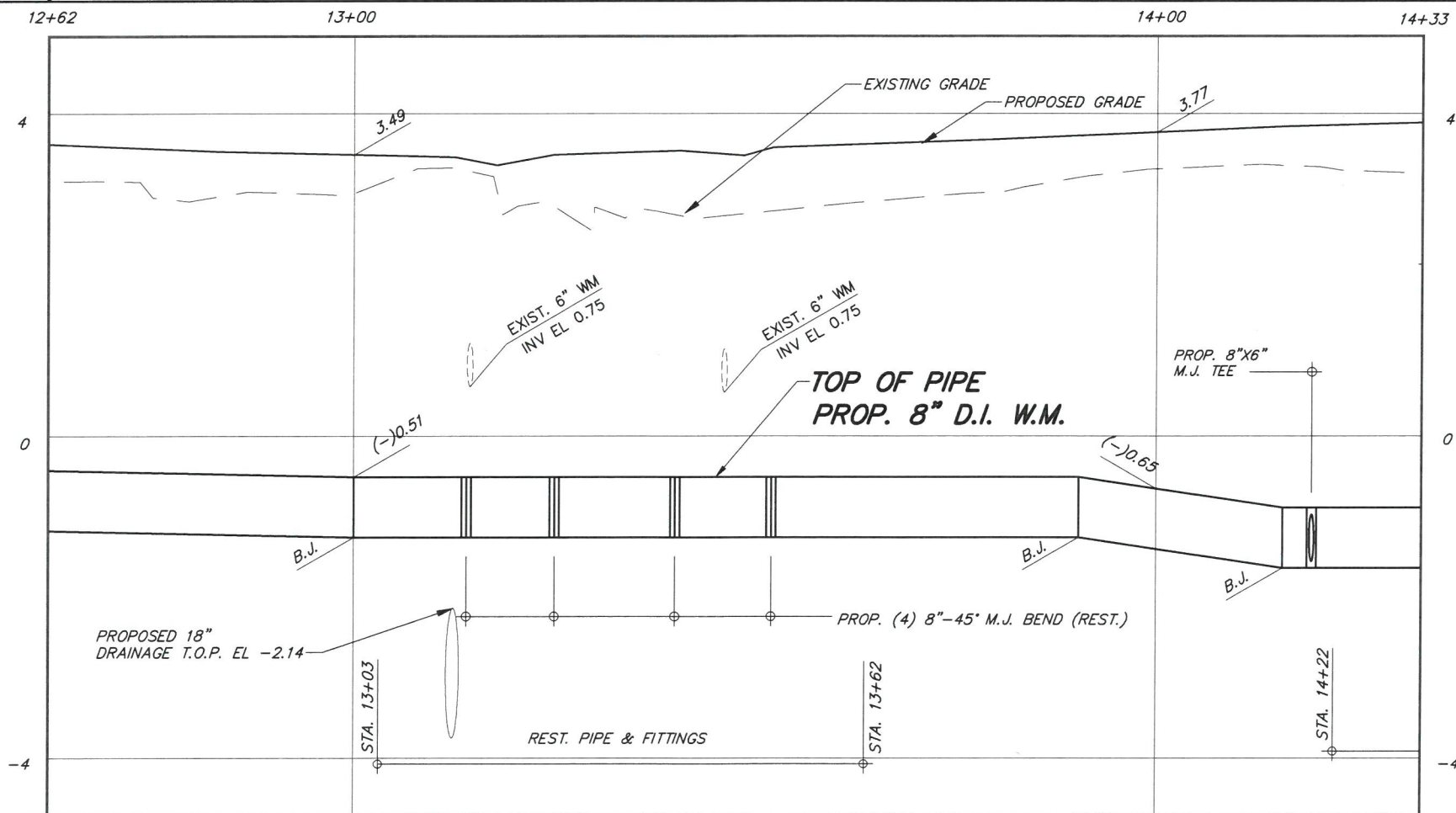
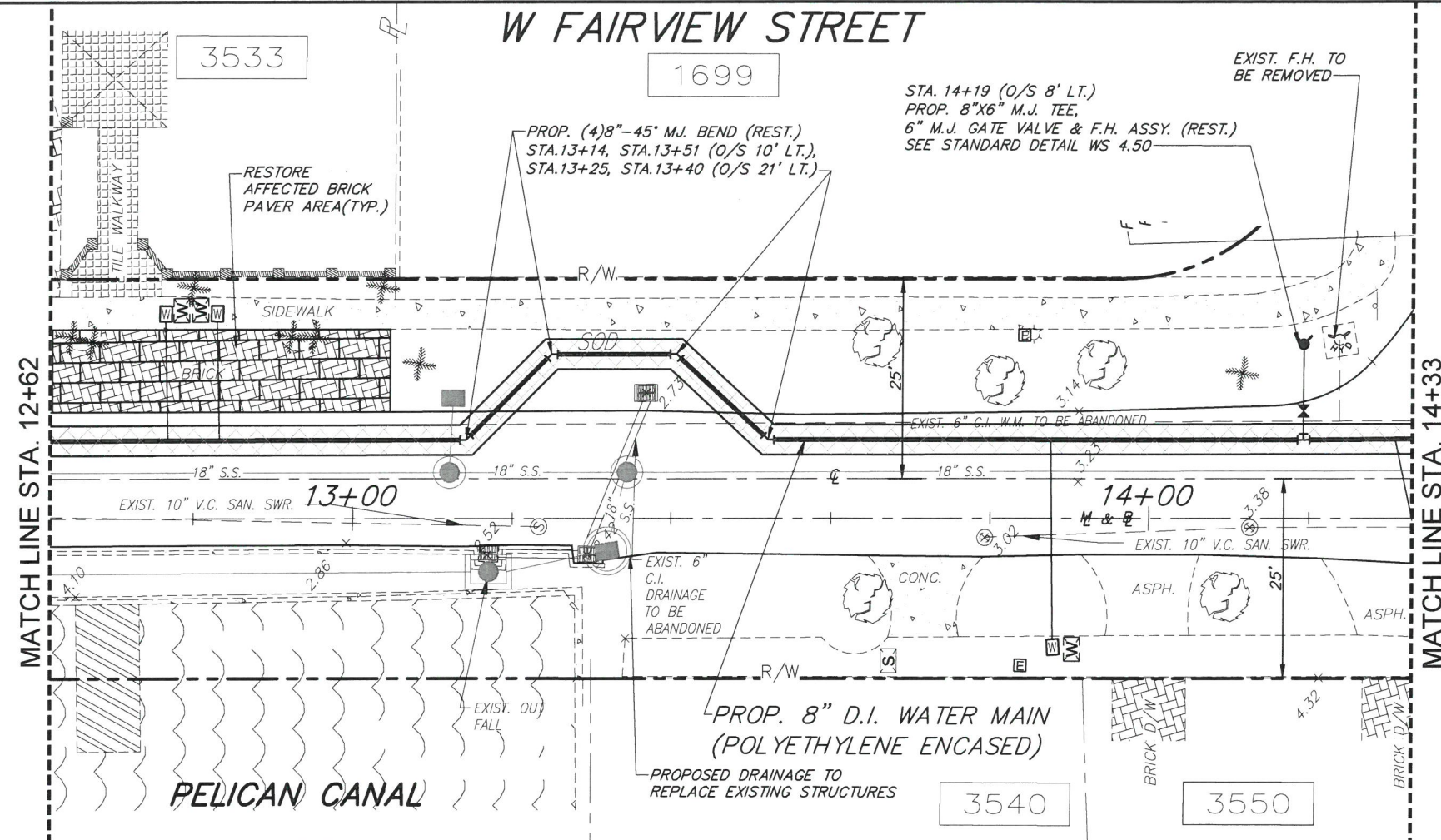
PROJECT No.: B-30737

FILE NAME: 07-10\_PLANS - WMLDWG

DATE: MAR. 8, 17 SCALE: HOR. 1"=20'  
 SCALE: VER. 1"=2'

SHEET **P-7 OF 10**

DWG. No. **W-21851-B**



**MIAMI-DADE COUNTY**  
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**WATER AND SEWER DEPARTMENT**  
 ENGINEERING DIVISION  
 3071 SW 38th AVENUE  
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 WWW.ADAENGINEERING.COM • EB # 00003212

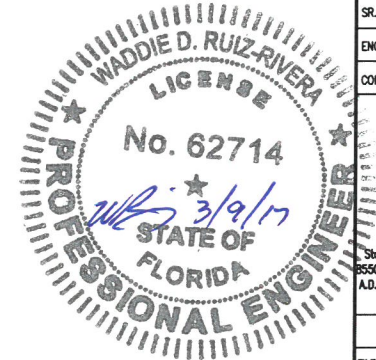
**FURNISH & INSTALL 8-INCH D.I. WATER MAIN ALONG W FAIRVIEW ST. FROM S BAYSHORE DR. TO S BAYSHORE LN. PCTS NO. 14705 ER NO. W017005**  
**PLAN AND PROFILE**

REVISIONS

No.	DESCRIPTION	DATE	BY

APPROVALS

DESIGNED: AA	DRAWN: D.W.
SR. PROG. MGR.: V.F.C.	
ENG. REVIEW: C.B.	
CONST. REVIEW: M.G.	



Waddie Ruiz, P.E.  
 Civil Engineer  
 State of Florida - License No. 62714  
 8550 NW 33rd St. #202 Doral, FL 33122  
 A.D.A. Engineering, Inc. (305) 551-4608  
 Date: \_\_\_\_\_  
 PROJECT No.: B-30737  
 FILE NAME: 07-10\_PLANS - WMDWG  
 DATE: MAR. 8, 17  
 SCALE: HOR. 1"=20'  
 SCALE: VER. 1"=2'  
 SHEET **P-8 OF 10**  
 DWG. No. W-21852-B



**FURNISH & INSTALL 8-INCH D.I. WATER MAIN ALONG W FAIRVIEW ST. FROM S BAYSHORE DR. TO S BAYSHORE LN. PCTS NO. 14705 TO 14700**

**PLAN AND PROFILE**

REVISIONS		
No.	DESCRIPTION	DATE BY

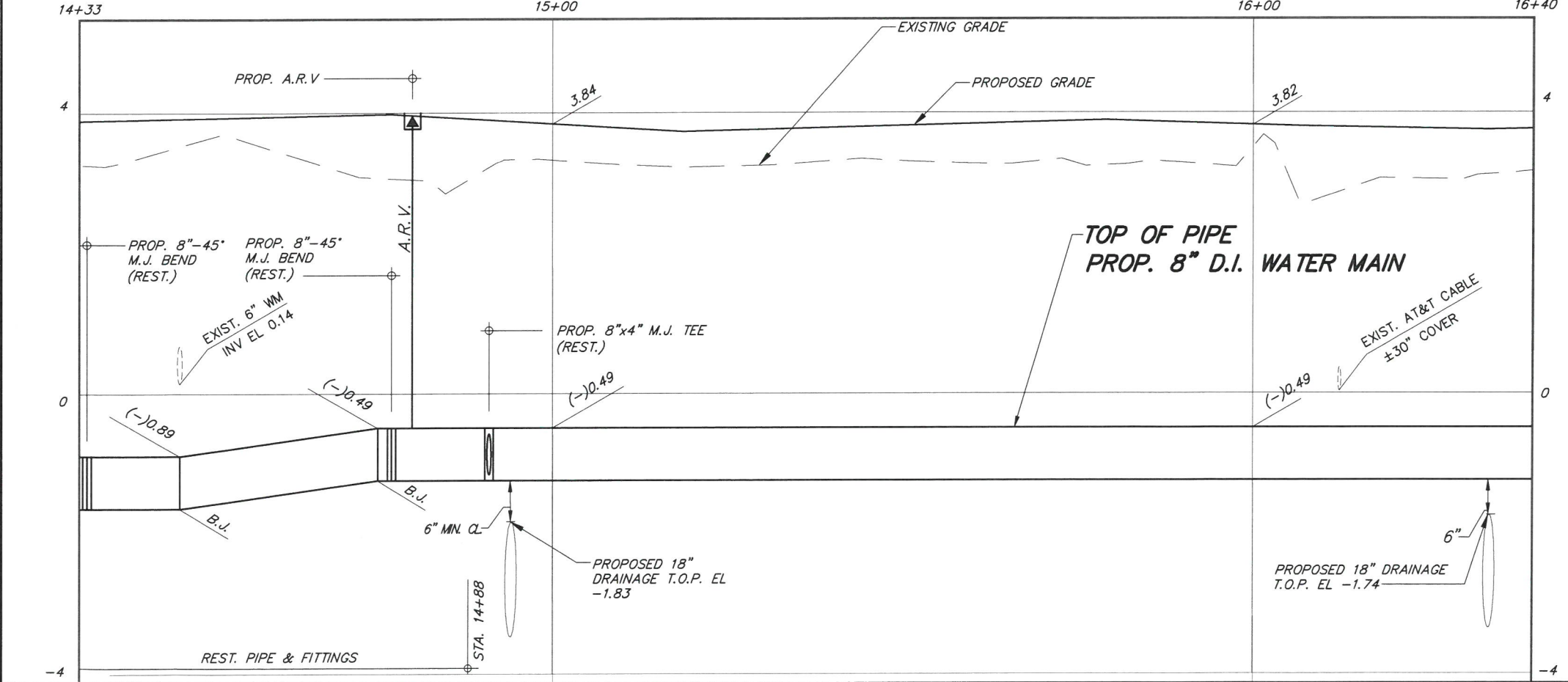
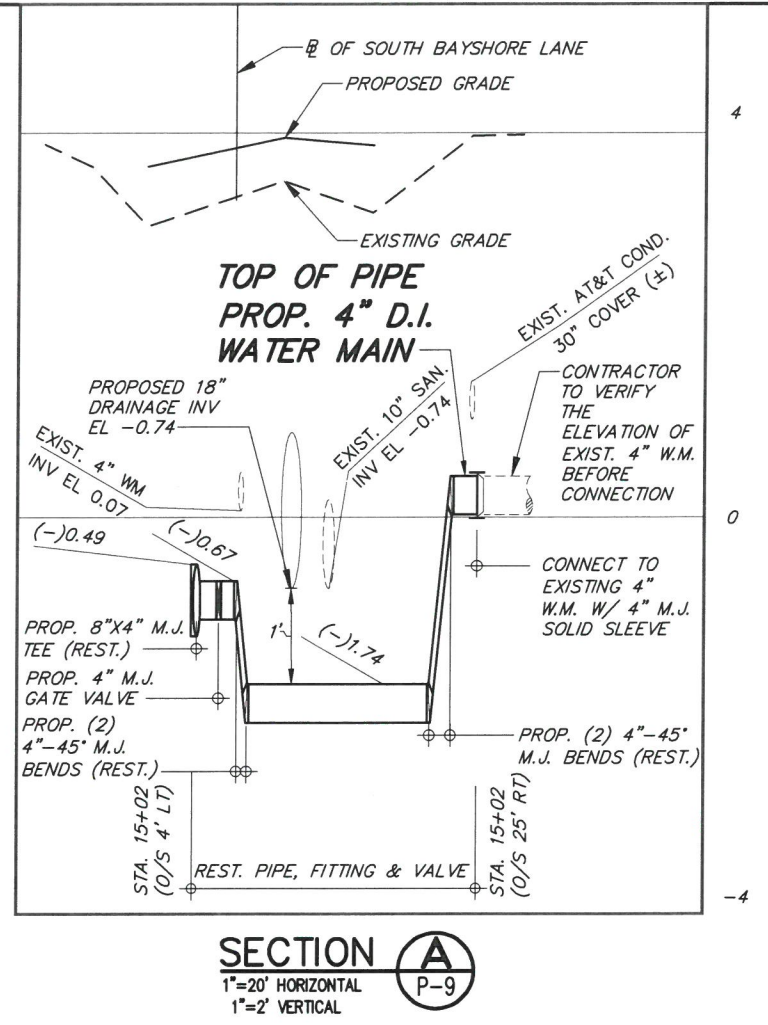
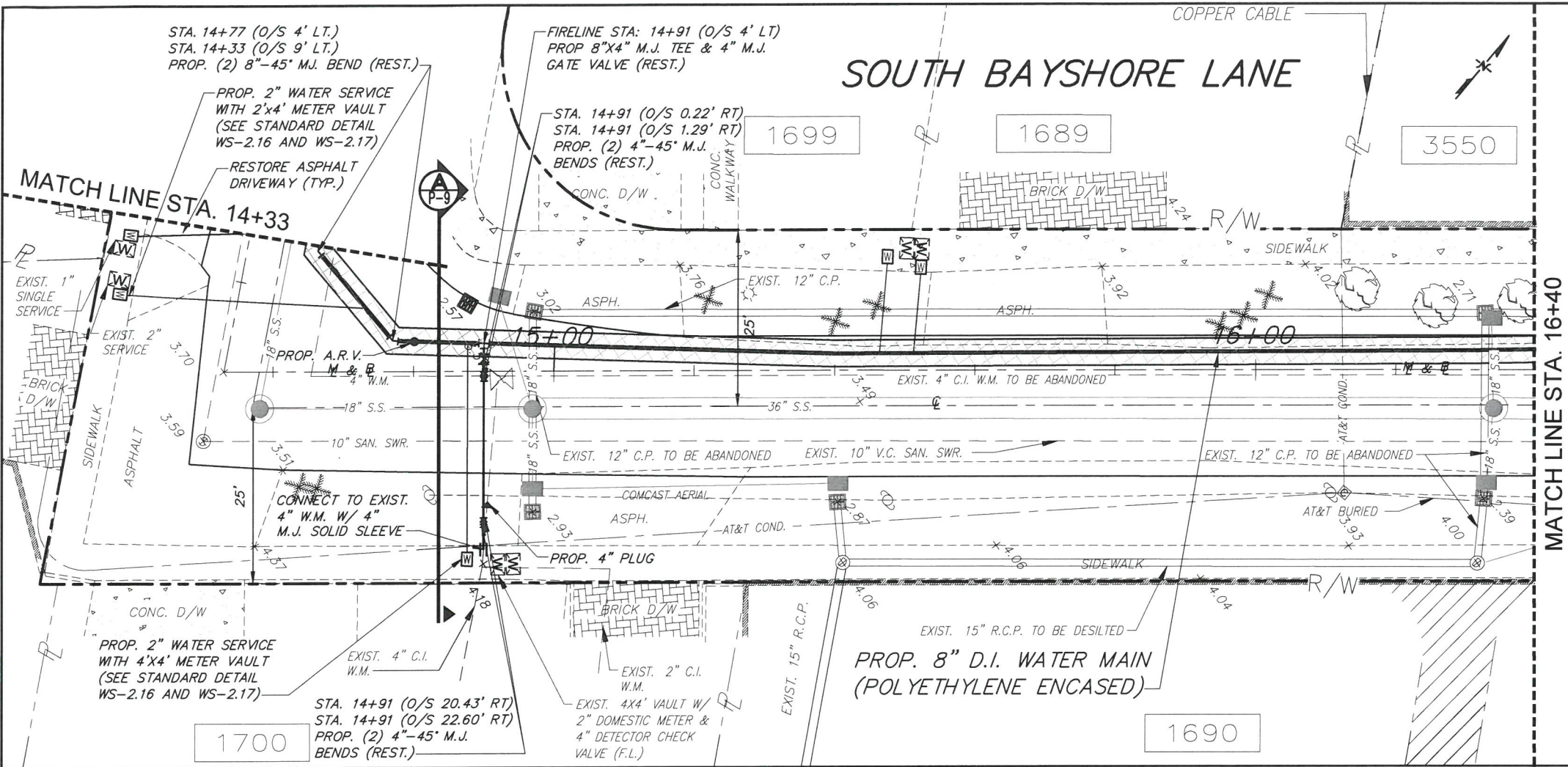
  

APPROVALS	
DESIGNED: AA	DRAWN: D.W.
SR. PROG. MGR: V.F.C.	
ENG. REVIEW: C.B.	
CONST. REVIEW: M.G.	

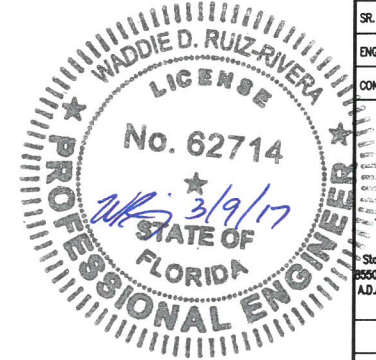
  

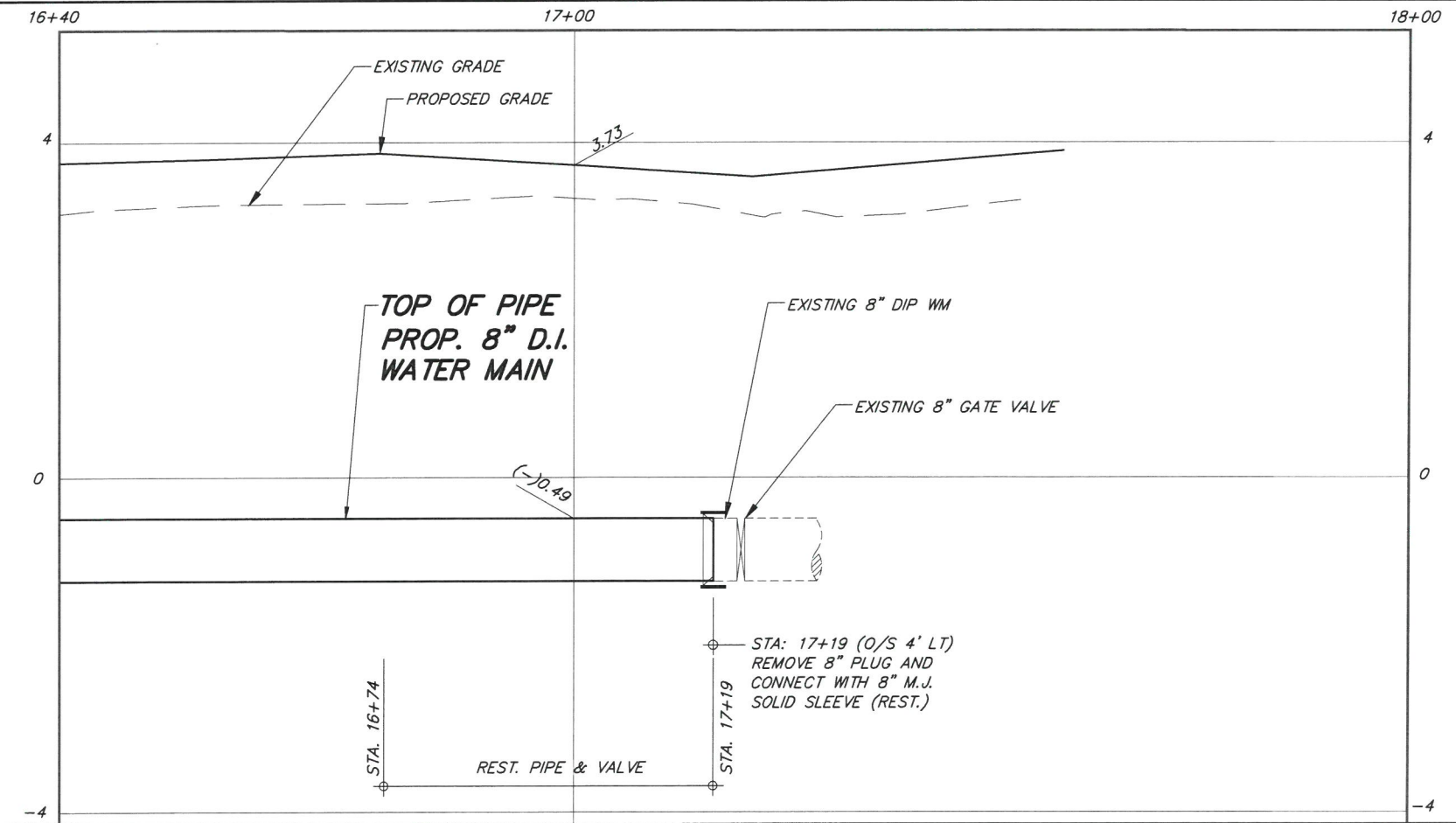
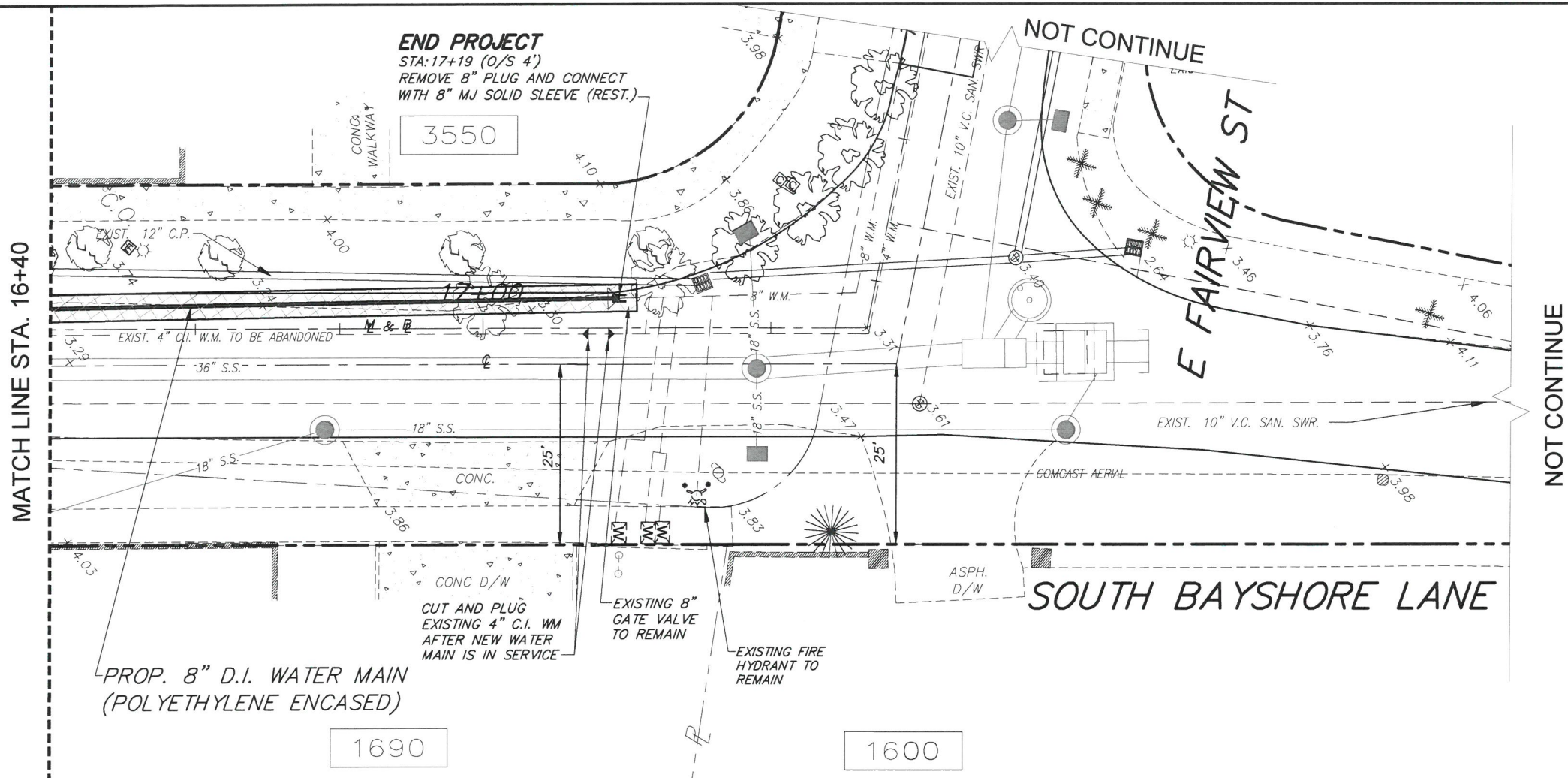
Waddie D. Ruiz-Rivera  
Civil Engineer  
State of Florida - License No. 62714  
8550 NW 33rd St. #202 Doral, FL 33122  
A.D.A. Engineering, Inc. (305) 551-4608  
Date: 3/19/17

PROJECT No.: B-30737  
FILE NAME: 07-10\_PLANS - WILDWIG  
DATE: MAR 8, 17 SCALE: HOR. 1"=20'  
SCALE: VER. 1"=2'  
SHEET **P-9 OF 10**  
DWG. No. W-21853-B



**NOTE:**  
CONTRACTOR TO COORDINATE W/ 1700 PROPERTY OWNER, FIRE DEPARTMENT & MIAMI-DADE WATER AND SEWER DEPARTMENT IN ORDER TO CONNECT TO EXISTING FIRELINE.





**MIAMI-DADE COUNTY**  
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**WATER AND SEWER DEPARTMENT**  
 ENGINEERING DIVISION  
 3071 SW 38th AVENUE  
 MIAMI, FLORIDA 33146-1520  
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 WWW.ADAENG.NET • EB # 00003212

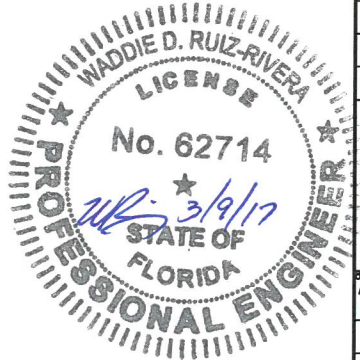
**FURNISH & INSTALL 8-INCH D.I. WATER MAIN ALONG W FAIRVIEW ST. FROM S BAYSHORE DR. TO S BAYSHORE LN. PCTS NO. 14705 ER NO. W017005**  
**PLAN AND PROFILE**

REVISIONS

No.	DESCRIPTION	DATE	BY

APPROVALS

DESIGNED: AA	DRAWN: D.W.
SR. PROG. MGR: V.F.C.	
ENG. REVIEW: C.B.	
CONST. REVIEW: M.G.	



Waddie Ruiz, P.E.  
 Civil Engineer  
 State of Florida - License No. 62714  
 8550 NW 33rd St. #202 Doral, FL 33122  
 A.D.A. Engineering, Inc. (305) 551-4608  
 Date: \_\_\_\_\_  
 PROJECT No. : B-30737  
 FILE NAME: 07-10\_PLANS - WMDWG  
 DATE: MAR 8, 17 SCALE: HOR. 1"=20'  
 SCALE: VER. 1"=2'  
 SHEET **P-10 OF 10**  
 DWG. No. W-21854-B