

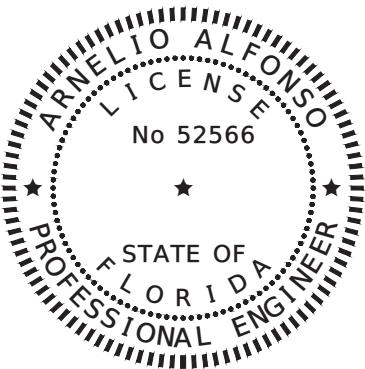
MIAMI-DADE WATER AND SEWER DEPARTMENT

CAPITAL PROGRAM MANAGEMENT DIVISION

3071 SW 38th AVENUE, MIAMI, FL. 33146

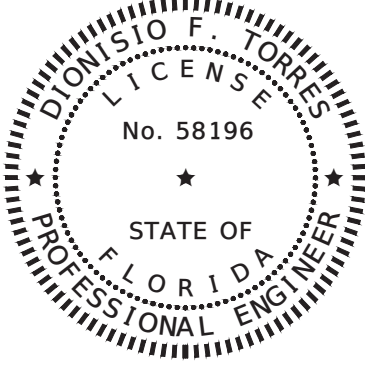
PROPOSED SANITARY SEWER SYSTEM ALONG NW 37th AVE.
FROM SR 112 TO NW 82ND STREET - PHASE I
ER S050015; PCTS No. 16073

PROJECT LOCATION
PROP. SAN. SEWER
SYSTEM



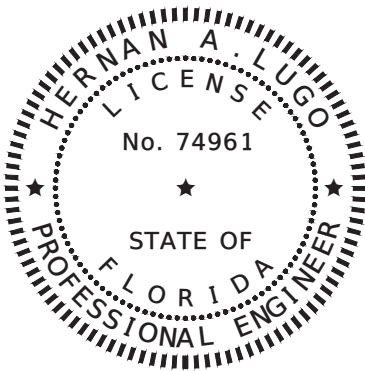
This item has been electronically signed and sealed by Arnelio Alfonso P.E. No. 52566 on the date adjacent to the seal using a digital signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Responsible for Sheets P-01, P-02 and P-24 thru P-41



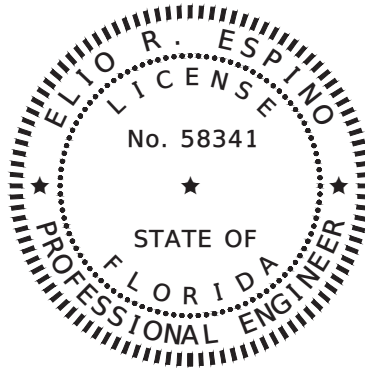
This item has been electronically signed and sealed by Dionisio F. Torres P.E. No. 58196 on the date adjacent to the seal using a digital signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Responsible for Sheets P-44 thru P-45



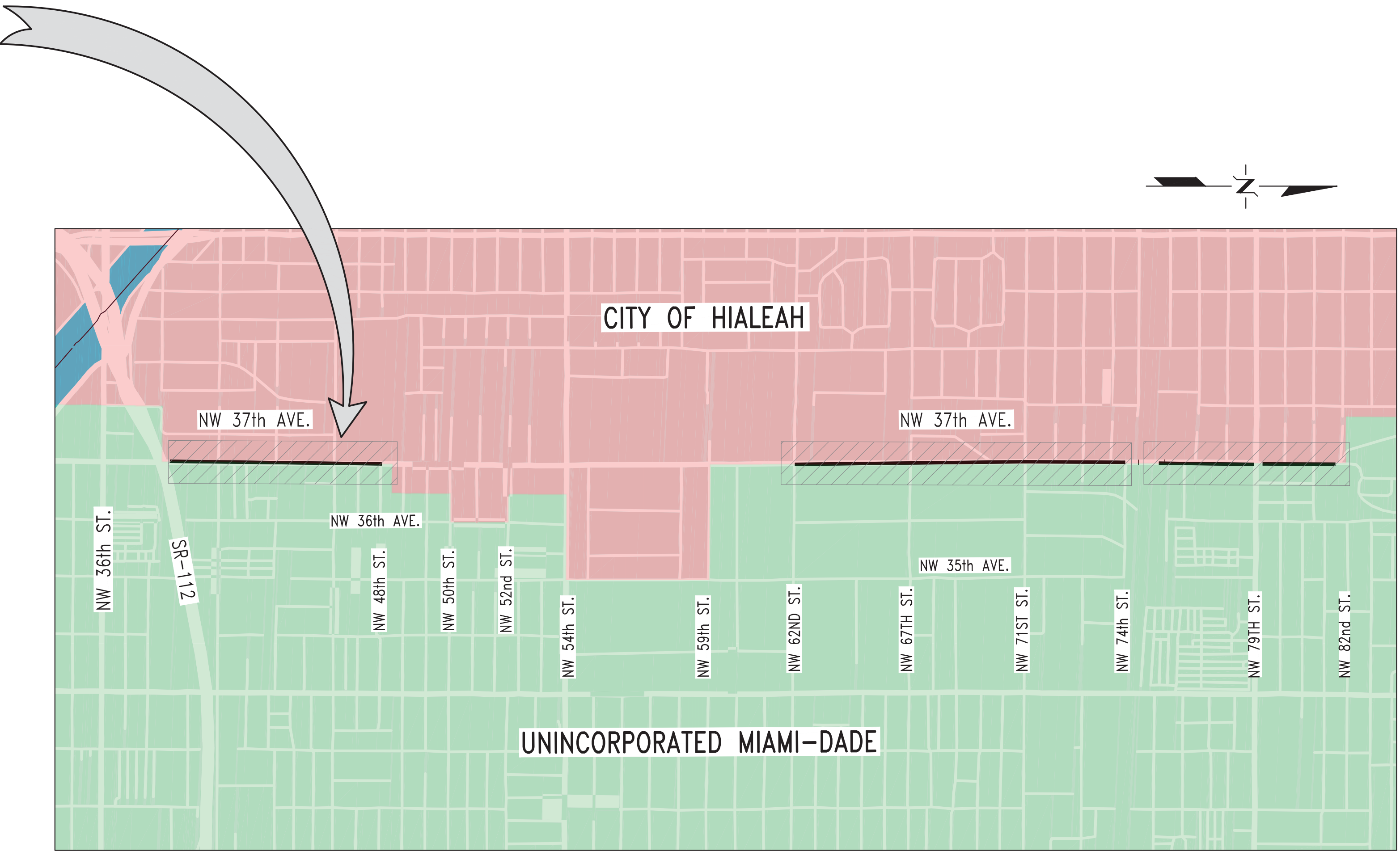
This item has been electronically signed and sealed by Hernan A. Lugo P.E. No. 74961 on the date adjacent to the seal using a digital signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Responsible for Sheets P-46 thru P-84



This item has been electronically signed and sealed by Elio R. Espino P.E. No. 58341 on the date adjacent to the seal using a digital signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Responsible for Sheets P-85 thru P-104



LOCATION MAP

MIAMI DADE COUNTY

A PORTION OF SEC. 08, 09, 16, 17, 21 AND 22 - TWP. 53 S. - RGE. 41 E.

SCALE 1"=1000'

SHEET INDEX

P-01	COVER SHEET
P-02	GENERAL NOTES, DETAILS & LEGEND
P-03 THRU P-23	TOPOGRAPHIC SURVEY
P-24	PROJECT LAYOUT
P-25 THRU P-40	PLAN AND PROFILE
P-41	SANITARY LATERALS DETAIL
P-42 THRU P-43	LEFT IN BLANK
P-44 THRU P-45	PAVEMENT RESTORATION
P-46 THRU P-84	TEMPORARY TRAFFIC CONTROL PLANS
P-85 THRU P-104	TEMPORARY TRAFFIC SIGNAL AND TIMING



Eduardo M. Luis
Engineer III
Water and Sewer Department
3071 SW 38th AVENUE, Miami, Florida 33134
(786) 552-8837

Arnelio Alfonso, P.E.
Civil Engineer
State of Florida - License No. 52566
8935 NW 35th LN, Suite 200,
Doral, Florida 33172
(305) 582-7283
CA No.: EB-0007797



100% SUBMITTAL			
APPROVED BY N/A CHIEF ENGINEER	APPROVED BY N/A SECTION HEAD	E.L. DESIGN MGR.	PROJECT No.: PCTS No.:
DRAWN: V.M.	DATE: 10/07/2021	SHEET	P-01 OF 104
FILE NAME:		DWG. No.	

Revised Set of Plans for Addendum No. 1

GENERAL NOTES:

1. THE FOLLOWING UTILITY COMPANIES SHOULD BE NOTIFIED 48 HOURS IN ADVANCE OF EXCAVATION IN AREA:

- COMCAST CABLE (CATV AND FIBER) FIBERNET / CROWN CASTLE FIBER (FIBER)
- FLORIDA CITY GAS (DISTRIBUTION) CENTURY LINK / LEVEL 3 (FIBER)
- FPL DISTRIBUTION (ELECTRIC) MCI / VERIZON (FIBER, COMMUNICATION LINES)
- FPL TRANSMISSION (ELECTRIC) MIAMI DADE EXPRESSWAY AUTHORITY - MDX (FIBER, ELECTRIC)
- AT&T TRANSMISSION (FIBER, COMMUNICATION LINES) FLORIDA GAS TRANSMISSION
- CITY OF HIALEAH (WATER & SEWER) HOTWIRE COMMUNICATIONS

2. ALL ELEVATIONS REFER TO NATIONAL GEODETIC VERTICAL DATUM, 1929 ADJUST.

3. STATIONING SHOWN IS ALONG THE BASELINE OF SURVEY. GRADING SHOWN IS ALONG THE PROPOSED PIPE ALIGNMENT.

4. 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.

5. IF EVIDENCE OF POTENTIAL CONTAMINATION IS DETECTED DURING EXCAVATION, STOP EXCAVATION WORK AND NOTIFY WASD HAZARDOUS MATERIALS MANAGEMENT SECTION AT (786) 552-8400 AND THE CONSTRUCTION CONTRACTS MANAGEMENT DIVISION AT (786) 268-5161. 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.

6. ALL PIPE AND FITTINGS INSTALLED UNDER THIS PROJECT MUST BE COLOR CODED WITH BLUE PAINT AS STATED IN THE FLORIDA ADMINISTRATIVE CODE, SUBPARAGRAPH 62-555.32(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.

7. USE CAUTION WHEN EXCAVATING AROUND UTILITIES PER SPECIFICATION SECTION 6.00.3

8. ALL LATERALS AND CLEAN-OUTS SHOULD BE CONSTRUCTED AS PER MDWASD STANDARD DETAIL SS 1.0 SHEET 1 AND 2 OF 2 AND SS 22.0 SHEET 1 AND 2 OF 2, RESPECTIVELY.

ALL EXISTING GRAVITY SEWERS (GRAVITY MAINS AND LATERALS) SHALL REMAIN IN SERVICE UNTIL NEW PROPOSED GRAVITY MAINS AND LATERALS HAVE BEEN CONSTRUCTED AND ARE READY TO BE PLACED INTO SERVICE.

9. CONTRACTOR SHALL RECONNECT ALL EXISTING LATERALS TO NEW PROPOSED SEWER LATERALS AS PER DETAIL ON SHEET P-41.

10. PAVEMENT RESTORATION TO BE DONE IN ACCORDANCE WITH CITY OF HIALEAH PUBLIC WORKS DEPARTMENT AND MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT REQUIREMENTS UNLESS OTHERWISE NOTED.

11. 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.

12. 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.

13. MILLING AND RESURFACING PAVEMENT RESTORATION WILL BE FROM EDGE OF PAVEMENT TO EDGE OF PAVEMENT. AT INTERSECTIONS, THE RESTORATION WILL EXTEND TO THE P.C. OF THE CURVE.

14. 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 DERM WATER CONTROL OR POLLUTION CONTROL) PRIOR TO COMMENCING THE WORK AND AT NO ADDITIONAL CONTRACT TIME OR COST TO THE DEPARTMENT.

15. CONTRACTOR SHALL RESTORE DISRUPTED PAVEMENT DUE TO CONSTRUCTION ACTIVITIES TO EXISTING CONDITIONS OR BETTER. PLEASE NOTE THAT AS PART OF THIS PROJECT, RESTORATION WILL INCLUDE PAVED AND STAMPED CONCRETE AREAS.

16. 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.

17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION NPDES GENERIC PERMIT FOR STORM WATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES PERMIT (GOP) 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 STORM WATER 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.

18. PROJECT SPECIFICATIONS SHALL CONFORM TO THE MD-WASD DESIGN AND CONSTRUCTION STANDARD SPECIFICATIONS AND DETAILS.

20. EXISTING TREES AND LIGHT POLES IN CONFLICT WITH PROPOSED SANITARY SEWER NEED TO BE REMOVED PRIOR UTILITY INSTALLATION (REFER TO ROADWAY PROJECT NO. 20040330).

RER-DERM WATER & SEWER GENERAL NOTES:

1. A HORIZONTAL DISTANCE OF AT LEAST 6 FEET, AND PREFERABLY 10 FEET (OUTSIDE TO OUTSIDE), SHALL BE MAINTAINED BETWEEN GRAVITY OR PRESSURE SEWER PIPES AND WATER PIPES. THE MINIMUM HORIZONTAL SEPARATION CAN BE REDUCED TO 3 FEET FOR VACUUM-TYPE SEWERS OR FOR GRAVITY SEWERS WHERE THE TOP OF THE SEWER PIPE IS AT LEAST 6 INCHES BELOW THE BOTTOM OF THE WATER PIPE. WHEN THE ABOVE SPECIFIED HORIZONTAL DISTANCE CRITERIA CANNOT BE MET DUE TO AN EXISTING UNDERGROUND FACILITY CONFLICT, SMALLER SEPARATIONS ARE ALLOWED IF ONE OF THE FOLLOWING IS MET:

- a) THE SEWER PIPES ARE DESIGNED AND CONSTRUCTED EQUAL TO THE WATER PIPE AND PRESSURE TESTED AT 150 PSI.
- b) THE SEWER IS ENCASED IN A WATERTIGHT CARRIER PIPE OR CONCRETE.
- c) THE TOP OF THE SEWER IS AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER PIPE.

2. A VERTICAL DISTANCE OF AT LEAST 12 INCHES (OUTSIDE TO OUTSIDE) SHALL BE MAINTAINED BETWEEN ANY WATER AND SEWER MAINS WITH SEWER PIPES PREFERABLY CROSSING UNDER WATER MAINS. THE MINIMUM VERTICAL SEPARATION CAN BE REDUCED TO 6 INCHES FOR VACUUM-TYPE SEWERS OR FOR GRAVITY SEWERS WHERE THE SEWER PIPE IS BELOW THE WATER MAIN. THE CROSSING SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST 6 FEET FROM ALL JOINTS IN GRAVITY AND PRESSURE SEWER PIPES. THIS DISTANCE CAN BE REDUCED TO 3 FEET FOR VACUUM-TYPE SEWERS. WHEN THE ABOVE SPECIFIED VERTICAL DISTANCE CRITERIA CANNOT BE MET DUE TO AN EXISTING UNDERGROUND FACILITY CONFLICT, SMALLER SEPARATIONS ARE ALLOWED IF ONE OF THE FOLLOWING IS MET:

- a) THE SEWER PIPES ARE DESIGNED AND CONSTRUCTED EQUAL TO THE WATER PIPE AND PRESSURE TESTED AT 150 PSI.
- b) THE SEWER IS ENCASED IN A WATERTIGHT CARRIER PIPE OR CONCRETE.

3. AIR RELEASE VALVES SHALL BE PROVIDED AT HIGH POINTS OF NEW FORCE MAIN SANITARY SEWERS.

4. GRAVITY SANITARY SEWERS CONSTRUCTED WITHIN A PUBLIC WELLFIELD PROTECTION AREA SHALL BE PVC C-900 OR DUCTILE IRON PIPE. THE MAXIMUM ALLOWABLE EXFILTRATION RATE OF GRAVITY SANITARY SEWERS CONSTRUCTED IN A PUBLIC WELLFIELD PROTECTION AREA SHALL BE:

- a) RESIDENTIAL LAND USES. FIFTY (50) GALLONS PER INCH PIPE DIAMETER PER MILE PER DAY, BASED ON A MINIMUM TWO (2) HOUR TEST HAVING A MINIMUM OF TWO (2) FEET OF POSITIVE HEAD ABOVE THE CROWN OF THE PIPE.
- b) NON-RESIDENTIAL LAND USES. TWENTY (20) GALLONS PER INCH PIPE DIAMETER PER MILE PER DAY, BASED ON A MINIMUM TWO (2) HOUR TEST HAVING A MINIMUM OF TWO (2) FEET OF POSITIVE HEAD ABOVE THE CROWN OF THE PIPE.
- c) ANY OBSERVED LEAKS OR ANY OBVIOUSLY DEFECTIVE JOINTS OR PIPES SHALL BE REPLACED EVEN WHEN THE TOTAL LEAKAGE IS BELOW THAT ALLOWED.

5. THE MAXIMUM ALLOWABLE EXFILTRATION RATE OF GRAVITY SANITARY SEWERS CONSTRUCTED OUTSIDE A PUBLIC WELLFIELD PROTECTION AREA SHALL BE ONE HUNDRED (100) GALLONS PER INCH PIPE DIAMETER PER MILE PER DAY, BASED ON A MINIMUM TWO (2) HOUR TEST HAVING A MINIMUM OF TWO (2) FEET OF POSITIVE HEAD ABOVE THE CROWN OF THE PIPE. ANY OBSERVED LEAKS OR ANY OBVIOUSLY DEFECTIVE JOINTS OR PIPES SHALL BE REPLACED EVEN WHEN THE TOTAL LEAKAGE IS BELOW THAT ALLOWED.

6. FORCE MAIN SANITARY SEWERS CONSTRUCTED WITHIN A PUBLIC WELLFIELD PROTECTION AREA SHALL BE DUCTILE IRON, C-900 PVC, HDPE OR REINFORCED CONCRETE PRESSURE SEWER PIPES.

7. THE MAXIMUM ALLOWABLE EXFILTRATION/LEAKAGE RATE OF FORCE MAIN SANITARY SEWERS SHALL BE:

- a) DUCTILE IRON, C-900 PVC, HDPE AND PVC PIPE. THE ALLOWABLE LEAKAGE RATE SPECIFIED IN AMERICAN WATER WORKS ASSOCIATION STANDARD (AWWAS) C600-82 AT A TEST PRESSURE OF 100 PSI FOR A DURATION OF NOT LESS THAN TWO (2) HOURS.
- b) REINFORCED CONCRETE PRESSURE PIPE. HALF (1/2) THE ALLOWABLE LEAKAGE RATE SPECIFIED IN AWWA C600-82 AT A TEST PRESSURE OF 100 PSI FOR A DURATION OF NOT LESS THAN TWO (2) HOURS.
- c) ANY OBSERVED LEAKS OR ANY OBVIOUSLY DEFECTIVE JOINTS OR PIPES SHALL BE REPLACED EVEN WHEN THE TOTAL LEAKAGE IS BELOW THAT ALLOWED.

8. THE CONTRACTOR SHALL VERIFY NATURE, DEPTH, AND CHARACTER OF EXISTING UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION.

9. IN NO CASE SHALL A CONTRACTOR INSTALL UTILITY PIPES, CONDUITS, CABLES, ETC. IN THE SAME TRENCH ABOVE AN EXISTING WATER OR SEWER PIPE EXCEPT WHERE THEY CROSS.

10. IF ANY AREA OF THE WORK SITE IS FOUND TO CONTAIN BURIED SOLID WASTE AND/OR GROUND OR GROUND WATER CONTAMINATION, THE FOLLOWING SHALL APPLY:

- a) ALL WORK IN THE AREA SHALL FOLLOW ALL APPLICABLE SAFETY REQUIREMENTS (E.G., OSHA, ETC.) AND NOTIFICATION MUST BE PROVIDED TO THE APPROPRIATE AGENCIES.
- b) IMMEDIATELY NOTIFY THE ENVIRONMENTAL MONITORING AND RESTORATION DIVISION (EMRD). THE EMRD CAN BE CONTACTED AT (305) 372-6700.
- c) IF CONTAMINATED SOILS AND/OR BURIED SOLID WASTE MATERIAL IS EXCAVATED DURING CONSTRUCTION, THEN THEY REQUIRE PROPER HANDLING AND DISPOSAL IN ACCORDANCE WITH THE LOCAL, STATE AND FEDERAL REGULATIONS. BE ADVISED THAT THE LANDFILL OWNER/OPERATOR IS THE FINAL AUTHORITY ON DISPOSAL AND MAY HAVE REQUIREMENTS BEYOND THOSE PROVIDED BY HEREIN. IF DISPOSAL WITHIN A MIAMI-DADE COUNTY OWNED LANDFILL (CLASS I LANDFILL) IS APPROPRIATE AND SELECTED, PLEASE CONTACT THE MIAMI-DADE COUNTY DEPARTMENT OF SOLID WASTE MANAGEMENT AT (305) 594-6666 FOR INFORMATION.
- d) THE REUSE OF CONTAMINATED SOILS THAT ARE NOT RETURNED TO THE ORIGINAL EXCAVATION REQUIRES PRIOR APPROVAL OF A SOIL MANAGEMENT PLAN FROM THE ENVIRONMENTAL MONITORING AND RESTORATION DIVISION. THE EMRD CAN BE CONTACTED AT (305) 372-6700.

11. PUMPS MUST COMPLY WITH THE NATIONAL ELECTRICAL CODE (NEC) REQUIREMENTS FOR CLASS I, GROUP D, DIVISION 1 LOCATIONS (EXPLOSION PROOF).

12. THE CONTRACTOR IS ADVISED THAT A TREE REMOVAL/RELOCATION PERMIT MAY BE REQUIRED PRIOR TO THE REMOVAL AND/OR RELOCATION OF TREE RESOURCES. PRIOR TO REMOVING OR RELOCATING ANY TREES, THE CONTRACTOR SHALL NOTIFY THE TREE AND FOREST RESOURCES SECTION OF DERM AT (305)372-6700 OR VIA E-MAIL AT: TFRS@MIAMI-DADE.GOV , OR CONTACT THE MUNICIPALITY WITH TREE ORDINANCE JURISDICTION TO OBTAIN ANY REQUIRED PERMITS. THOSE TREES NOT INTERFERING WITH THE CONSTRUCTION SHALL BE PROTECTED IN PLACE IN ACCORDANCE WITH THE PROVISIONS OF SECTION 24-49.5 OF THE MIAMI-DADE CODE.

13. PLEASE NOTE THAT THE DEMOLITION, REMOVAL, AND/OR DISTURBANCE OF EXISTING UNDERGROUND UTILITIES THAT CONTAIN ASBESTOS-CEMENT PIPES ARE SUBJECT TO THE PROVISIONS OF 40 CFR-61 SUBPART M. THEREFORE, PURSUANT TO THE PROVISIONS OF 40 CFR-61-145, A NOTICE OF DEMOLITION OR ASBESTOS RENOVATION FORM MUST BE FILED WITH THE AIR QUALITY MANAGEMENT DIVISION (AQMD) OF DERM, AT LEAST TEN (10) WORKING DAYS PRIOR TO STARTING OF ANY WORK. NOTE THAT THE BACKFILLING AND BURIAL OF CRUSHED ACP WOULD CAUSE THESE LOCATIONS TO BE CONSIDERED ACTIVE DISPOSAL SITES AND SUBJECT TO 40 CFR-61.154, AND 40 CFR-61.151 A YEAR AFTER PROJECT COMPLETION. EXISTING STANDARD OPERATING PROCEDURES, AS WELL AS APPLICABLE FEDERAL, STATE AND LOCAL REGULATORY CRITERIA, MUST BE FOLLOWED AND IMPLEMENTED TO MINIMIZE ANY POTENTIAL RELEASE OF FUGITIVE EMISSIONS, ESPECIALLY DURING PROJECT CONSTRUCTION ACTIVITIES.

14. TO SAFEGUARD THE PUBLIC HEALTH, SAFETY AND WELFARE, THE DESIGN STANDARDS, PROCEDURES, AND MATERIALS OF CONSTRUCTION WERE SELECTED BASED ON THE RESULTS OF AN ENVIRONMENTAL DUE DILIGENCE REVIEW OF PUBLIC RECORDS PERFORMED PURSUANT TO STATE AND LOCAL REGULATIONS WITH RESPECT TO SOIL AND GROUNDWATER CONTAMINATION.

15. IF ANY AREA OF THE WORK SITE IS FOUND TO CONTAIN CONTAMINATED GROUNDWATER, CONTAMINATED SOIL AND/OR BURIED SOLID WASTE, THE FOLLOWING SHALL APPLY:

- a) IF GROUNDWATER OR SOIL CONTAMINATION IS ENCOUNTERED, WORK MUST CEASE AND THE WASD ENVIRONMENTAL COMPLIANCE SECTION (786-552-8400), THE WASD INSPECTOR AND THE EOR MUST BE NOTIFIED.
 - i. CONTAMINATED SOIL EXCAVATED DURING CONSTRUCTION MAY BE RETURNED TO THE ORIGINAL EXCAVATION OR, ALTERNATIVELY, PROPERLY DISPOSED AT AN AUTHORIZED LANDFILL. IF DISPOSAL WITHIN A MIAMI-DADE COUNTY OWNED CLASS I LANDFILL IS APPROPRIATE AND SELECTED, YOU MAY CONTACT MIAMI-DADE SOLID WASTE MANAGEMENT AT 305-594-6666 FOR INFORMATION.
- b) BURIED SOLID WASTE DISCOVERED AND EXCAVATED MUST BE DISPOSED AT AN AUTHORIZED LANDFILL.

16. IF CONTAMINATED GROUNDWATER, CONTAMINATED SOIL AND/OR BURIED SOLID WASTE IS ENCOUNTERED, RER-DERM'S ENVIRONMENTAL MONITORING AND RESTORATION DIVISION (EMRD) MUST BE NOTIFIED (305-372-6700) AND, SUBSEQUENTLY, A SUMMARY OF FINDINGS AND DISPOSITION OF THE DISCOVERED MATERIAL MUST BE SUBMITTED.

17. IF CONTAMINATION IS ENCOUNTERED, ADEQUATE MEASURES SHALL BE IMPLEMENTED INCLUDING BUT NOT LIMITED TO:

- a) ALL JOINTS SHALL BE EQUIPPED WITH VITON® "O" GASKETS
- b) TRENCH SHALL BE LINED WITH IMPERMEABLE MEMBRANE
- c) ALL PIPE, FITTINGS, AND VALVES SHALL BE INSTALLED WITH V-BIO POLYETHYLENE ENCASEMENT

LEGEND

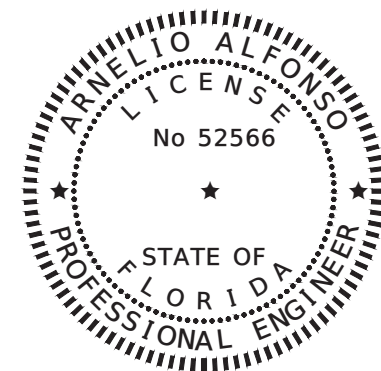
---	W-M	Exist. Water Main
---	S-S	Exist. Storm Sewer
---	San	Exist. Sanitary Sewer
---	F-M	Exist. Force Main
---	G	Exist. Gas
---	C	Center line
---	Base line	
---	C&B	Center line and Base line
---	M	Monument line
---	E	Section line
---	R/W	Right of way line
---	P	Property line
---	TL	Exist. Telephone
---	EH	Exist. Electric underground
---	CH	Exist. Cable underground
---	TR	Exist. Traffic loop
---	REQ'D	Required
---	O/S	Offset
---	D.I.	Ductile Iron
---	REST. J.	Restrained Joint
---	W	Exist. Guy Wire
---	SLP	Exist. Street Light Pole
---	UCP	Exist. Utility Conc. Pole
---	UP	Exist. Utility Pole
---	FL	Exist. Flood Light
---	TRLP	Exist. Traffic Light Pole
---	EP	Exist. Pedestrian Crossing Light
---	EB	Exist. Electric Box
---	SLB	Exist. Street Light Box
---	TPB	Exist. Telephone Box
---	TSB	Exist. Traffic Signal Box
---	CTB	Exist. Cable TV Box
---	C.B.	Exist. C.B.
---	EMH	Exist. Electric MH
---	SMH	Exist. Storm MH
---	SMH	Exist. Sanitary MH
---	TMH	Exist. Telephone MH
---	WMH	Exist. Water MH
---	W	Exist. Well
---	S	Exist. Sprinkler
---	FH	Exist. Fire Hydrant
---	V	Exist. Valve
---	CB	Core Boring
---	S	Exist. Sign
---	SWM	Exist. Single Water Meter
---	PSWM	Prop. Single Water Meter
---	DWM	Prop. Dual Water Meter
---	ML	Limits of milling and resurfacing pavement restoration

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG

It's fast. It's free. It's the law.

www.callsunshine.com

S.S.O.C.O.F. DESIGN TICKET No. 288910995,
288910559 & 288911397
DATE:10/15/2019



This item has been electronically signed and sealed by Arnelio Alfonso P.E. No. 52566 on the date adjacent to the seal using a digital signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

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
PORTABLE WATER MAIN/FORCE MAIN PRESSURE PIPE CONFLICT DETAIL	GS 1.1	1 OF 1
REINFORCED CONCRETE SLAB (FOR GROUND COVER LESS THAN 2.5')	GS 1.2	1 OF 1
SERVICE LATERAL FOR "SHALLOW" SEWERS	SS 1.0	1 OF 2
SERVICE LATERAL FOR "DEEP" SEWERS	SS 1.0	2 OF 2
STANDARD MANHOLE	SS 6.0	1 OF 1
DROP-CONNECTION MANHOLE	SS 9.0	1 OF 1
SANITARY SEWER CLEAN-OUT LID DETAIL	SS 22.0	1 OF 2
CONCRETE BOX FOR USE WITH SANITARY SEWER CLEAN-OUTS	SS 22.0	2 OF 2
WATER AND GRAVITY SEWER MAIN CROSSINGS	GS 1.5	1 OF 1
No. 3 C.I. VALVE BOX AND LID	WS 3.11	1 & 2 OF 2
PAVEMENT RESTORATION TYPE I	A 1.0	1 OF 1
PAVEMENT RESTORATION TYPE II	A 1.2	1 OF 1
PAVEMENT RESTORATION TYPE V	A 1.1	1 OF 1
ABBREVIATIONS FOR DEPARTMENT'S PROJECTS	A 10.0	1, 2 & 3 OF 3
NOTES:		
1. 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.		
2. 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.		

MIAMI-DADE COUNTY
Delivering Excellence Every Day
WATER & SEWER DEPARTMENT
3575 S. LEAUNE RD.
MIAMI, FL 33133
305-665-7471
www.miamidade.gov/water

ASP ENGINEERS
CA No.: EB-0007797
8935 NW 35th STREET, SUITE 200
MIAMI, FL 33172
305-592-7283
www.aspcite.com

PROPOSED SANITARY SEWER SYSTEM ALONG NW 37th AVENUE,
FROM SR 112 TO NW 82nd STREET. - PHASE I
ER S050015; PCTS No. 16073

GENERAL NOTES, DETAILS & LEGEND

DRAWING HISTORY			
	RELEASED FOR	DATE	BY
1	30% SUBMITTAL	05/22/20	A.A.
2	90% SUBMITTAL	08/28/20	A.A.
3	PERMIT SUBMITTAL	10/28/20	A.A.
4	PERMIT RESUBMITTAL	01/20/21	A.A.
5	100% SUBMITTAL	03/05/21	A.A.

REVISIONS			
No.	DESCRIPTION	DATE	BY
1	INTERCONNECTIONS PHASE II	10/05/21	A.A.

APPROVALS	
PROJECT MGR: E.L.	CHECKED: A.A.
DESIGNED: I.P.	DRAWN: V.M.
CHIEF ENGINEER:	
SECTION HEAD:	
DESIGN MGR.:	

ARNELIO ALFONSO, P.E.
CIVIL ENGINEER
State of Florida - License No. 52566
8935 NW 35th LN, SUITE 200,
MIAMI FL 33172
(305) 592-7283

NAME: 002_General Notes.DWG	
E: 03/05/2021	SCALE:
SHEET P-02 OF 104	
WG. No.	

MIAMI-DADE WATER AND SEWER DEPARTMENT

3071 SW 38th AVENUE MIAMI, FLORIDA 33146-1520

TOPOGRAPHIC SURVEY

PROPOSED SANITARY SEWER SYSTEM ALONG NW 37 AVENUE,

FROM SR 112 to NW 82 STREET.

ER No. S050015, PCTS No. 16073

SURVEYOR'S REPORT:

TYPE OF SURVEY: Topographic Survey.

This is not a Boundary Survey, the information show on this topographic survey shall not be considered or used to define right-of-way and property lines. Boundary information shown herein is for informational purposes only.

DATE OF FIELD SURVEY:

The last date of field data acquisition was June 17, 2020.

SURVEY LIMITS:

- 1- Along NW 37 Avenue from R/W to R/W. Beginning at NW 40 street and ending at NW 48 street.
- 2- Along NW 37 Avenue from R/W to R/W. Beginning at NW 62 street and ending at NW 71 street.
- 3- Along NW 37 Avenue from R/W to R/W. Beginning at FEC Rail Road next to NW 74 street and ending at NW 82 street.

ACCURACY:

The horizontal accuracy attained for all horizontal control measurements and office calculations of closed geometric figures, performed for this Topographic Survey were found to exceed 1 foot in 7,500 feet, in accordance with Miami-Dade Water and Sewer Department Standards for suburban areas.

Elevations shown herein are based on closed level run between the two benchmarks as noted under the vertical control section below. The vertical accuracy obtained on this topographic survey exceed the calculated value of a closure in feet of plus or minus 0.05 feet times the square root of the distance in miles between the two control being tested; a minimum accepted value as per Miami-Dade Water and Sewer Department Standards.

Elevations of well defined features as depicted herein were measured to an estimated vertical accuracy of 0.05 feet on soft surfaces and 0.25 feet of a foot on hard surface ground surfaces.

This map of survey is intended to be displayed at a scale of 1"=20' or smaller.

All dimensions as shown are based on the US survey foot.

PERTINENT INFORMATION USED FOR SURVEY:

Horizontal Control:

Bearing and coordinates (Northing and Easting) are relative to the Florida State Plane Coordinate System, East Zone 0901, North American Datum (NAD) 1983 adjustment of 2011 (NAD83/2011)-Epoch 2011.0000; with a bearing of N02°09'01"W (C) - N02°12'55"W (ORB 31661-3595), being established for the centerline of NW 37 avenue from NW 36 street to NW 46 street.

GPS measurements were conducted in the field using RTK method in order to establish coordinate values which derive from the following Florida Permanent Network Control Stations:

Agency	Site Name	Site Code	Latitude	Longitude	Ellipsoid(M)	Northing	Easting
FDOT	DISTRICT 6	FLD6	25° 46' 49.67350" N	80° 22' 35.34867" W	-15.1040	526,386.0460	861,341.7379
FDOT	MIAMI BEACH	FLMB	25° 46' 57.83802" N	80° 08' 14.16811" W	-15.5110	527,654.4532	940,056.797

Static GPS measurements were conducted in the field to acquire coordinate values by radial baseline method. The maximum acceptable positional tolerance, based on the 95% Confidence Level, is: 0.05 feet horizontal; 0.08 feet vertical.

Control points established by static GPS method are based on observation sessions of not less than 30 minutes.

All referenced Stations mentioned above are part of the Florida Permanent Reference Network (FPRN - www.myfloridagps.com)

The control monument used to compare and check is known as HERMAN AZ, described below:

RECORDED REFERENCE POINT	RECOVERED REFERENCE POINT
Name: HERMAN AZ	Name: HERMAN AZ
State Plane Zone: Florida East 53-41-20	State Plane Zone: Florida East 53-41-20
Geographic Coordinates:	State Plane Coordinates NAD 83/90:
Latitude: 25°48'58.491604"	Northing: 539,596.1189US feet
Longitude: 80°15'24.674596"	Eastng: 900,636.0119 US feet
State Plane Coordinates NAD 83/90:	RESIDUAL
Northing: 539,596.0402 US feet	Northing: -0.078666667
Easting: 900,635.8749 US feet	Easting: -0.137033333

The reference point used for the horizontal control was a Miami-Dade County GPS Control Point obtained from (<https://mdc.maps.arcgis.com>)

All measurements are in U.S. Survey feet.

Vertical Control:

All elevations shown hereon are based on the National Geodetic Vertical Datum of 1929. The following Miami-Dade County Department of Transportation and Public Works benchmarks were used to establish project control.

Benchmark: M-39	Benchmark: N-536
Elevation: 8.27'	Elevation: 10.60'
Northing: 542,284.90	Northing: 550,200.76
Easting: 900,838.28	Easting: 900,187.24
Location 1: NW 54 St on north side of street.	Location 1: NW 79 St --- 13.2' N of projected N edge of pavement to eastbound lane.
Location 2: NW 37 Ave ---300' + or - east of C/L	Location 2: NW 37 Ave --- 13.5' east of projected east edge of pavement.
Description: Brass bar in concrete catch basin.	

The following instruments were used in preparations of this survey: Leica Viva GS15 GNSS Receiver and Terrestrial Mobil Scanner Leica Pegasus Ultimate II

SOURCE OF DATA:

Plat of FRONTON TRAILER PARK SUBDIVISION in PB 52 at Page 50 of the Public Records of MDC, FL.
Plat of JOHNNIE AND MACK SUBDIVISION in PB 75 at Page 73 of the Public Records of MDC, FL.
Plat of AMENDED PLAT OF MELROSE GARDENS in PB 7 at Page 94 of the Public Records of MDC, FL.
Plat of SEMINOLE LAWN in PB 16 at Page 4 of the Public Records of MDC, FL.
Plat of MELROSE HEIGHTS 5TH SECTION in PB 17 at Page 22 of the Public Records of MDC, FL.
Plat of PINEDALE in PB 22 at Page 32 of the Public Records of MDC, FL.
Plat of AMENDED PLAT MARYLAND PARK in PB 29 at Page 12 of the Public Records of MDC, FL.
Plat of KNIGHT'S PARK in PB 34 at Page 18 of the Public Records of MDC, FL.
Plat of AMENDED PLAT OF AMENDED PLAT OF THIRTEENTH ADDITION TO HIALEAH in PB 34 at Page 26 of the Public Records of MDC, FL.
Plat of MIDWAY INDUSTRIAL SITES in PB 45 at Page 47 of the Public Records of MDC, FL.
Plat of GELMAN SUBDIVISION in PB 47 at Page 35 of the Public Records of MDC, FL.
Plat of LEO GELVAN SUBDIVISION in PB 50 at Page 23 of the Public Records of MDC, FL.
Plat of VANGEL SUBDIVISION in PB 50 at Page 70 of the Public Records of MDC, FL.
Plat of PAN AMERICAN TERMINALS in PB 50 at Page 71 of the Public Records of MDC, FL.
Plat of CENTRAL INDUSTRIAL SITES SECTION TWO in PB 50 at Page 92 of the Public Records of MDC, FL.
Plat of LEO GELVAN SUBDIVISION FIRST ADDITION in PB 51 at Page 63 of the Public Records of MDC, FL.
Plat of REPLAT OF BLOCK 100B in PB 51 at Page 68 of the Public Records of MDC, FL.
Plat of REVISED PLAT OF A PORTION OF VANGEL SUBDIVISION in PB 52 at Page 15 of the Public Records of MDC, FL.
Plat of CENTRAL INDUSTRIAL SITES SECTION ONE in PB 52 at Page 24 of the Public Records of MDC, FL.
Plat of A PLAT OF A PORTION OF BLOCKS 125B AND 130B OF THE AMENDED PLAT OF THIRTEENTH ADDITION TO HIALEAH in PB 55 at Page 59 of the Public Records of MDC, FL.
Plat of DUPUIS INDUSTRIAL CENTER in PB 57 at Page 56 of the Public Records of MDC, FL.
Plat of SEABOARD INDUSTRIAL CENTER in PB 60 at Page 84 of the Public Records of MDC, FL.
Plat of RTTA INDUSTRIAL SUBDIVISION in PB 61 at Page 43 of the Public Records of MDC, FL.
Plat of VENT VUE in PB 61 at Page 52 of the Public Records of MDC, FL.
Plat of 36TH AVE. INDUSTRIAL PLAZA in PB 67 at Page 96 of the Public Records of MDC, FL.
Plat of NORMA SUBDIVISION in PB 67 at Page 140 of the Public Records of MDC, FL.
Plat of PALM TERMINALS in PB 73 at Page 16 of the Public Records of MDC, FL.
Plat of FRONTON HEIGHTS ADDITION in PB 90 at Page 20 of the Public Records of MDC, FL.
Plat of KAREN SUBDIVISION in PB 91 at Page 48 of the Public Records of MDC, FL.
Plat of KAREN SUBDIVISION FIRST ADDITION in PB 99 at Page 53 of the Public Records of MDC, FL.
Plat of LEVCOFF TRACT in PB 125 at Page 97 of the Public Records of MDC, FL.
Plat of BIRDSALL INDUSTRIAL PARK in PB 143 at Page 41 of the Public Records of MDC, FL.
City of Miami, Municipal Atlas Sheet N°18 A, prepared buy Public Works Department, Engineering Division, last date Nov-14-1966
Warranty Deed, recorded on May 11, 1953, in ORB 3801 at Page 559 of the Public Records of MDC, FL.
Quit Claim, recorded on Nov 19, 1959, in ORB 1775 at Page 290 of the Public Records of MDC, FL.
Warranty Deed, recorded on Nov 1, 1959, in ORB 2097 at Page 65 of the Public Records of MDC, FL.
R/W Deed, recorded on Dec 14, 1961, in ORB 2957 at Page 351 of the Public Records of MDC, FL.
Deed, recorded on Mar 7, 1952, in ORB 3791 at Page 600 of the Public Records of MDC, FL.
Deed, recorded on Jun 15, 1953, in ORB 3819 at Page 222 of the Public Records of MDC, FL.
Warranty Deed, recorded on Oct 30, 1964, in ORB 4357 at Page 327 of the Public Records of MDC, FL.
Easement Agreement, recorded on Jun 3, 1970, in ORB 4357 at Page 327 of the Public Records of MDC, FL.
Grant Easement, recorded on Apr 20, 1973, in ORB 8239 at Page 563 of the Public Records of MDC, FL.
Resolution, recorded on Nov 17, 1977, in ORB 9876 at Page 1587 of the Public Records of MDC, FL.
Special Warranty Deed, recorded on Dec 14, 1979, in ORB 10601 at Page 195 of the Public Records of MDC, FL.
Warranty Deed, recorded on Jun 03, 1980, in ORB 10766 at Page 580 of the Public Records of MDC, FL.
Warranty Deed, recorded on Sep 01, 1982, in ORB 11544 at Page 1309 of the Public Records of MDC, FL.
Warranty Deed, recorded on Apr 18, 1984, in ORB 12121 at Page 353 of the Public Records of MDC, FL.
Warranty Deed, recorded on Dec 8, 1988, in ORB 13918 at Page 2516 of the Public Records of MDC, FL.
Warranty Deed, recorded on Nov 2, 1989, in ORB 14312 at Page 2179 of the Public Records of MDC, FL.
Warranty Deed, recorded on Mar 7, 1990, in ORB 14458 at Page 3005 of the Public Records of MDC, FL.
Supplemental Warranty Deed,recorded on Mar 30, 1990 in ORB 14491 at Page 326 of the Public Records of MDC, FL.
Special Warranty Deed, recorded on Jun 14, 1991, in ORB 14857 at Page 2807 of the Public Records of MDC, FL.
Special Warranty Deed, recorded on Mar 21, 1991, in ORB 14950 at Page 143 of the Public Records of MDC, FL.
Warranty Deed, recorded on Jun 12, 1992, in ORB 1550 at Page 2426 of the Public Records of MDC, FL.
Quit Claim, recorded on Oct 6, 1992, in ORB 15672 at Page 1237 of the Public Records of MDC, FL.
Warranty Deed, recorded on Oct 21, 1993, in ORB 16098 at Page 0510 of the Public Records of MDC, FL.
Warranty Deed, recorded on Mar 1, 1994, in ORB 16264 at Page 1613 of the Public Records of MDC, FL.
Warranty Deed, recorded on Sep 20, 1994, in ORB 16515 at Page 3329 of the Public Records of MDC, FL.
Warranty Deed, recorded on May 3, 1995, in ORB 16774 at Page 1184 of the Public Records of MDC, FL.
Warranty Deed, recorded on Jun 6, 1995, in ORB 16806 at Page 108 of the Public Records of MDC, FL.
Warranty Deed, recorded on Jun 6, 1995, in ORB 16806 at Page 254 of the Public Records of MDC, FL.
Replacement Warranty Deed, recorded on Sep 19, 1995, in ORB 16923 at Page 3107 of the Public Records of MDC, FL.
Warranty Deed, recorded on Dec 15, 1995, in ORB 17028 at Page 2750 of the Public Records of MDC, FL.
Warranty Deed, recorded on Feb 21, 1996, in ORB 17103 at Page 1122 of the Public Records of MDC, FL.

Warranty Deed, recorded on Jun 03, 1996, in ORB 17223 at Page 1326 of the Public Records of MDC, FL.
Warranty Deed, recorded on Oct 23, 1996, in ORB 17400 at Page 0822 of the Public Records of MDC, FL.
Special Warranty Deed, recorded on May 06, 1998, in ORB 18092 at Page 2833 of the Public Records of MDC, FL.
Warranty Deed, recorded on Apr 6, 1999, in ORB 18549 at Page 4255 of the Public Records of MDC, FL.
Warranty Deed, recorded on Sept 7, 1999, in ORB 18770 at Page 3485 of the Public Records of MDC, FL.
Warranty Deed, recorded on Oct 12, 1999, in ORB 18816 at Page 3888 of the Public Records of MDC, FL.
Warranty Deed, recorded on May 24, 2000, in ORB 19126 at Page 1446 of the Public Records of MDC, FL.
Warranty Deed, recorded on Jul 5, 1991, in ORB 19759 at Page 3121 of the Public Records of MDC, FL.
Warranty Deed, recorded on May 17, 2002, in ORB 20402 at Page 4899 of the Public Records of MDC, FL.
Warranty Deed, recorded on Jan 23, 2003, in ORB 20969 at Page 657 of the Public Records of MDC, FL.
Special Warranty Deed, recorded on Jul 9, 2003, in ORB 21411 at Page 1841 of the Public Records of MDC, FL.
Special Warranty Deed, recorded on Sep 7, 2003, in ORB 21444 at Page 1841 of the Public Records of MDC, FL.
Special Warranty Deed, recorded on Mar 2, 2004, in ORB 22085 at Page 4812 of the Public Records of MDC, FL.
Warranty Deed, recorded on Apr 15, 2004, in ORB 22217 at Page 0989 of the Public Records of MDC, FL.
Warranty Deed, recorded on Jul 13, 2004, in ORB 22478 at Page 663 of the Public Records of MDC, FL.
Warranty Deed, recorded on Jul 16, 2004, in ORB 22492 at Page 0322 of the Public Records of MDC, FL.
Special Warranty Deed, recorded on Mar 03, 2005, in ORB 23133 at Page 224 of the Public Records of MDC, FL.
Warranty Deed, recorded on Jan 12, 2006, in ORB 24138 at Page 4739 of the Public Records of MDC, FL.
Quit Claim Deed, recorded on Mar 13, 2006, in ORB 24319 at Page 4269 of the Public Records of MDC, FL.
Quit Claim Deed, recorded on Mar 13, 2006, in ORB 24319 at Page 4269 of the Public Records of MDC, FL.
Condominium Document, recorded on Jun 13, 2005, in ORB 24324 at Page 1245 of the Public Records of MDC, FL.
Warranty Deed, recorded on Mar 24, 2006, in ORB 24356 at Page 4012 of the Public Records of MDC, FL.
Warranty Deed, recorded on Aug 01, 2006, in ORB 24778 at Page 2619 of the Public Records of MDC, FL.
Special Warranty Deed, recorded on Apr 02, 2007, in ORB 25498 at Page 4071 of the Public Records of MDC, FL.
Notice, recorded on Apr 01, 2008, in ORB 26299 at Page 4316 of the Public Records of MDC, FL.
Order of Taking, recorded on Jun 12, 2008, in ORB 26441 at Page 4168 of the Public Records of MDC, FL.
Quit Claim Deed, recorded on Mar 13, 2006, in ORB 24319 at Page 4269 of the Public Records of MDC, FL.
Order of Taking, recorded on Feb 03, 2009, in ORB 26794 at Page 1330 of the Public Records of MDC, FL.
Quit Claim Deed, recorded on May 08, 2009, in ORB 26859 at Page 1190 of the Public Records of MDC, FL.
Warranty Deed, recorded on Sep 16, 2009, in ORB 27014 at Page 0957 of the Public Records of MDC, FL.
Warranty Deed, recorded on Apr 07, 2010, in ORB 27242 at Page 1152 of the Public Records of MDC, FL.
Special Warranty Deed, recorded on Jun 14, 2010, in ORB 27318 at Page 3980 of the Public Records of MDC, FL.
Quit Claim Deed, recorded on Jul 02, 2010, in ORB 27341 at Page 3081 of the Public Records of MDC, FL.
Warranty Deed, recorded on Jul 26, 2012, in ORB 28204 at Page 3059 of the Public Records of MDC, FL.
Quit Claim Deed, recorded on Feb 05, 2013, in ORB 28474 at Page 2541 of the Public Records of MDC, FL.
Special Warranty Deed, recorded on Feb 07, 2013, in ORB 28480 at Page 0632 of the Public Records of MDC, FL.
Corrective Quit Claim Deed, recorded on May 08, 2013, in ORB 28619 at Page 1709 of the Public Records of MDC, FL.
Warranty Deed, recorded on Jun 14, 2013, in ORB 28679 at Page 365 of the Public Records of MDC, FL.
Warranty Deed, recorded on Aug 19, 2013, in ORB 28778 at Page 4575 of the Public Records of MDC, FL.
Warranty Deed, recorded on Sep 18, 2013, in ORB 28827 at Page 2063 of the Public Records of MDC, FL.
Certificate of Title, recorded on Nov 04, 2013, in ORB 28895 at Page 4795 of the Public Records of MDC, FL.
Certificate of Title, recorded on Nov 04, 2013, in ORB 28895 at Page 4795 of the Public Records of MDC, FL.
Warranty Deed, recorded on Mar 13, 2014, in ORB 29067 at Page 0088 of the Public Records of MDC, FL.
Warranty Deed, recorded on May 05, 2015, in ORB 29603 at Page 2228 of the Public Records of MDC, FL.
Corrective Warranty Deed, recorded on Oct 06, 2015, in ORB 29805 at Page 3602 of the Public Records of MDC, FL.
Warranty Deed, recorded on Oct 21, 2015, in ORB 29824 at Page 389 of the Public Records of MDC, FL.
Warranty Deed, recorded on Dec 14, 2015, in ORB 29888 at Page 2995 of the Public Records of MDC, FL.
Warranty Deed, recorded on Apr 08, 2016, in ORB 30030 at Page 4668 of the Public Records of MDC, FL.
Special Warranty Deed, recorded on Apr 14, 2016, in ORB 30038 at Page 2246 of the Public Records of MDC, FL.
Distributive Deed, recorded on Dec 22, 2016, in ORB 30356 at Page 1568 of the Public Records of MDC, FL.
Special Warranty Deed, recorded on Jan 13, 2017, in ORB 30383 at Page 967 of the Public Records of MDC, FL.
Quit Claim Deed, recorded on Apr 05, 2017, in ORB 30484 at Page 230 of the Public Records of MDC, FL.
Warranty Deed, recorded on Feb 13, 2018, in ORB 30862 at Page 3291 of the Public Records of MDC, FL.
Warranty Deed, recorded on Feb 20, 2018, in ORB 30867 at Page 2955 of the Public Records of MDC, FL.
Warranty Deed, recorded on Jul 30, 2018, in ORB 31079 at Page 4388 of the Public Records of MDC, FL.
Special Warranty Deed, recorded on Aug 31, 2018, in ORB 31123 at Page 3034 of the Public Records of MDC, FL.
Special Warranty Deed, recorded on Nov 30, 2018, in ORB 31237 at Page 1893 of the Public Records of MDC, FL.
Special Warranty Deed, recorded on Dic 13, 2018, in ORB 31253 at Page 2087 of the Public Records of MDC, FL.
Warranty Deed, recorded on Jan 10, 2019, in ORB 31285 at Page 1603 of the Public Records of MDC, FL.
Special Warranty Deed, recorded on Oct 25, 2019, in ORB 31661 at Page 3595 of the Public Records of MDC, FL.
Warranty Deed, recorded on Jan 11, 2020, in ORB 31775 at Page 2193 of the Public Records of MDC, FL.
Deed, recorded on Dec 28, 1976, in ORB 9540 at Page 1111 of the Public Records of MDC, FL.
Warranty Deed, recorded on Jul 17, 2002, in ORB 20533 at Page 4397 of the Public Records of MDC, FL.
Warranty Deed, recorded on Oct 05, 2004, in ORB 22704 at Page 693 of the Public Records of MDC, FL.
Quit Claim Deed, recorded on My 29, 2008, in ORB 26402 at Page 4080 of the Public Records of MDC, FL.
Warranty Deed, recorded on Mar 18, 2015, in ORB 29541 at Page 2151 of the Public Records of MDC, FL.
Warranty Deed, recorded on Dec 22, 2015, in ORB 29897 at Page 4768 of the Public Records of MDC, FL.
Warranty Deed, recorded on Apr 05, 2017, in ORB 30484 at Page 187 of the Public Records of MDC, FL.
City of Miami, Municipal Atlas Sheet N°18 A, prepared by Public Works Department, Engineering Division, last date Nov-14-1966
State Road No. 934 F.D.O.T, Maintenance Map, Section 87080-900, date 05-05-2014 SR No. 25 FDOT, Right of Way Map, Section 87090-2501, date 05-09-60.

SURVEYOR'S NOTES:

FR-Aleman is a company covered by professional liability insurance.

Rights of way lines were defined by plats, ORB and FDOT maps listed under source of data. Property lines were defined by Miami-Dade County property appraiser.

The Properties ownership were defined by Miami-Dade County property appraiser.

Values shown as calculated "(C)" are based on the best determination of the Surveyor aligning the geometry of the Plats listed above with the Monumentation recovered in the field.

Values shown as per Plat "(P)" are based on the Plats listed under source of data.

Values shown as per Deed "(D)" are based on the Recorded instruments listed under source of data.

Values shown as measured "(M)" are based on points recovered and measured in the field as part of the survey.

MAG Nails and washers were set at 100 foot station along the baseline on hard surfaces; 5/8" Iron rods and 60D nails were set on ground surfaces

All curbs, curb and gutter and valley gutters in this survey are made of concrete.

RESTRICTIONS:

The Client is hereby advised that there may be restrictions of record not shown on the Survey Map that may be found in the Miami-Dade County Public Records. Other than those cited under pertinent information, no other information was used to develop this map.

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

The Surveyor makes no representation as to ownership or possession of the Subject Property by any entity or individual who may appear of public records of this County.

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

PURPOSE OF SURVEY:

The purpose of this survey is to depict the capture of horizontal and vertical field data of the existing improvements on a delimited area for design purposes.

CLIENT INFORMATION:

This Topographic Survey was prepared for and certified to:

A&P Consulting Transportation Engineers, Inc
Miami-Dade County Water & Sewer Department.

SURVEYOR'S CERTIFICATE:

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

By:	Lis R. Tolstoy, PSM	Date
	Professional Surveyor and Mapper LS #6759	
	State of Florida	

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

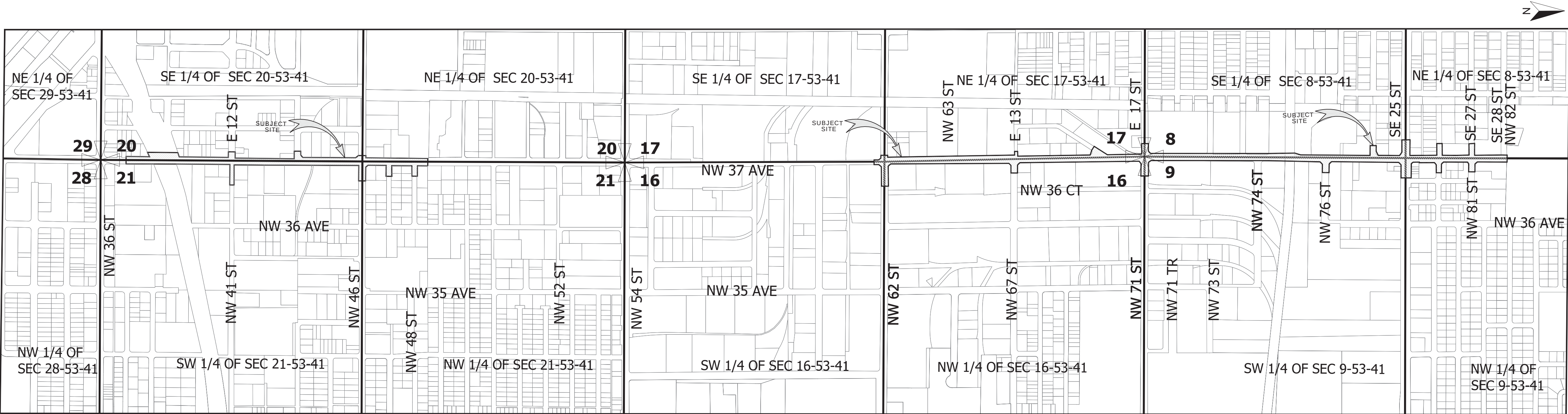
This Topographic Survey is not full and complete without sheets P-03 through P-23



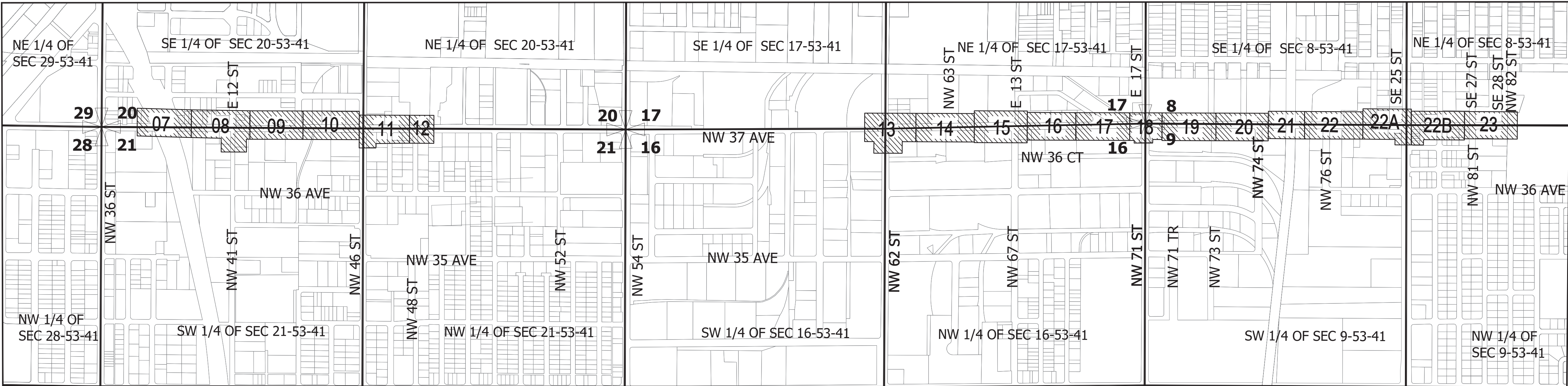
DWG. HISTORY	DATE	BY				
REVIEW 30% SUBMITTAL	5/22/20	AE-ACS				
REVIEW 90% SUBMITTAL	8/28/20	AE-ACS	REV No.	DATE	DESCRIPTION	BY
PERMIT SET	10/28/20	AE-ACS	APPROVED BY	APPROVED BY	PROJECT No.: E15-WASD-038	
BID SET			CHIEF ENGINEER	SECTION HEAD	DESIGN MGR.	PCTS No.:
			DRAWN:	DATE:	SHEET P-03 OF 104	
			FILE NAME:	2972 W04 TOPOGRAPHIC SURVEY.DWG	DWG. No.	X-XXXXX-D

MIAMI-DADE WATER AND SEWER DEPARTMENT
3071 SW 38th AVENUE MIAMI, FLORIDA 33146-1520
TOPOGRAPHIC SURVEY

PROPOSED SANITARY SEWER SYSTEM ALONG NW 37 AVENUE,
FROM SR 112 to NW 82 STREET.
ER No. S050015, PCTS No. 16073



LOCATION MAP (1"=600')
HIALEAH/CITY OF MIAMI/MIAMI-DADE COUNTY
A PORTION OF SEC 20 - TWP 53 S - RGE 41 E
A PORTION OF SEC 21 - TWP 53 S - RGE 41 E
A PORTION OF SEC 28 - TWP 53 S - RGE 41 E
A PORTION OF SEC 8 - TWP 53 S - RGE 41 E
A PORTION OF SEC 29 - TWP 53 S - RGE 41 E
A PORTION OF SEC 16 - TWP 53 S - RGE 41 E
A PORTION OF SEC 17 - TWP 53 S - RGE 41 E
A PORTION OF SEC 9 - TWP 53 S - RGE 41 E



KEY MAP (1"=600')

LEGEND & ABBREVIATIONS

- Baseline
- Centerline
- Chain link fence
- Easement
- Limit Access line
- Property line
- Lot lines as per Original Plat Book
- Right of way line
- Monument Line (City of Miami)
- Original Right of way line
- Section line
- Overhead Electric
- Wood Fence
- Backflow Preventor
- Bollard
- Cable TV Box
- Catch Basin
- City of Miami Monument's Symbol
- Cleanout
- Electric Box
- Electric MH
- Electric Outlet
- Fire Hydrant
- Gas Valve
- Guy Wire
- Palm and DBH
- Pedestrian Crossing Light
- Sanitary Manhole
- Sewer Valve
- Sign
- Storm Manhole
- Street Light Box
- Street Light Pole
- Telephone Box
- Telephone Manhole
- Temporary Benchmark
- Traffic Signal Box
- Tree and DBH
- Traffic Light Pole
- Typical Column (Concrete R=1.5')
- Utility Concrete Pole
- Utility Wood Pole
- Water Manhole
- Water Meter
- Water Valve
- Water Well
- American Disability Act
- Atlas Sheet
- Calculated Dimension
- Catch Basin
- Curb Inlet
- Chain link fence
- Corrugated Metal Pipe
- Concrete
- Concrete block stucco
- Diameter at Breast Height
- Ductile Iron Pipe
- Elevation
- Elevation
- Edge of pavement
- Finish Floor
- Global Positioning System
- High-density Polyethylene
- Invert
- Iron Fence
- Arc Length
- Limited Access
- Licensed Business
- Measured Dimension
- Manhole - Inspection
- Manhole - Drainage Storm
- Manhole - Sanitary Swear
- Manhole - Water
- Manhole - Water
- Monument line
- Mag Nail & Washer
- National Geodetic
- Vertical Datum 1929
- Official Record Book
- Platted Dimension
- Plat Book
- Point of Curvature
- Project Control Tracking System
- Point of Intersection
- Page
- Point of Tangency
- Polyvinyl Chloride Pipe
- Radius
- Reinforced Concrete Pipe
- Reference Point
- Range
- Real Time Kinematic
- Right of way line
- Spot Elevation
- Minimum Clearance Vertical
- Total Angle
- Township
- Temporary Benchmark
- Wood fence

MIAMI-DADE COUNTY
WATER & SEWER DEPARTMENT
3071 SW 38th AVENUE
MIAMI, FL 33146-1520
305-665-7471
www.miamidade.gov/water

A&P ENGINEERS
CA No.: EB-0007787
8935 NW 38th LANE, SUITE 200
MIAMI, FL 33172
305-592-7283
www.apce.com

PROPOSED SANITARY SEWER SYSTEM ALONG NW 37 AVENUE,
FROM SR 112 to NW 82 STREET.
ER No. S050015, PCTS No. 16073

TOPOGRAPHIC SURVEY

DRAWING HISTORY			
	RELEASED FOR	DATE	BY
1	30% SUBMITTAL	5/22/20	AE-ACS
2	90% SUBMITTAL	8/28/20	AE-ACS
3	PERMIT	10/28/20	AE-ACS
4	100% SUBMITTAL	02/24/21	AE-ACS
AS-BUILT			
REVISIONS			
No.	DESCRIPTION	DATE	BY
①	Q4/QC	6/19/20	WASD
②	Q4/QC	7/28/20	WASD
③			
APPROVALS			
PROJECT MGR: AE		CHECKED: PD	
DESIGNED:		DRAWN: AE-ACS	
CHIEF ENGINEER:			
SECTION HEAD:			
DESIGN MGR.:			
FRALEMAN FR Aleman & Associates, Inc. 10305 NW 41 Street, Suite 200, Doral, FL 33178 Phone: 305.591.8777 Fax: 305.599.8749 LB: 6785 Lis R. Tolstoy, PSM			
State of Florida - License No 6759			
FILE NAME: 2972 W04 Topographic Survey			
DATE: 2/15/21		SCALE: NTS	
SHEET		P-04	OF 104
DWG. No.		X-XXXXX-D	

MIAMI-DADE WATER AND SEWER DEPARTMENT

3071 SW 38th AVENUE MIAMI, FLORIDA 33146-1520

TOPOGRAPHIC SURVEY

PROPOSED SANITARY SEWER SYSTEM ALONG NW 37 AVENUE, FROM SR 112 to NW 82 STREET. ER No. S050015, PCTS No. 16073

LEGEND & ABBREVIATIONS	
	Baseline
	Centerline
	Chain link fence
	Easement
	Limit Access line
	Property line
	Lot lines as per Original Plat Book
	Right of way line
	Monument Line (City of Miami)
	Original Right of way line
	Section line
	Overhead Electric
	Wood Fence
	Backflow Preventor
	Bollard
	Cable TV Box
	Catch Basin
	City of Miami Monument's Symbol
	Cleanout
	Electric Box
	Electric MH
	Electric Outlet
	Fire Hydrant
	Gas Valve
	Guy Wire
	Palm and DBH
	Pedestrian Crossing Light
	Sanitary Manhole
	Sewer Valve
	Sign
	Storm Manhole
	Street Light Box
	Street Light Pole
	Telephone Box
	Telephone Manhole
	Temporary Benchmark
	Traffic Signal Box
	Tree and DBH
	Traffic Light Pole
	Typical Column (Concrete R=1.5)
	Utility Concrete Pole
	Utility Wood Pole
	Water Manhole
	Water Meter
	Water Valve
	Water Well
	American Disability Act
	Atlas Sheet
	Calculated Dimension
	Catch Basin
	Curb Inlet
	Chain link fence
	Corrugated Metal Pipe
	Concrete
	Concrete block stucco
	Diameter at Breast Height
	Ductile Iron Pipe
	Elevation
	Edge of pavement
	Finish Floor
	Global Positioning System
	High-density Polyethylene
	Invert
	Iron Fence
	Arc Length
	Limited Access
	Licensed Business
	Measured Dimension
	Manhole - inspection
	Manhole - Drainage Storm
	Manhole - Sanitary Sewer
	Manhole - Water
	Manhole - Water
	Monument line
	Mag Nail & Washer
	National Geodetic
	Vertical Datum 1929
	Official Record Book
	Plat Book
	Point of Curvature
	Project Control Tracking System
	Point of Intersection
	Page
	Point of Tangency
	Polyvinyl Chloride Pipe
	Radius
	Reinforced Concrete Pipe
	Reference Point
	Range
	Real Time Kinematic
	Right of way line
	Spot Elevation
	Minimum Clearance Vertical
	Total Angle
	Township
	Temporary Benchmark
	Wood fence

SHEET INDEX

SHEET P-03 General Notes (Survey)
SHEET P-04 Cover Sheet (Survey)
SHEET P-05 & P-06 Table Sheets (Survey)
SHEET P-07 TO P-56 Topographic Survey

BASELINE POINTS TABLE				
STATION	NORTHING	EASTING	ELEVATION	DESCRIPTION
	NAD 83	/ 2011	NGVD 1929	
24+00.00	537,189.5639'	900,758.0810'	6.86'	SET MAG NAIL & WASHER (LB 6735)
25+00.00	537,289.4935'	900,754.3290'	6.68'	SET MAG NAIL & WASHER (LB 6735)
26+00.00	537,389.4231'	900,750.5771'	6.90'	SET MAG NAIL & WASHER (LB 6735)
27+00.00	537,489.3527'	900,746.8251'	7.52'	SET MAG NAIL & WASHER (LB 6735)
28+00.00	537,589.2823'	900,743.0732'	8.45'	SET MAG NAIL & WASHER (LB 6735)
29+00.00	537,689.2119'	900,739.3213'	9.26'	SET MAG NAIL & WASHER (LB 6735)
30+00.00	537,789.1415'	900,735.5693'	9.48'	SET MAG NAIL & WASHER (LB 6735)
31+00.00	537,889.0710'	900,731.8174'	9.07'	SET MAG NAIL & WASHER (LB 6735)
32+00.00	537,989.0006'	900,728.0654'	7.47'	SET MAG NAIL & WASHER (LB 6735)
33+00.00	538,088.9302'	900,724.3135'	6.77'	SET MAG NAIL & WASHER (LB 6735)
34+00.00	538,188.8598'	900,720.5615'	6.59'	SET MAG NAIL & WASHER (LB 6735)
35+00.00	538,288.7894'	900,716.8096'	8.45'	SET MAG NAIL & WASHER (LB 6735)
36+00.00	538,388.7190'	900,713.0577'	8.66'	SET MAG NAIL & WASHER (LB 6735)
37+00.00	538,488.6486'	900,709.3057'	8.04'	SET MAG NAIL & WASHER (LB 6735)
38+00.00	538,588.5782'	900,705.5538'	7.16'	SET MAG NAIL & WASHER (LB 6735)
39+00.00	538,688.5078'	900,701.8018'	7.68'	SET MAG NAIL & WASHER (LB 6735)
40+00.00	538,788.4374'	900,698.0499'	8.39'	SET MAG NAIL & WASHER (LB 6735)
41+00.00	538,888.3669'	900,694.2979'	8.40'	SET MAG NAIL & WASHER (LB 6735)
42+00.00	538,988.2965'	900,690.5460'	8.35'	SET MAG NAIL & WASHER (LB 6735)
43+00.00	539,088.2261'	900,686.7941'	8.44'	SET MAG NAIL & WASHER (LB 6735)
44+00.00	539,188.1557'	900,683.0421'	8.39'	SET MAG NAIL & WASHER (LB 6735)
45+00.00	539,288.0853'	900,679.2902'	8.53'	SET MAG NAIL & WASHER (LB 6735)
46+00.00	539,388.0149'	900,675.5382'	9.09'	SET MAG NAIL & WASHER (LB 6735)
47+00.00	539,487.9445'	900,671.7863'	9.17'	SET MAG NAIL & WASHER (LB 6735)
48+00.00	539,587.8679'	900,667.8750'	9.20'	SET MAG NAIL & WASHER (LB 6735)
49+00.00	539,687.7901'	900,663.9300'	8.84'	SET MAG NAIL & WASHER (LB 6735)
50+00.00	539,787.7122'	900,659.9849'	8.91'	SET MAG NAIL & WASHER (LB 6735)
51+00.00	539,887.6344'	900,656.0399'	8.92'	SET MAG NAIL & WASHER (LB 6735)
52+00.00	539,987.5566'	900,652.0948'	8.61'	SET MAG NAIL & WASHER (LB 6735)
53+00.00	540,087.4787'	900,648.1498'	8.58'	SET MAG NAIL & WASHER (LB 6735)
54+00.00	540,187.4009'	900,644.2048'	8.34'	SET MAG NAIL & WASHER (LB 6735)
99+00.00	544,683.1665'	900,449.6414'	8.78'	SET MAG NAIL & WASHER (LB 6735)
100+00.00	544,783.0588'	900,445.0028'	8.36'	SET MAG NAIL & WASHER (LB 6735)
101+00.00	544,882.9425'	900,440.2065'	8.24'	SET MAG NAIL & WASHER (LB 6735)
102+00.00	544,982.7418'	900,433.8727'	8.13'	SET MAG NAIL & WASHER (LB 6735)
103+00.00	545,082.5393'	900,427.5390'	8.36'	SET MAG NAIL & WASHER (LB 6735)
104+00.00	545,182.3402'	900,421.2051'	8.53'	SET MAG NAIL & WASHER (LB 6735)
105+00.00	545,282.1394'	900,414.8714'	8.54'	SET MAG NAIL & WASHER (LB 6735)
106+00.00	545,381.9386'	900,408.5376'	8.70'	SET MAG NAIL & WASHER (LB 6735)
107+00.00	545,481.7378'	900,402.2038'	8.68'	SET MAG NAIL & WASHER (LB 6735)
108+00.00	545,581.5370'	900,395.8700'	8.65'	SET MAG NAIL & WASHER (LB 6735)
109+00.00	545,681.3363'	900,389.5362'	8.78'	SET MAG NAIL & WASHER (LB 6735)
110+00.00	545,781.1355'	900,383.2024'	8.79'	SET MAG NAIL & WASHER (LB 6735)
111+00.00	545,880.9347'	900,376.8686'	8.94'	SET MAG NAIL & WASHER (LB 6735)
112+00.00	545,980.7339'	900,370.5348'	9.06'	SET MAG NAIL & WASHER (LB 6735)
113+00.00	546,080.5331'	900,364.2010'	9.08'	SET MAG NAIL & WASHER (LB 6735)
114+00.00	546,180.3302'	900,357.8646'	9.22'	SET MAG NAIL & WASHER (LB 6735)
115+00.00	546,280.1348'	900,351.5857'	9.14'	SET MAG NAIL & WASHER (LB 6735)
116+00.00	546,379.9387'	900,345.3256'	9.37'	SET MAG NAIL & WASHER (LB 6735)

BASELINE POINTS TABLE				
STATION	NORTHING	EASTING	ELEVATION	DESCRIPTION
	NAD 83	/ 2011	NGVD 1929	
117+00.00	546,479.7426'	900,339.0654'	9.37'	SET MAG NAIL & WASHER (LB 6735)
118+00.00	546,579.5464'	900,332.8052'	9.48'	SET MAG NAIL & WASHER (LB 6735)
119+00.00	546,679.3503'	900,326.5450'	9.53'	SET MAG NAIL & WASHER (LB 6735)
120+00.00	546,779.1541'	900,320.2849'	9.61'	SET MAG NAIL & WASHER (LB 6735)
121+00.00	546,878.9580'	900,314.0247'	9.73'	SET MAG NAIL & WASHER (LB 6735)
122+00.00	546,978.7618'	900,307.7645'	9.43'	SET MAG NAIL & WASHER (LB 6735)
123+00.00	547,078.5657'	900,301.5044'	9.29'	SET MAG NAIL & WASHER (LB 6735)
124+00.00	547,178.3696'	900,295.2442'	9.32'	SET MAG NAIL & WASHER (LB 6735)
125+00.00	547,278.1734'	900,288.9840'	9.15'	SET MAG NAIL & WASHER (LB 6735)
126+00.00	547,377.9773'	900,282.7238'	9.25'	SET MAG NAIL & WASHER (LB 6735)
127+00.00	547,477.7811'	900,276.4637'	9.45'	SET MAG NAIL & WASHER (LB 6735)
128+00.00	547,577.6257'	900,271.0139'	9.09'	SET MAG NAIL & WASHER (LB 6735)
129+00.00	547,677.5543'	900,267.2340'	8.54'	SET MAG NAIL & WASHER (LB 6735)
130+00.00	547,777.4828'	900,263.4541'	8.23'	SET MAG NAIL & WASHER (LB 6735)
131+00.00	547,877.4113'	900,259.6742'	7.55'	SET MAG NAIL & WASHER (LB 6735)
132+00.00	547,977.3399'	900,255.8943'	7.45'	SET MAG NAIL & WASHER (LB 6735)
133+00.00	548,077.2684'	900,252.1144'	7.73'	SET MAG NAIL & WASHER (LB 6735)
134+00.00	548,177.1970'	900,248.3345'	8.00'	SET MAG NAIL & WASHER (LB 6735)
135+00.00	548,277.1255'	900,244.5546'	8.26'	SET MAG NAIL & WASHER (LB 6735)
136+00.00	548,377.0540'	900,240.7747'	8.37'	SET MAG NAIL & WASHER (LB 6735)
137+00.00	548,476.9826'	900,236.9949'	8.33'	SET MAG NAIL & WASHER (LB 6735)
138+00.00	548,576.9111'	900,233.2150'	8.51'	SET MAG NAIL & WASHER (LB 6735)
139+00.00	548,676.8396'	900,229.4351'	8.64'	SET MAG NAIL & WASHER (LB 6735)
140+00.00	548,776.7682'	900,225.6552'	8.87'	SET MAG NAIL & WASHER (LB 6735)
141+00.00	548,876.6967'	900,221.8753'	8.79'	SET MAG NAIL & WASHER (LB 6735)
142+00.00	548,976.6253'	900,218.0954'	11.04'	SET MAG NAIL & WASHER (LB 6735)
143+00.00	549,076.5538'	900,214.3155'	10.68'	SET MAG NAIL & WASHER (LB 6735)
144+00.00	549,176.4823'	900,210.5356'	8.90'	SET MAG NAIL & WASHER (LB 6735)
145+00.00	549,276.4109'	900,206.7557'	9.18'	SET MAG NAIL & WASHER (LB 6735)
146+00.00	549,376.3394'	900,202.9759'	9.41'	SET MAG NAIL & WASHER (LB 6735)
147+00.00	549,476.2679'	900,199.1960'	9.41'	SET MAG NAIL & WASHER (LB 6735)
148+00.00	549,576.1965'	900,195.4161'	9.15'	SET MAG NAIL & WASHER (LB 6735)
149+00.00	549,676.1250'	900,191.6362'	8.94'	SET MAG NAIL & WASHER (LB 6735)
150+00.00	549,776.0535'	900,187.8563'	9.22'	SET MAG NAIL & WASHER (LB 6735)
151+00.00	549,875.9821'	900,184.0764'	9.59'	SET MAG NAIL & WASHER (LB 6735)
152+00.00	549,975.9106'	900,180.2965'	9.88'	SET MAG NAIL & WASHER (LB 6735)
153+00.00	550,075.8392'	900,176.5166'	9.72'	SET MAG NAIL & WASHER (LB 6735)
154+00.00	550,175.7677'	900,172.7367'	9.74'	SET MAG NAIL & WASHER (LB 6735)
155+00.00	550,275.6917'	900,168.8422'	9.54'	SET MAG NAIL & WASHER (LB 6735)
156+00.00	550,375.6105'	900,164.8128'	9.29'	SET MAG NAIL & WASHER (LB 6735)
157+00.00	550,475.5293'	900,160.7834'	8.96'	SET MAG NAIL & WASHER (LB 6735)
158+00.00	550,575.4481'	900,156.7540'	8.76'	SET MAG NAIL & WASHER (LB 6735)
159+00.00	550,675.3669'	900,152.7247'	8.94'	SET MAG NAIL & WASHER (LB 6735)
160+00.00	550,775.2857'	900,148.6953'	9.10'	SET MAG NAIL & WASHER (LB 6735)
161+00.00	550,875.2068'	900,144.6658'	9.15'	SET MAG NAIL & WASHER (LB 6735)
162+00.00	550,975.1233'	900,140.6365'	8.86'	SET MAG NAIL & WASHER (LB 6735)
163+00.00	551,075.0420'	900,136.6071'	8.27'	SET MAG NAIL & WASHER (LB 6735)
164+00.00	551,174.9608'	900,132.5778'	7.75'	SET MAG NAIL & WASHER (LB 6735)
165+00.00	551,274.8779'	900,128.5485'	9.47'	SET MAG NAIL & WASHER (LB 6735)



CA No.: EB-0007787
8935 NW 38th Lane, Suite 200
MIAMI, FL 33172
305-592-7283
www.apce.com

PROPOSED SANITARY SEWER SYSTEM ALONG NW 37 AVENUE,
FROM SR 112 to NW 82 STREET.
ER No. S050015, PCTS No. 16073

TOPOGRAPHIC SURVEY

DRAWING HISTORY

RELEASED FOR	DATE	BY
1 30% SUBMITTAL	5/22/20	AE-ACS
2 90% SUBMITTAL	8/28/20	AE-ACS
3 PERMIT	10/28/20	AE-ACS
4 100% SUBMITTAL	02/24/21	AE-ACS

AS-BUILT

REVISIONS

No.	DESCRIPTION	DATE	BY
△ QAVQC		6/19/20	WASD
△ QAVQC		7/28/20	WASD
△			

APPROVALS

PROJECT MGR: AE CHECKED: PD

DESIGNED: DRAWN: AE-ACS

CHIEF ENGINEER:

SECTION HEAD:

DESIGN MGR.:

FRILEMAN
FR Alernan & Associates, Inc.
10305 NW 41 Street, Suite 200, Doral, FL 33178
Phone: 305.591.9777
Fax: 305.599.8749 LB: 6785

Lis R. Tolstoy, PSM

State of Florida - License No 6759

MIAMI-DADE WATER AND SEWER DEPARTMENT

3071 SW 38th AVENUE MIAMI, FLORIDA 33146-1520

TOPOGRAPHIC SURVEY

PROPOSED SANITARY SEWER SYSTEM ALONG NW 37 AVENUE,
FROM SR 112 to NW 82 STREET.
ER No. S050015, PCTS No. 16073

REFERENCE POINT TABLE			
	NORTHING	EASTING	DESCRIPTION
NUMBER	NAD 83 / 2011		
REF#1	537,863.6189'	901,387.3332'	SET MN&W (LB 6735)
REF#2	537,963.5471'	901,383.5424'	SET MN&W (LB 6735)
REF#3	537,240.2416'	900,776.1923'	SET MN&W (LB 6735)
REF#4	537,340.1712'	900,772.4404'	SET MN&W (LB 6735)
REF#5	537,440.1008'	900,768.6884'	SET MN&W (LB 6735)
REF#8	538,829.1981'	900,596.4490'	SET MN&W (LB 6735)
REF#9	538,825.6411'	900,496.5122'	SET MN&W (LB 6735)
REF#12	538,127.9685'	900,697.8301'	SET MN&W (LB 6735)
REF#13	538,028.0389'	900,701.5821'	SET MN&W (LB 6735)
REF#14	537,928.1093'	900,705.3340'	SET MN&W (LB 6735)
REF#15	539,501.8351'	900,571.1941'	SET MN&W (LB 6735)
REF#16	539,498.2666'	900,471.2582'	SET MN&W (LB 6735)
REF#23	540,069.8467'	900,670.8455'	SET MN&W (LB 6735)
REF#24	540,073.8716'	900,770.7644'	SET MN&W (LB 6735)
REF#25	540,077.8966'	900,870.6834'	SET MN&W (LB 6735)
REF#33	548,548.0795'	900,134.2340'	SET MN&W (LB 6735)
REF#34	548543.9189'	900,034.3199'	SET MN&W (LB 6735)
REF#37	544,869.8019'	900,340.8700'	SET MN&W (LB 6735)
REF#38	544,865.9379'	900,240.9446'	SET MN&W (LB 6735)
REF#39	547,540.9531'	900,172.3336'	SET MN&W (LB 6735)
REF#40	547,536.9295'	900,072.4146'	SET MN&W (LB 6735)
REF#69	548,876.1295'	900,206.8855'	SET MN&W (LB 6735)
REF#70	548,976.0580'	900,203.1041'	SET MN&W (LB 6735)
REF#71	549,125.9507'	900,197.4318'	SET MN&W (LB 6735)
REF#72	550,561.1044'	900,057.2512'	SET MN&W (LB 6735)
REF#73	550,557.0539'	899,957.3333'	SET MN&W (LB 6735)
REF#88	546,377.7462'	900,310.3943'	SET MN&W (LB 6735)
REF#89	546,477.5469'	900,304.1343'	SET MN&W (LB 6735)
REF#90	546,577.3539'	900,297.8740'	SET MN&W (LB 6735)
REF#91	550,249.7406'	900,169.8714'	SET MN&W (LB 6735)
REF#92	550,253.8569'	900,269.8040'	SET MN&W (LB 6735)
REF#93	550,257.9725'	900,369.7193'	SET MN&W (LB 6735)
REF#94	549,401.9009'	900,302.0805'	SET MN&W (LB 6735)
REF#95	549,405.9986'	900,401.9970'	SET MN&W (LB 6735)
REF#96	551,232.1126'	900,030.1918'	SET MN&W (LB 6735)
REF#97	551,228.0260'	899,930.2753'	SET MN&W (LB 6735)

TEMPORARY BENCHMARK TABLE						
NAME	NORTHING	EASTING	ELEVATION NGVD 1929	STATION	OFFSET	DESCRIPTION
	NAD 83 / 2011					
TBM-2	537,820.1260'	900,718.7940'	9.09'	30+31.59	15.60' LEFT	SET MN&W (LB 6735)
TBM-3	538,845.1710'	900,681.7290'	8.23'	40+57.31	14.18' LEFT	SET MN&W (LB 6735)
TBM-10	545,464.0860'	900,411.3020'	8.56'	106+81.81	7.96' RIGHT	SET MN&W (LB 6735)
TBM-11	546,439.2760'	900,343.6170'	9.45'	116+59.33	2.01' RIGHT	SET MN&W (LB 6735)
TBM-12	547,444.6915'	900,303.1185'	9.11'	126+62.31	24.53' RIGTH	SET MN&W (LB 6735)
TBM-13A	548,062.7490'	900,264.1760'	7.58'	132+85.04	11.50' RIGTH	SET MN&W (LB 6735)
TBM-14A	548,691.8760'	900,211.3660'	8.54'	139+15.71	17.49' LEFT	SET MN&W (LB 6735)
TBM-15	549,399.3100'	900,203.4190'	9.46'	146+22.94	1.31' RIGHT	SET MN&W (LB 6735)
TBM-16	550,287.0880'	900,174.7910'	9.49'	155+11.15	6.40' RIGHT	SET MN&W (LB 6735)
TBM-17	551,258.3980'	900,127.2250'	8.31'	164+83.59	1.99' RIGTH	SET MN&W (LB 6735)

LEGEND & ABBREVIATIONS	
	Baseline
	Centerline
	Chain link fence
	Easement
	Limit Access line
	Property line
	Lot lines as per Original Plat Book
	Right of way line
	Monument Line (City of Miami)
	Original Right of way line
	Section line
	Overhead Electric
	Wood Fence
	Backflow Preventor
	Bollard
	Cable TV Box
	Catch Basin
	City of Miami Monument's Symbol
	Cleanout
	Electric Box
	Electric MH
	Electric Outlet
	Fire Hydrant
	Gas Valve
	Guy Wire
	Palm and DBH
	Pedestrian Crossing Light
	Sanitary Manhole
	Sewer Valve
	Sign
	Storm Manhole
	Street Light Box
	Street Light Pole
	Telephone Box
	Telephone Manhole
	Temporary Benchmark
	Traffic Signal Box
	Tree and DBH
	Traffic Light Pole
	Typical Column (Concrete R=1.5')
	Utility Concrete Pole
	Utility Wood Pole
	Water Manhole
	Water Meter
	Water Valve
	Water Well
	American Disability Act
	Atlas Sheet
	Calculated Dimension
	Catch Basin
	Curb Inlet
	Chain link fence
	Corrugated Metal Pipe
	Concrete
	Concrete block stucco
	Diameter at Breast Height
	Ductile Iron Pipe
	Elevation
	Edge of pavement
	Finish Floor
	Global Positioning System
	High-density Polyethylene
	Invert
	Iron Fence
	Arc Length
	Limited Access
	Licensed Business
	Measured Dimension
	Manhole - Inspection
	Manhole - Drainage Storm
	Manhole - Sanitary Swear
	Manhole - Water
	Manhole - Water
	Monument line
	Mag Nail & Washer
	National Geodetic Vertical Datum 1929
	Official Record Book
	Platted Dimension
	Plat Book
	Point of Curvature
	Project Control Tracking System
	Point of Intersection
	Page
	Point of Tangency
	Polyvinyl Chloride Pipe
	Radius
	Reinforced Concrete Pipe
	Reference Point
	Range
	Real Time Kinematic
	Right of way line
	Spot Elevation
	Minimum Clearance Vertical
	Total Angle
	Township
	Temporary Benchmark
	Wood fence

SHEET INDEX	
SHEET P-03	General Notes (Survey)
SHEET P-04	Cover Sheet (Survey)
SHEET P-05 & P-06	Table Sheets (Survey)
SHEET P-07 TO P-56	Topographic Survey

MIAMI-DADE

COUNTY

Delivering Excellence Every Day

WATER & SEWER

DEPARTMENT

3071 SW 38TH AVENUE

MIAMI, FL 33146-1520

305-665-7471

www.miamidade.gov/water

A&P

ENGINEERS

CA No.: EB-0007787

8935 NW 39th LANE, SUITE 200

MIAMI, FL 33172

305-592-7283

www.apce.com

PROPOSED SANITARY SEWER SYSTEM ALONG NW 37 AVENUE,
FROM SR 112 to NW 82 STREET.
ER No. S050015, PCTS No. 16073

DRAWING HISTORY

RELEASED FOR	DATE	BY
1 30% SUBMITTAL	5/22/20	AE-ACS
2 90% SUBMITTAL	8/28/20	AE-ACS
3 PERMIT	10/28/20	AE-ACS
4 100% SUBMITTAL	02/24/21	AE-ACS
AS-BUILT		

REVISIONS

No.	DESCRIPTION	DATE	BY
△ Q4/QC		6/19/20	WASD
△ Q4/QC		7/28/20	WASD
△			

APPROVALS

PROJECT MGR:	AE	CHECKED:	PD
DESIGNED:		DRAWN:	AE-ACS
CHIEF ENGINEER:			
SECTION HEAD:			
DESIGN MGR.:			

FR

ALEMAN

FR Aleman & Associates, Inc.

10305 NW 41 Street, Suite 200, Doral, FL 33178

Phone: 305.591.8777

Fax: 305.599.8749 LB: 6785

Lis R. Tolstoy, PSM

State of Florida - License No 6759

FILE NAME:

2972.W04 Topographic Survey

DATE:

2/15/21

SCALE:

NTS

SHEET

P-06

OF

104

DWG. No.

X-XXXXX-D

MIAMI-DADE WATER AND SEWER DEPARTMENT

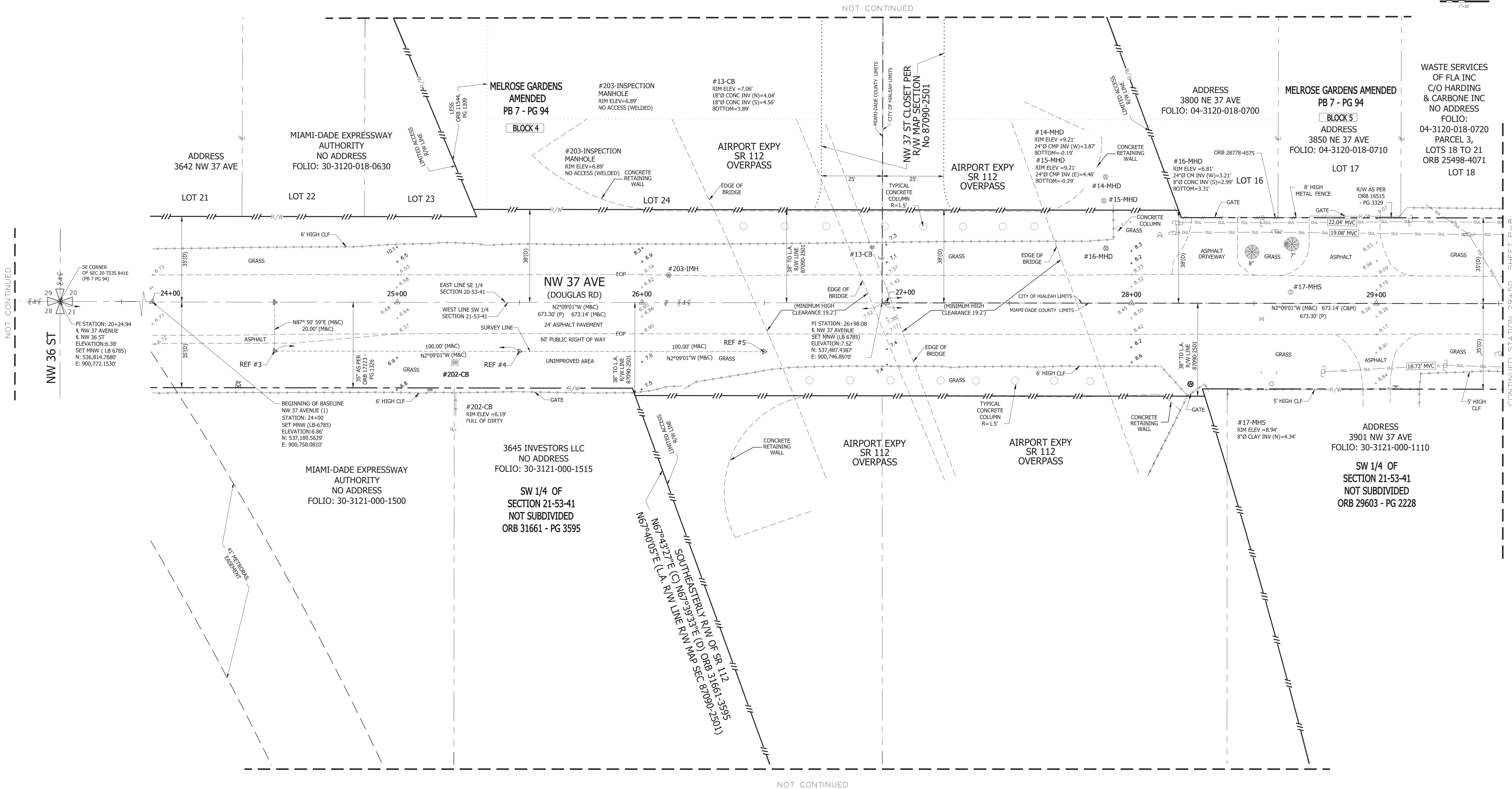
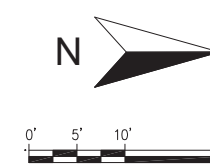
3071 SW 38th AVENUE MIAMI, FLORIDA 33146-1520

TOPOGRAPHIC SURVEY

HIALEAH/MIAMI-DADE
SEC. 20-21-TWP. 53 S. - RGE. 41 E.



CA No.: EB-0007787
8935 NW 38th Lane, Suite 200
Miami, FL 33172
305-592-7283
www.apce.com



PROPOSED SANITARY SEWER SYSTEM ALONG NW 37 AVENUE,
FROM SR 112 TO NW 82 STREET.
ER No. S050015, PCTS No. 16073

TOPOGRAPHIC SURVEY

DRAWING HISTORY			
RELEASED FOR		DATE	BY
30% SUBMITTAL		5/22/20	AE-AC
90% SUBMITTAL		8/28/20	AE-AC
PERMIT		10/28/20	AE-AC
100% SUBMITTAL		02/24/21	AE-AC
AS-BUILT			
REVISIONS			
No.	DESCRIPTION	DATE	BY
1	QA/QC	6/19/20	WASD
2	QA/QC	7/28/20	WASD

APPROVALS		
PROJECT MGR:	AE	CHECKED: PD
DESIGNED:		DRAWN: AE-ACS
CHIEF ENGINEER:		
SECTION HEAD:		
DESIGN MGR.:		

FRILEMAN
FR Aleman & Associates, Inc.
10305 NW 41 Street, Suite 200, Doral, FL 33178
Phone: 305.591.8777
Fax: 305.599.8749 LB: 6785

Lis R. Tolstoy, PSM

State of Florida - License No 6759

FILE NAME: 2972 W04 Topographic Survey

DATE: 2/15/21 SCALE: 1"=20'

SHEET P-07 OF 104

DWG. No. X-XXXXX-D

MIAMI-DADE WATER AND SEWER DEPARTMENT

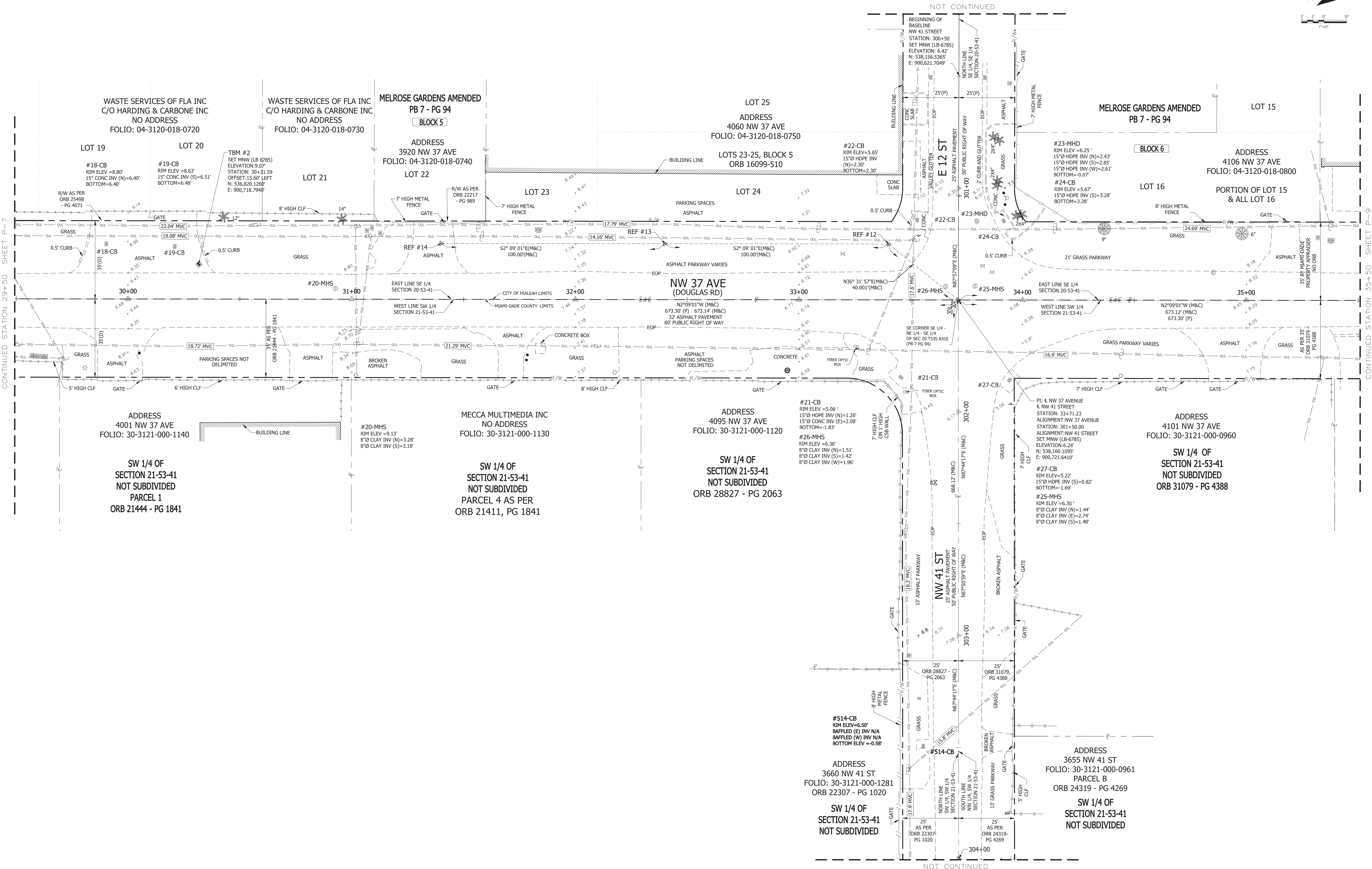
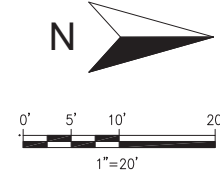
3071 SW 38th AVENUE MIAMI, FLORIDA 33146-1520

TOPOGRAPHIC SURVEY

HIALEAH/MIAMI-DADE
SEC. 20-21-TWP. 53 S. RGE. 41 E.



CA No.: EB-0007797
8935 NW 38th Lane, Suite 200
MIAMI, FL 33172
305-592-7283
www.apce.com



PROPOSED SANITARY SEWER SYSTEM ALONG NW 37 AVENUE,
FROM SR 112 TO NW 82 STREET.
ER No. S050015, PCTS No. 16073

TOPOGRAPHIC SURVEY

DRAWING HISTORY

RELEASED FOR	DATE	BY
1 30% SUBMITTAL	5/22/20	AE-ACS
2 90% SUBMITTAL	8/28/20	AE-ACS
3 PERMIT	10/28/20	AE-ACS
4 100% SUBMITTAL	02/24/21	AE-ACS

REVISIONS

No.	DESCRIPTION	DATE	BY
1	Q/A/Q/C	6/19/20	WASD
2	Q/A/Q/C	7/28/20	WASD

APPROVALS

PROJECT MGR:	AE	CHECKED:	PD
DESIGNED:		DRAWN:	AE-ACS
CHIEF ENGINEER:			
SECTION HEAD:			
DESIGN MGR:			

FRALEMAN
FR Aleman & Associates, Inc.
10305 NW 41 Street, Suite 200, Doral, FL 33178
Phone: 305.591.8777
Fax: 305.599.8749 LB: 6785

Lis R. Tolstoy, PSM

State of Florida - License No 6759

FILE NAME: 2972 W04 Topographic Survey

DATE: 2/15/21 SCALE: 1"=20'

SHEET P-08 OF 104

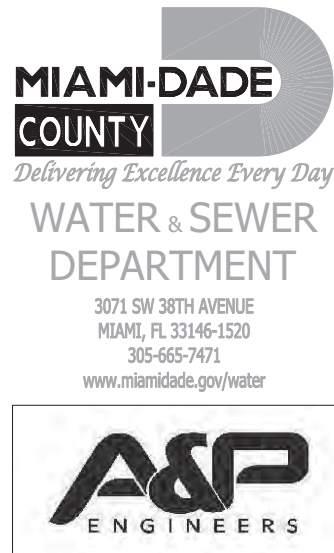
DWG. No. X-XXXX-D

MIAMI-DADE WATER AND SEWER DEPARTMENT

3071 SW 38th AVENUE MIAMI, FLORIDA 33146-1520

TOPOGRAPHIC SURVEY

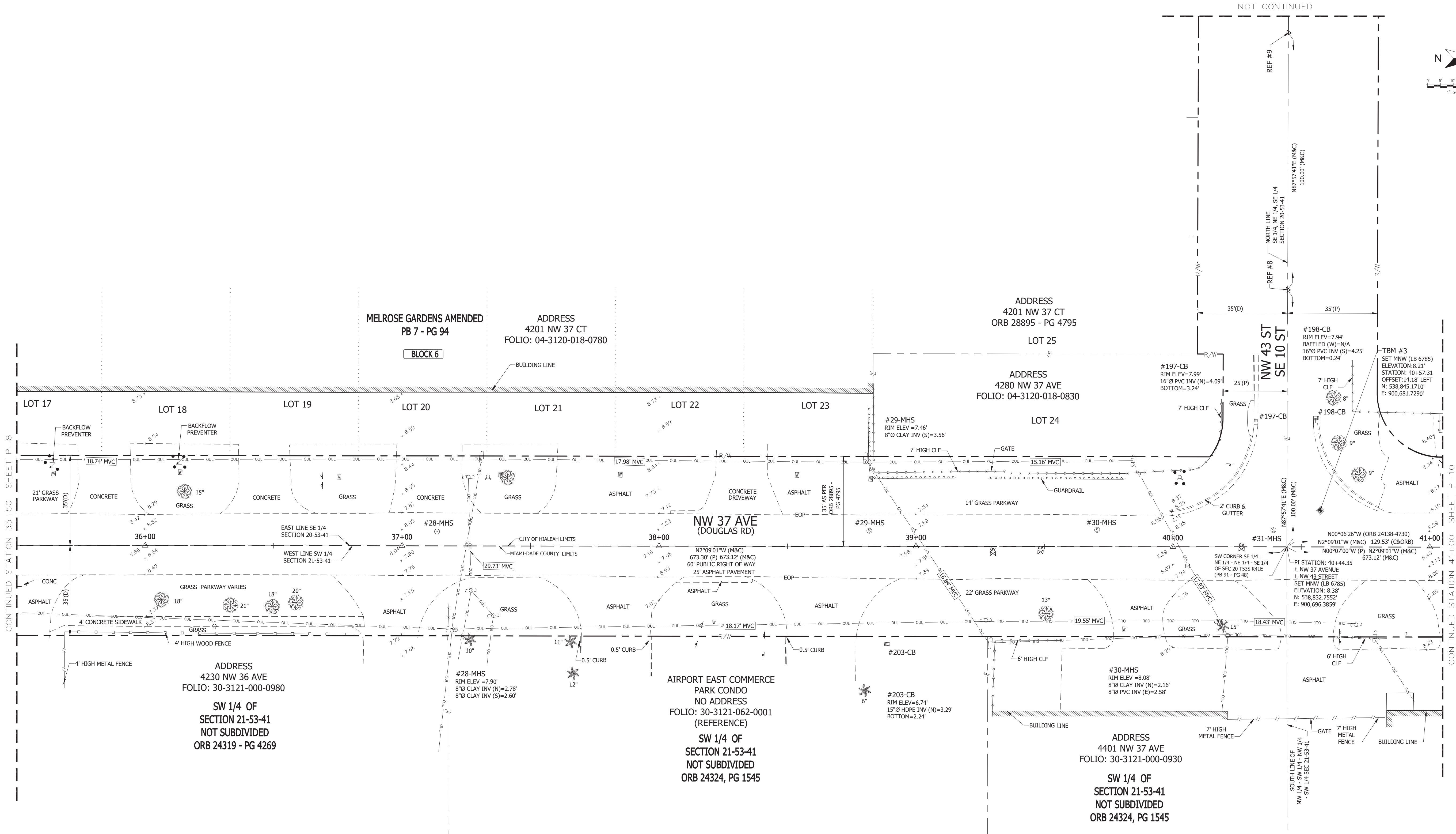
HIALEAH/MIAMI-DADE
SEC. 20-21-TWP. 53-S. -RGE. 41-E.



CA No.: EB-0007797
8935 NW 39th LANE, SUITE 200
MIAMI, FL 33172
305-592-7283
www.apce.com

PROPOSED SANITARY SEWER SYSTEM ALONG NW 37 AVENUE,
FROM SR 112 TO NW 82 STREET.
ER No. S050015, PCTS No. 16073

TOPOGRAPHIC SURVEY



DRAWING HISTORY

RELEASED FOR	DATE	BY
1 30% SUBMITTAL	5/22/20	AE-ACS
2 90% SUBMITTAL	8/28/20	AE-ACS
3 PERMIT	10/28/20	AE-ACS
4 100% SUBMITTAL	02/24/21	AE-ACS

REVISIONS

No.	DESCRIPTION	DATE	BY
1	QAO/C	6/19/20	WASD
2	QAO/C	7/28/20	WASD
3			
4			

APPROVALS

PROJECT MGR:	AE	CHECKED:	PD
DESIGNED:		DRAWN:	AE-ACS
CHIEF ENGINEER:			
SECTION HEAD:			
DESIGN MGR.:			

FRILEMAN

FR Aleman & Associates, Inc.
10305 NW 41 Street, Suite 200, Doral, FL 33178
Phone: 305.591.8777
Fax: 305.599.8749 LB: 6785

Lis R. Tolstoy, PSM

State of Florida - License No 6759

FILE NAME: 2972 W04 Topographic Survey

DATE: 2/15/21 SCALE: 1"=20'

SHEET P-09 OF 104

DWG. No. X-XXXX-D

MIAMI-DADE WATER AND SEWER DEPARTMENT

3071 SW 38th AVENUE MIAMI, FLORIDA 33146-1520

TOPOGRAPHIC SURVEY

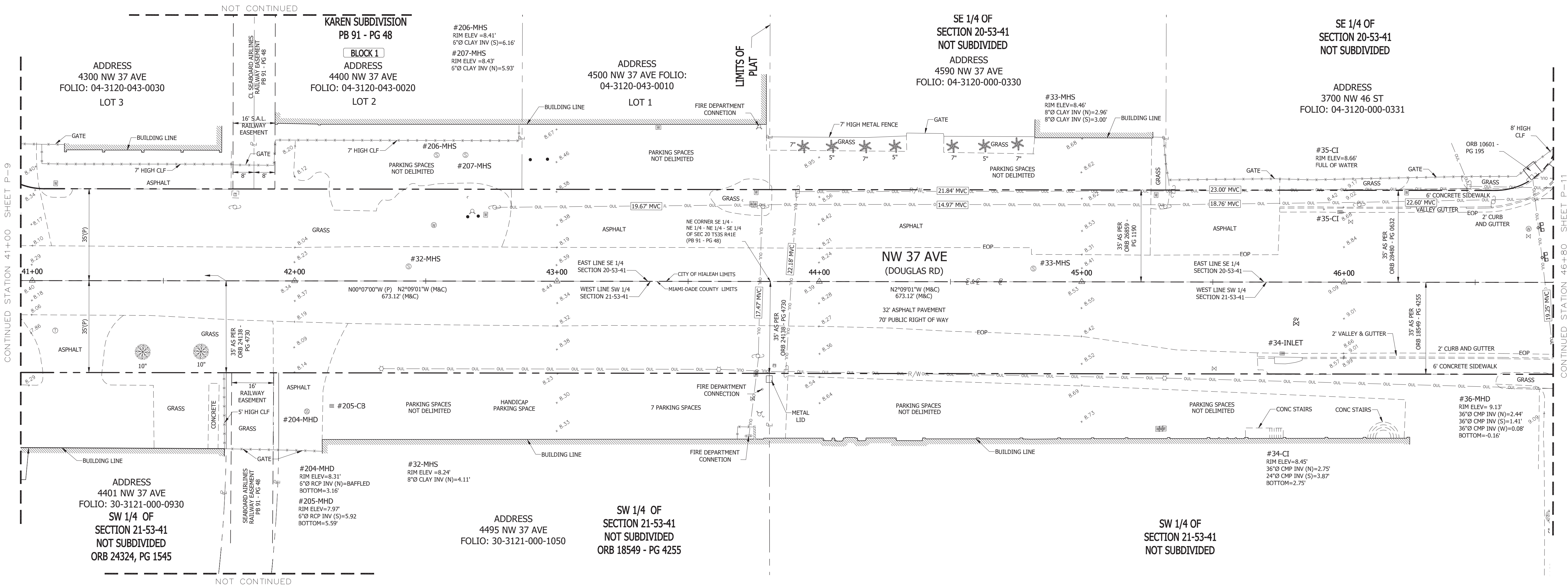
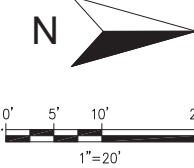
HIALEAH/MIAMI-DADE
SEC. 20-21-TWP. 53S - RGE. 41E



CA No.: EB-0007787
8935 NW 39th LANE, SUITE 200
MIAMI, FL 33172
305-592-7283
www.apce.com

PROPOSED SANITARY SEWER SYSTEM ALONG NW 37 AVENUE,
FROM SR 112 TO NW 82 STREET.
ER No. S050015, PCTS No. 16073

TOPOGRAPHIC SURVEY



DRAWING HISTORY

RELEASED FOR	DATE	BY
1 30% SUBMITTAL	5/22/20	AE-ACS
2 90% SUBMITTAL	8/28/20	AE-ACS
3 PERMIT	10/28/20	AE-ACS
4 100% SUBMITTAL	02/24/21	AE-ACS

REVISIONS

No.	DESCRIPTION	DATE	BY
1	Q/A/Q/C	6/19/20	WASD
2	Q/A/Q/C	7/28/20	WASD

APPROVALS

PROJECT MGR:	AE	CHECKED:	PD
DESIGNED:		DRAWN:	AE-ACS
CHIEF ENGINEER:			
SECTION HEAD:			
DESIGN MGR.:			

FRILEMAN

FR Aleman & Associates, Inc.
10305 NW 41 Street, Suite 200, Doral, FL 33178
Phone: 305.591.8777
Fax: 305.599.8749 LB: 6785

Lis R. Tolstoy, PSM

State of Florida - License No 6759

FILE NAME: 2972 W04 Topographic Survey

DATE: 2/15/21 SCALE: 1"=20'

SHEET P-10 OF 104

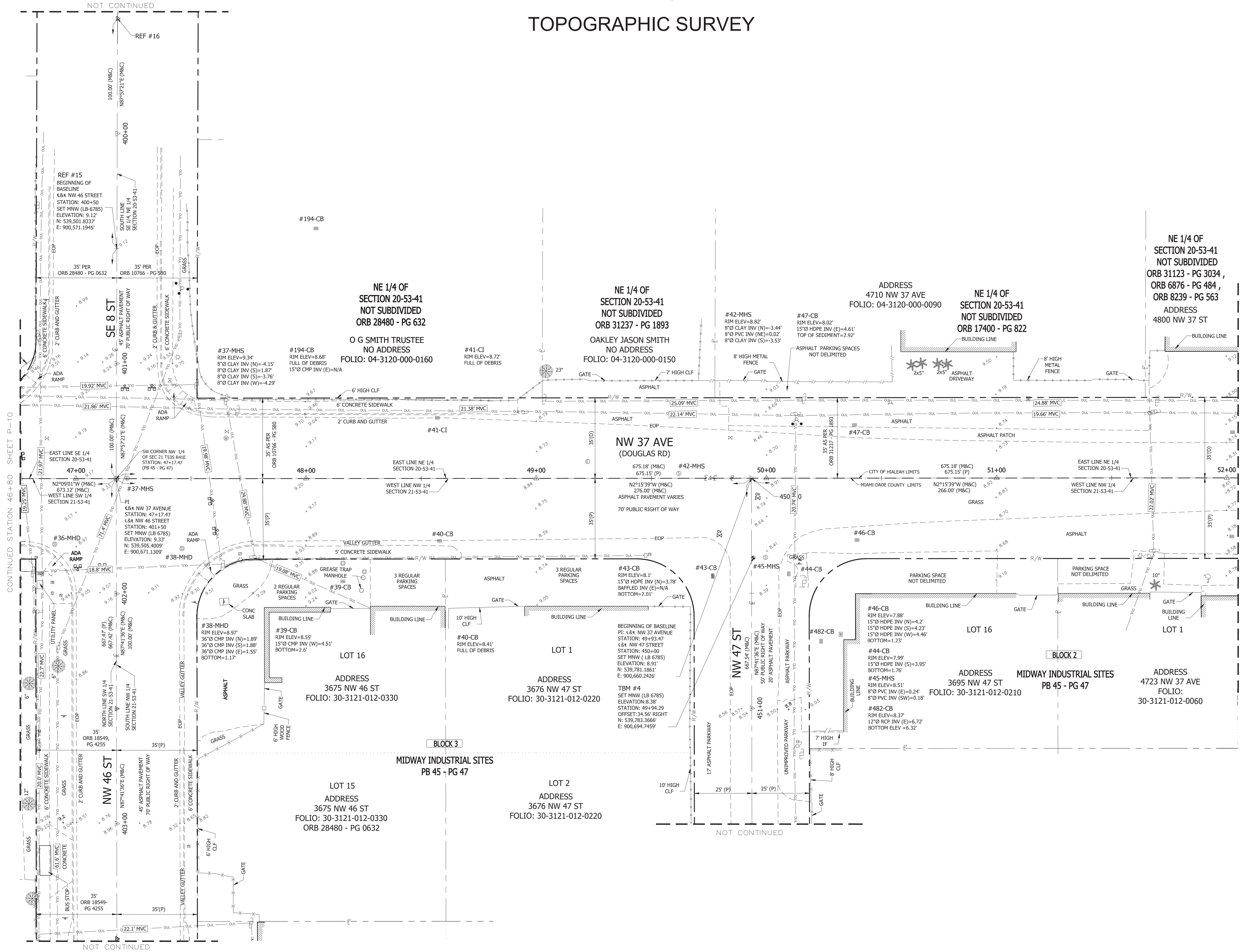
DWG. No. X-XXXXX-D

MIAMI-DADE WATER AND SEWER DEPARTMENT

3071 SW 38th AVENUE MIAMI, FLORIDA 33146-1520

TOPOGRAPHIC SURVEY

HIALEAH/MIAMI-DADE
SEC. 20-21-TWP. 53 S. - RGE. 41 E.



CA No.: EB-0007787
8935 NW 38th Lane, Suite 200
Miami, FL 33172
305-592-7283
www.apce.com

PROPOSED SANITARY SEWER SYSTEM ALONG NW 37 AVENUE,
FROM SR 112 TO NW 82 STREET.
ER No. S050015, PCTS No. 16073

TOPOGRAPHIC SURVEY

DRAWING HISTORY

RELEASED FOR	DATE	BY
1 30% SUBMITTAL	5/22/20	AE-ACS
2 90% SUBMITTAL	8/28/20	AE-ACS
3 PERMIT	10/28/20	AE-ACS
4 100% SUBMITTAL	02/24/21	AE-ACS

REVISIONS

No.	DESCRIPTION	DATE	BY
1	QA/QC	6/19/20	WASD
2	QA/QC	7/28/20	WASD

APPROVALS

PROJECT MGR:	AE	CHECKED:	PD
DESIGNED:		DRAWN:	AE-ACS
CHIEF ENGINEER:			
SECTION HEAD:			
DESIGN MGR.:			

FRILEMAN
FR Aleman & Associates, Inc.
10305 NW 41 Street, Suite 200, Doral, FL 33178
Phone: 305.591.8777
Fax: 305.599.8749 LB: 6785

Lis R. Tolstoy, PSM

State of Florida - License No. 6759

FILE NAME: 2972 W04 Topographic Survey

DATE: 2/15/21 SCALE: 1"=20'

SHEET P-11 OF 104

DWG. No. X-XXXXX-D

MIAMI-DADE WATER AND SEWER DEPARTMENT

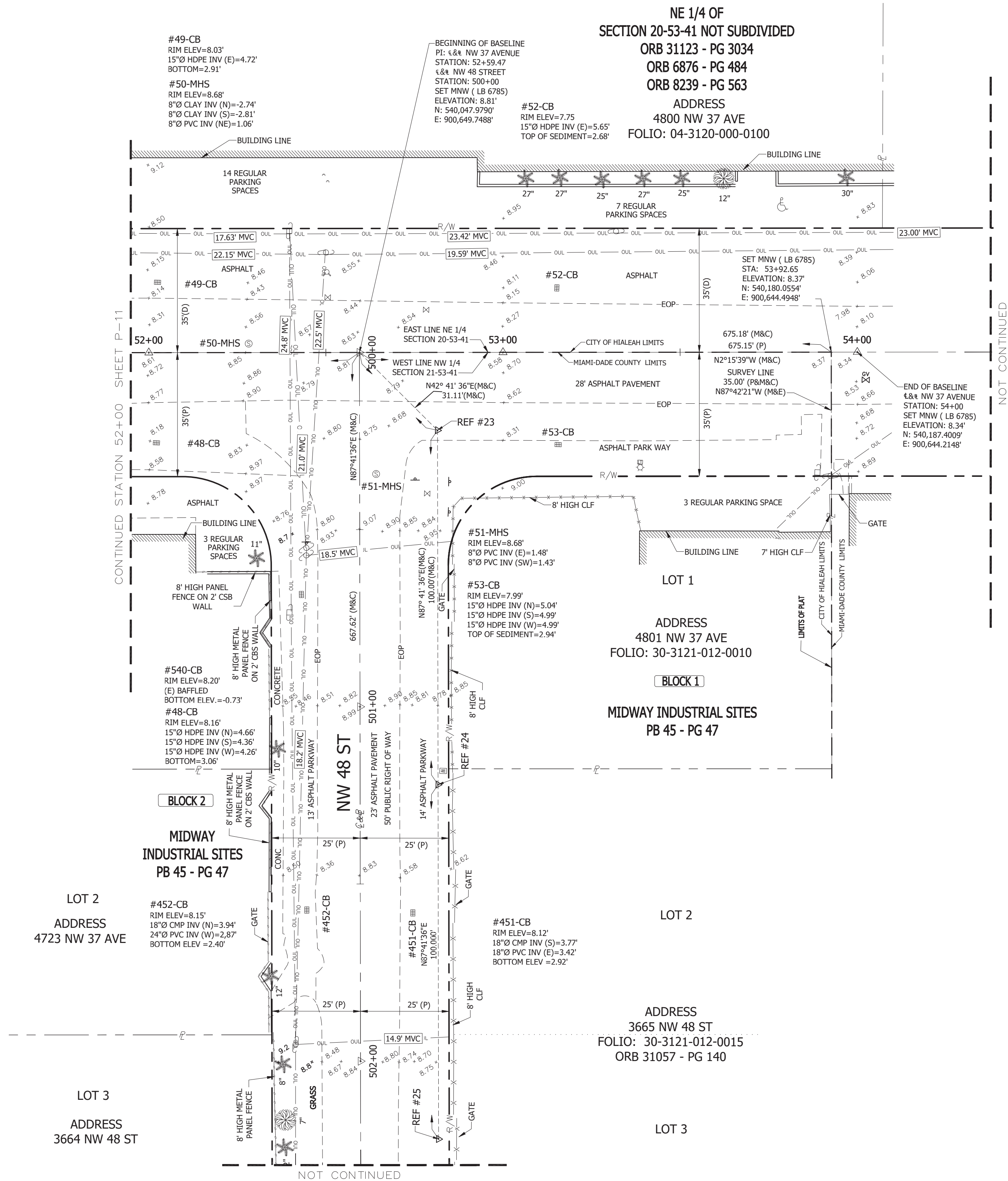
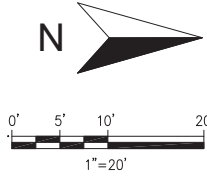
3071 SW 38th AVENUE MIAMI, FLORIDA 33146-1520

TOPOGRAPHIC SURVEY

HIALEAH CITY OF MIAMI
MIAMI-DADE
SEC. 20-21-TWP. 53 S. - RGE. 41 E.



CA No.: EB-0007787
8935 NW 38th LANE, SUITE 200
MIAMI, FL 33172
305-592-7283
www.apce.com



PROPOSED SANITARY SEWER SYSTEM ALONG NW 37 AVENUE,
FROM SR 112 TO NW 82 STREET.
ER No. S050015, PCTS No. 16073

TOPOGRAPHIC SURVEY

DRAWING HISTORY

RELEASED FOR	DATE	BY
1 30% SUBMITTAL	5/22/20	AE-ACS
2 90% SUBMITTAL	8/28/20	AE-ACS
3 PERMIT	10/28/20	AE-ACS
4 100% SUBMITTAL	02/24/21	AE-ACS

AS-BUILT

REVISIONS

No.	DESCRIPTION	DATE	BY
1	QA/QC	6/19/20	WASD
2	QA/QC	7/28/20	WASD

APPROVALS

PROJECT MGR:	AE	CHECKED:	PD
DESIGNED:		DRAWN:	AE-ACS
CHIEF ENGINEER:			
SECTION HEAD:			
DESIGN MGR.:			

FRILEMAN

FR Aleman & Associates, Inc.
10305 NW 41 Street, Suite 200, Doral, FL 33178
Phone: 305.591.8777
Fax: 305.599.8749 LB: 6785

Lis R. Tolstoy, PSM

State of Florida - License No 6759

FILE NAME: 2972 W04 Topographic Survey

DATE: 2/15/21 SCALE: 1"=20'

SHEET P-12 OF 104

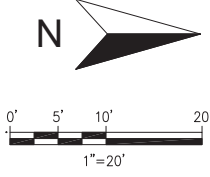
DWG. No. X-XXXXX-D

MIAMI-DADE WATER AND SEWER DEPARTMENT

3071 SW 38th AVENUE MIAMI, FLORIDA 33146-1520

TOPOGRAPHIC SURVEY

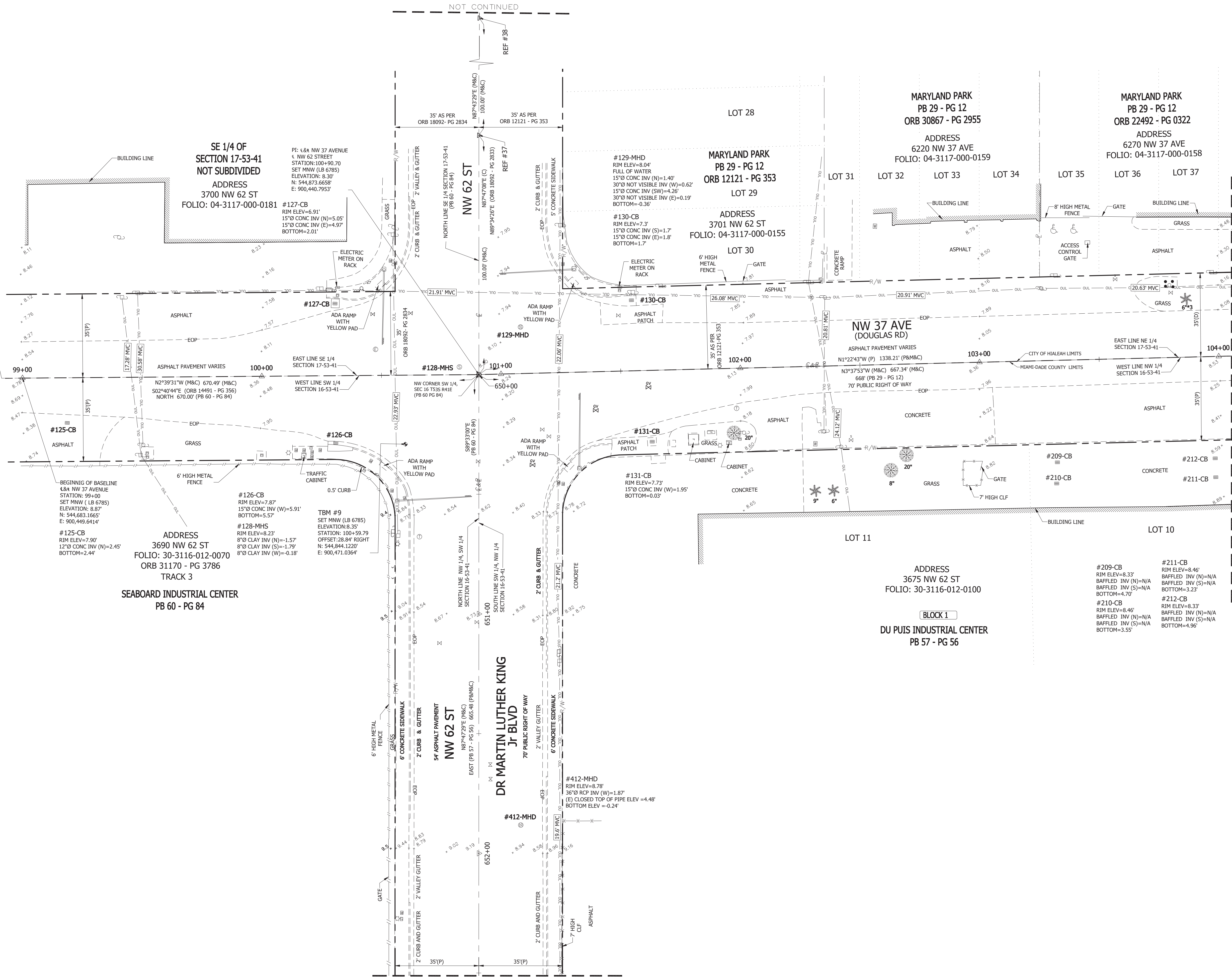
NOT CONTINUED



HIALEAH/MIAMI-DADE
SEC. 16, 17-TWP. 53 S. - RGE. 41 E.

NOT CONTINUED

CONTINUED STATION 104+00 SHEET P-14



CA No.: EB-0007797
8935 NW 38th Lane, Suite 200
Miami, FL 33172
305-592-7283
www.apce.com

PROPOSED SANITARY SEWER SYSTEM ALONG NW 37 AVENUE,
FROM SR 112 TO NW 82 STREET.
ER No. S050015, PCTS No. 16073

TOPOGRAPHIC SURVEY

DRAWING HISTORY

RELEASED FOR	DATE	BY
1 30% SUBMITTAL	5/22/20	AE-ACS
2 90% SUBMITTAL	8/28/20	AE-ACS
3 PERMIT	10/28/20	AE-ACS
4 100% SUBMITTAL	02/24/21	AE-ACS

REVISIONS

No.	DESCRIPTION	DATE	BY
1	QA/QC	6/19/20	WASD
2	QA/QC	7/28/20	WASD

APPROVALS

PROJECT MGR:	AE	CHECKED:	PD
DESIGNED:		DRAWN:	AE-ACS
CHIEF ENGINEER:			
SECTION HEAD:			
DESIGN MGR.:			

FRILEMAN

FR Aleman & Associates, Inc.
10305 NW 41 Street, Suite 200, Doral, FL 33178
Phone: 305.591.8777
Fax: 305.599.8749 LB: 6785

Lis R. Tolstoy, PSM

State of Florida - License No 6759

FILE NAME: 2972 W04 Topographic Survey

DATE: 2/15/21 SCALE: 1" = 20'

SHEET P-13 OF 104

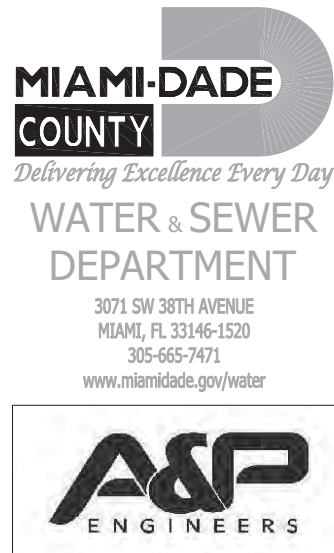
DWG. No. X-XXXXX-D

MIAMI-DADE WATER AND SEWER DEPARTMENT

3071 SW 38th AVENUE MIAMI, FLORIDA 33146-1520

TOPOGRAPHIC SURVEY

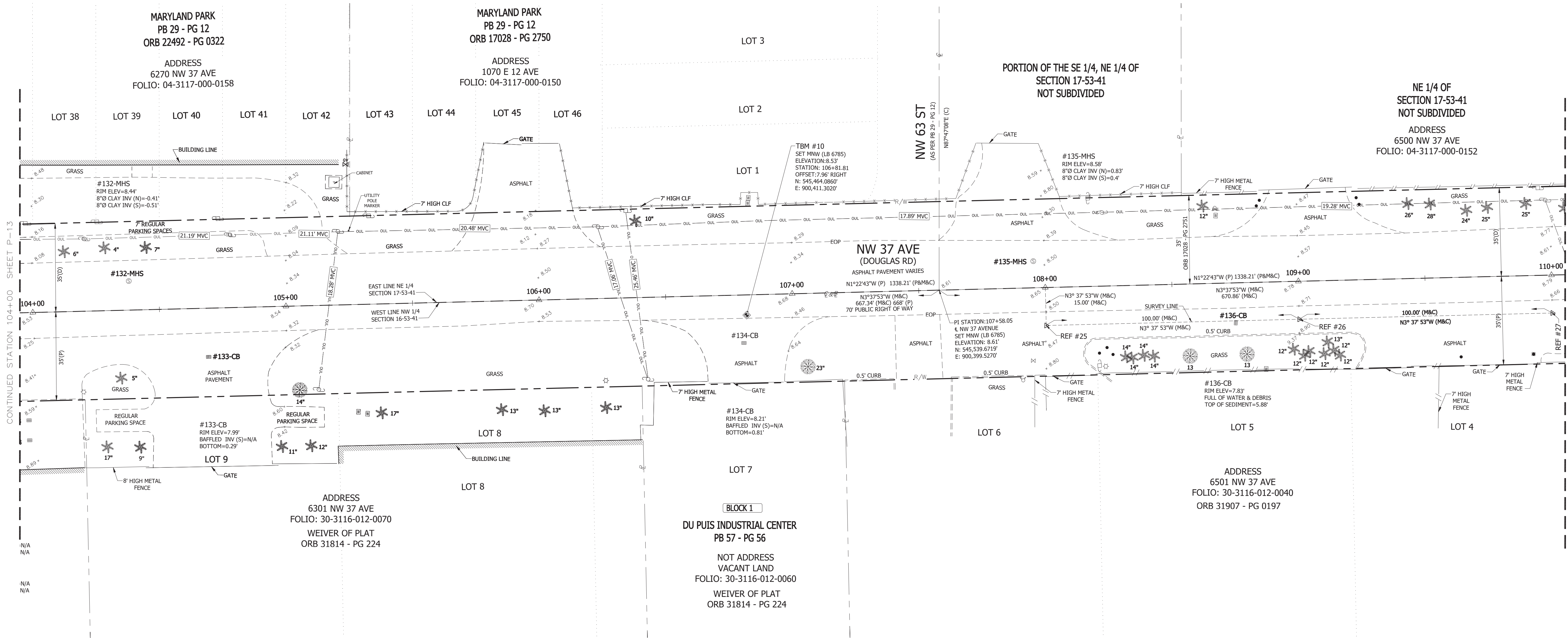
HIALEAH/MIAMI-DADE
SEC. 16, 17-TWP. 55 S. - RGE. 41 E.



CA No.: EB-0007787
8935 NW 38th LANE, SUITE 200
MIAMI, FL 33172
305-592-7283
www.apce.com

PROPOSED SANITARY SEWER SYSTEM ALONG NW 37 AVENUE,
FROM SR 112 to NW 82 STREET.
ER No. S050015, PCTS No. 16073

TOPOGRAPHIC SURVEY



DRAWING HISTORY

RELEASED FOR	DATE	BY
1 30% SUBMITTAL	5/22/20	AE-ACS
2 90% SUBMITTAL	8/28/20	AE-ACS
3 PERMIT	10/28/20	AE-ACS
4 100% SUBMITTAL	02/24/21	AE-ACS

REVISIONS

No.	DESCRIPTION	DATE	BY
1	Q4/QC	6/19/20	WASD
2	Q4/QC	7/28/20	WASD

APPROVALS

PROJECT MGR:	AE	CHECKED:	PD
DESIGNED:		DRAWN:	AE-ACS

CHIEF ENGINEER:

SECTION HEAD:

DESIGN MGR.:

FRILEMAN

FR Aleman & Associates, Inc.
10305 NW 41 Street, Suite 200, Doral, FL 33178
Phone: 305.591.8777
Fax: 305.599.8749 LB: 6785

Lis R. Tolstoy, PSM

State of Florida - License No 6759

FILE NAME: 2972 W04 Topographic Survey

DATE: 2/15/21 SCALE: 1" = 20'

SHEET P-14 OF 104

DWG. No. X-XXXX-D

MIAMI-DADE WATER AND SEWER DEPARTMENT

3071 SW 38th AVENUE MIAMI, FLORIDA 33146-1520

TOPOGRAPHIC SURVEY

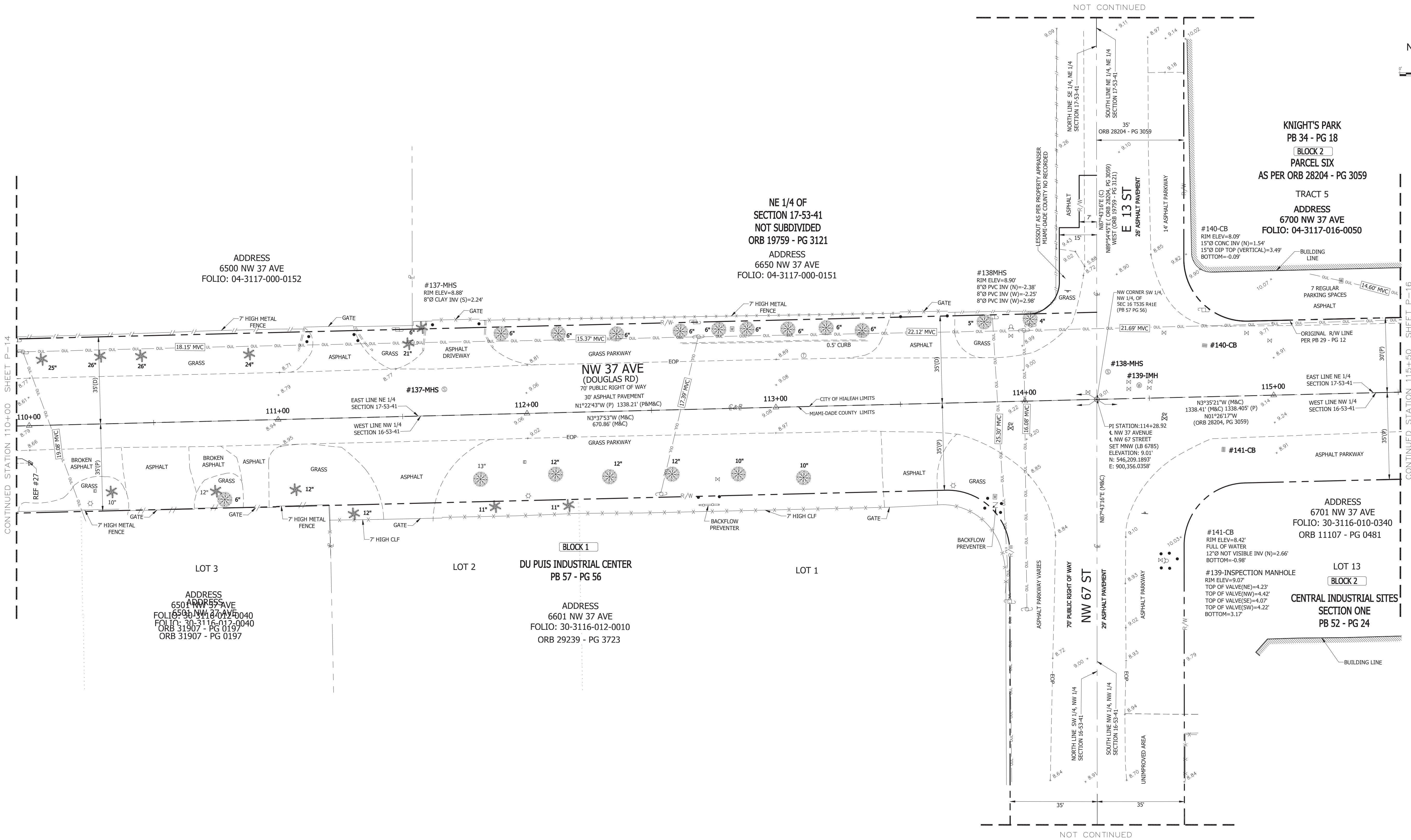
HIALEAH/MIAMI-DADE
SEC. 16, 17-TWP. 55 S. - RGE. 41 E.



CA No.: EB-0007787
8935 NW 38th Avenue, Suite 200
Miami, FL 33172
305-592-7283
www.apce.com

PROPOSED SANITARY SEWER SYSTEM ALONG NW 37 AVENUE,
FROM SR 112 TO NW 82 STREET.
ER No. S050015, PCTS No. 16073

TOPOGRAPHIC SURVEY



DRAWING HISTORY

RELEASED FOR	DATE	BY
1 30% SUBMITTAL	5/22/20	AE-ACS
2 90% SUBMITTAL	8/28/20	AE-ACS
3 PERMIT	10/28/20	AE-ACS
4 100% SUBMITTAL	02/24/21	AE-ACS

REVISIONS

No.	DESCRIPTION	DATE	BY
1	Q/A/Q/C	6/19/20	WASD
2	Q/A/Q/C	7/28/20	WASD

APPROVALS

PROJECT MGR:	AE	CHECKED:	PD
DESIGNED:		DRAWN:	AE-ACS
CHIEF ENGINEER:			
SECTION HEAD:			
DESIGN MGR.:			

FRILEMAN

FR Aleman & Associates, Inc.
10305 NW 41 Street, Suite 200, Doral, FL 33178
Phone: 305.591.8777
Fax: 305.599.8749 LB: 6785

Lis R. Tolstoy, PSM

State of Florida - License No 6759

FILE NAME: 2972 W04 Topographic Survey

DATE: 2/15/21 SCALE: 1" = 20'

SHEET P-15 OF 104

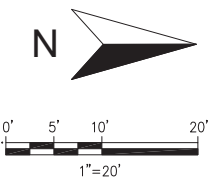
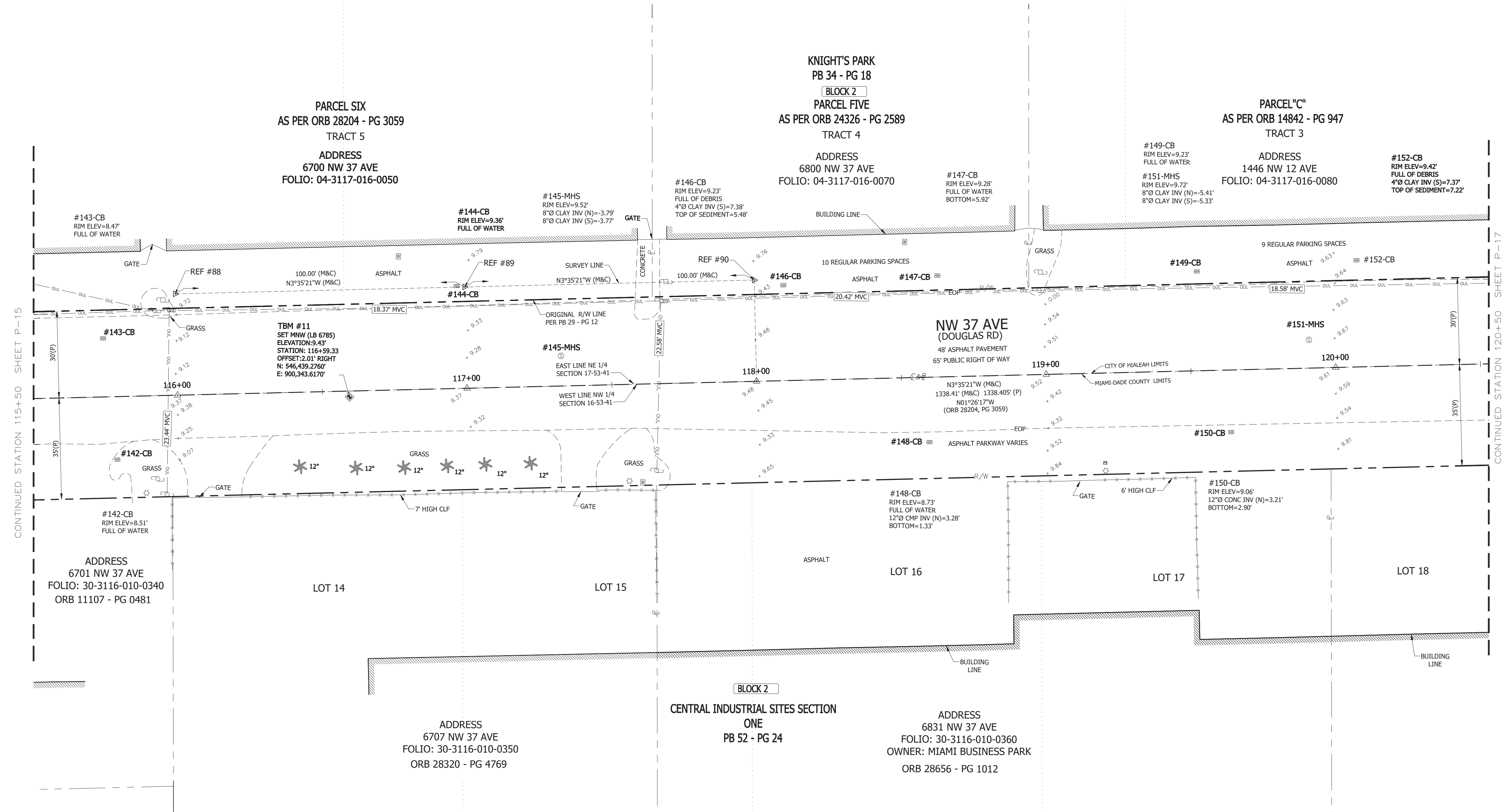
DWG. No. X-XXXXX-D

MIAMI-DADE WATER AND SEWER DEPARTMENT

3071 SW 38th AVENUE MIAMI, FLORIDA 33146-1520

TOPOGRAPHIC SURVEY

HIALEAH/MIAMI-DADE
SEC. 16, 17-TWP. 55 S. - RGE. 41 E.



PROPOSED SANITARY SEWER SYSTEM ALONG NW 37 AVENUE,
FROM SR 112 TO NW 82 STREET.
ER No. S050015, PCTS No. 16073

TOPOGRAPHIC SURVEY

DRAWING HISTORY

RELEASED FOR	DATE	BY
1 30% SUBMITTAL	5/22/20	AE-ACS
2 90% SUBMITTAL	8/28/20	AE-ACS
3 PERMIT	10/28/20	AE-ACS
4 100% SUBMITTAL	02/24/21	AE-ACS
AS-BUILT		

REVISIONS

No.	DESCRIPTION	DATE	BY
1	QA/QC	6/19/20	WASD
2	QA/QC	7/28/20	WASD
3			

APPROVALS

PROJECT MGR:	AE	CHECKED:	PD
DESIGNED:		DRAWN:	AE-ACS
CHIEF ENGINEER:			
SECTION HEAD:			
DESIGN MGR.:			

FRILEMAN
FR Aleman & Associates, Inc.
10305 NW 41 Street, Suite 200, Doral, FL 33178
Phone: 305.591.8777
Fax: 305.599.8749 LB: 6785

Lis R. Tolstoy, PSM

State of Florida - License No 6759

FILE NAME: 2972 WD4 Topographic Survey

DATE: 2/15/21 SCALE: 1" = 20'

SHEET P-16 OF 104

DWG. No. X-XXXX-D

MIAMI-DADE WATER AND SEWER DEPARTMENT

3071 SW 38th AVENUE MIAMI, FLORIDA 33146-1520

TOPOGRAPHIC SURVEY

HIALEAH/MIAMI-DADE
SEC. 16, 17-TWP. 35 S. - RGE. 41 E.



WATER & SEWER
DEPARTMENT

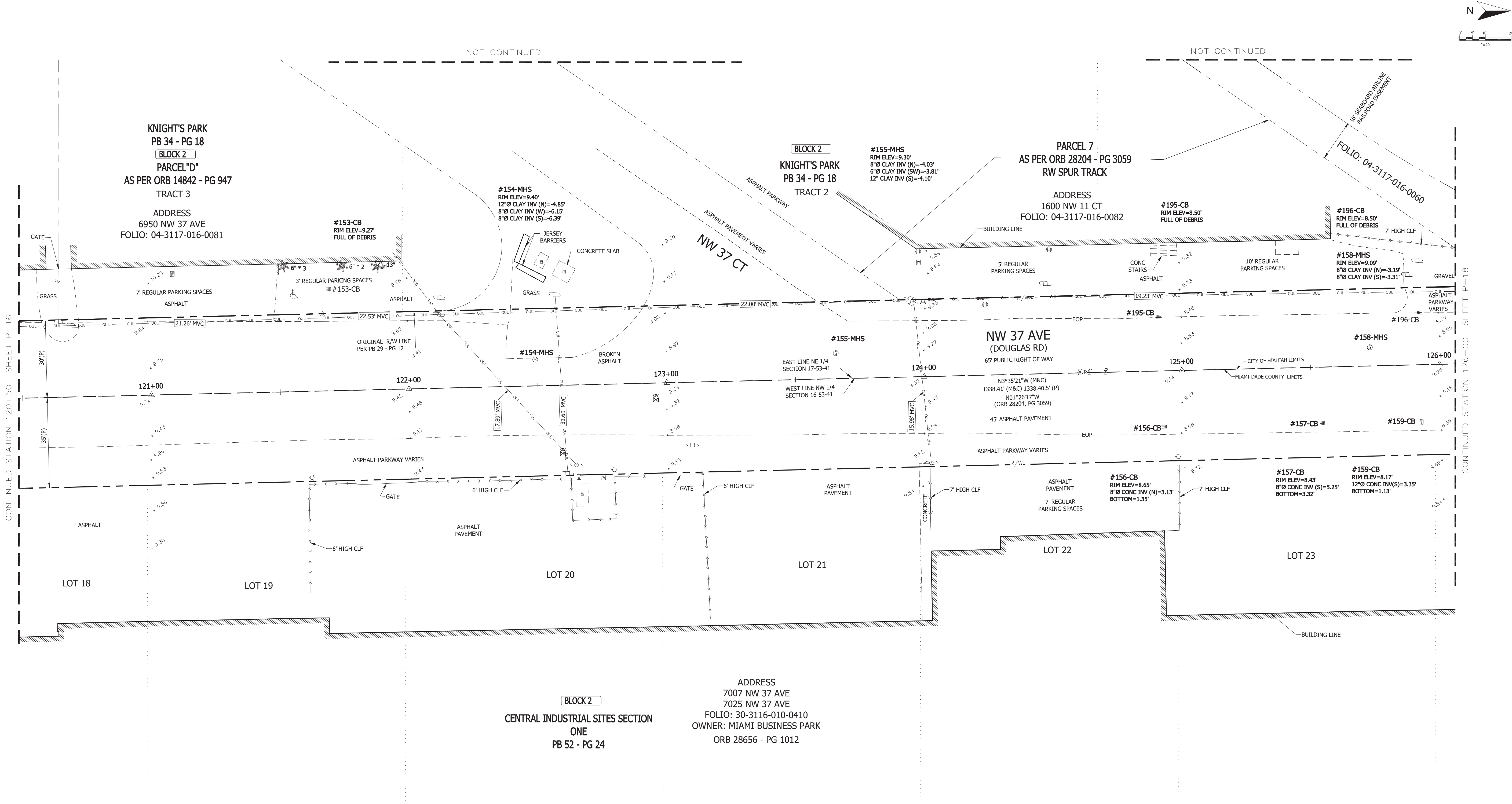
3071 SW 38TH AVENUE
MIAMI, FL 33146-1520
305-665-7471
www.miamidade.gov/water



CA No.: EB-0007787
8935 NW 39th LANE, SUITE 200
MIAMI, FL 33172
305-592-7283
www.apce.com

PROPOSED SANITARY SEWER SYSTEM ALONG NW 37 AVENUE,
FROM SR 112 TO NW 82 STREET.
ER No. S050015, PCTS No. 16073

TOPOGRAPHIC SURVEY



DRAWING HISTORY

RELEASED FOR	DATE	BY
1 30% SUBMITTAL	5/22/20	AE-ACS
2 90% SUBMITTAL	8/28/20	AE-ACS
3 PERMIT	10/28/20	AE-ACS
4 100% SUBMITTAL	02/24/21	AE-ACS

AS-BUILT

REVISIONS

No.	DESCRIPTION	DATE	BY
1	Q/A/Q/C	6/19/20	WASD
2	Q/A/Q/C	7/28/20	WASD

APPROVALS

PROJECT MGR:	AE	CHECKED:	PD
DESIGNED:		DRAWN:	AE-ACS
CHIEF ENGINEER:			
SECTION HEAD:			
DESIGN MGR.:			

FRILEMAN

FR Aleman & Associates, Inc.
10305 NW 41 Street, Suite 200, Doral, FL 33178
Phone: 305.591.8777
Fax: 305.599.8749 LB: 6785

Lis R. Tolstoy, PSM

State of Florida - License No 6759

FILE NAME: 2972 W04 Topographic Survey

DATE: 2/15/21 SCALE: 1" = 20'

SHEET P-17 OF 104

DWG. No. X-XXXXX-D

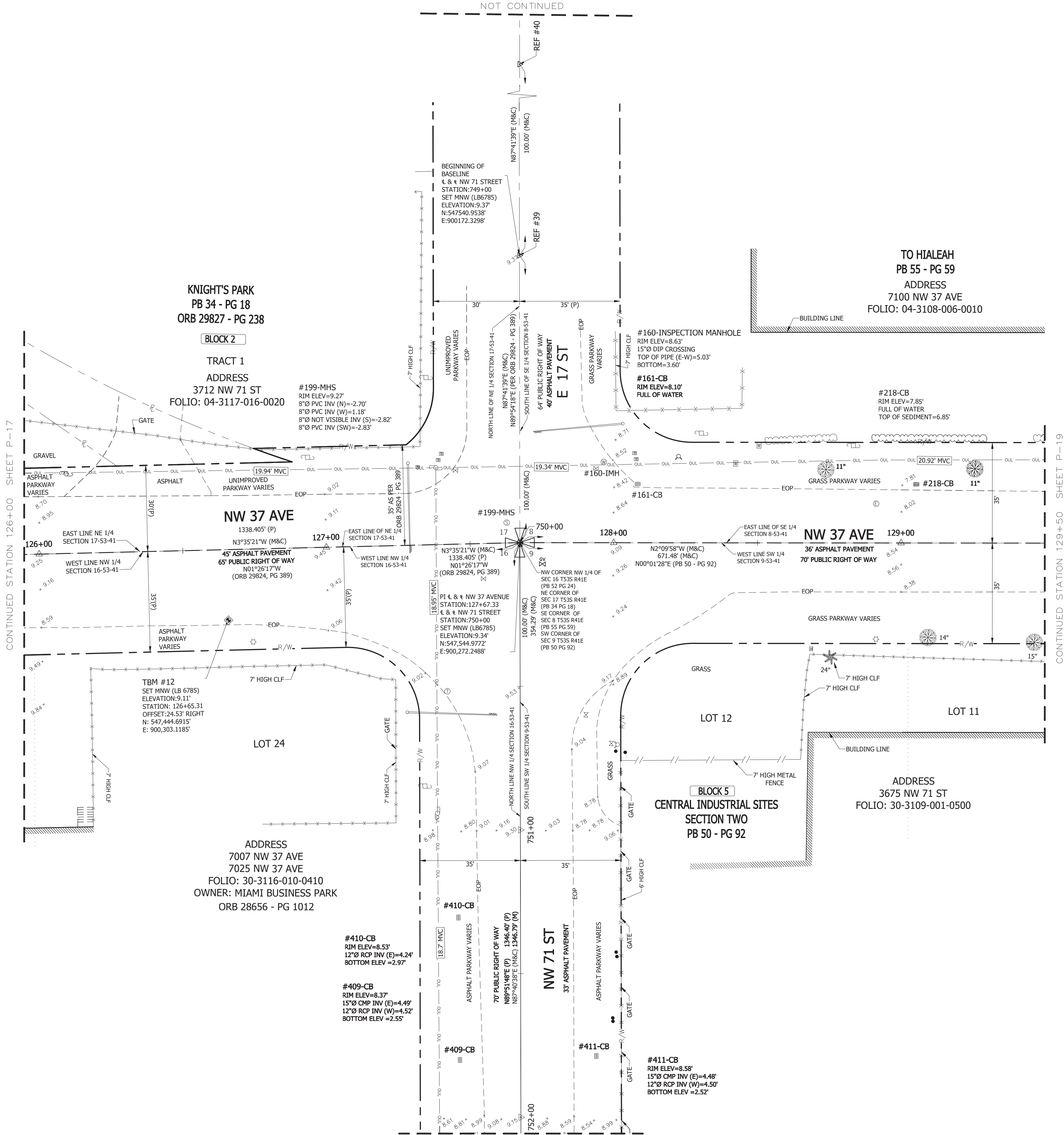
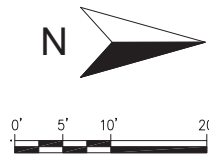
MIAMI-DADE WATER AND SEWER DEPARTMENT

3071 SW 38th AVENUE MIAMI, FLORIDA 33146-1520

TOPOGRAPHIC SURVEY

NOT CONTINUED

NOT CONTINUED



HIALEAH/MIAMI-DADE
SEC. 16, 17, 19, 8-TWP. 53 S. - RGE. 41 E.



CA No.: EB-0007787
8935 NW 38th Lane, Suite 200
MIAMI, FL 33172
305-592-7283
www.apce.com

PROPOSED SANITARY SEWER SYSTEM ALONG NW 37 AVENUE,
FROM SR 112 TO NW 82 STREET.
ER No. S050015, PCTS No. 16073

TOPOGRAPHIC SURVEY

DRAWING HISTORY

RELEASED FOR	DATE	BY
1 30% SUBMITTAL	5/22/20	AE-ACS
2 90% SUBMITTAL	8/28/20	AE-ACS
3 PERMIT	10/28/20	AE-ACS
4 100% SUBMITTAL	02/24/21	AE-ACS
AS-BUILT		

REVISIONS

No.	DESCRIPTION	DATE	BY
1 Q4/QC		6/19/20	WASD
2 Q4/QC		7/28/20	WASD
3			

APPROVALS

PROJECT MGR:	AE	CHECKED:	PD
DESIGNED:		DRAWN:	AE-ACS
CHIEF ENGINEER:			
SECTION HEAD:			
DESIGN MGR.:			

FRILEMAN
FR Aleman & Associates, Inc.
10305 NW 41 Street, Suite 200, Doral, FL 33178
Phone: 305.591.8777
Fax: 305.599.8749 LB: 6785

Lis R. Tolstoy, PSM

State of Florida - License No 6759

FILE NAME: 2972 W04 Topographic Survey

DATE: 2/15/21 SCALE: 1" = 20'

SHEET P-18 OF 104

DWG. No. X-XXXX-D

MIAMI-DADE WATER AND SEWER DEPARTMENT

3071 SW 38th AVENUE MIAMI, FLORIDA 33146-1520

TOPOGRAPHIC SURVEY

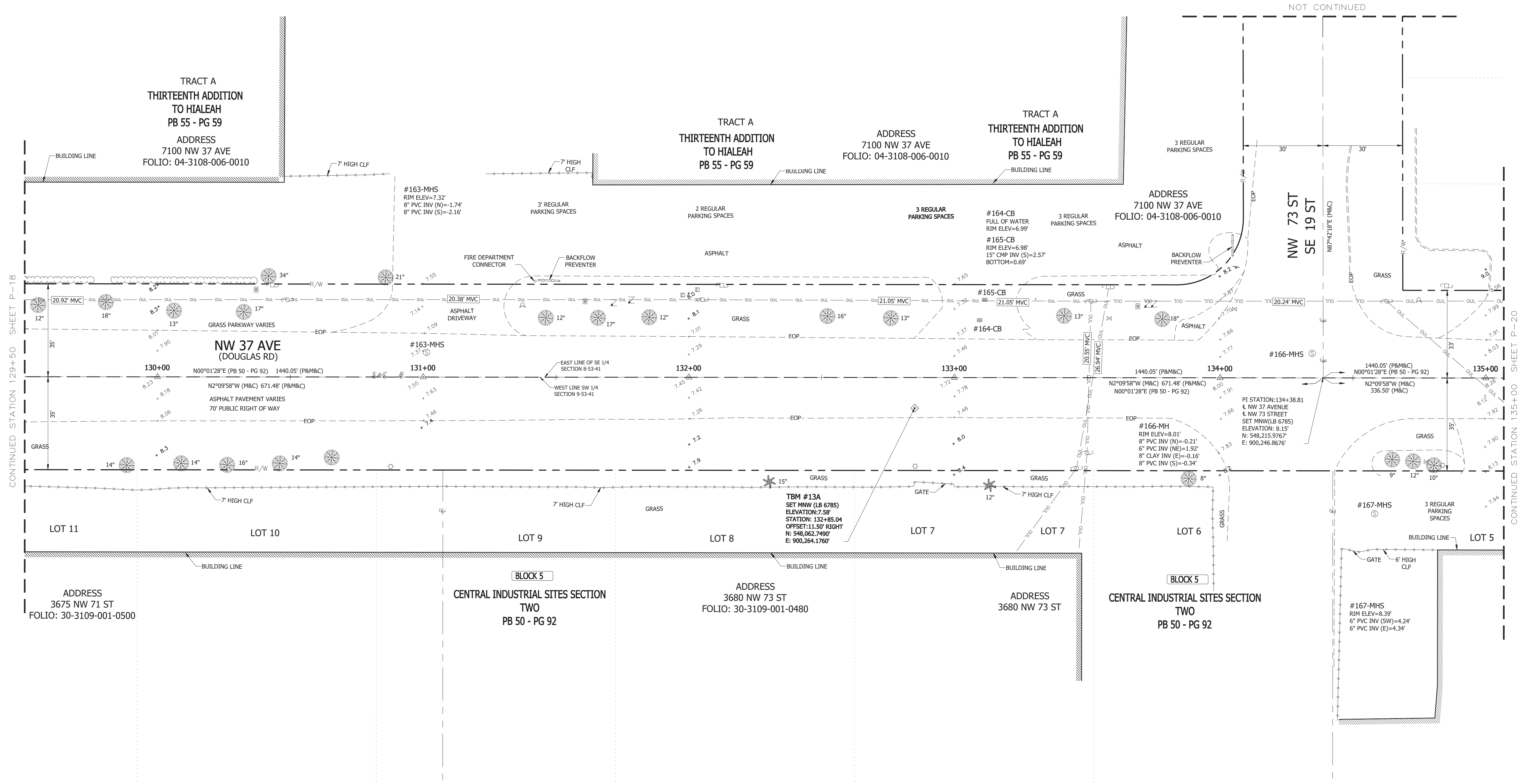
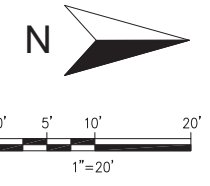
HIALEAH/MIAMI-DADE
SEC. 16, 17-TWP. 55 S. - RGE. 41 E.



CA No.: EB-0007787
8935 NW 39th LANE, SUITE 200
MIAMI, FL 33172
305-592-7283
www.apce.com

PROPOSED SANITARY SEWER SYSTEM ALONG NW 37 AVENUE,
FROM SR 112 TO NW 82 STREET.
ER No. S050015, PCTS No. 16073

TOPOGRAPHIC SURVEY



DRAWING HISTORY

RELEASED FOR	DATE	BY
1 30% SUBMITTAL	5/22/20	AE-ACS
2 90% SUBMITTAL	8/28/20	AE-ACS
3 PERMIT	10/28/20	AE-ACS
4 100% SUBMITTAL	02/24/21	AE-ACS

REVISIONS

No.	DESCRIPTION	DATE	BY
1	Q/A/Q/C	6/19/20	WASD
2	Q/A/Q/C	7/28/20	WASD

APPROVALS

PROJECT MGR:	AE	CHECKED:	PD
DESIGNED:		DRAWN:	AE-ACS
CHIEF ENGINEER:			
SECTION HEAD:			
DESIGN MGR.:			

FRILEMAN

FR Aleman & Associates, Inc.
10305 NW 41 Street, Suite 200, Doral, FL 33178
Phone: 305.591.8777
Fax: 305.599.8749 LB: 6785

Lis R. Tolstoy, PSM

State of Florida - License No 6759

FILE NAME: 2972 W04 Topographic Survey

DATE: 2/15/21 SCALE: 1" = 20'

SHEET P-19 OF 104

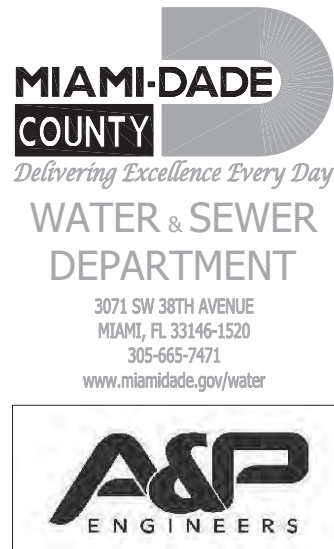
DWG. No. X-XXXX-D

MIAMI-DADE WATER AND SEWER DEPARTMENT

3071 SW 38th AVENUE MIAMI, FLORIDA 33146-1520

TOPOGRAPHIC SURVEY

HIALEAH/MIAMI-DADE
SEC. 16, 17-TWP. 55 S. - RGE. 41 E.



CA No.: EB-0007787
8935 NW 38th LANE, SUITE 200
MIAMI, FL 33172
305-592-7283
www.apce.com

PROPOSED SANITARY SEWER SYSTEM ALONG NW 37 AVENUE,
FROM SR 112 TO NW 82 STREET.
ER No. S050015, PCTS No. 16073

TOPOGRAPHIC SURVEY

DRAWING HISTORY

RELEASED FOR	DATE	BY
1 30% SUBMITTAL	5/22/20	AE-ACS
2 90% SUBMITTAL	8/28/20	AE-ACS
3 PERMIT	10/28/20	AE-ACS
4 100% SUBMITTAL	02/24/21	AE-ACS

REVISIONS

No.	DESCRIPTION	DATE	BY
1	QA/QC	6/19/20	WASD
2	QA/QC	7/28/20	WASD
3			

APPROVALS

PROJECT MGR:	AE	CHECKED:	PD
DESIGNED:		DRAWN:	AE-ACS
CHIEF ENGINEER:			
SECTION HEAD:			
DESIGN MGR.:			

FRILEMAN

FR Aleman & Associates, Inc.
10305 NW 41 Street, Suite 200, Doral, FL 33178
Phone: 305.591.8777
Fax: 305.599.8749 LB: 6785

Lis R. Tolstoy, PSM

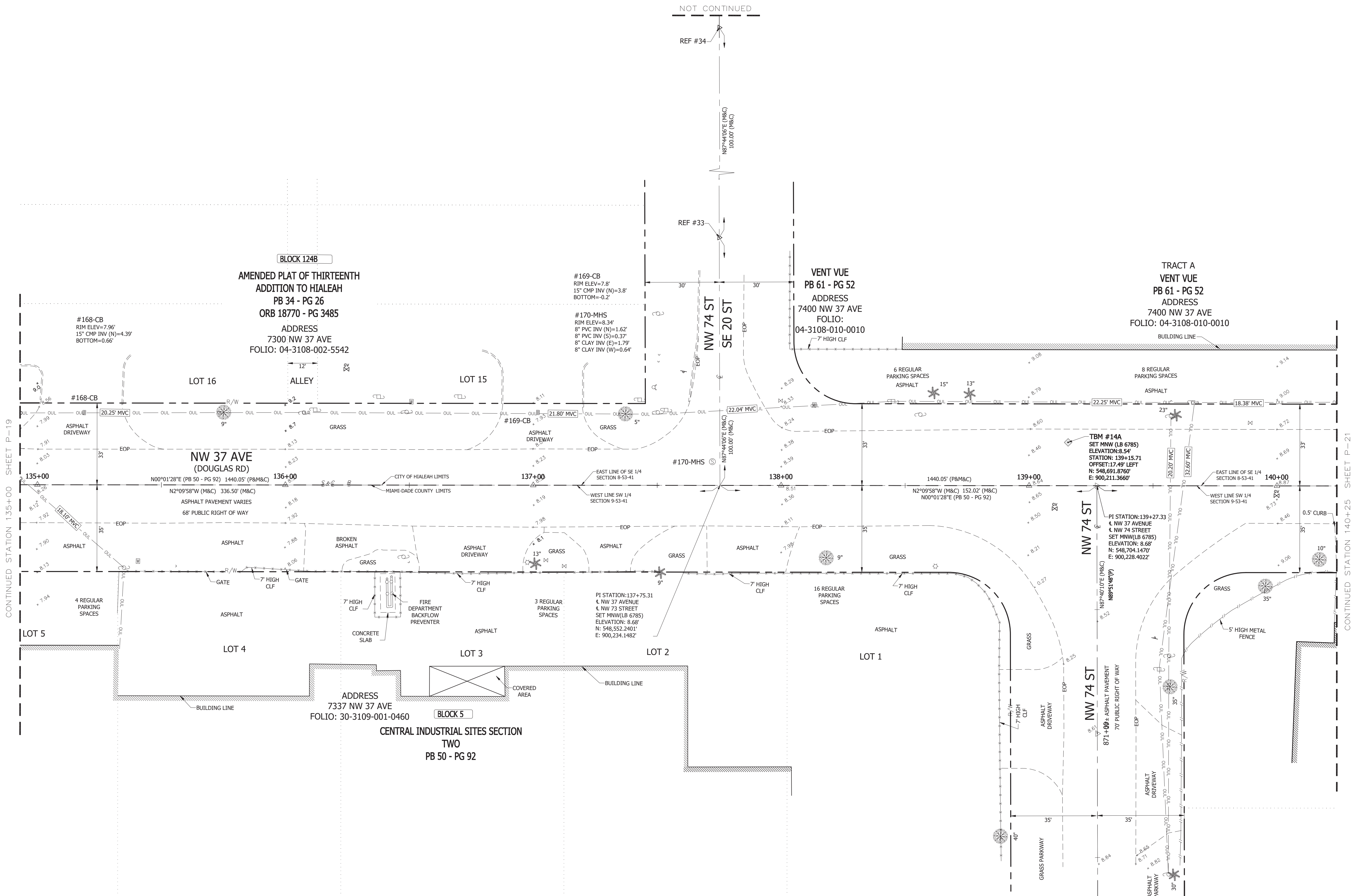
State of Florida - License No 6759

FILE NAME: 2972 W04 Topographic Survey

DATE: 2/15/21 SCALE: 1" = 20'

SHEET P-20 OF 104

DWG. No. X-XXXXX-D

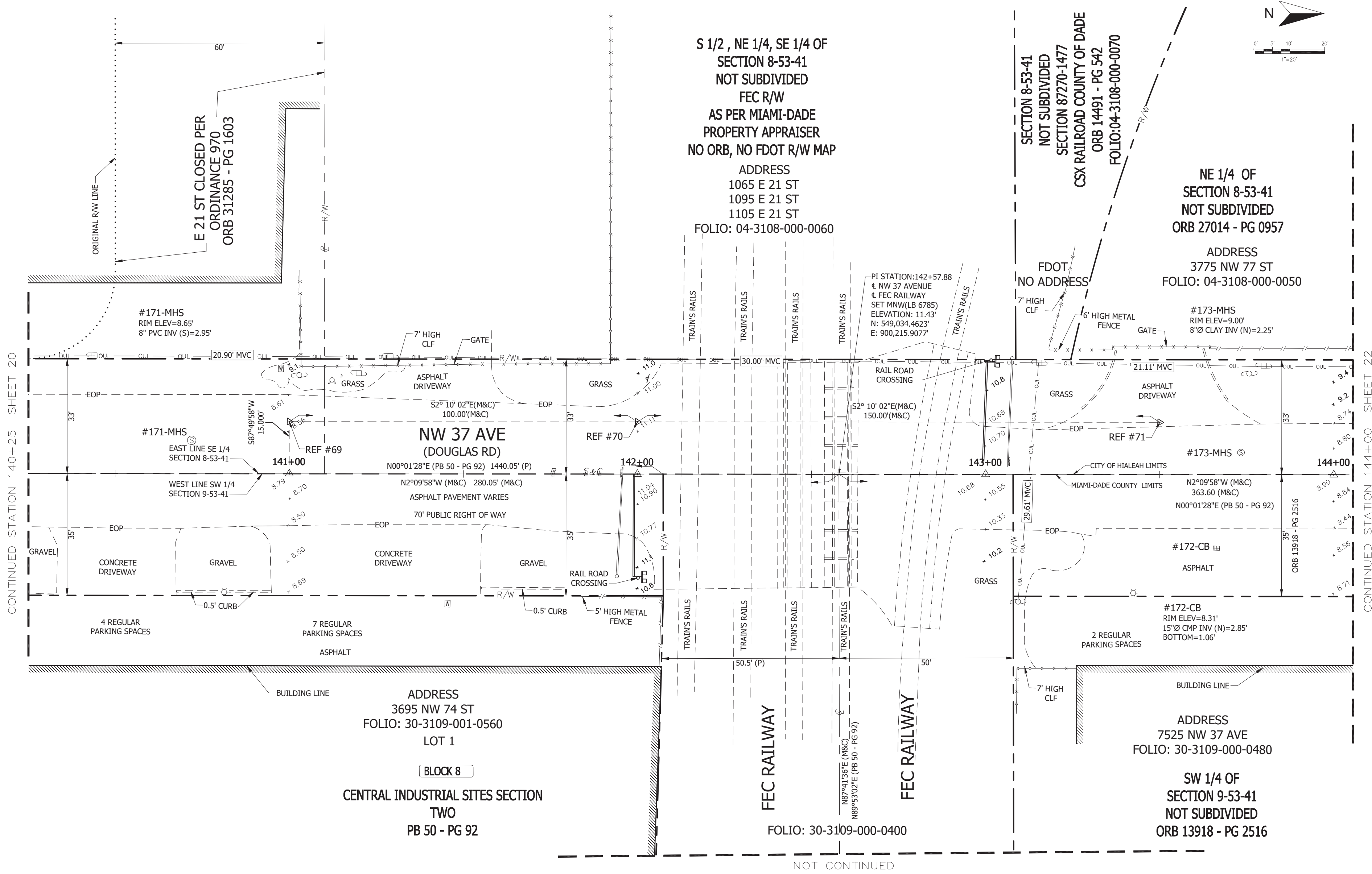


MIAMI-DADE WATER AND SEWER DEPARTMENT

3071 SW 38TH AVENUE MIAMI, FLORIDA 33146-1520

TOPOGRAPHIC SURVEY

HIALEAH/MIAMI-DADE
SEC. 09, 08 TWP. 53 S. - RGE. 41 E.



CA No.: EB-0007787
8935 NW 39th Lane, Suite 200
Miami, FL 33172
305-592-7283
www.apce.com

PROPOSED SANITARY SEWER SYSTEM ALONG NW 37 AVENUE,
FROM SR 112 TO NW 82 STREET.
ER No. S050015, PCTS No. 16073

DRAWING HISTORY

RELEASED FOR	DATE	BY
1 30% SUBMITTAL	5/22/20	AE-ACS
2 90% SUBMITTAL	8/28/20	AE-ACS
3 PERMIT	10/28/20	AE-ACS
4 100% SUBMITTAL	02/24/21	AE-ACS

REVISIONS

No.	DESCRIPTION	DATE	BY
1	QA/QC	6/19/20	WASD
2	QA/QC	7/28/20	WASD
3			

APPROVALS

PROJECT MGR:	AE	CHECKED:	PD
DESIGNED:		DRAWN:	AE-ACS

CHIEF ENGINEER:

SECTION HEAD:

DESIGN MGR.:

FRILEMAN

FR Aleman & Associates, Inc.
10305 NW 41 Street, Suite 200, Doral, FL 33178
Phone: 305.591.8777
Fax: 305.599.8749 LB: 6785

Lis R. Tolstoy, PSM

State of Florida - License No 6759

FILE NAME: 2972 W04 Topographic Survey

DATE: 2/15/21 SCALE: 1" = 20'

SHEET P-21 OF 104

DWG. No. X-XXXX-D

MIAMI-DADE WATER AND SEWER DEPARTMENT

3071 SW 38th AVENUE MIAMI, FLORIDA 33146-1520

TOPOGRAPHIC SURVEY

SE 1/4 OF
SECTION 8-53-41
NOT SUBDIVIDED
ORB 27014 - PG 0957
ADDRESS
3775 NW 77 ST
FOLIO: 04-3108-000-0050

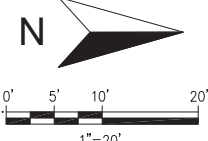
BLOCK 101B
AMENDED PLAT OF THIRTEENTH
ADDITION TO HIALEAH
PB 34 - PG 26
ORB 28679 - PG 365

LOT 16
ADDRESS
3700 NW 78 ST
FOLIO: 04-3108-002-2690

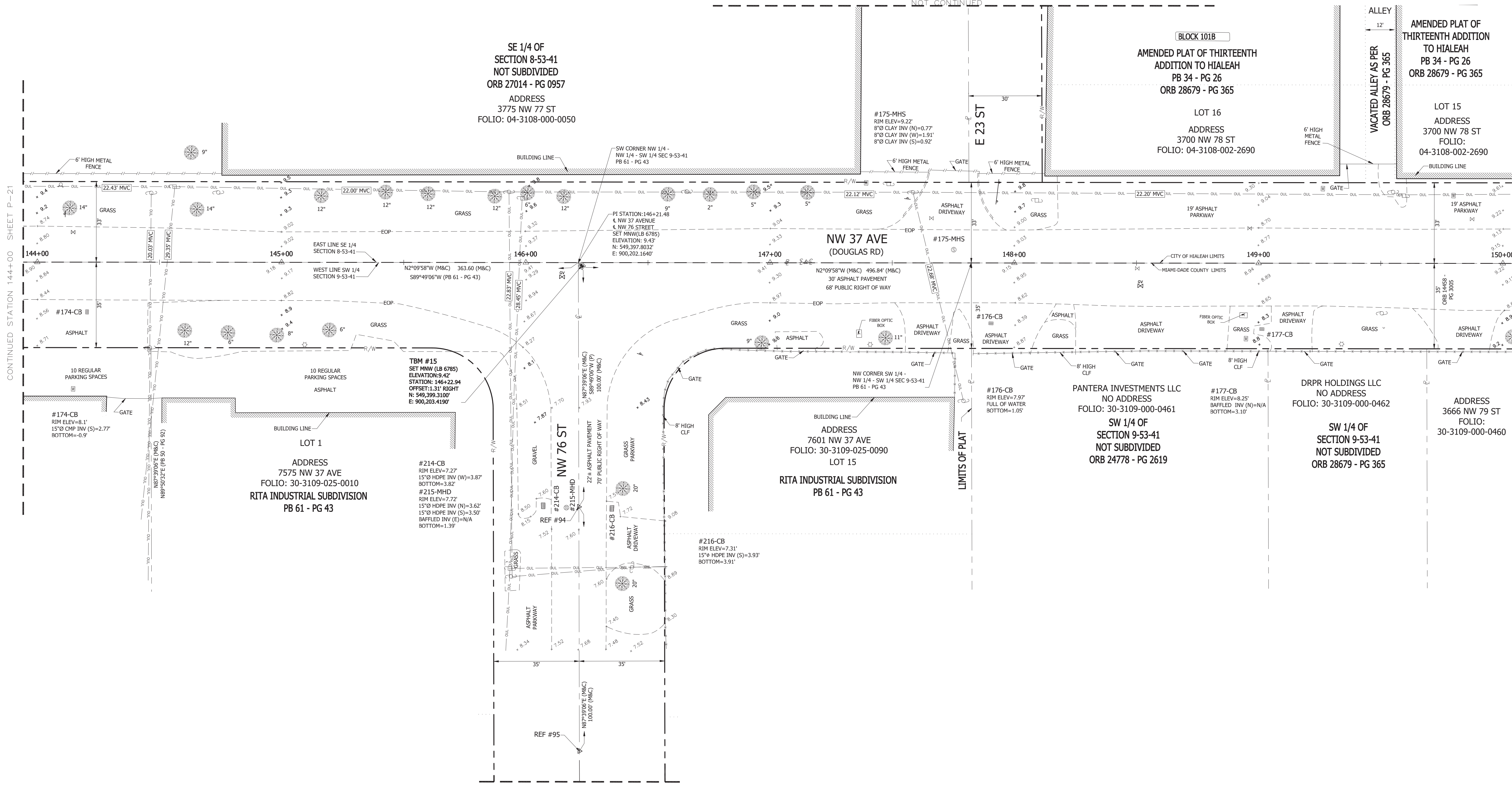
AMENDED PLAT OF
THIRTEENTH ADDITION
TO HIALEAH
PB 34 - PG 26
ORB 28679 - PG 365

LOT 15
ADDRESS
3700 NW 78 ST
FOLIO:
04-3108-002-2690

VACATED ALLEY AS PER
ORB 28679 - PG 365



HIALEAH/MIAMI-DADE
SEC 09, 08 TWP 55 S - RGE 41 E



PROPOSED SANITARY SEWER SYSTEM ALONG NW 37 AVENUE,
FROM SR 112 TO NW 82 STREET.
ER No. S050015, PCTS No. 16073

TOPOGRAPHIC SURVEY

DRAWING HISTORY		
RELEASED FOR	DATE	BY
1 30% SUBMITTAL	5/22/20	AE-ACS
2 90% SUBMITTAL	8/28/20	AE-ACS
3 PERMIT	10/28/20	AE-ACS
4 100% SUBMITTAL	02/24/21	AE-ACS

REVISIONS			
No.	DESCRIPTION	DATE	BY
1	Q/A/Q/C	6/19/20	WASD
2	Q/A/Q/C	7/28/20	WASD

APPROVALS			
PROJECT MGR:	AE	CHECKED:	PD
DESIGNED:		DRAWN:	AE-ACS
CHIEF ENGINEER:			
SECTION HEAD:			
DESIGN MGR.:			

FRILEMAN
FR Aleman & Associates, Inc.
10305 NW 41 Street, Suite 200, Doral, FL 33178
Phone: 305.591.8777
Fax: 305.599.8749 LB: 6785

Lis R. Tolstoy, PSM

State of Florida - License No 6759

FILE NAME: 2972 W04 Topographic Survey

DATE: 2/15/21 SCALE: 1" = 20'

SHEET P-22 OF 104

DWG. No. X-XXXXX-D

REVISIONS			
	DESCRIPTION	DATE	BY
Δ	QA/QC	6/19/20	WASD
Δ	QA/QC	7/28/20	WASD
Δ			

RALEMAN
R. Aleman & Associates, Inc.
305 NW 41 Street, Suite 200, Doral, FL 33178
Phone: 305.591.8777
Fax: 305.599.8749 LB: 6785

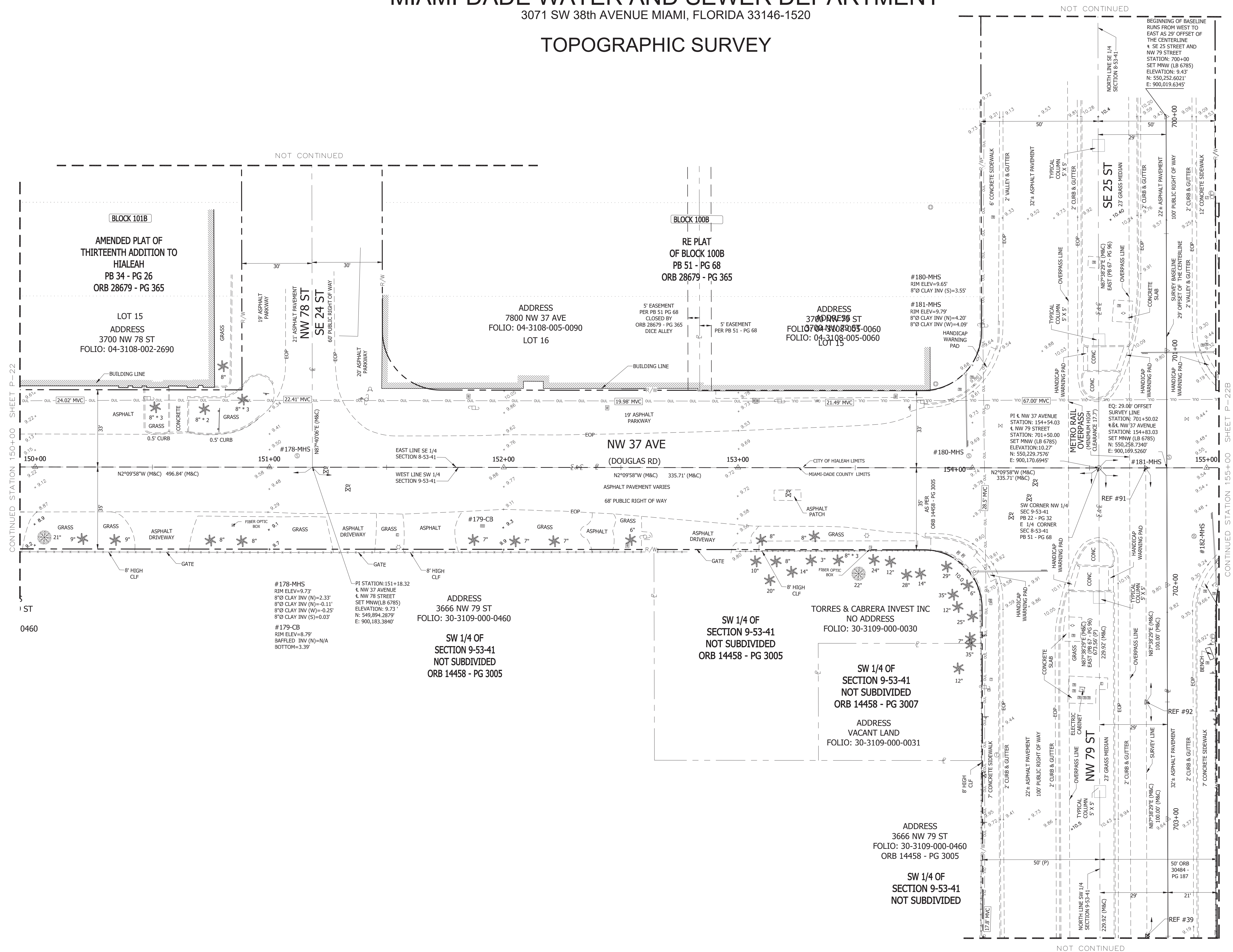
State of Florida - License No 6759

DATE: 2/15/21 SCALE: 1" = 20'

DWG. No. X-XXXXX-D

DWG. No. X-XXXXX-D

DWG. No. X-XXXXX-D

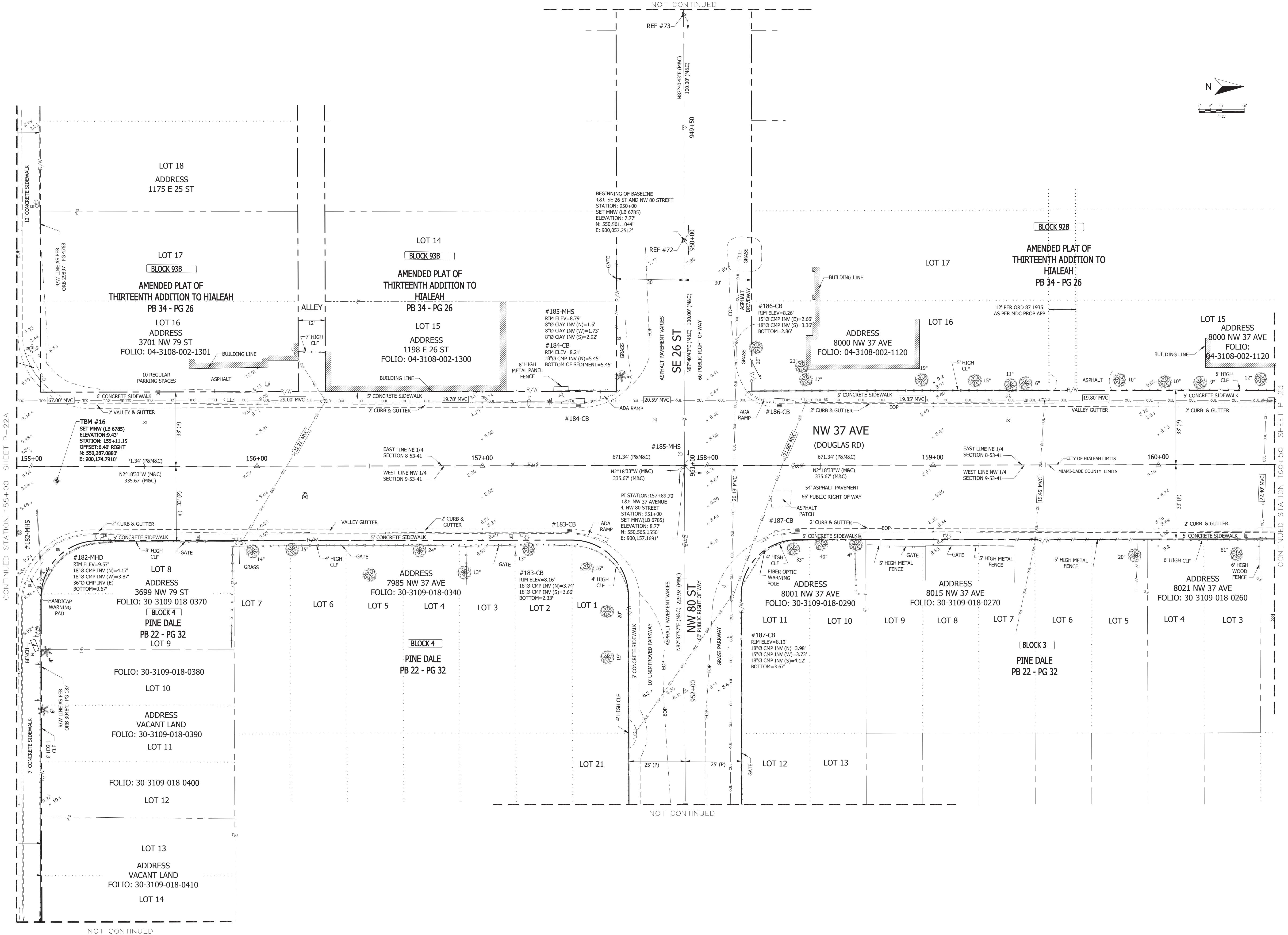
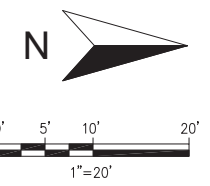


MIAMI-DADE WATER AND SEWER DEPARTMENT
3071 SW 38th AVENUE MIAMI, FLORIDA 33146-1520
TOPOGRAPHIC SURVEY

HIALEAH/MIAMI-DADE
SEC. 09, 08 TWP. 55 S. - RGE. 41 E.

MIAMI-DADE COUNTY
Delivering Excellence Every Day
WATER & SEWER DEPARTMENT
3071 SW 38th AVENUE
MIAMI, FL 33146-1520
305-665-7071
www.miamidade.gov/water

A&P ENGINEERS
CA No.: EB-0007787
8935 NW 38th LANE, SUITE 200
MIAMI, FL 33172
305-592-7283
www.apce.com



PROPOSED SANITARY SEWER SYSTEM ALONG NW 37 AVENUE,
FROM SR 112 TO NW 82 STREET.
ER No. S050015, PCTS No. 16073

TOPOGRAPHIC SURVEY

DRAWING HISTORY

RELEASED FOR	DATE	BY
1 30% SUBMITTAL	5/22/20	AE-ACS
2 90% SUBMITTAL	8/28/20	AE-ACS
3 PERMIT	10/28/20	AE-ACS
4 100% SUBMITTAL	02/24/21	AE-ACS

REVISIONS

No.	DESCRIPTION	DATE	BY
1	QAO/C	6/19/20	WASD
2	QAO/C	7/28/20	WASD

APPROVALS

PROJECT MGR:	AE	CHECKED:	PD
DESIGNED:		DRAWN:	AE-ACS
CHIEF ENGINEER:			
SECTION HEAD:			
DESIGN MGR.:			

FRILEMAN
FR Aleman & Associates, Inc.
10305 NW 41 Street, Suite 200, Doral, FL 33178
Phone: 305.591.8777
Fax: 305.599.8749 LB: 6785

Lis R. Tolstoy, PSM

State of Florida - License No 6759

FILE NAME: 2972 W04 Topographic Survey

DATE: 2/15/21 SCALE: 1" = 20'

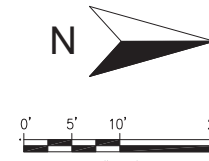
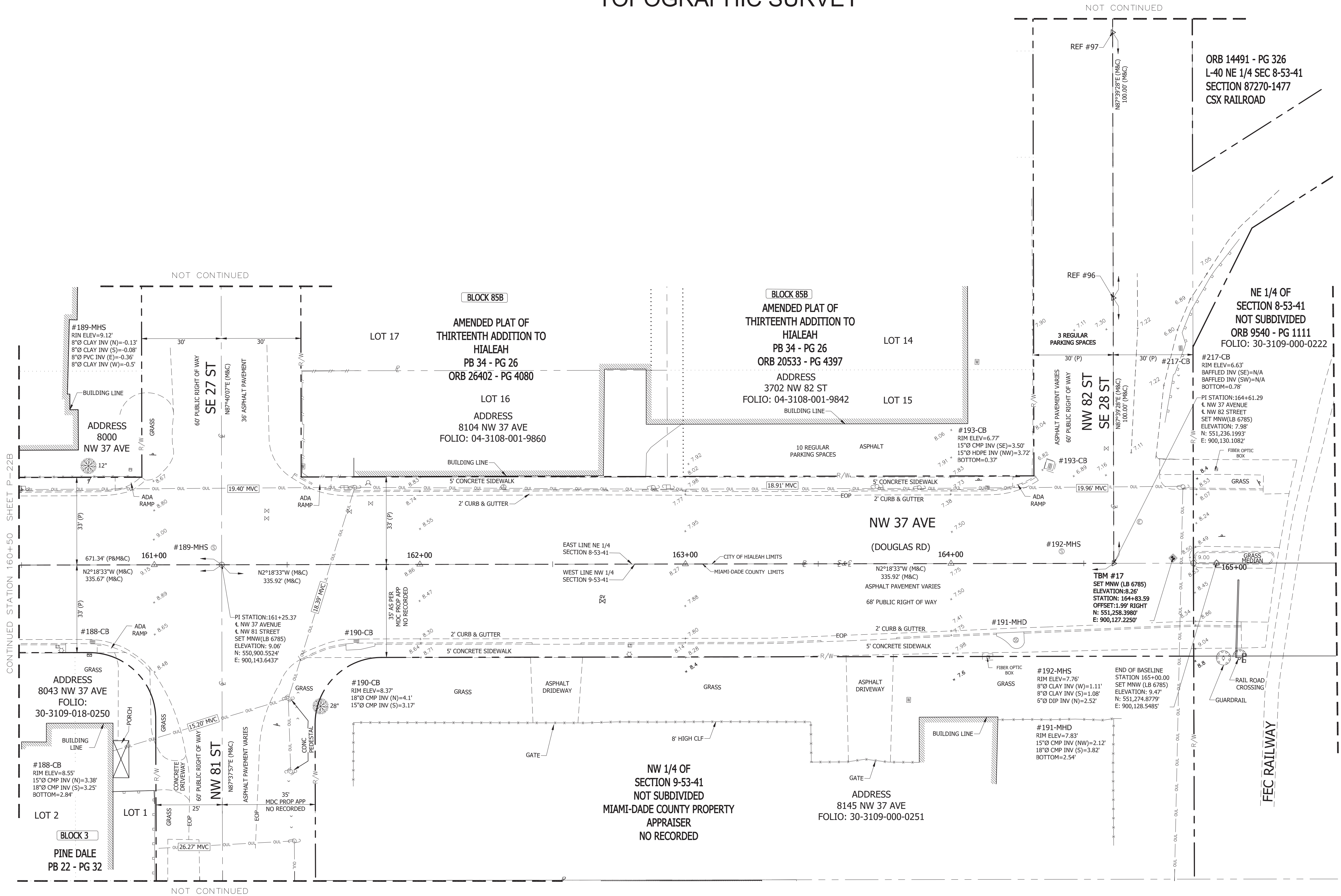
SHEET P-22B OF 104

DWG. No. X-XXXX-D

MIAMI-DADE WATER AND SEWER DEPARTMENT

3071 SW 38th AVENUE MIAMI, FLORIDA 33146-1520

TOPOGRAPHIC SURVEY



MIAMI-DADE COUNTY
WATER & SEWER DEPARTMENT
3071 SW 38th AVENUE
MIAMI, FL 33146-1520
305-665-7471
www.miamidade.gov/water

A&P ENGINEERS
CA No.: EB-0007787
8935 NW 38th LANE, SUITE 200
MIAMI, FL 33172
305-592-7283
www.apce.com

PROPOSED SANITARY SEWER SYSTEM ALONG NW 37 AVENUE,
FROM SR 112 TO NW 82 STREET.
ER No. S050015, PCTS No. 16073

TOPOGRAPHIC SURVEY

DRAWING HISTORY			
RELEASED FOR	DATE	BY	
1 30% SUBMITTAL	5/22/20	AE-ACS	
2 90% SUBMITTAL	8/28/20	AE-ACS	
3 PERMIT	10/28/20	AE-ACS	
4 100% SUBMITTAL	02/24/21	AE-ACS	
AS-BUILT			
REVISIONS			
No.	DESCRIPTION	DATE	BY
1	Q/A/Q/C	6/19/20	WASD
2	Q/A/Q/C	7/28/20	WASD
3			
APPROVALS			
PROJECT MGR:	AE	CHECKED:	PD
DESIGNED:		DRAWN:	AE-ACS
CHIEF ENGINEER:			
SECTION HEAD:			
DESIGN MGR.:			
FRILEMAN FR Aleman & Associates, Inc. 10305 NW 41 Street, Suite 200, Doral, FL 33178 Phone: 305.591.8777 Fax: 305.599.8749 LB: 6785			
Lis R. Tolstoy, PSM			
State of Florida - License No 6759			
FILE NAME: 2972 W04 Topographic Survey			
DATE:	2/15/21	SCALE:	1" = 20'
SHEET	P-23	OF	104
DWG. No.	X-XXXXX-D		