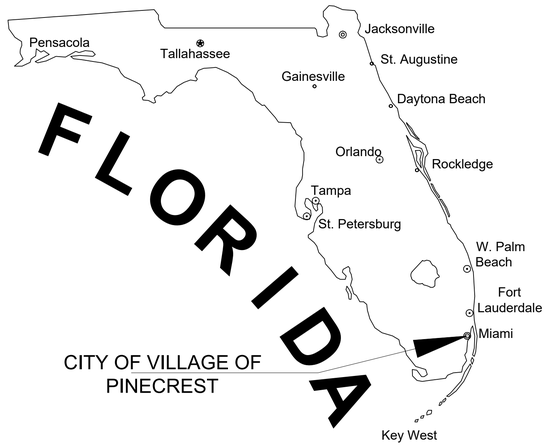
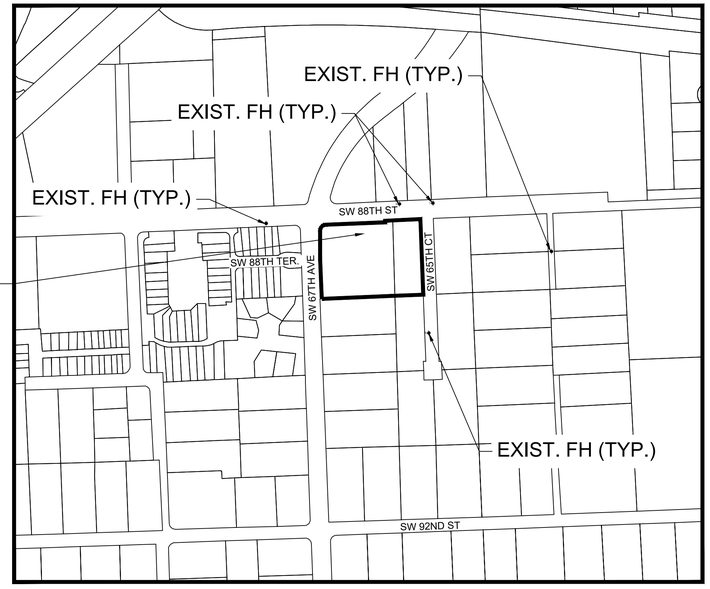
MDWASD AGREEMENT ID No.: 32990

GARY MATZNER PARK

WATER AND SEWER CONNECTION PLAN
6610 N. KENDALL DR.
VILLAGE OF PINECREST
MIAMI-DADE COUNTY, FLORIDA





N

SCALE : 1" = 300'

LOCATION MAP

SECTION 01, TOWNSHIP 55S, RANGE 40E

FOLIO #20-5001-000-0780, #20-5001-000-1180

MIAMI-DADE COUNTY
RER-DERM WATER
NO PERMIT REQUIRED
NPR#: NPRW-2025-148
Reviewed: Enrique A. Cuellar Date: 09/25/2025

APPROVED
MIAMI DADE COUNTY FIRE DEPARTMENT
BLDG. PERMIT: _____ FIRE ALARM: _____
FIRE SUPRESSOR: _____ WATER MAIN EXT: _____
Date: 9/24/2025 By: Julian Quintela

INDEX OF SHEETS	
SHEET IDENTIFICATON	SHEET TITLE
GI-000	COVER SHEET
CU-101	WATER AND SEWER PLAN
CU-201	WATER & SEWER PROFILES
CU-501	WATER AND SEWER DETAILS

PROJECT DESCRIPTION:
NEW CONST OF 233 PERSON PARK W/TOILETS PER CAPACITY LETTER CONNECTING TO WASD WATER/SEWER FIRST TIME REPLACING VACANT LAND.

LEGAL DESCRIPTION:

PARCEL 1:

THE NORTHWEST QUARTER (NW ¼) OF THE NORTHWEST QUARTER (NW ¼) OF THE NORTHWEST QUARTER (NW ¼) OF THE NORTHWEST QUARTER (NW ¼) OF SECTION ONE (1), TOWNSHIP 55 SOUTH, RANGE 40 EAST, LESS THE NORTH 40 FEET THEREOF AND LESS THAT PORTION OF SW 67TH AVENUE RIGHT OF WAY, AS DESCRIBED IN RIGHT OF WAY MAP OF SW 67TH AVE., ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 83, PAGE 42, OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA.

PARCEL 2:

THE WEST ½ OF THE NORTHEAST QUARTER (NE ¼) OF THE NORTHWEST QUARTER (NW ¼) OF THE NORTHWEST QUARTER (NW ¼) OF THE NORTHWEST QUARTER (NW ¼) OF SECTION 1, TOWNSHIP 55 SOUTH, RANGE 40 EAST, LESS THE EAST 25 FEET OF SAID TRACT AND LESS THE NORTH 35 FEET THEREOF, LYING AND BEING IN MIAMI-DADE COUNTY, FLORIDA.

MIAMI DADE COUNTY
ENVIRONMENTAL HEALTH & ENGINEERING DIVISION
NO WATER MAIN EXTENSION PERMIT REQUIRED
Initials: MBatista Date: 9/26/2025

ALL ELEVATIONS SHOWN ON THESE PLANS ARE BASED ON NGVD 1929 DATUM

(NOTES NOT PART OF WASD REVIEW NOR APPROVAL)

FEMA FLOOD ZONE:

THE PROPERTY IS LOCATED WITHIN FLOOD ZONE X WITH A BASE FLOOD ELEVATION OF FEET N/A, AS SHOWN ON F.I.R.M. NUM. 12086C0458L, BEARING A MAP EFFECTIVE DATE OF 09/11/2009.

Miami-Dade County
Department of Regulatory and Economic Resources
Environmental Resources Management
RER-DERM Sewer Review Approval
2025 -SEW-EXT- 0271 Date: 10/3/2025
For the Director: _____
Notes:
1. This Approval is pursuant to Chapter 24, Miami-Dade County Environmental Protection Ordinance.
2. Pursuant to Section 62-604, F.A.C., a Florida Department of Environmental Protection **(FDEP) Construction PERMIT IS NOT REQUIRED** based on the scope of work SOW/design. Any changes of SOW/design may require applying for and obtaining an FDEP construction permit.

MIAMI-DADE
WATER AND SEWER DEPARTMENT
WATER PERMIT WB-2025-32990 SEWER PERMIT SB-2025-32990
APPROVED ☐ APPROVED AS REVISED ☑
Rafael Hurtado, P.E. REVIEWER'S NAME
SIGNATURE
10/2/2025 DATE
THIS ACCEPTANCE IS VALID FOR TWO YEARS AND DOES NOT RELIEVE THE ENGINEER AND CONTRACTOR FROM COMPLIANCE WITH ALL COUNTY AND STATE REQUIREMENTS AND AGREEMENTS

811 TICKET No. 349305403

Sunshine811
Call 811 or visit sunshine811.com two full business days before digging to have buried facilities located and marked.
Check positive response codes before you dig!

THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

PREPARED FOR: VILLAGE OF PINECREST
PARKS & RECREATION
12645 PINECREST PARKWAY
PINECREST, FL 33156

KEITH
301 East Atlantic Boulevard
Pompano Beach, Florida 33060-6643
(954) 788-3400
Florida Engineering Business License: CA7928
Florida Surveyor and Mapper Business License: LB6860
Florida Landscape Architecture Business License: LC26000457

This item has been digitally signed and sealed by **Thomas F. Donahue**, P.E. on the date adjacent to the seal.

THOMAS F. DONAHUE LICENSE No. 60529 STATE OF FLORIDA PROFESSIONAL ENGINEER

Signature must be verified on any electronic copies.

2025.09.24 11:14:12-04'00'
THOMAS F. DONAHUE, P.E.
FLORIDA REG. NO. 60529
(FOR THE FIRM)

PROJECT No. 13861.00 DATE: SEPTEMBER, 2025

Drawing name: K:\13861.00 - Gary Matzner Park Design - Village of Pinecrest\Engineering\Cad\13861.00-GI-000.dwg Layout Name: GI-000 (MDWASD) Plotted by: hallia Plotted on: Sep 24, 2025 - 9:28am

MDWASD AGREEMENT ID No.: 32990

MIAMI DADE COUNTY

ENVIRONMENTAL HEALTH & ENGINEERING DIVISION

NO WATER MAIN EXTENSION PERMIT REQUIRED

Initials: MBatista Date: 9/26/2025

APPROVED

MIAMI DADE COUNTY FIRE DEPARTMENT

BLDG. PERMIT: _____ FIRE ALARM: _____

FIRE SUPPRESSOR: _____ WATER MAIN EXT: _____

Date: 9/24/2025 By: Julian Quintela

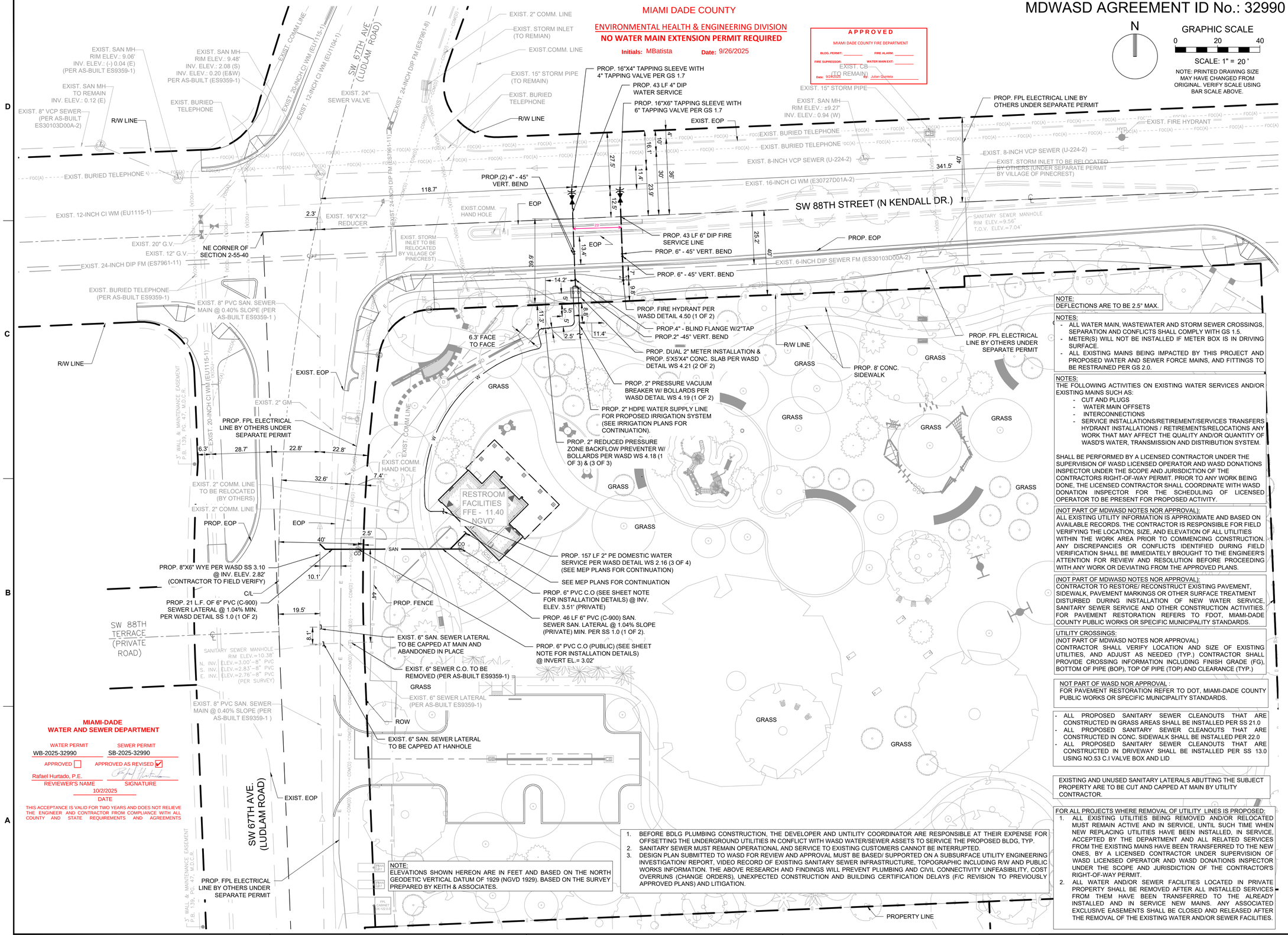
N

GRAPHIC SCALE

0 20 40

SCALE: 1" = 20 '

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.



MIAMI-DADE WATER AND SEWER DEPARTMENT

WATER PERMIT	SEWER PERMIT
WB-2025-32990	SB-2025-32990

APPROVED ☐ APPROVED AS REVISED ☑

Rafael Hurtado, P.E. — REVIEWER'S NAME

SIGNATURE

10/2/2025 — DATE

THIS ACCEPTANCE IS VALID FOR TWO YEARS AND DOES NOT RELIEVE THE ENGINEER AND CONTRACTOR FROM COMPLIANCE WITH ALL COUNTY AND STATE REQUIREMENTS AND AGREEMENTS

NOTE:
ELEVATIONS SHOWN HEREON ARE IN FEET AND BASED ON THE NORTH GEODETIC VERTICAL DATUM OF 1929 (NGVD 1929). BASED ON THE SURVEY PREPARED BY KEITH & ASSOCIATES.

1. BEFORE BDLG PLUMBING CONSTRUCTION, THE DEVELOPER AND UNTILITY COORDINATOR ARE RESPONSIBLE AT THEIR EXPENSE FOR OFFSETTING THE UNDERGROUND UTILITIES IN CONFLICT WITH WASD WATER/SEWER ASSETS TO SERVICE THE PROPOSED BLDG, TYP.
2. SANITARY SEWER MUST REMAIN OPERATIONAL AND SERVICE TO EXISTING CUSTOMERS CANNOT BE INTERRUPTED.
3. DESIGN PLAN SUBMITTED TO WASD FOR REVIEW AND APPROVAL MUST BE BASED/ SUPPORTED ON A SUBSURFACE UTILITY ENGINEERING INVESTIGATION/ REPORT, VIDEO RECORD OF EXISTING SANITARY SEWER INFRASTRUCTURE, TOPOGRAPHIC INCLUDING R/W AND PUBLIC WORKS INFORMATION. THE ABOVE RESEARCH AND FINDINGS WILL PREVENT PLUMBING AND CIVIL CONNECTIVITY UNFEASIBILITY, COST OVERRUNS (CHANGE ORDERS), UNEXPECTED CONSTRUCTION AND BUILDING CERTIFICATION DELAYS (F/C REVISION TO PREVIOUSLY APPROVED PLANS) AND LITIGATION.

NOTE:
DEFLECTIONS ARE TO BE 2.5° MAX.

NOTES:
- ALL WATER MAIN, WASTEWATER AND STORM SEWER CROSSINGS, SEPARATION AND CONFLICTS SHALL COMPLY WITH GS 1.5.
- METER(S) WILL NOT BE INSTALLED IF METER BOX IS IN DRIVING SURFACE.
- ALL EXISTING MAINS BEING IMPACTED BY THIS PROJECT AND PROPOSED WATER AND SEWER FORCE MAINS, AND FITTINGS TO BE RESTRAINED PER GS 2.0.

NOTES:
THE FOLLOWING ACTIVITIES ON EXISTING WATER SERVICES AND/OR EXISTING MAINS SUCH AS:
- CUT AND PLUGS
- WATER MAIN OFFSETS
- INTERCONNECTIONS
- SERVICE INSTALLATIONS/RETIREMENT/SERVICES TRANSFERS HYDRANT INSTALLATIONS / RETIREMENTS/RELOCATIONS ANY WORK THAT MAY AFFECT THE QUALITY AND/OR QUANTITY OF WASD'S WATER, TRANSMISSION AND DISTRIBUTION SYSTEM.

SHALL BE PERFORMED BY A LICENSED CONTRACTOR UNDER THE SUPERVISION OF WASD LICENSED OPERATOR AND WASD DONATIONS INSPECTOR UNDER THE SCOPE AND JURISDICTION OF THE CONTRACTORS RIGHT-OF-WAY PERMIT. PRIOR TO ANY WORK BEING DONE, THE LICENSED CONTRACTOR SHALL COORDINATE WITH WASD DONATION INSPECTOR FOR THE SCHEDULING OF LICENSED OPERATOR TO BE PRESENT FOR PROPOSED ACTIVITY.

(NOT PART OF MDWASD NOTES NOR APPROVAL):
ALL EXISTING UTILITY INFORMATION IS APPROXIMATE AND BASED ON AVAILABLE RECORDS. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING THE LOCATION, SIZE, AND ELEVATION OF ALL UTILITIES WITHIN THE WORK AREA PRIOR TO COMMENCING CONSTRUCTION. ANY DISCREPANCIES OR CONFLICTS IDENTIFIED DURING FIELD VERIFICATION SHALL BE IMMEDIATELY BROUGHT TO THE ENGINEER'S ATTENTION FOR REVIEW AND RESOLUTION BEFORE PROCEEDING WITH ANY WORK OR DEVIATING FROM THE APPROVED PLANS.

(NOT PART OF MDWASD NOTES NOR APPROVAL):
CONTRACTOR TO RESTORE/ RECONSTRUCT EXISTING PAVEMENT, SIDEWALK, PAVEMENT MARKINGS OR OTHER SURFACE TREATMENT DISTURBED DURING INSTALLATION OF NEW WATER SERVICE, SANITARY SEWER SERVICE AND OTHER CONSTRUCTION ACTIVITIES. FOR PAVEMENT RESTORATION REFERS TO FDOT, MIAMI-DADE COUNTY PUBLIC WORKS OR SPECIFIC MUNICIPALITY STANDARDS.

UTILITY CROSSINGS:
(NOT PART OF MDWASD NOTES NOR APPROVAL)
CONTRACTOR SHALL VERIFY LOCATION AND SIZE OF EXISTING UTILITIES, AND ADJUST AS NEEDED (TYP.) CONTRACTOR SHALL PROVIDE CROSSING INFORMATION INCLUDING FINISH GRADE (FG), BOTTOM OF PIPE (BOP), TOP OF PIPE (TOP) AND CLEARANCE (TYP.)

NOT PART OF WASD NOR APPROVAL :
FOR PAVEMENT RESTORATION REFER TO DOT, MIAMI-DADE COUNTY PUBLIC WORKS OR SPECIFIC MUNICIPALITY STANDARDS.

- ALL PROPOSED SANITARY SEWER CLEANOUTS THAT ARE CONSTRUCTED IN GRASS AREAS SHALL BE INSTALLED PER SS 21.0
- ALL PROPOSED SANITARY SEWER CLEANOUTS THAT ARE CONSTRUCTED IN CONC. SIDEWALK SHALL BE INSTALLED PER 22.0
- ALL PROPOSED SANITARY SEWER CLEANOUTS THAT ARE CONSTRUCTED IN DRIVEWAY SHALL BE INSTALLED PER SS 13.0 USING NO.53 C.I VALVE BOX AND LID

EXISTING AND UNUSED SANITARY LATERALS ABUTTING THE SUBJECT PROPERTY ARE TO BE CUT AND CAPPED AT MAIN BY UTILITY CONTRACTOR.

FOR ALL PROJECTS WHERE REMOVAL OF UTILITY LINES IS PROPOSED:
1. ALL EXISTING UTILITIES BEING REMOVED AND/OR RELOCATED MUST REMAIN ACTIVE AND IN SERVICE, UNTIL SUCH TIME WHEN NEW REPLACING UTILITIES HAVE BEEN INSTALLED, IN SERVICE, ACCEPTED BY THE DEPARTMENT AND ALL RELATED SERVICES FROM THE EXISTING MAINS HAVE BEEN TRANSFERRED TO THE NEW ONES, BY A LICENSED CONTRACTOR UNDER SUPERVISION OF WASD LICENSED OPERATOR AND WASD DONATIONS INSPECTOR UNDER THE SCOPE AND JURISDICTION OF THE CONTRACTOR'S RIGHT-OF-WAY PERMIT.
2. ALL WATER AND/OR SEWER FACILITIES LOCATED IN PRIVATE PROPERTY SHALL BE REMOVED AFTER ALL INSTALLED SERVICES FROM THEM HAVE BEEN TRANSFERRED TO THE ALREADY INSTALLED AND IN SERVICE NEW MAINS. ANY ASSOCIATED EXCLUSIVE EASEMENTS SHALL BE CLOSED AND RELEASED AFTER THE REMOVAL OF THE EXISTING WATER AND/OR SEWER FACILITIES.

PROJECT LEAD & CIVIL ENGINEERING:
KEITH
301 EAST ATLANTIC BLVD.
POMPANO BEACH, FL 33060
PH: (954) 788-3400
Florida Engineering Business License: CA7928
Florida Surveyor and Mapper Business License: LB6860
Florida Landscape Architecture Business License: LC26000457

LANDSCAPE ARCHITECT:
MKSK
801 INTERNATIONAL PARKWAY
LAKE MARY, FL 32746
407.871.9607
MKSKSTUDIOS.COM

ARCHITECT:
WANNEMACHER JENSEN ARCHITECTS
815 NORTHWEST 57 AVE. SUITE 219
MIAMI, FLORIDA 33126
727-822-5566
WJARC.COM AA0002277

MECHANICAL, PLUMBING, & ELECTRICAL ENGINEERING:
SGM ENGINEERING
5301 WATERFORD DISTRICT DR.
SUITE 750
954-421-1944
SGMENGINEERING.COM CA-00006208

REVISIONS

NO.	DESCRIPTION	DATE

ISSUE DATE:	09/24/2025
DESIGNED BY:	HA/CS
DRAWN BY:	HA/CS
CHECKED BY:	JC

This item has been digitally signed and sealed by **Thomas F. Donahue**, P.E. on the date adjacent to the seal.

THOMAS F. DONAHUE LICENSE No. 60529 STATE OF FLORIDA PROFESSIONAL ENGINEER

Signature must be verified on any electronic copies.

09/24/2025

THOMAS F. DONAHUE, P.E. FLORIDA REG. NO. 60529 (FOR THE FIRM)

CLIENT
VILLAGE OF PINECREST
PINECREST PARKS & RECREATION

PROJECT
GARY MATZNER PARK
6610 N. KENDALL DRIVE PINECREST, FL 33156

SHEET TITLE
WATER AND SEWER PLAN (WASD)

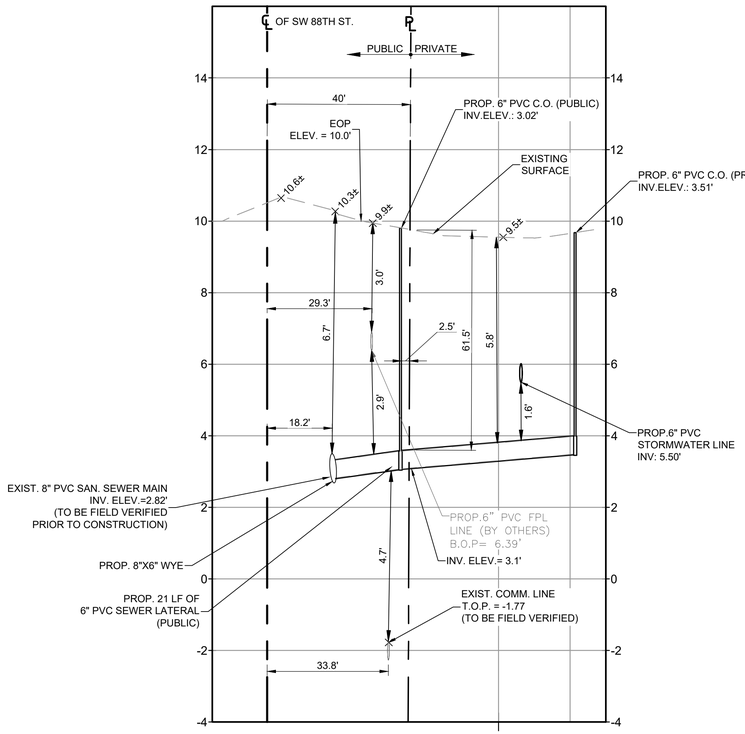
SHEET NUMBER	CU-101
PROJECT NUMBER	13861.00

STATUS: CONSTRUCTION DOCUMENTS

Plotted by: hallia On 9/24/2025 9:28 AM

Drawing name: K:\13861.00 - Gary Matzner Park Design - Village of Pinecrest\Engineering\Cad\13861.00-CU-1XX.dwg

MDWASD AGREEMENT ID No.: 32990



PROP. 6" SAN. SEWER LATERAL PROFILE
HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=2'

MIAMI-DADE
WATER AND SEWER DEPARTMENT

WATER PERMIT	SEWER PERMIT
WB-2025-32990	SB-2025-32990

APPROVED ☐ APPROVED AS REVISED ☑

Rafael Hurtado, P.E. — REVIEWER'S NAME — SIGNATURE

10/2/2025 — DATE

THIS ACCEPTANCE IS VALID FOR TWO YEARS AND DOES NOT RELIEVE THE ENGINEER AND CONTRACTOR FROM COMPLIANCE WITH ALL COUNTY AND STATE REQUIREMENTS AND AGREEMENTS

APPROVED

MIAMI DADE COUNTY FIRE DEPARTMENT

BLDG. PERMIT: _____ FIRE ALARM: _____

FIRE SUPRESSOR: _____ WATER MAIN EXT: _____

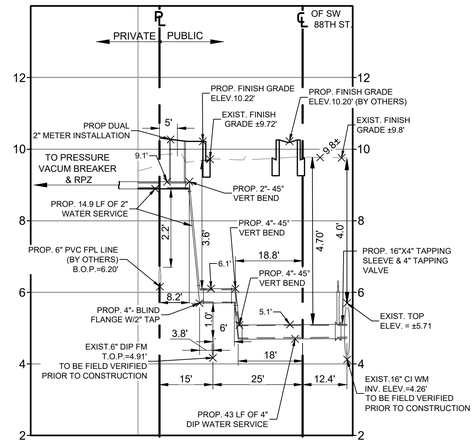
Date: 9/24/2025 By: Julian Quintela

MIAMI DADE COUNTY

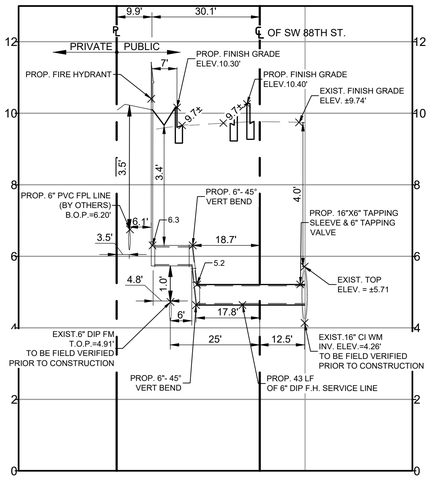
ENVIRONMENTAL HEALTH & ENGINEERING DIVISION

NO WATER MAIN EXTENSION PERMIT REQUIRED

Initials: MBatista **Date:** 9/26/2025



PROP. 4" DIP WATER SERVICE PROFILE
HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=2'



PROP. 6" DIP F.H. SERVICE PROFILE
HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=2'

PROJECT LEAD & CIVIL ENGINEERING:
KEITH
301 EAST ATLANTIC BLVD.
POMPANO BEACH, FL 33060
PH: (954) 788-3400
Florida Engineering Business License: CA7928
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727-822-5566
WJARC.COM AA0002277

MECHANICAL, PLUMBING, & ELECTRICAL ENGINEERING:
SGM ENGINEERING
5301 WATERFORD DISTRICT DR.
SUITE 750
954-421-1944
SGMENGINEERING.COM CA-00006208

REVISIONS

NO.	DESCRIPTION	DATE

ISSUE DATE:	**09/24/2025**
DESIGNED BY:	**HA/CS**
DRAWN BY:	**HA/CS**
CHECKED BY:	**JC**

This item has been digitally signed and sealed by **Thomas F. Donahue**, P.E. on the date adjacent to the seal.

THOMAS F. DONAHUE LICENSE No. 60529 STATE OF FLORIDA PROFESSIONAL ENGINEER

Signature must be verified on any electronic copies.

09/24/2025

THOMAS F. DONAHUE, P.E.
FLORIDA REG. NO. 60529
(FOR THE FIRM)

CLIENT
VILLAGE OF PINECREST
PINECREST PARKS & RECREATION

PROJECT
GARY MATZNER PARK
6610 N. KENDALL DRIVE
PINECREST, FL 33156

SHEET TITLE
WATER & SEWER PROFILE

SHEET NUMBER **CU-201**

PROJECT NUMBER **13861.00**

STATUS: CONSTRUCTION DOCUMENTS

Drawing name: K:\13861.00 - Gary Matzner Park Design - Village of Pinecrest\Engineering\Cad\13861.00-CU-2XX.dwg

Plotted by: halba On 9/24/2025 9:26 AM

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 C-900 PVC 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. Forcemain 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 forcemain 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) 372-6574 or via e-mail at: tfrs@miamidade.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 (ACP) 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. The AQMD can be contacted via email at asbestos@miamidade.gov or 305-372-6925.

Rev. 4/30/2018

p:\pollution regulation\delegated ero permitting\ww-core_extensions\sewer extensions\forms and package\se application package\se permit package\package march-2017\rer-derm-notes official last one-revised\(2018-04\29).doc

1. ALL MATERIALS AND LABOR UNDER THIS PROJECT SHALL BE IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE MIAMI-DADE WATER AND SEWER DEPARTMENT AND SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS AVAILABLE AND ON FILE WITH THE DEPARTMENT. SUBMIT SHOP DRAWINGS FOR ALL MATERIALS.
2. COVER OVER WATER OR SEWER FORCE MAINS SHALL BE 4'-0" MIN.
3. ALL MAIN LINE VALVES SHALL BE INSTALLED COMPLETE WITH 10" RISER PIPES AND NO. 3 OR 53 VALVE BOXES FIRE HYDRANTS AND SERVICE VALVES SHALL BE INSTALLED COMPLETE WITH 6" RISER PIPES AND NO. 2 VALVE BOXES.
4. ALL FORCE MAIN SERVICE CONNECTIONS INTO PRESSURE TRANSMISSION MAINS SHALL HAVE A SHUT OFF VALVE AND CHECK VALVE AT THE POINT OF ENTRY.
5. ALL GRAVITY SYSTEMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH DEPARTMENT STANDARDS.
6. ALL WATER METERS WILL BE INSTALLED BY THE MIAMI-DADE WATER AND SEWER DEPARTMENT, PROVIDING THE APPROPRIATE CHARGES HAVE BEEN PREPAID.
7. FIRE HYDRANT REQUIREMENTS (NUMBER AND LOCATION) SHALL BE AS REQUIRED BY MIAMI-DADE COUNTY FIRE DEPARTMENT OR THE APPROPRIATE FIRE AGENCY WITH INSTALLATION IN ACCORDANCE WITH DEPARTMENT STANDARDS.
8. CONTRACTOR MUST CALL MDWASD INSPECTION DIVISION TO ARRANGE FOR A PRECONSTRUCTION MEETING 2 FULL BUSINESS DAYS PRIOR TO PROPOSED START OF CONSTRUCTION. CONTACT ONE CALL CENTER 48 HRS PRIOR TO EXCAVATION.
9. CONTRACT INSPECTOR WILL INSPECT ANY FACILITIES APPROVED BY THE DEPARTMENT. ALL OTHER REQUIREMENTS OF THE PERMITTING AGENCY SHALL BE IN ACCORDANCE WITH THEIR STANDARDS AND REQUIREMENTS.
10. WORK PERFORMED UNDER THIS PROJECT WILL NOT BE CONSIDERED AS COMPLETE UNTIL FINAL ACCEPTANCE OF THE SYSTEM BY THE DEPARTMENT AND UNTIL THE FOLLOWING DOCUMENTS ARE RECEIVED AND APPROVED BY THE DEPARTMENT:
    a. EASEMENTS, IF REQUIRED
    b. CONTRACTOR'S WAIVER AND RELEASE OF LIEN
    c. ABSOLUTE BILL OF SALE
    d. i. CONTRACTOR'S LETTER OF WARRANTY (I.E., LETTER AGREEMENT)
       ii DEVELOPER'S CONTRACT BOND (I.E., CONTRACT AGREEMENT).
    e. "RECORD DRAWING" PRINTS (24"x 36") SHOWING SPECIFIC LOCATIONS, DEPTH, ETC. OF ALL WATER AND SEWER FACILITIES AS LOCATED BY A LICENSED SURVEYOR & MAPPER, ALONG WITH PRINTS OF "RECORD DRAWINGS" WHICH HAVE BEEN SIGNED AND SEALED BY A REGISTERED SURVEYOR & MAPPER. (No. OF PRINTS: 3-FOR WATER, 4-FOR GRAVITY SEWER AND 5-FOR FORCE MAIN OR PUMP STATION PROJECTS). Submittal of final CAD Files required.
    f. H.R.S. LETTER OF RELEASE REQUIRED FOR ALL WATER PROJECTS
    g. BILL OF SALE SKETCH (8½"x 11") FOR WATER AND SEWER, SEPARATELY
11. ALL NEW CONNECTIONS FROM EXISTING DEPARTMENT MAINS TO BE MADE BY DEPARTMENT FORCES ONLY. THE CONTRACTOR TO EXCAVATE AT REQUIRED LOCATIONS, PROVIDE AND INSTALL MATERIAL WITH FITTINGS, PRIOR TO TAP.
12. AN APPROVED PAVING AND DRAINAGE PLAN MUST BE SUBMITTED TO MDWASD FOR ALL NEW SUBDIVISIONS PRIOR TO APPROVAL OF WATER AND SEWER PERMIT PLANS, UPON REQUEST.
13. UNLESS OTHERWISE SPECIFIED, ALL TAPS 20 INCHES AND SMALLER FOR CONNECTIONS TO EXISTING MAINS WILL BE DONE BY DEPARTMENT FORCES. UNDER NO CIRCUMSTANCES WILL THE CONTRACTOR BE PERMITTED TO TAP EXISTING MAINS IN THE SIZE RANGE SPECIFIED ABOVE. THE TAPPING SLEEVE AND TAPPING VALVE ARE FURNISHED AND INSTALLED BY THE CONTRACTOR UNDER THE SUPERVISION OF THE INSPECTOR.

ITEM	CROSS REF.	SPEC. REF.

ISSUE DATE	APPROVED BY
03/01/2010	V.F.C.
07/20/2016	D.V.

STANDARD DETAIL

STANDARD REQUIREMENTS WATER AND SEWER CONSTRUCTION

GS 0.5 SHEET 1 OF 2

MIAMI-DADE COUNTY Delivering Excellence Every Day — WATER & SEWER DEPARTMENT

HEALTH DEPARTMENT NOTES

(NOT A PART OF M-DWASD NOTES OR APPROVAL)

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. MAY BE REDUCED TO 3 FT. WHERE BOTTOM OF WATER MAINS 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 IF BELOW.*

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

* NOTE: 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.

NOT PART OF MD-WASD NOTES NOR APPROVAL

1. AT THE COMPLETION OF ANY WATER AND SEWER JOB EITHER DONATION OR CONTRACT, THE CONTRACTOR SHALL SUBMIT:
   a. RECORD DRAWING PRINTS WHICH HAVE BEEN SIGNED AND SEALED BY A FLORIDA LICENSED PROFESSIONAL SURVEYOR AND MAPPER (QTY. OF PRINTS AS REQUIRED BY THE DEPARTMENT).
2. "RECORD DRAWING" FORMAT:
   a. 24"x 36" PRINTS
   b. PDF FILE
   c. CADD FILE (DWG OR DXF) ROTATED AND TRANSLATED TO STATE PLANE COORDINATES NAD 83 FLORIDA EAST ZONE
   d. THE WORDS "RECORD DRAWING" IN LARGE LETTERS
   e. TITLE BLOCK WITH DEPARTMENT DS, DW OR ER NUMBER AND PERTINENT INFORMATION
   f. PREFERRED SCALE TO BE 1"= 40' HORIZONTALLY AND 1"= 4' VERTICALLY*
   g. STREET NOMENCLATURE
   h. SEPARATE RECORD DRAWINGS FOR WATER AND SEWER
   i. SEPARATE WATER AND SEWER PROFILE
   j. STATIONING STARTING WITH 0+00 AT PERMANENT REFERENCE POINT (I.E. ℄, ∑, ETC.) OR AS SHOWN ON DESIGN PERMIT PLANS, AND TO RUN CONTINUOUSLY TO END OF MAIN
   k. EASEMENTS, IF ANY, TIED TO PERMANENT REFERENCE POINT
   l. IDENTIFY ALL CONTROL LINES (I.E. BLDG. LINE, PROPERTY LINE, R/W, ETC.)
   m. ALL "PROPOSED" INFORMATION TO BE REMOVED FROM PRINTS, LEAVING ONLY RECORD DRAWING INFORMATION REFLECTED IN DRAWINGS
3. WATER "RECORD DRAWINGS" MUST INCLUDE:
   a. PLANS SHOWING PIPE SIZE, MATERIAL AND OFFSET OF MAIN, DEFLECTIONS (IF ANY), STATION OF SERVICES, HYDRANTS, VALVES, FITTINGS, IF ANY, ALL IN STATE PLANE COORDINATES. UTILITY CROSSINGS SHALL BE CLEARLY IDENTIFIED AND LOCATED.
   b. PROFILE SHOWING TOP OF GROUND AND TOP OF PIPE ELEVATIONS AT EVERY 100' STATION AND AT ANY CHANGE IN GRADE (WITH CORRESPONDING STATION), PIPE SIZE AND PIPE MATERIALS REFERENCED TO PLAN.
4. SEWER "RECORD DRAWINGS" MUST INCLUDE:
   a. PLAN SHOWING MANHOLE NUMBER, PIPE SIZE AND PIPE MATERIAL OF PIPE, DEFLECTION, SLOPE OF GRAVITY SEWER, LOCATION OF LATERALS WITH REFERENCE TO MANHOLE AND CLEANOUTS.
   b. THE NORTHERLY AND EASTERLY COORDINATES ON ALL FIELD OBTAINED MEASUREMENTS AND PROVIDED ON ALL RECORD DRAWING SUBMITTALS
   c. PROFILE SHOWING MANHOLE NUMBER (AS PER PLAN), RIM AND INVERT ELEVATIONS (IF MORE THAN ONE INVERT, LABEL NORTH, SOUTH, ETC.), AND STATION STARTING AT 0+00 AT DOWNSTREAM MANHOLE.
5. FORCE MAIN "RECORD DRAWING" SAME AS WATER MAIN.
6. EACH RECORD DRAWING SHALL SHOW THE FLORIDA STATE PLANE COORDINATES (CURRENT READJUSTMENT) OF ALL THE MANHOLES AND VALVES AND OF AT LEAST TWO HORIZONTAL CONTROL POINTS PROPERLY IDENTIFIED AND LOCATED WITHIN THE PROJECT.

* OTHER SCALE MAY BE PERMITTED, BUT MUST BE APPROVED BY THE DEPARTMENT PRIOR TO PREPARATION OF DRAWINGS.

ITEM	CROSS REF.	SPEC. REF.

ISSUE DATE	APPROVED BY
03/11/2009	V.F.C.
07/20/2016	D.V.

STANDARD DETAIL

"RECORD DRAWING" REQUIREMENTS

GS 0.5 SHEET 2 OF 2

MIAMI-DADE COUNTY Delivering Excellence Every Day — WATER & SEWER DEPARTMENT

APPROVED
MIAMI DADE COUNTY FIRE DEPARTMENT
BLDG. PERMIT: _____ FIRE ALARM: _____
FIRE SUPRESSOR: _____ WATER MAIN EXT: _____
Date: 9/24/2025 By: Julian Quintela

MIAMI-DADE COUNTY
WATER AND SEWER DEPARTMENT
Utility Development Plans Review
FINAL APPROVAL PENDING
Subject to Reviews and Approvals from other Agencies
Reviewed: Rafael Hurtado, P.E. Date: 09/24/2025

MIAMI DADE COUNTY
ENVIRONMENTAL HEALTH & ENGINEERING DIVISION
NO WATER MAIN EXTENSION PERMIT REQUIRED
Initials: MBatista Date: 9/26/2025

(NOT PART OF MD-WASD NOTES NOR APPROVAL)
ALL ON-SITE WATER AND SANITARY SEWER LINES/INFRASTRUCTURE ARE PRIVATE

PROJECT LEAD & CIVIL ENGINEERING:
KEITH
301 EAST ATLANTIC BLVD.
POMPANO BEACH, FL 33060
PH: (954) 788-3400
Florida Engineering Business License: CA7928
Florida Surveyor and Mapper Business License: LB6860
Florida Landscape Architecture Business License: LC26000457

LANDSCAPE ARCHITECT:
MKSK
801 INTERNATIONAL PARKWAY
LAKE MARY, FL 32746
407.871.9607
MKSKSTUDIOS.COM

ARCHITECT:
WANNEMACHER JENSEN ARCHITECTS
815 NORTHWEST 57 AVE. SUITE 219
MIAMI, FLORIDA 33126
727-822-5566
WJARC.COM AA0002277

MECHANICAL, PLUMBING, & ELECTRICAL ENGINEERING:
SGM ENGINEERING
5301 WATERFORD DISTRICT DR.
SUITE 750
954-421-1944
SGMENGINEERING.COM CA-00006208

REVISIONS

NO.	DESCRIPTION	DATE

Plotted by: hallsa On 9/24/2025 9:27 AM

ISSUE DATE:	09/24/2025
DESIGNED BY:	HA/CS
DRAWN BY:	HA/CS
CHECKED BY:	JC

This item has been digitally signed and sealed by **Thomas F. Donahue**, P.E. on the date adjacent to the seal.
THOMAS F. DONAHUE LICENSE No. 60529 STATE OF FLORIDA PROFESSIONAL ENGINEER
Signature must be verified on any electronic copies.
09/24/2025

THOMAS F. DONAHUE, P.E.
FLORIDA REG. NO. 60529
(FOR THE FIRM)

CLIENT
VILLAGE OF PINECREST
PINECREST PARKS & RECREATION

PROJECT
GARY MATZNER PARK
6610 N. KENDALL DRIVE
PINECREST, FL 33156

SHEET TITLE
WATER AND SEWER DETAILS

SHEET NUMBER **CU-502**

PROJECT NUMBER **13861.00**

STATUS: CONSTRUCTION DOCUMENTS

Drawing name: K:\13861.00 - Gary Matzner Park Design - Village of Pinecrest\Engineering\Cad\13861.00-CU-5XX.dwg