







PROJECT ENGINEER:



GOMEZ-GARCIA & ASSOCIATES, INC. 19230 STONE OAK PARKWAY, SUITE 302, SAN ANTONIO, TEXAS 78258 (210) 832-9608 - (210) 832-9615 FAX TBPE FIRM REGISTRATION #5362

DEVELOPER:

HYG HOMES, LLC 84 NE LOOP 410 SUITE 242, SAN ANTONIO, TEXAS 78216

JOB NO: 23-1020 HERON VALLEY II ENCLAVE WATER PLANS

INDEX
SHEET

PLAT NO. 22-11800386



OF DRAWINGS

DESCRIPTION

WATER	COVER SHEET
WATER	GENERAL NOTES
WATER	DISTRIBUTION PLAN
WATER	DISTRIBUTION PLAN

REVIEWED BY THE SAN ANTONIO WATER SYSTEM

THIS DOES NOT RELIEVE THE DESIGNING ENGINEER, CONTRACTOR OR SUB-CONTRACTOR OF THE RESPONSIBILITY FOR COMPLYING WITH ALL OF THE SAN ANTONIO WATER SYSTEM AND T.C.E.Q. RULES AND REGULATIONS

BY:____ DATE:

SAWS PRESSURE ZONE 1111 Developer's Name: <u>HYG HOMES, LLC</u> Address <u>84 NE LOOP 410, SUITE 242</u> ___ State____Zip___78216____ City <u>SAN ANTONIO</u> Phone# (<u>210)_832-9608____</u>__Fax# (____)____ SAWS Block Map <u># 112 606</u> Total EDU's <u>42</u> Total Acreage <u>7.383</u> Total Linear Footage of Pipe: 2,842.03 LF(8")HDPE Plat No. 22-11800386 Number of Lots: 41 SAWS Job No. 23-1020

SAWS CONSTRUCTION NOTES COUNTER PERMIT AND GENERAL CONSTRUCTION PERMIT	7. Tl sid re
General Section	8. A sh
1. All materials and construction procedures within the scope of this contract shall be approved by the San Antonio Water System (SAWS) and comply with the Plans, Specifications, General Conditions and with the following as applicable:	9. TI or
 A. Current Texas Commission on Environmental Quality (TCEQ) "Design Criteria for Domestic Wastewater System", Texas Administrative Code (TAC) Title 30 Part 1 Chapter 217 and "Public Drinking Water", TAC Title 30 Part 1 Chapter 290. B. Current TXDOT "Standard Specifications for Construction of Highways, Streets and 	10. TI ot
 D. Current TADOT Standard Specifications for Construction of Highways, Streets and Drainage". C. Current "San Antonio Water System Standard Specifications for Water and Sanitary Sewer Construction". D. Current City of San Antonio "Standard Specifications for Public Works Construction". 	11. He ho W
E. Current City of San Antonio "Utility Excavation Criteria Manual" (UECM).2. The contractor shall not proceed with any pipe installation work until they obtain a copy of the	
approved Counter Permit or General Construction Permit (GCP) from the consultant and has been notified by SAWS Construction Inspection Division to proceed with the work and has arranged a meeting with the inspector and consultant for the work requirements. Work completed by the contractor without an approved Counter Permit and/or a GCP will be subject to removal and replacement at the expense of the contractors and/or the developer.	12. Corre
 The Contractor shall obtain the SAWS Standard Details from the SAWS website, http://www.saws.org/business_center/specs. Unless otherwise noted within the design plans. 	SZ m be
 The Contractor is to make arrangements with the SAWS Construction Inspection Division at (210) 233-2973, on notification procedures that will be used to notify affected home residents and/or property owners 48 hours prior to beginning any work. 	13. A
 Location and depth of existing utilities and service laterals shown on the plans are understood to be approximate. Actual locations and depths must be field verified by the Contractor at least 1 week prior to construction. It shall be the Contractor's responsibility to locate utility service lines as required for construction and to protect them during construction at no cost to SAWS. 	Water Sec 1. Pr Co m SA
6. The Contractor shall verify the exact location of underground utilities and drainage structures at least 1-2 weeks prior to construction whether shown on plans or not. Please allow up to 7 business days for locates requesting pipe location markers on SAWS facilities. The following contact information are supplied for verification purposes:	ac 2. A
 SAWS Utility Locates: http://www.saws.org/Service/Locates COSA Drainage (210) 207-0724 or (210) 207-6026 COSA Traffic Signal Operations (210) 206-8480 COSA Traffic Signal Damages (210) 207-3951 Texas State Wide One Call Locator 1-800-545-6005 or 811 	2. A cc pr di 30
Page 1 of 4 January 2022 installed with a key. The lock and key mechanism will be paid for by the contractor	7. M
January 2022 installed with a key. The lock and key mechanism will be paid for by the contractor but will be installed by SAWS Distribution and Collection staff.	Fi
January 2022 installed with a key. The lock and key mechanism will be paid for by the contractor	Fi Sj 8. A
January 2022 installed with a key. The lock and key mechanism will be paid for by the contractor but will be installed by SAWS Distribution and Collection staff. <u>Sewer Notes</u> 1. The Contractor is responsible for ensuring that no Sanitary Sewer Overflow (SSO) occurs as a result of their work. All contractor personnel responsible for SSO prevention and control shall be trained on proper response. Should an SSO occur, the contractor shall: A. Identify the source of the SSO and notify SAWS Emergency Operations Center (EOC) immediately at (210) 233-2014. Provide the address of the spill and an	Fi Sj 8. A
January 2022 installed with a key. The lock and key mechanism will be paid for by the contractor but will be installed by SAWS Distribution and Collection staff. <u>Sewer Notes</u> 1. The Contractor is responsible for ensuring that no Sanitary Sewer Overflow (SSO) occurs as a result of their work. All contractor personnel responsible for SSO prevention and control shall be trained on proper response. Should an SSO occur, the contractor shall: A. Identify the source of the SSO and notify SAWS Emergency Operations Center (EOC) immediately at (210) 233-2014. Provide the address of the spill and an estimated volume or flow. B. Attempt to eliminate the source of the SSO. C. Contain sewage from the SSO to the extent of preventing a possible	Fi Sj 8. A
January 2022 installed with a key. The lock and key mechanism will be paid for by the contractor but will be installed by SAWS Distribution and Collection staff. <u>Sewer Notes</u> 1. The Contractor is responsible for ensuring that no Sanitary Sewer Overflow (SSO) occurs as a result of their work. All contractor personnel responsible for SSO prevention and control shall be trained on proper response. Should an SSO occur, the contractor shall: A. Identify the source of the SSO and notify SAWS Emergency Operations Center (EOC) immediately at (210) 233-2014. Provide the address of the spill and an estimated volume or flow. B. Attempt to eliminate the source of the SSO.	Fi Sj 8. A
January 2022 installed with a key. The lock and key mechanism will be paid for by the contractor but will be installed by SAWS Distribution and Collection staff. <u>Sewer Notes</u> 1. The Contractor is responsible for ensuring that no Sanitary Sewer Overflow (SSO) occurs as a result of their work. All contractor personnel responsible for SSO prevention and control shall be trained on proper response. Should an SSO occur, the contractor shall: A. Identify the source of the SSO and notify SAWS Emergency Operations Center (EOC) immediately at (210) 233-2014. Provide the address of the spill and an estimated volume or flow. B. Attempt to eliminate the source of the SSO. C. Contain sewage from the SSO to the extent of preventing a possible contamination of waterways. D. Clean up spill site (return contained sewage to the collection system if possible) and properly dispose of contaminated soil/materials.	Fi Sj 8. A
January 2022 installed with a key. The lock and key mechanism will be paid for by the contractor but will be installed by SAWS Distribution and Collection staff. Sewer Notes 1. The Contractor is responsible for ensuring that no Sanitary Sewer Overflow (SSO) occurs as a result of their work. All contractor personnel responsible for SSO prevention and control shall be trained on proper response. Should an SSO occur, the contractor shall: A. Identify the source of the SSO and notify SAWS Emergency Operations Center (EOC) immediately at (210) 233-2014. Provide the address of the spill and an estimated volume or flow. B. Attempt to eliminate the source of the SSO. C. Contain sewage from the SSO the extent of preventing a possible contamination of waterways. D. Clean up spill site (return contained sewage to the collection system if possible) and properly dispose of contaminated soil/materials. E. Clean the affected sewer mains and remove any debris. F. Meet all post-SSO requirements as per the EPA Consent Decree, including line cleaning	Fi Sp 8. A
January 2022 installed with a key. The lock and key mechanism will be paid for by the contractor but will be installed by SAWS Distribution and Collection staff. Sewer Notes 1. The Contractor is responsible for ensuring that no Sanitary Sewer Overflow (SSO) occurs as a result of their work. All contractor personnel responsible for SSO prevention and control shall be trained on proper response. Should an SSO occur, the contractor shall: A. Identify the source of the SSO and notify SAWS Emergency Operations Center (EOC) immediately at (210) 233-2014. Provide the address of the spill and an estimated volume or flow. B. Attempt to eliminate the source of the SSO. C. Contain sewage from the SSO to the extent of preventing a possible contamination of waterways. D. Clean up spill site (return contained sewage to the collection system if possible) and properly dispose of contaminated soil/materials. E. Clean the affected sewer mains and remove any debris. F. Meet all post-SSO requirements as per the EPA Consent Decree, including line cleaning and televising the affected sewer mains (at SAWS direction) within 24 hours.	Fi Sj 8. A
 January 2022 installed with a key. The lock and key mechanism will be paid for by the contractor but will be installed by SAWS Distribution and Collection staff. Sewer Notes 1. The Contractor is responsible for ensuring that no Sanitary Sewer Overflow (SSO) occurs as a result of their work. All contractor personnel responsible for SSO prevention and control shall be trained on proper response. Should an SSO occur, the contractor shall: A. Identify the source of the SSO and notify SAWS Emergency Operations Center (EOC) immediately at (210) 233-2014. Provide the address of the spill and an estimated volume or flow. B. Attempt to eliminate the source of the SSO. C. Contain sewage from the SSO to the extent of preventing a possible contamination of waterways. D. Clean up spill site (return contained sewage to the collection system if possible) and properly dispose of contaminated soil/materials. E. Clean the affected sewer mains and remove any debris. f. Meet all post-SSO requirements as per the EPA Consent Decree, including line cleaning and televising the affected sewer mains (at SAWS direction) within 24 hours. Should the Contractor fail to address an SSO immediately and to SAWS satisfaction, they will be responsible for all costs incurred by SAWS, including any fines from EPA, TCEQ and/or any other Federal, State or Local Agencies. 	Fi Sj 8. A
 January 2022 installed with a key. The lock and key mechanism will be paid for by the contractor but will be installed by SAWS Distribution and Collection staff. Sever Notes 1. The Contractor is responsible for ensuring that no Sanitary Sewer Overflow (SSO) occurs as a result of their work. All contractor personnel responsible for SSO prevention and control shall be trained on proper response. Should an SSO occur, the contractor shall: A. Identify the source of the SSO and notify SAWS Emergency Operations Center (EOC) immediately at (210) 233-2014. Provide the address of the spill and an estimated volume or flow. B. Attempt to eliminate the source of the SSO. C. Contain sewage from the SSO to the extent of preventing a possible contamination of waterways. D. Clean up spill site (return contained sewage to the collection system if possible) and properly dispose of contaminated soll/materials. E. Clean the affected sewer mains and remove any debris. F. Meet all post-SSO requirements as per the EPA Consent Decree, including line cleaning and televising the affected sewer mains (at SAWS direction) within 24 hours. Should the Contractor fail to address an SSO immediately and to SAWS satisfaction, they will be responsible for all costs incurred by SAWS, including any fines from EPA, TCEQ and/or any other Federal, State or Local Agencies. No separate measurement or payment shall be made for this work. All work shall be done according to guidelines set by the TCEQ and SAWS. 1. If bypass pumping is required, the Contractor shall perform such work in accordance with SAWS Standard Specification for Water and Sanitary Sewer Construction, Item No. 864, "Bypass 	7. M Fi SI 8. A ps
 January 2022 installed with a key. The lock and key mechanism will be paid for by the contractor but will be installed by SAWS Distribution and Collection staff. Sever Notes 1. The Contractor is responsible for ensuring that no Sanitary Sewer Overflow (SSO) occurs as a result of their work. All contractor personnel responsible for SSO prevention and control shall be trained on proper response. Should an SSO occur, the contractor shall: A. Identify the source of the SSO and notify SAWS Emergency Operations Center (EOC) immediately at (210) 233-2014. Provide the address of the spill and an estimated volume or flow. B. Attempt to eliminate the source of the SSO. C. Contain sewage from the SSO to the extent of preventing a possible contamination of waterways. D. Clean up spill site (return contained sewage to the collection system if possible) and properly dispose of contaminated soil/materials. F. Clean the affected sewer mains and remove any debris. F. Meet all post-SSO requirements as per the EPA Consent Decree, including line cleaning and televising the affected sewer mains (at SAWS direction) within 24 hours. Should the Contractor fail to address an SSO immediately and to SAWS satisfaction, they will be responsible for all costs incured by SAWS, including any fines from EPA, TCEQ and/or any other Federal, State or Local Agencies. No separate measurement or payment shall be made for this work. All work shall be done according to guidelines set by the TCEQ and SAWS. If bypass pumping is required, the Contractor shall perform such work in accordance with SAWS Standard Specification for Water and Sanitary Sewer Construction, Item No. 864, "Bypass Pumping". Prior to tic-ins, any shutdowns of existing force mains of any size must be coordinated with the SAWS Construction Imspection Division at (210) 233-2973 at least one week in advance of the shutdown. The Contractor is the project the aspro	Fi Sj 8. A
 January 2022 Installed with a key. The lock and key mechanism will be paid for by the contractor but will be installed by SAWS Distribution and Collection staff. Sewer Notes 1. The Contractor is responsible for ensuring that no Sanitary Sewer Overflow (SSO) occurs as a result of their work. All contractor personnel responsible for SSO prevention and control shall be trained on proper response. Should an SSO occur, the contractor shall: A. Identify the source of the SSO and notify SAWS Emergency Operations Center (EOC) immediately at (210) 233-2014. Provide the address of the spill and an estimated volume or flow. B. Attempt to eliminate the source of the SSO. C. Contain sewage from the SSO to the extent of preventing a possible contamination of waterways. D. Clean up spill site (return contained sewage to the collection system if possible) and properly dispose of contaminated sol/materials. C. Clean the affected sewer mains and remove any debris. C. Clean the affected sever mains (at SAWS direction) within 24 hours. Should the Contractor fail to address an SSO immediately and to SAWS satisfaction, they will be responsible for all costs incurred by SAWS, including any fines from EPA, TCEQ and/or any other Federal, State or Local Agencies. Mo separate measurement or payment shall be made for this work. All work shall be done according to guidelines set by the TCEQ and SAWS. Ir hypass pumping is required, the Contractor shall perform such work in accordance with SAWS Shandard Specification for Water and Sanitary Sewer Construction, Item No. 864, "Bypass Pumping". Prior to tic-ins, any shutdowns of existing force mains of any size must be coordinated with the SAWS Construction Inspection Division at (210) 233-2973 at least one week in advance of the shutdown. The Contractor rula sales provide a sequence of work as related to the tic-ins; this is at no additional cost to SAWS or the project a	Fi Sp 8. A

January 2022

ntractor shall be responsible for restoring existing fences, curbs, streets, driveways, ks, landscaping and structures to its original or better condition if damages are made as a f the project's construction.

k in Texas Department of Transportation (TxDOT) and/or Bexar County right-of-way done in accordance with respective construction specifications and permit requirements.

ntractor shall comply with City of San Antonio or other governing municipality's tree ces when excavating near trees.

ntractor shall not place any waste materials in the 100-year Flood Plain without first g an approved Flood Plain Permit.

Work: Contractors will not be allowed to perform SAWS work on SAWS recognized Request should be sent to constworkreq@saws.org.

Work: Contractors are required to notify the SAWS Inspection Construction nent 48 hours in advance to request weekend work. Request should be sent to orkreq@saws.org.

d all SAWS utility work installed without holiday/weekend approval will be subject to be red for proper inspection.

ction note (Item 804): The contractor shall be responsible for meeting the compaction nents on all trench backfill and for paying for the tests performed by a third party. ction tests will be done at one location point randomly selected, or as indicated by the Inspector and/or the test administrator, per each 12-inch loose lift per 400 linear feet at a m. This project will not be accepted and finalized by SAWS without this requirement net and verified by providing all necessary documented test results.

of all testing reports shall be forwarded to SAWS Construction Inspection Division.

tie-ins, any shutdowns of existing mains of any size must be coordinated with the SAWS ction Inspection Division at least one week in advance of the shutdown. The Contractor provide a sequence of work as related to the tie-ins; this is at no additional cost to r the project and it is the responsibility of the Contractor to sequence the work

For water mains 12" or higher: SAWS Emergency Operations Center (210) 233-2014

os Cement (AC) pipe, also known as transite pipe which is known to contain asbestosing material (ACM), may be located within the project limits. Special waste management ares and health and safety requirements will be applicable when removal and/or ance of this pipe occurs. Such work is to be made under Special Specification Item No. Special Specification for Handling Asbestos Cement Pipe".

Page 2 of 4

January 2022 and all pipe testing (including the TV inspection) must be performed and passed prior to ield Acceptance by SAWS Construction Inspection Division, as per the SAWS ations For Water and Sanitary Sewer Construction.

C pipe over 14 feet of cover shall be extra strength with minimum pipe stiffness of 115

3. Valve removal: Where the contractor is to abandon a water main, the control valve located on the abandoning branch will be removed and replaced with a cap/plug. (NSPI)

4. Suitable anchorage/thrust blocking or joint restraint shall be provided at all of the following main locations: dead ends, plugs, caps, tees, crosses, valves, and bends, in accordance with the Standard Drawings DD-839 Series and Item No. 839, in the SAWS Standard Specifications for Construction.

- 5. All valves shall read "open right".
- 6. PRVs Required: Contractor to verify that no portion of the tract is below ground elevation of <u>926</u> feet where the static pressure will normally exceed 80 PSI. At all such locations where the ground level is below <u>926</u> feet, the Developer or Builder shall install at each lot, on the customer's side of the meter, an approved type pressure regulator in conformance with the Plumbing Code of the City of San Antonio. No dual services allowed for any lot(s) if *PRV is/are required for such lot(s), only single service connections shall be allowed. *Note: A pressure regulator is also known as a pressure reducing valve (PRV).

7. Pipe Disinfection with Dry HTH for Projects less than 800 linear feet. (Item No. 847.3): Mains shall be disinfected with dry HTH where shown in the contract documents or as directed by the Inspector, and shall not exceed a total length of 800 feet. This method of disinfection will also be followed for main repairs. The Contractor shall utilize all appropriate safety measure to protect his personnel during disinfection operations.

8. Backflow Prevention Devices:

- All irrigation services within residential areas are required to have backflow
- prevention devices. All commercial backflow prevention devices must be approved by SAWS
- prior to installation.
- 9. Final connection to the existing water main shall not be made until the water main has been pressure tested, chlorinated, and SAWS has released the main for tie-in and use.
- 10. Division Valves: Division Valves shown on plans or not shown on plans but found in the field shall only be operated by SAWS Distribution and Collection staff and only with prior written approval of the SAWS Director of Production and Operations and proper coordination with all SAWS departments. Contractor shall provide written notification to the inspector a minimum of two weeks in advance to start the coordination process and will be informed by the Inspector when the division valve will be operated by the SAWS Distribution and Collection staff. The Division Valve can only be operated by SAWS Distribution and Collection staff member not the inspector or the contractor. Operation of a Division Valve without the express prior written approval of the SAWS Distribution and Collection staff will constitute a material breach of any written SAWS contract or permit in addition to subjecting the Contractor to liability for any and all fines, fees, or other damages, direct or consequential, that may arise from or be caused by the operation of the valve without prior written permission. Please be informed that the approval of the operation or opening or closing of a division valve can take several weeks for approval. Division Valves will also have a valve lid labeled Division Valve and a locking mechanism Page 3 of 4

January 2022

PLAT NO. 22-11800386

SAWS PRESSURE ZONE 1111 Developer's Name: <u>HYG HOMES, LLC</u> Address <u>84 NE LOOP 410, SUITE 242</u> City <u>SAN ANTONIO</u> State<u>TEXAS</u> _____ Zip____78216___ Phone# (210) 832-9608 ____ Fax# (____)_ SAWS Block Map # <u>112 606</u> Total EDU's <u>42</u> Total Acreage <u>7.383</u> Total Linear Footage of Pipe: <u>2,842.03 LF(8")HDPE</u> Plat No. <u>22-11800386</u> Number of Lots: 41 SAWS Job No. 23-1020

REVISIONS: NO. DATE DESCRIPTION	
	GOMEZ-GARCIA & ASSOCIATES, INC. 19230 STONE OAK PARKWAY, SUITE 302, SAN ANTONIO, TEXAS 78258 (210) 832-9608 - (210) 832-9615 FAX TBPE FIRM REGISTRATION #5362
2-01-2024	90145 90145 CENSE CE
ENCLAVE	
HERON VALLEY II	WATER GENERAL NOTES

34 **OF** 36









