



## GULF COAST WATER AUTHORITY APPLICATION FOR CROSSING AGREEMENT

The undersigned ("Applicant") requests permission from Gulf Coast Water Authority ("GCWA") to install

### **((1) 8" Water Line Crossing Under American Canal)**

(the "Crossing") [ ] over, [ **X** ] under or [ ] alongside (**check one**) the GCWA's canal or other property at the location described in **Exhibit A**, and in accordance with the plans and specifications attached as **Exhibit B**. The plans and specifications on **Exhibit B** must include, at a minimum: a cross section drawing showing the profile of the proposed crossing and including the depth any proposed structure under the flow line of the canal or the height of the proposed structure over the top of the canal, widths or dimensions / sizes of the structure, whether the structure will be encased and the type of encasement material, any boring method (whether conventional, straight line bore or directional bore), the requested width of the crossing structure license strip (the area within which the Crossing will be located). GCWA may require additional information for approval. The area in which construction will be performed shall also be described on **Exhibit A** and labeled the "Construction Area". Construction is anticipated to begin approximately June 2026, and to be completed no later than June 2028.

If the Applicant is not an individual, the person signing this Application must also provide evidence (s)he has authority to execute the document.

Signed the \_\_\_\_\_ day of \_\_\_\_\_, 2026.

\_\_\_\_\_  
Applicant (Name of Company)

\_\_\_\_\_  
Authorized Applicant Representative

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Address

\_\_\_\_\_  
Phone Number

Rev. 3.23.2023

\_\_\_\_\_

**GULF COAST WATER AUTHORITY  
CANAL CROSSING AGREEMENT  
Fort Bend County, Texas  
Water Line Crossing**

**Grantor:** GULF COAST WATER AUTHORITY, INCLUDING ITS SUCCESSORS AND ASSIGNS

Grantor's Mailing Address : 4243 Emmett F. Lowry Expressway  
Texas City, Texas 77591  
Galveston County

**Grantee:** [Fort Bend County], INCLUDING ITS SUCCESSORS AND ASSIGNS

Grantee's Mailing Address: 301 Jackson Street  
Richmond, Texas 77469  
Fort Bend County

**License Strip:** That certain area of land noted as the "License Strip" described on **Exhibit A** attached hereto and made a part hereof for all purposes.

**Construction Area:** That certain Parcel of land described on **Exhibit A** and noted as the "Construction Area". All construction activities shall be confined within the boundaries of the Construction Area. All construction shall be performed in accordance with the plans and specifications described in **Exhibit B**. All of **GRANTEE'S** rights to use the Construction Area will terminate upon completion of the construction of the 8" Water Line Crossing under American Canal. Construction activities shall include all of **GRANTEE'S** activities undertaken with respect to the Water Line whether initial construction, maintenance, repairs, supplemental construction or reconstruction, except for ingress and egress.

**Consideration:** Grantor grants the rights conferred in this Crossing Agreement in exchange for the payment by Grantee of all fees or other charges described in the Application for Crossing Agreement (the "Application") signed by Grantee, delivered to Grantor, the terms of the Application are incorporated herein by reference as if fully set forth; and in addition in exchange for Grantee's grant to Grantor of any additional ingress and egress access rights designated on Exhibit B attached hereto and made a part hereof.

**Reservations from and Exceptions to License:** Easements, rights of way and prescriptive rights, whether of record or not; and valid instruments, presently recorded in the county or counties in which the License Strip is located, that affect the License Strip or that affect real property burdened by the License granted herein or the License Strip in whole or in part.

- 1) **Grant of License.** **GRANTOR**, for the consideration and subject to the reservations from and exceptions to license grants to **GRANTEE**, its successors and assigns, a non-exclusive license for the purpose of constructing, maintaining, operating, repairing, removing, replacing and upgrading one Water Line under American Canal and appurtenances thereto (hereinafter called the "Crossing"), over, under, alongside the

License Strip, together with the right of ingress and egress over, along and across the License Strip for the purpose of operating and maintaining (within the License Strip) the Crossing. Grantee agrees that this agreement becomes null and void if by September 2028 (90 days after the anticipated completion date June 2028) the Grantee fails to provide the Grantor as-built Exhibits A and B certified by a Texas registered professional land surveyor in 8 ½ x 11 or 11 x 17 sheet hardcopies form and electronic .pdf images and approved by the Grantor. Exhibit coordinates shall be provided in NAD 83 Texas South Central Zone. Units shall be reported in US survey feet using grid bearings and grid distances and shall be tied to a class 1 or better NGS monument on horizontal and vertical. A table shall be included that reports the grid coordinates for any monument used and all points of inflection. Notwithstanding the foregoing, upon written request of **GRANTEE**, **GRANTOR** may approve an extension to the completion date if **GRANTOR** determines that there is no material change to the Crossing. An extension will be evidenced by a written supplement to this Crossing Agreement signed by **GRANTEE** and **GRANTOR'S** General Manager, or the General Manager's designee, documenting the new completion date and corresponding date for the submittal of the as-built Exhibits A and B as described herein.

- 2) **Limitations on Use.** Except as otherwise specifically set forth herein, **GRANTEE** shall have no right to go or travel upon, over or across any lands of **GRANTOR** except for the License Strip and Construction Area (during construction of the Crossing). Nothing contained herein shall grant or be construed to grant to **GRANTEE** the right (i) to use the License Strip or Construction Area for any purpose other than for the purposes set forth herein or (ii) to change the dimensions or location of the License Strip or Construction Area. During the initial construction of the Crossing, and at all times after completion, **GRANTEE** must not interfere with the operation or maintenance of **GRANTOR'S** facilities or any other activity of **GRANTOR** or its lessees, invitees, agents, customers, contractors, successors or assigns. All persons entering upon the License Strip or Construction Area under this grant shall confine themselves to the operations and purposes contemplated herein, and no trespassing or other uses shall be permitted by **GRANTEE**, its employees, agents or contractors.
- 3) **Termination of License.** The license, rights and privileges granted hereunder shall terminate when, or at such time as, (i) the purposes hereof cease to exist, are abandoned by **GRANTEE**, or become impossible of performance, or (ii) **GRANTEE** fails to observe any term, covenant, or condition contained in this Agreement or the Application, following thirty (30) days written notice of such failure. The thirty day notice provision does not apply to a lapse in any required insurance coverage required under this agreement. Within 90 days following termination of this Agreement, **GRANTEE** must remove from the License Strip and Construction Area the Crossing and any other structures or property placed thereon by **GRANTEE**. If **GRANTEE** fails to do so, **GRANTOR** may remove such property and dispose of it as it sees fit, without liability to **GRANTEE** for any reason, and **GRANTEE** must reimburse **GRANTOR** upon demand for any cost or expense incurred by **GRANTOR** in connection therewith.
- 4) **Grantee Responsible for Damages.** The consideration paid to **GRANTOR** by **GRANTEE** in connection with the execution of this agreement is solely for the grant of the license and rights herein granted and does not cover any damages caused to the surface of **GRANTOR'S** lands or to Grantor's facilities within the License Strip or the Construction Area in connection with the initial construction of the Crossing, or which may occur to

**GRANTOR's** other lands, facilities or property in connection with the initial construction of said Crossing or by reason of the operation, maintenance, repair and/or servicing of the Crossing or any other damages incurred from time to time, and **GRANTEE** shall pay and agrees to pay **GRANTOR** any and all other such damages promptly as they may accrue.

- 5) **Compliance with Laws.** **GRANTEE** agrees to comply at all times and at its sole cost with all applicable federal, state and local laws, rules, regulations and safety standards in connection with **GRANTEE's** activities hereunder, including, without limitation, the construction, use, operation, maintenance, repair and service of the Crossing.
- 6) **Maintenance and Repairs.** Grantee must at its sole cost maintain the Crossing and the License Strip in good repair and condition. Grantor has no obligation to repair or maintain the Crossing or the License Strip. Should it become necessary at any time subsequent to completion of the Crossing for **GRANTEE** to enter upon the License Strip for the purposes of maintaining, repairing, operating, servicing or removing the Crossing as required or permitted hereunder, **GRANTEE** shall, after each entry upon said License Strip, leave said land at the same level and condition that it was in prior to such entry; and in the event that any such entry should cause or produce damage to roads, tracks, fences, pavement or other improvements that may be situated on said land, or cause or produce damages to the surface of the License Strip, or any other lands or property of **GRANTOR**, **GRANTEE** shall, at Grantor's sole election, promptly repair such damage to Grantor's satisfaction or pay to **GRANTOR** any and all damages that may be caused by reason of any such subsequent entry.
- 7) **Relocation or Modification of Crossing.** **GRANTEE** shall be solely responsible for relocating or modifying any existing improvements on **GRANTOR's** lands as may be required to construct and maintain the Crossing, but **GRANTOR** must consent in advance to any such relocation or modification of existing improvements. In addition, **GRANTEE** must, upon **GRANTOR's** written request, commence with due diligence to relocate or modify the Crossing to accommodate **GRANTOR's** use of its lands, and **GRANTEE** shall be solely responsible for all costs associated therewith. If applicable, **GRANTEE** must, upon **GRANTOR's** request, sleeve or de-energize that portion of the Crossing located over **GRANTOR's** lands, during canal maintenance and **GRANTEE** shall be solely responsible for all cost associated therewith.
- 8) **Construction of Crossing.** The Crossing must be constructed within the License Strip. Before construction may commence, **GRANTEE** must give **GRANTOR** at least 72 hours advance notice of its intent to begin construction. **GRANTEE** may begin construction of the Crossing at any time after receiving **GRANTOR's** written notice to proceed and must complete construction no later than June 2028 (or such later date as may be agreed to by **GRANTEE** and **GRANTOR** pursuant to Section 1 hereof). The Crossing must be constructed according to the plans and specifications set forth on Exhibit B. All construction activity must be confined to the Construction Area. Upon completion of the Crossing, **GRANTEE** shall (i) repair all damage to roads, tracks, fences, pavement and other structures or items located on **GRANTOR's** lands (including the License Strip and Construction Area) and restore same to their condition prior to construction and (ii) restore and clean the surface of the land covered by the License Strip and Construction Area to its condition prior to construction. **GRANTEE** is not and shall not be construed as **GRANTOR's** agent in contracting for any improvements to the License Strip, and shall have no authority to pledge, mortgage, hypothecate or otherwise encumber any interest

in the above or any other property of **GRANTOR**, except for **GRANTEE**'s license rights hereunder. **GRANTEE** shall not permit any lien to be placed upon **GRANTOR**'s real or personal property on account of any actual or alleged act, failure to act, or obligation of **GRANTEE**, and **GRANTEE** shall promptly take all steps necessary to remove any lien from **GRANTOR**'s real or personal property which lien is imposed because or on account of any alleged or actual act, failure to act, or obligation of **GRANTEE**. **GRANTEE**'s obligations with respect to liens as described in this paragraph extend to any activity or omission of **GRANTEE**, and are not confined to liens imposed in connection with **GRANTEE**'s initial construction activities.

- 9) **Marking Location of Crossing.** If the Crossing is a pipeline, then **GRANTEE** shall maintain markings along the entire length of the pipeline and the License Strip throughout the term of this agreement, which will inform anyone performing work in the area of the Crossing, and of all reasonable and necessary precautions to take prior to performing any work.
  
- 10) **Insurance.** **GRANTEE** must, at its sole expense, maintain in effect at all times during the term of this agreement the following insurance policies:
  - a) **Commercial General Liability Insurance.** **GRANTEE** must maintain commercial general liability insurance, including pollution liability coverage, covering **GRANTOR** and the officers, directors, employees, agents, successors and assignees of **GRANTOR** and **GRANTEE** for liability for property damage, bodily injury, personal injury, and death. The insurance provided under this section must be in the amount of not less than \$1,000,000 per occurrence for property damage and not less than \$1,000,000 per occurrence/\$5 million aggregate for personal injury, bodily injury, or death. This insurance must protect against liability to any employees or servants of **GRANTEE** and to any other person or persons whose property damage, personal injury, or death arises out of or in connection with the occupation, use, or condition of the Crossing, the License Strip, or the Construction Area, and must include
    - (i) coverage for premises and operations, (ii) coverage for products liability, and (iii) contractual liability coverage insuring the obligations of **GRANTEE** under the terms of this Agreement. Such policy must name **GRANTOR** and the officers, directors, employees, agents of **GRANTOR** and any successors and assignees designated by **GRANTOR** as an additional insured.
  
  - b) **Workers Compensation.** **GRANTEE** must maintain workers compensation insurance to protect against claims under Texas Workers Compensation laws as well as all Federal acts applicable to **GRANTEE**'s operations at the License Strip or the Construction Area. The limit of liability for such coverage must at least meet applicable statutory requirements. Additionally, each policy must contain an endorsement waiving all rights of subrogation against **GRANTOR** and the officers, directors, employees, agents of **GRANTOR** and any successors and assignees designated by **GRANTOR**.
  
  - c) **Employer's Liability.** **GRANTEE** must maintain employer's liability insurance in the minimum amount of \$1,000,000 per occurrence for personal injury, bodily injury, or death to any employee of **GRANTEE** who may bring a claim outside the scope of the Texas Worker's Compensation laws or federal acts applicable to **GRANTEE**'s operations at the License Strip or the Construction Area. Additionally, each policy must contain an endorsement waiving all rights of subrogation against **GRANTOR** and the officers, directors, employees, agents of **GRANTOR** and any successors and assignees designated by **GRANTOR**.

- d) **Automobile Insurance.** GRANTEE must maintain automobile liability insurance coverage on all its owned or rented vehicles in the minimum amount of \$1,000,000 combined single limit coverage per occurrence. Additionally, each policy must contain an endorsement waiving all rights of subrogation against **GRANTOR** and the officers, directors, employees, agents of **GRANTOR** and any successors and assignees designated by **GRANTOR**.
- e) **Waiver of Subrogation and Other Rights.** To the extent allowed by law, **GRANTOR** and **GRANTEE** agree to waive any and all rights of recovery, claims, actions, or causes of action against the other, its agents, officers, directors and employees for any injury, death, loss, or damage that may occur to persons or to the Crossing, the License Strip, or the Construction Area, or any personal property of such party on the Crossing, the License Strip, or the Construction Area, by reason of fire, windstorm, earthquake, flood or any other risks, or any other cause that is insured under the insurance policy or policies that either party is required to provide or maintain under this agreement, regardless of cause or origin, except to the extent of the gross negligence or intentional misconduct of either party hereto, its agents, officers, directors or employees, and each party covenants that no insurer will hold any right of subrogation against the other.
- f) **Insurance Requirements.** The phrase "Required Policy" means each policy of insurance required to be maintained by **GRANTEE** under the terms of this agreement. Each Required Policy must be written by a company satisfactory to **GRANTOR**, but in all events by a company with an A.M. Best Company financial rating of not less than A - XII (or a similar rating by a comparable service selected by **GRANTOR** should A.M. Best Company cease providing such ratings) and be licensed to do business in Texas or, if the aforesaid is not available, by a company qualified to do business as a non-admitted insurer in Texas under current Texas surplus lines requirements. **GRANTEE** must deliver to **GRANTOR** a certificate of insurance for any Required Policy within 10 days of execution of this agreement. The required evidence of coverage must always be deposited with **GRANTOR**. If **GRANTEE** fails to do so, such failure may be treated by **GRANTOR** as a default by **GRANTEE** under this agreement and **GRANTOR**, in addition to any other remedy under this agreement, may purchase and maintain such Required Policy and **GRANTEE** must immediately reimburse **GRANTOR** for any premiums paid or costs incurred by **GRANTOR** in providing such insurance. Failure of **GRANTEE** to reimburse **GRANTOR** is a default by **GRANTEE** of this agreement.
- g) **Intentionally Deleted.**
- 11) **Intentionally Deleted.**
- 12) **Grantor's Reserved Rights.** **GRANTOR** expressly reserves unto itself and **GRANTOR**'s successors and assigns, the right to use and enjoy the land covered by the License Strip and the Construction Area for any purposes whatsoever, except insofar as said use and enjoyment unreasonably interferes with the rights hereby granted to **GRANTEE**. **GRANTOR** specifically reserves the right (i) to grant additional easements or rights-of-way upon or across the License Strip to such other persons or entities and for such purposes as **GRANTOR** may desire, (ii) to extend roads, railroad tracks, or other structures across or along the License Strip, (iii) to construct or locate upon or across the

License Strip fences, signs, pavement and other such items or materials, (iv) to use the License Strip for the disposal of surface water, rain or any excess water collecting upon **GRANTOR's** land, and (v) to change the dimensions or location of the License Strip (at **GRANTEE's** sole cost and expense); provided that, in all such cases, **GRANTEE** shall not be unreasonably and permanently disturbed in the enjoyment of the rights hereby granted to **GRANTEE**.

- 13) **Required Contract Provisions.** Every contract entered into between **GRANTEE** and any mechanic, material man, laborer, worker, artisan, contractor or subcontractor (a "Contractor"), and every contract entered into between a Contractor and any other Contractor, must contain a provision by which each Contractor agrees to indemnify and hold harmless the **GRANTOR** and the officers, directors, employees, agents, successors and assignees of **GRANTOR** (the **GRANTOR** and such persons are collectively referred to as the "Indemnified Persons") from and against any and all (i) mechanics', material men's or other liens or claims and all costs and expenses, including attorneys fees, associated therewith, arising out of any such work, (ii) loss **GRANTOR** may suffer due to **GRANTEE's** failure to comply with the insurance requirements set forth in Section 10 of this Agreement, including the requirement for obtaining waivers of subrogation, and due to any insurance coverage being invalidated because of **GRANTEE's** failure to comply with the terms, covenants, conditions, and warranties of any Required Policy, and (iii) liability, damages, suits, actions, costs and expenses of whatsoever nature (including attorney's fees and expenses) to persons or property ("Claims") caused by or arising out of any of **GRANTEE's** (or its employees', agents', or Contractors') operations hereunder or otherwise relating to the construction, operation, maintenance, and/or service of the Crossing or the License Strip and/or caused by or arising out of **GRANTEE's** (or its employees', directors' agents', or Contractors') failure to comply at all times with all applicable Laws in connection with the construction, use, operation, maintenance and/or servicing of the Crossing, including any Claim alleged to be caused in whole or in part by the negligence or other wrongful act of an Indemnified Person.
- 14) **Notices.** Any notice provided or permitted to be given in this agreement must be in writing and may be given by depositing the notice in the United States mail, postage prepaid, certified with return receipt requested, and addressed to the party to be notified at the address set forth below, or at the last address for notice which the sending party has for the party to be notified at the time the notice is sent. Notice deposited in the mail in the foregoing manner shall be effective upon receipt or refusal. Notice given in any other manner shall be effective only if and when actually received by the party to be notified. For purposes of notice, the addresses of the parties shall be as described on the first page of this agreement. Either party, by notifying the other party hereto in the manner provided in this paragraph, may designate a different address for receipt of subsequent notices.
- 15) **Environmental Matters.** **GRANTEE** shall not be responsible for removal, disposal, or any fines or other expenses relating to any or all hazardous substances or solid wastes stored, disposed of, or otherwise released onto or from the Crossing, the Construction Area, the License Strip or adjacent property prior to the execution of this agreement **GRANTEE** will not cause or permit the License Strip, the Construction Area, or **GRANTOR** to be in violation of, or do anything or permit anything to be done by **GRANTEE**, its Contractors, agents or employees which will subject the License Strip, the Construction Area, or **GRANTOR** to any remedial obligations under applicable laws pertaining to health or the environment (such laws as they now exist or are hereafter enacted and/or amended are hereinafter sometimes collectively called "Applicable Environmental Laws"), including

without limitation the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended by the Superfund Amendments and Reauthorization Act of 1986 (as amended, hereinafter called "CERCLA"), the Resource Conservation and Recovery Act of 1976, as amended by the Used Oil Recycling Act of 1980, the Solid Waste Disposal Act Amendments of 1980, and the Hazardous and Solid Waste Amendments of 1984 (as amended, hereinafter called "RCRA"), the Texas Water Code and the Texas Solid Waste Disposal Act, or any other applicable state, federal, county or municipal law, rule or regulation relating to environmental issues, as each of said laws may be amended from time to time, assuming disclosure to the applicable governmental authorities of all relevant facts, conditions and circumstances, if any, pertaining to **GRANTEE**'s use of the License Strip and Construction Area. **GRANTEE** agrees to obtain any permits, licenses or similar authorizations, to construct, operate or use the Crossing, the Construction Area, and the License Strip for the purposes set forth herein by reason of any Applicable Environmental Laws which concern or result from the use of the Crossing, the Construction Area, or the License Strip. **GRANTEE** will promptly notify **GRANTOR** in writing of any existing, pending or, to the best knowledge of **GRANTEE**, threatened investigation or inquiry by any governmental authority in connection with any Applicable Environmental Laws concerning **GRANTEE**'s use of the Crossing, the Construction Area, or the License Strip and **GRANTEE**'s use, operation and maintenance of **GRANTEE**'s facilities. In connection with **GRANTEE**'s use, operation and maintenance of the Crossing, the Construction Area, and the License Strip, **GRANTEE** will not cause or permit the disposal or other release of any hazardous substance or solid waste on or to the Crossing, the Construction Area, or the License Strip. In connection with **GRANTEE**'s use, operation and maintenance of the License Strip, **GRANTEE** covenants and agrees to keep or cause the Crossing, the Construction Area, and the License Strip to be kept free of such hazardous substance or solid waste and to remove the same (or if removal is prohibited by law, to take whatever action is required by law) promptly upon discovery, at **GRANTEE**'s sole cost and expense. If **GRANTEE** fails to comply with or perform any of the foregoing covenants and obligations, **GRANTOR** may (without any obligation, express or implied) remove any hazardous substance or solid waste from the Crossing, the Construction Area, or the License Strip (or if removal is prohibited by law, take whatever action is required by law) and the cost of the removal or such other action shall be reimbursed by **GRANTEE** to **GRANTOR**. **GRANTEE** grants to **GRANTOR** and its agents, employees, officers, directors, contractors and consultants access to the Crossing, the Construction Area, and the License Strip and the license (which is coupled with an interest and irrevocable) to remove such hazardous substance or solid waste (or if removal is prohibited by law, to take whatever action is required by law) and agrees to reimburse **GRANTOR** for and, to the extent allowed by law, hold **GRANTOR** harmless from all costs and expenses involved therewith. The terms "hazardous substance" and "release" as used in this agreement shall have the meaning specified in CERCLA, and the terms "solid waste" and "disposal" (or "disposed") shall have the meanings specified in RCRA; provided, that if either CERCLA or RCRA is amended so as to broaden the meaning of any term defined thereby, such broader meaning shall apply hereunder subsequent to the effective date of such amendment and provided further, to the extent that any other federal or state law established a meaning for "hazardous substance", "release", "solid waste", or "disposal" which is broader than that specified in either CERCLA or RCRA, such broader meaning shall apply.

- 16) **Disclaimer of Warranties.** **GRANTOR** has executed and delivered this agreement, and **GRANTEE** has received and accepted this agreement, the Crossing, the Construction Area, and the License Strip, **AS IS, WHERE IS, AND WITH ALL FAULTS, EXCEPT AS OTHERWISE SET FORTH IN SECTION 14 ABOVE, AND WITHOUT ANY**





On the page

- 7) Place a table with each points Texas State Plane NAD 83 Texas South Central grid x and y coordinates in feet. In the table heading state the NGS class 1 or better monument designation number used for the survey and the monument X,Y,Z coordinates.
- 8) On the final as built version to be filed at the County Clerk's office the Professional Texas Registered Engineer Stamp, Engineer signature, and the final drawing date.

*NOTE: Fonts must be readable (8 points or larger). Sheet sizes 11 x 17 may be substituted for 8 1/2 x 11 sheets and additional sheets marked Exhibit A1, A2, . may be included. Detail call out bubble(s) may be used.*

**\*Subject to extension as provided in Section 1 of the Crossing Agreement.**

Rev. 3.23.2023

## EXHIBIT B Requirements Construction Design Drawings

**CHECKLIST:**

*The Structure's design profile that depicts:*

- 1) *The view of the Structure's X – Y horizontal plane (plan view) on the top half of the sheet on a Texas State Plane NAD 83 Texas South Central x and y coordinate grid scale in feet (label sheet scale grid lines along the sheet margins). Mark the License Strip area (four or more points that are depicted on Exhibit A).*
- 2) *The view of the Structures X - Z vertical plane (elevation view) on the bottom half of the sheet that lines-up with the top plan view on a Texas State Plane NAD 83 Texas South Central x and NAVD 88 z coordinate grid scale in feet (label sheet grid lines along the sheet margin).*  
*Label coordinate points (i.e. continue series from Exhibit A and above i.e. .5,6,7,8 ...) for:*
  - a. *Buried Structures such as Cable, Pipeline, Drainage Canal, Under drains, ... : highest outside diameter elevation (the minimum requirement is 5 feet below GCWA lowest improvement point).*
  - b. *Canal Culver Bridge: Bottom flowline elevation point.*
  - c. *Canal Free Span Bridge: Lowest elevation point.*
  - d. *Aerial Structures: Lowest elevation point.*

*Place a table on the sheet to list the coordinate points required above (1,2,3,...) with their Texas State Plane NAD 83 Texas South Central x and y; and NAVD 88 z coordinates in feet. In the table heading state the class 1 or better NGS monument designation number used for the survey and the monuments x, y, and z coordinates.*

- 3) *List of special design requirements / instructions to contractors required by GCWA (i.e. materials of construction, special procedures including notification contacts and timing restraints, ...) on the sheet or a second sheet (i.e. Exhibit B-2).*
- 4) *As-built must have Professional Texas Registered Engineer Stamp, Engineer signature, and drawing date.*
- 5) *North direction arrow on the sheet.*

*NOTE: Fonts must be readable (8 points or larger). If necessary, may use 11 x 17 sheets. Detail call out(s) /bubble(s) may be used.*

**NOTE: At least fourteen (14) days prior to the commencement of any construction activity, GCWA must be notified, and an onsite pre-construction coordination meeting must be scheduled.**

METES AND BOUNDS DESCRIPTION  
OF A 0.5056 ACRE (22,024 SQUARE FEET) TRACT OF  
LAND SITUATED IN THE THOS W. THOMPSON SURVEY, ABSTRACT 335  
OF FORT BEND COUNTY, TEXAS

Being a 0.5056 acre (22,024 square feet) tract of land situated in the Thos W. Thompson Survey, Abstract 335 of Fort Bend County, Texas, being out of a called Gulf Coast Water Authority 13.68 acre tract as recorded in C.F. No. 8842394, F.B.C.O.P.R., said 0.5056 acre tract being more particularly described by metes and bounds description as follows, all bearings and surface coordinates recited herein are referenced to the Texas Coordinate System, South Central Zone, North American Datum of 1983, (NAD 83), 2011 adjustment, all surface coordinates and distances recited herein may be converted to grid by dividing surface values by a scale factor of 1.00013;

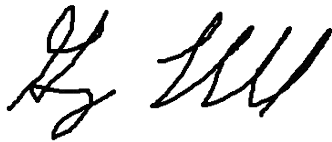
**BEGINNING** at a set 5/8-inch iron rod with GeoSurv/TSC Surveying cap for the most Southerly corner of the herein described tract and in the Southwesterly line of said called 13.68 acre tract, and which bears South 55° 00' 06" East from a one-half inch iron rod with cap marked Gormly 1918, said Beginning Point having surface coordinates of N = 13,767,878.36 and E = 3,093,913.86;

1. **THENCE**, North 54° 26' 33" East, along the Southwesterly line of said called 13.68 acre tract and a Northeasterly line of a called 166.69 acre tract as recorded in C.F. No. 2005144303, F.B.C.O.P.R., 220.81 feet to a set 5/8-inch iron rod with GeoSurv/TSC Surveying cap for the most Westerly corner of the herein described tract and being a point on the arc of a non-tangent curve to the left;
2. **THENCE**, in a Northeasterly direction along the arc of said non-tangent curve to the left along the proposed Northerly Right-of-Way line of Lake Olympia Parkway (Right-of-Way width varies) having an arc distance of 46.06 feet, a radius of 1,897.50 feet, a central angle of 01° 23' 27", a chord that bears North 67° 51' 37" East, 46.06 feet to a set 5/8-inch iron rod with GeoSurv/TSC Surveying cap for the end of said curve to the left;
3. **THENCE**, North 67° 09' 54" East, along the proposed Northerly Right-of-Way line of Lake Olympia Parkway, 71.71 feet to a set 5/8-inch iron rod with GeoSurv/TSC Surveying cap for the most Northerly corner of the herein described parcel and located in the Southwesterly line of a called 198.29 acre tract recorded in C.F. No. 2005144303, F.B.C.O.P.R.;
4. **THENCE**, South 54° 26' 33" East, along the Northeasterly line of said called 13.68 acre tract and the Southwesterly line of said called 198.29 acre tract, a distance of 220.16 feet to a set 5/8-inch iron rod with GeoSurv/TSC Surveying cap for the most Easterly corner of the herein described tract;

5. **THENCE**, South 67° 09' 54" West, a distance of 117.42 feet to the **POINT OF BEGINNING** and containing a computed 0.5056 acre (22,024 square feet) of land.

The area and square footage mentioned herein for this parcel is based on the mathematical closure of the courses and distances as reflected on this survey and description, it does not include the tolerances that may be present due to position accuracy of the boundary monumentation.

The above description was prepared in conjunction with a Parcel Map of the same date and submitted to Fort Bend County Engineer's Office of Fort Bend County, Texas.



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Georg R. Lardizabal, R.P.L.S.  
Registered Professional Land Surveyor No. 6051  
GeoSurv, Inc. Company d/b/a TSC Surveying  
10970 Stancliff Road  
Houston, Texas 77099  
(713) 784-4466 - Office  
Texas Firm Registration No. 10083100



GULF COAST WATER AUTHORITY  
 FORMERLY GALVESTON COUNTY WATER AUTHORITY  
 C.F. NO. 8842394  
 JULY 20, 1988  
 CALLED 13.68 ACRE TRACT  
 (DESIGNATED AS TRACT NO. 4)  
 VOL. 815, PG. 110 F.B.C.D.R.  
 TRACT 2

BLUE RIDGE LANDFILL TX, LP  
 CALLED 166.69 ACRE TRACT  
 (DESIGNATED AS TRACT I)  
 C.F. NO. 2005144303 F.B.C.O.P.R.  
 TRACT 1

BLUE RIDGE LANDFILL TX, LP  
 CALLED 198.29 ACRE TRACT  
 (DESIGNATED AS TRACT III)  
 C.F. NO. 2005144303 F.B.C.O.P.R.

PROPOSED R.O.W.

LAKE OLYMPIA PARKWAY  
 (PROPOSED R.O.W.)  
 (WIDTH VARIES)

PROJECT B  
 83+00

PROPOSED R.O.W.  
 C7-1  
 N67°09'54"E  
 71.71'

14.68'

14.88'

N54°26'33"E

7

S54°26'33"E

PROJECT B

86+00

220.16'

84+00

85+00

220.81'

S67°09'54"W - 117.42'

GULF COAST WATER AUTHORITY  
 FORMERLY GALVESTON COUNTY WATER AUTHORITY  
 C.F. NO. 8842394  
 JULY 20, 1988  
 CALLED 13.68 ACRE TRACT  
 (DESIGNATED AS TRACT NO. 4)  
 VOL. 815, PG. 110 F.B.C.D.R.  
 TRACT 2

P.O.B.  
 N = 13,767,878.36  
 E = 3,093,913.86

FND. 1/2" I.R.  
 W/CAP  
 (GORMLY 1918)

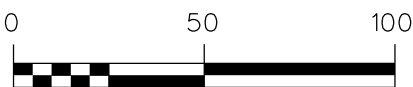
THOS W. THOMPSON SURVEY  
 A-335



TSC Surveying  
 "A GeoSurv, Inc. Company"

GeoSurv, Inc. d/b/a TSC Surveying  
 TBPLS Firm No. 10083100

10970 STANCLIFF RD. HOUSTON, TEXAS 77099  
 TEL. 713-784-4466



SCALE: 1"=50'

PARCEL PLAT

SHOWING PROPERTY OF  
 PARCEL 07

TSC SURVEYING

LAKE OLYMPIA SEG. 2  
 FORT BEND COUNTY  
 MARCH, 2022

SCALE: 1-50'



FORT BEND COUNTY ENGINEERING DEPARTMENT

LAKE OLYMPIA PARKWAY EXTENSION SEGMENT 2  
CHIMNEY ROCK TO FM 521

FORT BEND COUNTY, TEXAS  
2020 MOBILITY PROJECT NUMBER 20201

VINCENT M. MORALES, JR.  
COMMISSIONER  
PRECINCT 1

GRADY PRESTAGE  
COMMISSIONER  
PRECINCT 2

KP GEORGE  
COUNTY JUDGE

ANDY MEYERS  
COMMISSIONER  
PRECINCT 3

DEXTER L. McCOY  
COMMISSIONER  
PRECINCT 4



OCTOBER 24, 2025  
PRECINCT #2  
Fort Bend County, Texas

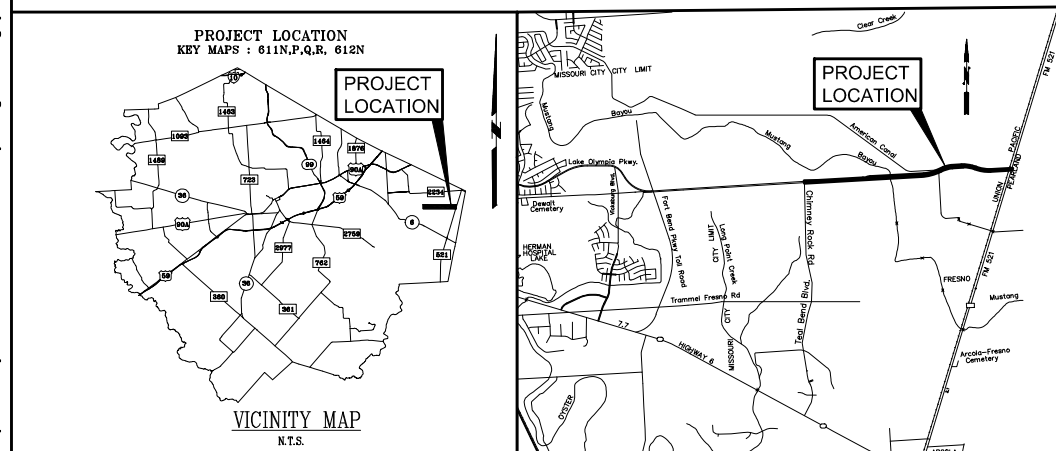
**TERRA**  
a Bowman company  
1445 N. LOOP WEST - SUITE 450  
HOUSTON, TEXAS 77008  
713-993-0333  
TBPE Registration No.: F-14309

APPROVED: \_\_\_\_\_ DATE \_\_\_\_\_  
COUNTY ENGINEER  
J. STACY SLAWINSKI, P.E.



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY STEPHEN A. GARZA, P.E. 133855 ON OCT 24, 2025

F:\Clients\0522-Fort Bend County Engineering\0522-1802 Lake Olympia Phase 2\Drawings\1 COVER SHEET.dwg



**CONSTRUCTION**

1. FORT BEND COUNTY MUST BE INVITED TO THE PRE-CONSTRUCTION MEETING.
2. CONTRACTOR SHALL NOTIFY FORT BEND COUNTY ENGINEERING DEPARTMENT 48 HOURS PRIOR TO COMMENCING CONSTRUCTION AND 48 HOUR NOTICE TO ANY CONSTRUCTION ACTIVITY WITHIN THE LIMITS OF THE PAVING AT CONSTRUCTION@FBCTX.GOV.
3. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FROM FORT BEND COUNTY PRIOR TO COMMENCING CONSTRUCTION OF ANY IMPROVEMENTS WITHIN COUNTY ROAD RIGHT-OF-WAYS.
4. ALL PAVING IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH FORT BEND COUNTY "RULES, REGULATIONS AND ORDINANCES" RELATING TO THE APPROVAL AND ACCEPTANCE OF IMPROVEMENTS IN SUBDIVISIONS AS CURRENTLY AMENDED.
5. ALL ROAD WIDTHS, CURB RADI AND CURB ALIGNMENT SHOWN INDICATES GRADE OF CURB.
6. A CONTINUOUS LONGITUDINAL REINFORCING BAR SHALL BE USED IN THE CURBS.
7. ALL CONCRETE PAVEMENT SHALL BE 5% SACK CEMENT WITH A MINIMUM COMPRESSIVE STRENGTH OF 3500 PSI AT 28 DAYS. TRANSVERSE EXPANSION JOINTS SHALL BE INSTALLED AT EACH CURB RETURN AND AT A MAXIMUM SPACING OF 60 FEET.
8. ALL WEATHER ACCESS TO ALL EXISTING STREETS AND DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES.
9. 4" X 12" REINFORCED CONCRETE CURB SHALL BE PLACED IN FRONT OF SINGLE FAMILY LOTS ONLY. ALL OTHER AREAS SHALL BE 6" REINFORCED CONCRETE CURB.
10. CURB HEADERS ARE REQUIRED AT CURB CONNECTIONS TO HANDICAP RAMPS, WITH NO CONSTRUCTION JOINT WITHIN 5' OF RAMPS.
11. GUIDELINES ARE SET FORTH IN THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, AS CURRENTLY AMENDED, SHALL BE OBSERVED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE FLAGMEN, SIGNING, STRIPING AND WARNING DEVICES, ETC., DURING CONSTRUCTION -- BOTH DAY AND NIGHT.
12. ALL STOP SIGN SIGNS SHALL BE A MINIMUM OF 36" X 36" WITH DIAMOND GRADE SHIELDING PER TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
13. STREET NAME SIGNAGE SHALL BE ON A 9" HIGH SIGN PLAT BLADE W/REFLECTIVE GREEN BACKGROUND. STREET NAMES SHALL BE UPPER AND LOWERCASE LETTERING WITH UPPER CASE LETTERS 5" HIGH AND LOWERCASE LETTERS OF 4.5" MINIMUM. THE LETTERS SHALL BE REFLECTIVE WHITE. STREET NAME SIGNS SHALL BE MOUNTED ON STOP SIGN POST.
14. A BLUE DOUBLE REFLECTORIZED BUTTON SHALL BE PLACED AT ALL FIRE HYDRANT LOCATIONS. THE BUTTON SHALL BE 12 INCHES OFF OF THE CENTERLINE OF THE STREET ON THE SAME SIDE AS THE HYDRANT.
15. THE PROJECT AND ALL PARTS THEREOF SHALL BE SUBJECT TO INSPECTION FROM TIME TO TIME BY INSPECTORS DESIGNATED BY FORT BEND COUNTY. NO SUCH INSPECTIONS SHALL BE CONSIDERED BY ANY OF ITS OBLIGATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE FLAGMEN, SIGNING, STRIPING AND WARNING DEVICES, ETC., DURING CONSTRUCTION -- BOTH DAY AND NIGHT.
16. STABILIZED SUBGRADE: DETERMINE THE THICKNESS OF THE STABILIZED SUBGRADE AFTER CURING AND COMPACTION. IF THE SUBGRADE DEPTH IS GREATER THAN THE PROPOSED THICKNESS BY 20% OR MORE, THE LBS MUST PROVIDE VERIFICATION THE PERCENTAGE OF MATERIAL BEING USED TO STABILIZE THE SUBGRADE MEETS OR EXCEEDS PROJECT REQUIREMENTS. TEST RESULTS REQUIRED.

NOTE: FORT BEND COUNTY NOTES SUPERSEDE ANY CONFLICTING NOTES.

**TRAFFIC CONTROL**

1. THE CONTRACTOR SHALL PROVIDE AND INSTALL TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH PART THREE OF THE MOST RECENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE APPROVED TRAFFIC CONTROL PLAN.
2. THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE LANE OF TRAFFIC IN EACH DIRECTION DURING WORKING HOURS EXCEPT DURING FLAGGING OPERATION.
3. LANE CLOSURES SHALL BE DURING OFF-PEAK HOURS ONLY (MONDAY THROUGH FRIDAY 9 A.M. TO 4 P.M.) UNIFORMED PEACE OFFICERS OR FLAGGERS IN RADIO CONTACT ARE REQUIRED TO DIRECT TRAFFIC DURING LANE CLOSURES.
4. DETOURS REQUIRE PRIOR APPROVAL OF THE FIELD ENGINEER AND PRECINCT. DETOUR PLANS, IF ALLOWED, MUST INCLUDE APPROPRIATE DETOUR SIGNAGE. PUBLIC NOTICE VIA SIGNAGE TWO WEEKS IN ADVANCE STATING THE DATES OF THE AGREED UPON DATE CLOSURE AND DATE THE ROAD WILL BE OPEN TO TRAFFIC. CONTRACTOR TO USE WITH PRIOR APPROVAL OF THE FIELD ENGINEER HIGH EARLY STRENGTH CONCRETE AND OTHER RELATED CONSTRUCTION METHODS TO MINIMIZE THE DURATION OF THE DETOUR AND TO ENSURE THAT THE ROADWAY IS OPEN ON, OR PRIOR TO, THE AGREED UPON DATE.
5. ONE DAY PRIOR TO THE IMPLEMENTATION OF A TRAFFIC CONTROL PLAN PHASE OR STEP, OR THE IMPLEMENTATION OF AN ADDITIONAL, REVISED, OR NEW TRAFFIC CONTROL ELEMENT, THE CONTRACTOR SHALL MEET WITH THE ENGINEER TO GIVE A DETAILED DESCRIPTION OF THE CONTRACTOR'S PLAN AND PREPARATIONS. THE CONTRACTOR SHALL OBTAIN WRITTEN CONCURRENCE FROM THE ENGINEER THAT ADEQUATE PROJECT PROGRESS HAS BEEN ACHIEVED AND THAT ADEQUATE PREPARATIONS ARE IN PLACE PRIOR TO SWITCHING TRAFFIC. IF, IN THE OPINION OF THE ENGINEER, REQUIRED PROGRESS AND ADEQUATE PREPARATIONS ARE NOT COMPLETE, THE CONTRACTOR SHALL NOT IMPLEMENT THE NEXT PHASE, STEP, OR ELEMENT OF TRAFFIC CONTROL UNTIL INCOMPLETE CONSTRUCTION ITEMS OR PREPARATIONS ARE COMPLETED. TIME EXTENSIONS WILL NOT BE GRANTED FOR DELAYS CAUSED BY THE INCOMPLETE CONSTRUCTION ITEMS OR INADEQUATE CONTRACTOR PREPARATIONS REQUIRED TO IMPLEMENT TRAFFIC CONTROL.
6. TRAFFIC CONTROL PER THE CONTRACT IS REQUIRED FOR THE ENTIRE DURATION OF THE PROJECT, INCLUDING PAYMENT FOR TRAFFIC CONTROL. THAT IS PROPERLY INSTALLED FOR LESS THAN A FULL MONTH SHALL BE BASED ON A PERCENTAGE BASIS OF THE TIME INSTALLED. SUBSTITUTIONAL PAYMENTS TO THE CONTRACTOR SHALL END 10 DAYS AFTER SUBSTANTIAL COMPLETION, ALTHOUGH PROPER TRAFFIC CONTROL MUST BE MAINTAINED UNTIL PUNCHLIST COMPLETION.
7. THE PURPOSE OF THE CONSTRUCTION SEQUENCE AND TRAFFIC HANDLING OUTLINED HEREIN IS TO DOCUMENT A Writable PLAN THAT CAN BE UTILIZED TO CONSTRUCT THE PROJECT. IT IS THE BASIS OF ESTIMATION FOR THE TRAFFIC CONTROL BID ITEMS, AND IS TO BE UTILIZED AND IMPLEMENTED, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. IF THE CONTRACTOR CHOOSES TO USE A DIFFERENT TOP OF FINISH, HE/SHE SHALL PREPARE AND SUBMIT THE ALTERNATIVE TOP TO THE COUNTY FOR APPROVAL NO LESS THAN 10 WORKING DAYS PRIOR TO THE PROPOSED IMPLEMENTATION DATE. THE TOP SHALL BE DRAWN TO SCALE AND SIGNED & SEALED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF TEXAS. UPON APPROVAL BY FORT BEND COUNTY, THE ALTERNATIVE PLAN SHALL BECOME THE BASIS FOR A CHANGE IN CONTRACT TO REVISE THE TRAFFIC CONTROL BID ITEMS ACCORDINGLY AND BECOME PART OF THE CONTRACT DOCUMENTS.
8. ALL TEMPORARY PAVEMENT MARKINGS ON PERMANENT PAVEMENT SHOULD BE RPMS OR TABS.
9. TRAFFIC PATTERN CHANGES REQUIRE CHANGEABLE MESSAGE BOARDS PLACED AT LEAST 2 WEEKS IN ADVANCE OF PROPOSED CHANGE. QUANTITY, PLACEMENT AND WORKING TSD BY TBC.

**SWPPP:**

THIS PROJECT DISTURBS OVER 5 ACRES; THEREFORE COVERAGE IS REQUIRED UNDER THE TPDES GENERAL PERMIT TXR150000 FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION, INSPECTION, AND MAINTENANCE OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. THE COSTS TO IMPLEMENT, INSPECT, AND MAINTAIN THE SWPPP SHALL BE CONSIDERED INCIDENTAL TO THE SWPPP BID ITEMS.

SINCE THIS PROJECT DISTURBS GREATER THAN 5 ACRES, A NOTICE OF INTENT (NOI) IS REQUIRED TO BE SUBMITTED TO THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) AT LEAST 7 DAYS PRIOR TO THE START OF ANY EARTH DISTURBING ACTIVITIES. THIS PROJECT SHALL HAVE ONE NOI, LISTING THE CONTRACTOR AS THE PRIMARY OPERATOR AND FT. BEND COUNTY AS THE SECOND OPERATOR. NOI IS SUBJECT TO A \$325 APPLICATION FEE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOI APPLICATION FEE. THE CONTRACTOR HAS THE OPTION TO SUBMIT THE CONTRACTOR'S NOI FORM AND FEE ELECTRONICALLY TO THE TCEQ (IF SUBMITTED ELECTRONICALLY, THEN THE CONTRACTOR SHALL PROVIDE COPIES OF THE ELECTRONIC SUBMITTAL TO FT. BEND COUNTY AT THE PRECONSTRUCTION MEETING). COPIES OF THE CONTRACTOR'S NOI AND CONSTRUCTION SITE NOTICE (CSN) SHALL BE POSTED AT THE SITE BY THE CONTRACTOR. THE CONTRACTOR SHALL LAMINATE AND POST THE NOI, CSN AND ANY "SECONDARY OPERATOR" CSNS ON THE PROJECT SITE AT A LOCATION WITH EASY ACCESS TO THE PUBLIC FOR CLEAR VIEWING AND AS APPROVED BY THE ENGINEER. THE COST OF LAMINATION AND POSTING OF THE NOI & CSN SHALL BE CONSIDERED INCIDENTAL TO THE SWPPP BID ITEMS.

UPON COMPLETION OF CONSTRUCTION ACTIVITIES AND FINAL STABILIZATION OF THE SITE, AS DEFINED BY THE TPDES GENERAL PERMIT, A NOTICE OF TERMINATION (NOT) IS REQUIRED TO BE SUBMITTED TO THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ). THIS PROJECT SHALL HAVE ONE NOT, LISTING THE CONTRACTOR AS THE PRIMARY OPERATOR AND FT. BEND COUNTY AS THE SECONDARY OPERATOR. WHEN DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL PROVIDE TO FT. BEND COUNTY A SIGNED COPY OF THE CONTRACTOR'S NOTICE OF TERMINATION (NOT). THE CONTRACTOR SHALL SUBMIT TO THE TCEQ THE CONTRACTOR'S SIGNED NOT. THE CONTRACTOR SHALL ALSO SUBMIT COPIES OF SIGNED NOT TO THE LOCAL MUNICIPAL SEPARATE STORM SEWER SYSTEM OPERATOR.

A RAIN GAUGE SHALL BE KEPT ON THE PROJECT SITE OR WITHIN THE IMMEDIATE PROJECT VICINITY. RECORDS OF RAINFALL EVENTS SHALL BE KEPT BY THE CONTRACTOR TO ASSIST WITH DETERMINING IF AN SWPPP SITE INSPECTION IS REQUIRED. THE COSTS FOR THE RAIN GAUGE SHALL BE CONSIDERED INCIDENTAL TO THE SWPPP BID ITEMS.

THE SWPPP, INSPECTION & MAINTENANCE REPORTS, CERTIFICATIONS, RAINFALL RECORDS, MAJOR GRADING DATE RECORDS AND TEMPORARY AND PERMANENT STABILIZATION DATE RECORDS SHALL BE KEPT CURRENT BY THE CONTRACTOR AND IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS. COPIES OF THE ALL SWPPP RECORDS SHALL BE KEPT ON-SITE, IF FEASIBLE, UNTIL THE NOTICE OF TERMINATIONS HAS BEEN SUBMITTED TO THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY. THE SWPPP RECORDS SHALL BE MADE READILY AVAILABLE TO REGULATORY AUTHORITIES UPON AN ON-SITE INSPECTION. THE CONTRACTOR SHALL DELIVER COPIES OF ALL SWPPP RECORDS TO FT. BEND COUNTY AS DIRECTED BY THE ENGINEER.

**GENERAL**

1. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS BEFORE BEGINNING CONSTRUCTION.
2. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING SECURITY TO PROTECT THE PROJECT SITE, CONTRACTOR PROPERTY, EQUIPMENT, AND WORK.
3. THE CONTRACTOR IS RESPONSIBLE FOR CLEANING STREETS OF CONSTRUCTION DIRT AND DEBRIS AT CLOSE OF EACH WORK DAY.
4. THE CONDITION OF THE ROAD AND/OR RIGHT-OF-WAY, UPON COMPLETION OF THE JOB SHALL BE AS GOOD AS OR BETTER THAN PRIOR TO STARTING WORK.
5. PRIOR TO CONSTRUCTION, THE CONTRACTOR, ALONG WITH CONCURRENCE FROM THE FIELD ENGINEER, SHALL DETERMINE WHETHER LAY-DOWN AND/OR STAGING AREA LOCATIONS.
6. THE CONTRACTOR SHALL NOTIFY ALL PROPERTY OWNERS A MINIMUM OF 24 HOURS PRIOR TO BLOCKING DRIVEWAYS OR ENTERING UTILITY EASEMENTS.
7. TRAFFIC INGRESS AND EGRESS FOR DRIVEWAYS AND PEDESTRIAN SURFACE FACILITIES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION WITH ALL WEATHER SURFACES.
8. THE CONTRACTOR SHALL REMOVE ANY FENCES, POSTS, MAILBOXES, PLANTERS, PERMANENT TRASH CONTAINERS, CULVERTS, ETC. OR SECTIONS THEREOF, THAT ENCRUMB WITHIN THE COUNTY'S RIGHT-OF-WAY. NOTE: PRIOR TO CONSTRUCTION, THE PROPERTY OWNER WAS PAID TO RELOCATE OR REPLACE THESE ITEMS OUTSIDE OF THE COUNTY'S RIGHT-OF-WAY. IF THE OWNER HAS FAILED TO DO SO, THE CONTRACTOR WILL REPLACE THEM WITH THE MINIMUM LEVEL OF QUALITY NEEDED TO SECURE THE PROPERTY AND/OR MAINTAIN MAIL DELIVERY. IN THAT CASE, PAYMENT FOR THESE INSTALLATIONS WILL BE INCLUDED AS EXTRA WORK ITEMS OR AS OVERRUNS TO EXISTING PAY ITEMS.
9. ANY DAMAGE CAUSED BY THE CONTRACTOR TO SUCH ITEMS LOCATED OUTSIDE OF THE COUNTY'S RIGHT-OF-WAY, SHALL BE REPLACED WITH LIKE-KIND OR BETTER AT THE CONTRACTOR'S EXPENSE. ALSO, IF THESE ITEMS ARE LOCATED WITHIN THE PROJECT RIGHT-OF-WAY AND ARE DESIGNATED TO REMAIN, ANY DAMAGE CAUSED BY THE CONTRACTOR TO SUCH ITEMS, SHALL BE REPLACED WITH LIKE-KIND OR BETTER AT THE CONTRACTOR'S EXPENSE.
10. TREES, BUSHES, SHRUBBERY AND OTHER DAMAGED PLANTINGS DESIGNATED TO REMAIN SHALL BE REPLACED WITHIN 72 HOURS OF REMOVAL AND ARE TO BE THOROUGHLY WATERED-IN, NO SEPARATE PAY.
9. PAVED SURFACES, PAVEMENT MARKERS AND MARKINGS SHALL BE PROTECTED FROM DAMAGE BY TRACKED EQUIPMENT.
10. IRON RODS DISTURBED DURING CONSTRUCTION ARE TO BE REPLACED BY A REGISTERED PROFESSIONAL LAND SURVEYOR FOR THE ORIGINAL PROPERTY OWNER AT NO SEPARATE PAY.
11. CONSTRUCTION STAKING WILL BE PROVIDED BY THE CONTRACTOR. TWO COPIES OF STAKING NOTES TO BE PROVIDED TO THE ENGINEER PRIOR TO CONSTRUCTION.
12. THE COUNTY OR THE COUNTY'S SURVEYOR SHALL PROVIDE A BENCHMARK OR TEMPORARY BENCHMARK AND SURVEY CONTROLS.
13. THE CONTRACTOR SHALL MAINTAIN UPDATED RED-LINED RECORD DRAWINGS ON SITE FOR INSPECTION BY THE ENGINEER.
14. MOWING, MAINTENANCE, AND CLEAN-UP OF THE PROJECT SHALL MEET THE REQUIREMENT OF SPECIFICATION ITEM 560 (NO SEPARATE PAY), MOWING, MAINTENANCE, AND CLEAN-UP IS REQUIRED FOR THE PROJECT LIMITS AND DURATION, REGARDLESS OF THE CONTRACTOR'S SCOPE OF ACTIVITIES WITHIN THE PROJECT LIMITS.
15. THE REMOVAL OF ANY ABANDONED UTILITIES REQUIRED TO COMPLETE THE WORK SHALL BE INCIDENTAL, AND NO SEPARATE PAYMENT SHALL BE MADE.
16. IT IS THE CONTRACTOR'S RESPONSIBILITY TO STOCKPILE NECESSARY MATERIAL ON-SITE OR AT A SECURED OFF-SITE LOCATION AT NO ADDITIONAL EXPENSE TO FORT BEND COUNTY. ANY SUITABLE EXCAVATED MATERIAL ON THE PROJECT WHICH IS AVAILABLE AT THE TIME OF NEED, WHETHER FROM STORM SEWER, ROADWAY, AND/OR CHANNEL, EXCAVATION, SHALL BE USED BEFORE BORROW IS BROUGHT ON-SITE.
17. MANHOLES, JUNCTION BOXES, INLETS, AND RISERS ARE TO BE PRE-CAST OR CAST IN PLACE.
18. THE FOLLOWING DETAILS ARE MINIMUM REQUIREMENTS AND MAY BE SUPERSEDED BY GEOTECHNICAL ENGINEER RECOMMENDATIONS OR MORE STRINGENT REQUIREMENTS FROM THE CITY'S ETC. PROJECT IS WITHIN.
19. POP UP DRAINS ARE NOT ALLOWED IN FORT BEND COUNTY RIGHT OF WAY.

**PRIVATE UTILITY NOTES**

**AT&T TEXAS/SWB/T FACILITIES NOTES**

THE LOCATIONS OF AT&T TEXAS/SWB/T FACILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES, WHICH MIGHT BE OCCASIONED BY THIS FAILURE TO EXACTLY LOCATE AND PRESERVE THESE UNDERGROUND UTILITIES.

THE CONTRACTOR SHALL CALL 1-800-344-8377 A MINIMUM OF 48-HOURS PRIOR TO CONSTRUCTION TO HAVE UNDERGROUND LINES FIELD LOCATED.

WHEN EXCAVATING WITHIN EIGHTEEN INCHES (18") OF THE INDICATED LOCATION OF AT&T TEXAS/SWB/T FACILITIES, ALL EXCAVATIONS MUST BE ACCOMPLISHED USING NON-MECHANIZED EXCAVATION PROCEDURES. WHEN BORING, THE CONTRACTOR SHALL EXPOSE THE AT&T TEXAS/SWB/T TELEPHONE FACILITIES.

WHEN AT&T/SWB/T FACILITIES ARE EXPOSED, THE CONTRACTOR WILL PROVIDE SUPPORT TO PREVENT DAMAGE TO THE CONDUIT DUCTS OR CABLES. WHEN EXCAVATING NEAR TELEPHONE POLES THE CONTRACTOR SHALL BRACE THE POLE FOR SUPPORT.

THE PRESENCE OR ABSENCE OF AT&T TEXAS/SWB/T UNDERGROUND CONDUIT FACILITIES OR BURIED CABLE FACILITIES SHOWN ON THESE PLANS DOES NOT MEAN THAT THERE ARE NO DIRECT BURIED CABLES OR OTHER CABLES IN CONDUIT IN THE AREA.

PLEASE CONTACT THE AT&T TEXAS DAMAGE PREVENTION MANAGER MR. ROOSEVELT LEE JR. AT (713)567-4552 OR EMAIL HIM AT RL7259@ATT.COM, IF THERE ARE QUESTIONS ABOUT BORING OR EXCAVATING NEAR OUR AT&T TEXAS/SWB/T FACILITIES.

**DIRECT BURIED CABLE PROCEDURE**

CONSTRUCTION RECORDS ARE NOT AVAILABLE. TO DETERMINE THE LOCATION OF BURIED CABLE PLANT DURING THE DESIGN PHASE OF YOUR PROJECT, FOLLOW THE PROCEDURES BELOW:

- CALL 1-800-344-8377 AND ADVISE YOU NEED THE EXISTING AT&T TEXAS/SWB/T FACILITIES LOCATED FOR THE DESIGN PHASE OF YOUR PROJECT. PLEASE ALLOW 72 HOURS FOR THE CABLE TO GET MARKED BEFORE SENDING YOUR FIELD CREW FOR BASE LINE SURVEY FOR LOCATES OF. BE SPECIFIC ON THE PROJECT LOCATION.
- THE LOCATOR WILL FIELD LOCATE THE EXISTING AT&T/SWB/T FACILITIES ORANGE PAINT AND/OR FLAGS.
- YOUR FIELD PARTY CAN SURVEY THE BURIED CABLE LOCATION USING THE ORANGE MARKS ON THE GROUND. IF THE CABLES ARE NOT MARKED, PLEASE CONTACT THE AT&T TEXAS DAMAGE PREVENTION MANAGER MR. ROOSEVELT LEE JR. AT (713)567-4552 OR EMAIL HIM AT RL7259@ATT.COM.
- PLOT THE EXACT LOCATION OF THE AT&T TEXAS/SWB/T DIRECT BURIED CABLE FACILITIES ON THE PLAN AND PROFILE SHEET.

**CENTERPOINT ENERGY NOTES**

**CAUTION: UNDERGROUND GAS FACILITIES**

LOCATIONS OF CENTERPOINT ENERGY MAIN LINES (TO INCLUDE CENTERPOINT ENERGY, INTRASTATE PIPELINE, LLC, WHERE APPLICABLE) ARE SHOWN IN AN APPROXIMATE LOCATION ONLY. SERVICE LINES ARE USUALLY NOT SHOWN. OUR SIGNATURE ON THESE PLANS ONLY INDICATES THAT OUR FACILITIES ARE SHOWN IN APPROXIMATE LOCATION. IT DOES NOT IMPLY THAT A CONFLICT ANALYSIS HAS BEEN MADE. THE CONTRACTOR SHALL CONTACT THE UTILITY COORDINATING COMMITTEE AT 1-800-545-6005 OR 811 A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION TO HAVE MAIN AND SERVICE LINES FIELD LOCATED.

- WHEN CENTERPOINT ENERGY PIPE LINE MARKINGS ARE NOT VISIBLE, CALL (713) 945-8036 OR (713) 945-8037 (7:00AM TO 4:30 PM) FOR STATUS OF LINE LOCATION REQUEST BEFORE EXCAVATION BEGINS.
- WHEN EXCAVATING WITHIN EIGHTEEN INCHES (18") OF THE INDICATED LOCATION OF CENTERPOINT ENERGY FACILITIES, ALL EXCAVATION MUST BE ACCOMPLISHED USING NON-MECHANIZED EXCAVATION PROCEDURES.
- WHEN CENTERPOINT ENERGY FACILITIES ARE EXPOSED, SUFFICIENT SUPPORT MUST BE PROVIDED TO THE FACILITIES TO PREVENT EXCESSIVE STRESS ON THE PIPING.
- FOR EMERGENCIES REGARDING GAS LINES CALL (713) 656-3552 OR (713) 207-4200.

THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY DAMAGES CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE THESE UNDERGROUND FACILITIES.

**WARNING: OVERHEAD ELECTRICAL FACILITIES**

OVERHEAD LINES MAY EXIST ON THE PROPERTY. THE LOCATION OF OVERHEAD LINES HAS NOT BEEN SHOWN ON THESE DRAWINGS AS THE LINES ARE CLEARLY VISIBLE, BUT YOU SHOULD LOCATE THEM PRIOR TO BEGINNING ANY CONSTRUCTION. TEXAS LAW, SECTION 752, HEALTH & SAFETY CODE FORBIDS ACTIVITIES THAT OCCUR IN CLOSE PROXIMITY TO HIGH VOLTAGE LINES, SPECIFICALLY:

- ANY ACTIVITY WHERE PERSON OR THINGS MAY COME WITHIN SIX(6) FEET OF LIVE OVERHEAD HIGH VOLTAGE LINES; AND
- OPERATING A CRANE, DERRICK, POWER SHOVEL, DRILLING RIG, PILE DRIVER, HOISTING EQUIPMENT, OR SIMILAR APPARATUS WITHIN 10 FEET OF LIVE OVERHEAD HIGH VOLTAGE LINES.

PARTIES RESPONSIBLE FOR THE WORK, INCLUDING CONTRACTORS, ARE LEGALLY RESPONSIBLE FOR THE SAFETY OF CONSTRUCTION WORKERS UNDER THIS LAW. THIS LAW CARRIES BOTH CRIMINAL AND CIVIL LIABILITY. TO ARRANGE FOR LINES TO BE TURNED OFF OR REMOVED CALL CENTERPOINT ENERGY AT (713) 207-2222.

ACTIVITIES ON/OR ACROSS CENTERPOINT ENERGY FEE OR EASEMENT PROPERTY: NO APPROVAL TO USE, CROSS OR OCCUPY CENTERPOINT FEE OR EASEMENT PROPERTY IS GIVEN. IF YOU NEED TO USE CENTERPOINT PROPERTY, PLEASE CONTACT OUR SURVEYING & RIGHT OF WAY DIVISION AT (713)207-6248 OR (713)207-5769.

**WATER CONSTRUCTION NOTES**

1. WATER LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST CITY OF HOUSTON INFRASTRUCTURE DESIGN MANUAL, STANDARD SPECIFICATION, AND CONSTRUCTION DETAILS.
2. ALL 4" THROUGH 12" WATER LINE TO BE AWWA C-900 PVC DR-18 BLUE PRESSURE RATED WATER MAIN WITH 2" AND SMALLER WATER SERVICE LINE TO BE CONTINUOUS TYPE K COPPER TUBING PER COH STANDARD SPECIFICATION SECTION 02503. ALL 4" THRU 54" DI PIPE WATER LINES SHALL BE AWWA C151 WITH INSIDE LINING WITH AWWA C104 AND DOUBLE WRAPPED WITH 8-MIL POLYETHYLENE SHEETS.
3. CONCRETE THRUST BLOCKS SHALL BE PROVIDED AS NECESSARY TO PREVENT PIPE MOVEMENT. USE RESTRAINED JOINTS WHERE PREVENTING MOVEMENT OF 16" OR GREATER PIPE IS NECESSARY DUE TO THRUST.
4. ALL WATER LINES UNDER PROPOSED OR FUTURE PAVING AND TO A POINT OF ONE (1) FOOT BACK OF ALL PROPOSED OR FUTURE CURBS SHALL BE ENCASED IN BANK SAND TO 12" OVER PIPE AND BACKFILLED WITH BANK SAND OR SELECT FILL MATERIALS UP TO PAVEMENT BASE OR SUBGRADE.
5. ALL WATER LINE AND SEWER LINE CROSSINGS SHALL BE CONSTRUCTED PER CITY OF HOUSTON AND TCEQ REGULATIONS.
6. ALL WATER VALVES SHALL BE SUPPLIED AND INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF AWWA C-500 AND SHALL BE OF THE RESILIENT SEAT TYPE.
7. ALL WATER LINES TO BE DISINFECTED IN CONFORMANCE WITH AWWA C-651 AND THE TEXAS STATE DEPARTMENT OF HEALTH. AT LEAST ONE BACTERIOLOGICAL SAMPLE SHALL BE COLLECTED FOR EVERY 1,000 LINEAR FEET OF WATER LINE AND SHALL BE REPEATED IF CONTAMINATION PERSISTS.
8. ALL BELOW GRADE VALVES SHALL BE GASKETED, HUB-END GATE VALVES WITH A CAST IRON BOX, EXCEPT WHERE FLANGES ARE CALLED OUT ON THE PLANS.
9. 4" THRU 12" FITTINGS SHALL BE CEMENT MORTAR LINED COMPACT DUCTILE IRON PRESSURE FITTINGS PER ANSI A21.53, OR PUSH ON FITTINGS PER ANSI A21.10 PRESSURE RATED AT 250 PSIG.
10. HYDROSTATIC TESTING: ALL WATER PIPE SHALL BE TESTED FOR LEAKAGE IN ACCORDANCE WITH THE LATEST CITY OF HOUSTON STANDARD CONSTRUCTION SPECIFICATIONS. TESTS ARE TO BE PERFORMED ON THE ENTIRE FOOTAGE OF WATER PIPE LINE INCLUDED IN THE PROJECT.
11. ALL WATER LINES TO HAVE 5' MINIMUM COVER TO FINISHED GRADE AND MINIMUM 12" CLEARANCE TO OTHER UTILITIES AT CROSSING UNLESS OTHERWISE NOTED ON PLANS. ALL WATER LINE INSTALLED OVER 8" DEEP SHALL UTILIZE RESTRAINED JOINT FITTINGS.
12. CONTRACTOR SHALL KEEP WATER PIPE CLEAN AND CAPPED (OR OTHERWISE EFFECTIVELY COVERED) OPEN PIPE ENDS TO EXCLUDE INSECTS, ANIMALS OR OTHER SOURCES OF CONTAMINATION FROM UNFINISHED PIPE LINES AT TIMES WHEN CONSTRUCTION IS NOT IN PROGRESS.
13. CONTRACTOR SHALL NOTIFY FORT BEND COUNTY FRESH WATER SUPPLY DISTRICT NO. 1 DISTRICT ENGINEER MR. DAVID DYBALA AT 713-281-8448 OR DISTRICT OPERATOR MR. MICHAEL AMMEL AT 832-467-1599 SEVEN (7) DAYS IN ADVANCE OF ANY WATER LINE CONSTRUCTION AND TESTING.

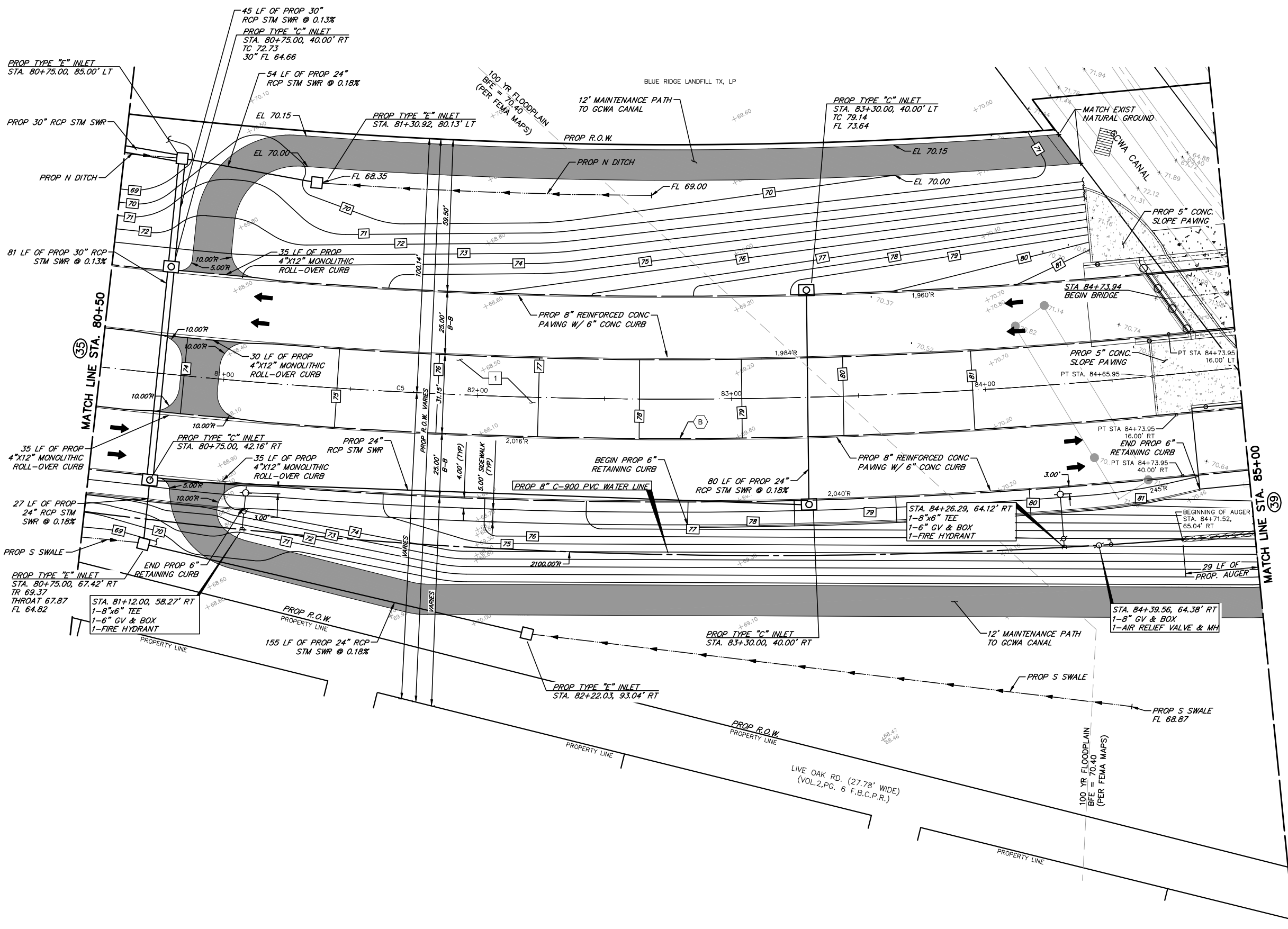
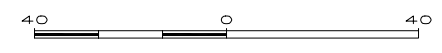


THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY STEPHEN A. GARZA, P.E. 133855 ON JAN 30, 2026.

<p style="text-align: center;"><b>LAKE OLYMPIA PARKWAY SEGMENT 2</b></p> <p style="text-align: center;"><b>CONSTRUCTION NOTES</b></p>			
		<p>1445 N. LOOP WEST – SUITE 450 HOUSTON, TEXAS 77008 713-993-0333 TBPE Registration No.: F-14309</p>	
<p>DRAWN BY: J.J.</p>	<p>SCALE: N.T.S.</p>	<p>PROJECT No. 0522-1802 CONTRACT: 17201</p>	<p>SHEET 4 of 211</p>
<p>CHECKED BY: S.G.</p>	<p>DATE: APRIL 03, 2024</p>	<p>REV. NO.</p>	<p>BID SET 04/03/24</p>
<p>DESCRIPTION</p>		<p>DATE</p>	

F:\Clients\0522-Fort Bend County Engineering\0522-1802\_Lake Olympia Phase 2\Drawings\38\_Profile STA 80+50 TO STA 85+00.dwg Jan 29, 2026-4:41pm Terra Associates Inc., Frank Vasquez

**BENCHMARK**  
 HCFCRM 010225, BRASS DISK ON THE EAST END OF A CONCRETE HEADWALL ON THE NORTH SIDE OF FM 2234 AT CLEAR CREEK, NAVD '88 DATUM, 2001 ADJ. ELEVATION=64.42



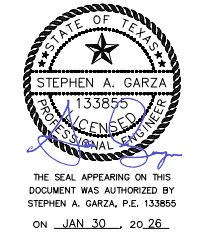
**NOTES:**  
 1. PROP PGL REFERS TO OUTSIDE PROP TOC ELEV.  
 2. PC, PT, AND PI REFERENCES ARE TO FACE OF CURB.

**LEGEND**

	MAINTENANCE PATH
--	------------------

**CURVE TABLE**

Curve #	Length	Radius	Delta	Chord Direction	Chord Distance
C5	687.11'	2000.00'	19°41'04"	N77°00'25"E	683.74'



REV. NO.	BID SET	DESCRIPTION	DATE	APP.
			04/03/24	

**LAKE OLYMPIA PARKWAY  
 SEGMENT 2  
 LAKE OLYMPIA PARKWAY  
 PLAN  
 STA 80+50 TO STA 85+00**

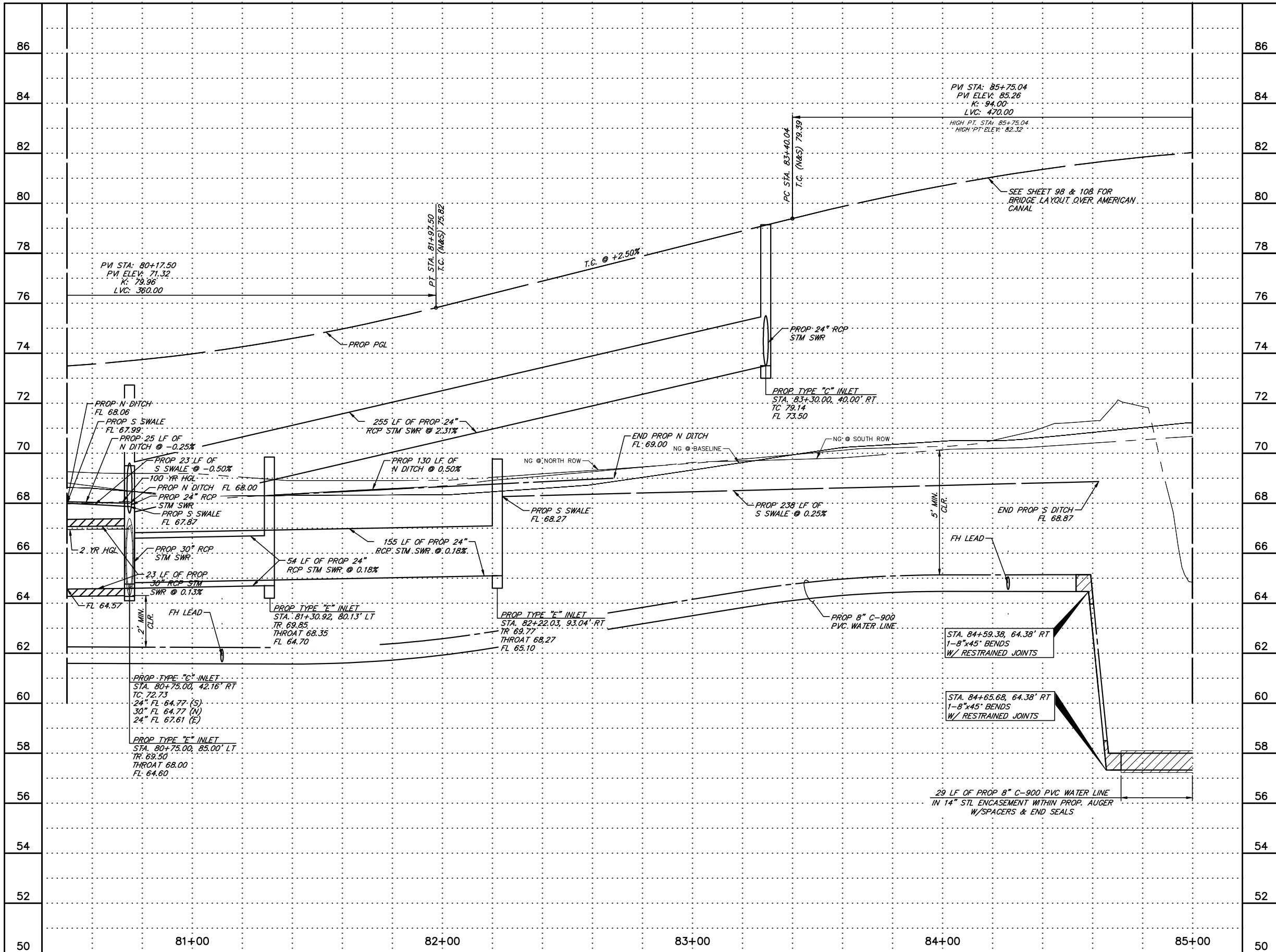
**TERRA** a Bowman company 1445 N. LOOP WEST - SUITE 450  
 HOUSTON, TEXAS 77008  
 713-993-0333  
 TBPE Registration No.: F-14309

DRAWN BY: J.J.	SCALE: 1" = 40'	PROJECT No. 0522-1802
CHECKED BY: S.G.	DATE: APRIL 03, 2024	CONTRACT: 17201
		SHEET 37 OF 211

LAKE OLYMPIA PARKWAY

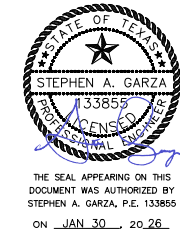
**BENCHMARK**  
 HGCFRM 010225, BRASS DISK ON THE EAST END OF A  
 CONCRETE HEADWALL ON THE NORTH SIDE OF FM 2234 AT  
 CLEAR CREEK, NAVD '88 DATUM, 2001 ADJ.  
 ELEVATION=64.42

F:\Clients\0522-Fort Bend County Engineering\0522-1802 Lake Olympia Phase 2 Drawings\38 Profile STA 80+50 TO STA 85+00.dwg Jan 29, 2026--4:41pm Terra Associates Inc., Frank Vasquez



**TO BE REMOVED**  
 1 WOODED AREAS\* (ITEM 562)  
 \*ITEMS ARE INCIDENTAL TO SPECIFICATION SECTIONS NOTED

**NOTES:**  
 1. PROP PGL REFERS TO OUTSIDE PROP TOC ELEV.  
 2. PC, PT, AND PI REFERENCES ARE TO FACE OF CURB.

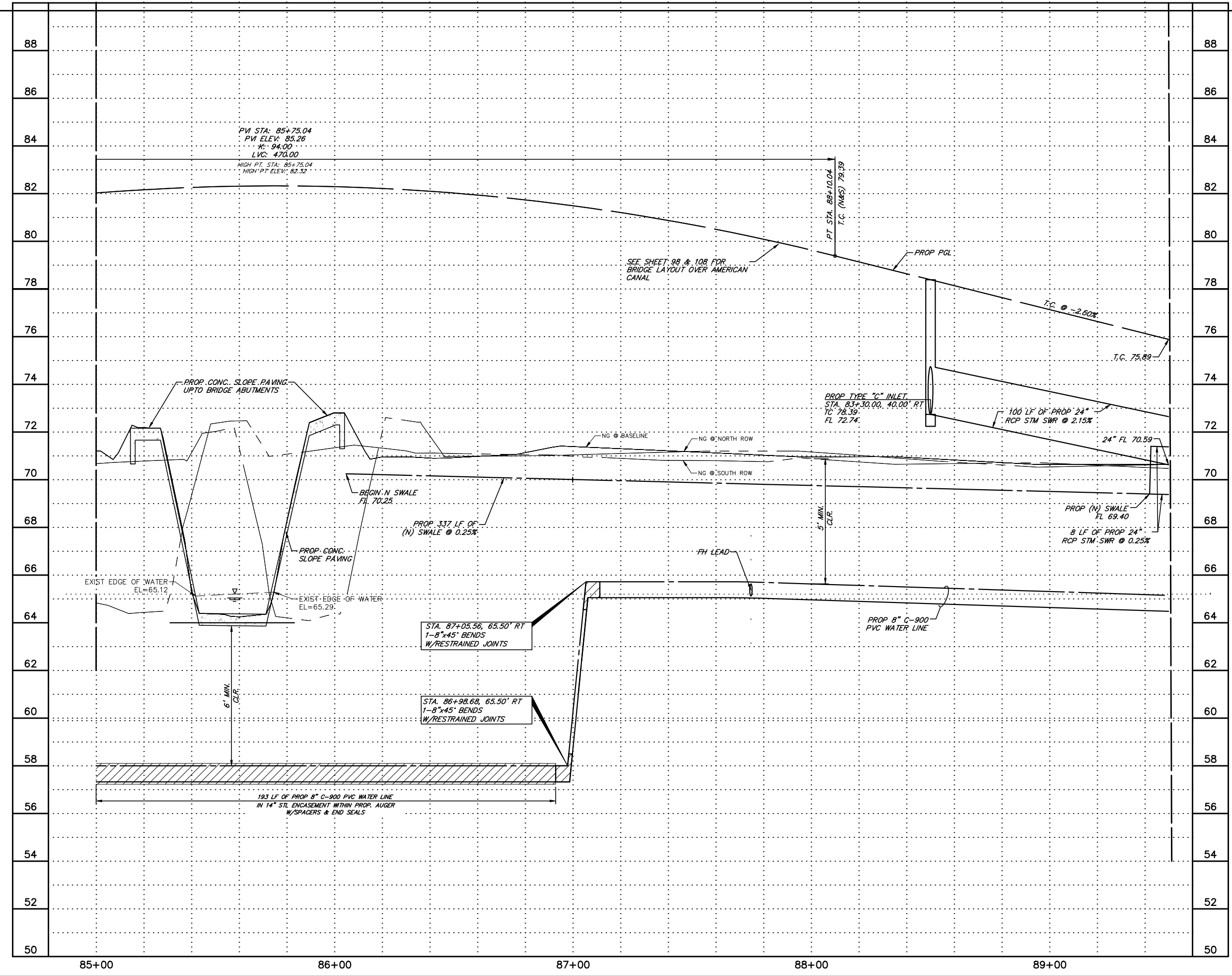


REV. NO.	BID SET	DESCRIPTION	DATE	APP.
			04/03/24	
<b>LAKE OLYMPIA PARKWAY SEGMENT 2</b>				
<b>LAKE OLYMPIA PARKWAY PROFILE STA 80+50 TO STA 85+00</b>				
<b>TERRA</b> <small>a Bowman company</small>		1445 N. LOOP WEST - SUITE 450 HOUSTON, TEXAS 77008 713-993-0333 TBPE Registration No.: F-14309		
DRAWN BY: J.J.	SCALE: 1" = 40' H 1" = 4' V	PROJECT No. 0522-1802 CONTRACT: 17201		
CHECKED BY: S.G.	DATE: APRIL 03, 2024	SHEET 38 OF 211		



LAKE OLYMPIA PARKWAY

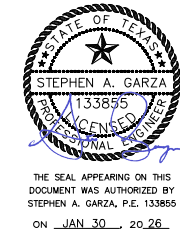
F:\Clients\0522-Fort Bend County Engineering\0522-1802 Lake Olympia Phase 2 Drawings\40 Profile STA 85+00 TO STA 89+50.dwg Jan 29, 2026-4:42pm Terra Associates Inc., Frank Vasquez



**BENCHMARK**  
 HCFCRM 010225, BRASS DISK ON THE EAST END OF A CONCRETE HEADWALL ON THE NORTH SIDE OF FM 2234 AT CLEAR CREEK, NAVD '88 DATUM, 2001 ADJ. ELEVATION=64.42

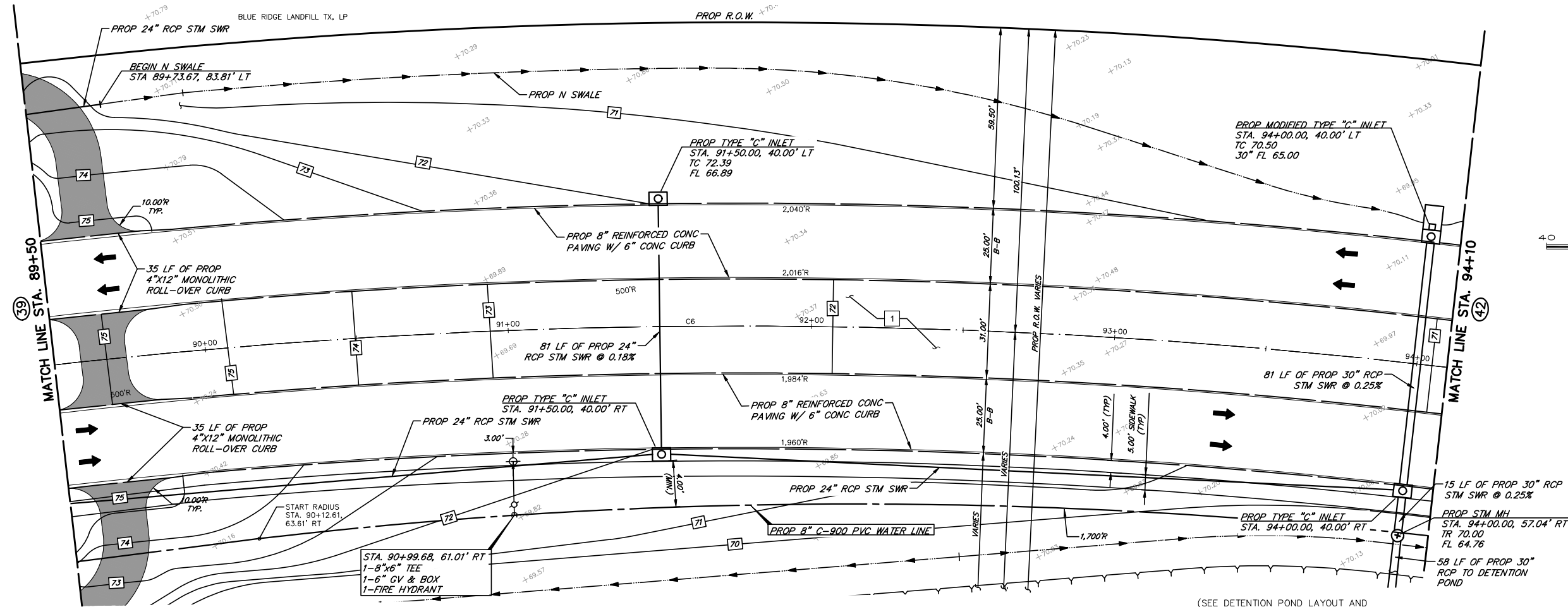
**TO BE REMOVED**  
 1 WOODED AREAS\* (ITEM 562)  
 \*ITEMS ARE INCIDENTAL TO SPECIFICATION SECTIONS NOTED

**NOTES:**  
 1. PROP PGL REFERS TO OUTSIDE PROP TOC ELEV.  
 2. PC, PT, AND PI REFERENCES ARE TO FACE OF CURB.

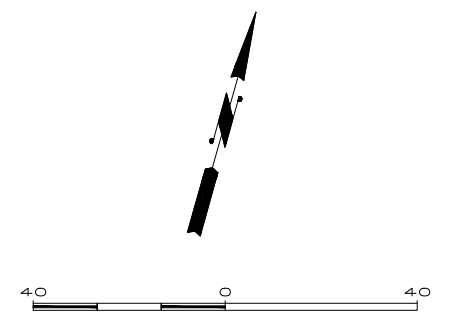


REV. NO.	BID SET	DESCRIPTION	DATE	APP.
			04/03/24	
<b>LAKE OLYMPIA PARKWAY SEGMENT 2 LAKE OLYMPIA PARKWAY PROFILE STA 85+00 TO STA 89+50</b>				
<b>TERRA</b> <small>a Bowman company</small>		1445 N. LOOP WEST - SUITE 450 HOUSTON, TEXAS 77008 713-993-0333 TBPE Registration No.: F-14309		
DRAWN BY: J.J.		SCALE: 1" = 40' H 1" = 4' V	PROJECT No. 0522-1802 CONTRACT: 17201	
CHECKED BY: S.G.		DATE: APRIL 03, 2024	SHEET 40 OF 211	

F:\Clients\0522-Fort Bend County Engineering\0522-1802 Lake Olympia Phase 2\Drawings\41 PLAN AND PROFILE STA 89+50 TO STA 94+10.dwg Jan 29, 2026 - 4:42pm Terra Associates Inc., Frank Vasquez



**BENCHMARK**  
 HCFCRM 010225, BRASS DISK ON THE EAST END OF A CONCRETE HEADWALL ON THE NORTH SIDE OF FM 2234 AT CLEAR CREEK, NAVD '88 DATUM, 2001 ADJ. ELEVATION=64.42

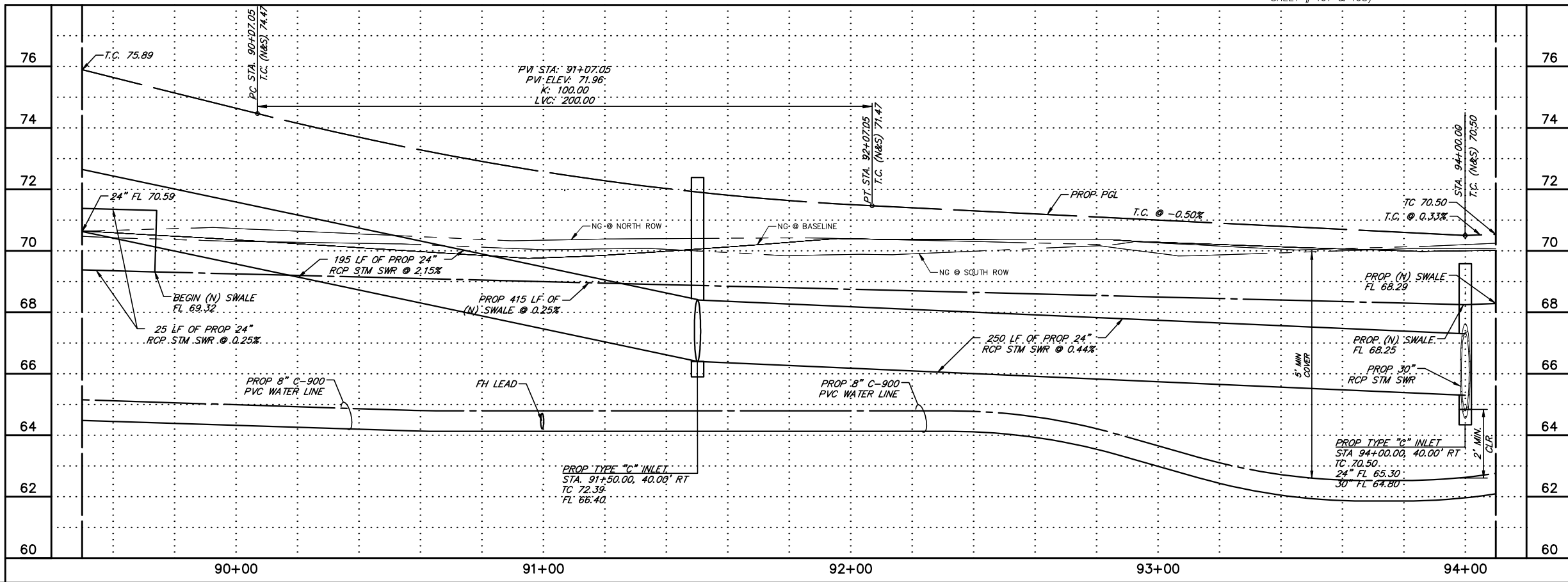


**TO BE REMOVED**  
 1 WOODED AREAS\* (ITEM 562)  
 \*ITEMS ARE INCIDENTAL TO SPECIFICATION SECTIONS NOTED

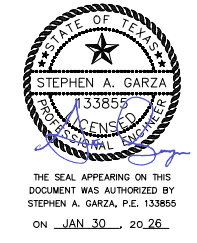
**NOTES:**  
 1. PROP PGL REFERS TO OUTSIDE PROP TOC ELEV.  
 2. PC, PT, AND PI REFERENCES ARE TO FACE OF CURB.

**LAKE OLYMPIA PARKWAY**

(SEE DETENTION POND LAYOUT AND INTERCEPTOR SWALE SHEET # 167 & 168)



CURVE TABLE					
Curve #	Length	Radius	Delta	Chord Direction	Chord Distance
C6	685.79'	2000.00'	19°38'47"	N76°59'17"E	682.44'

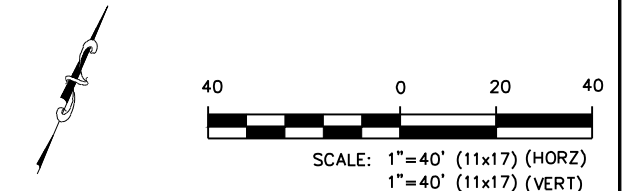
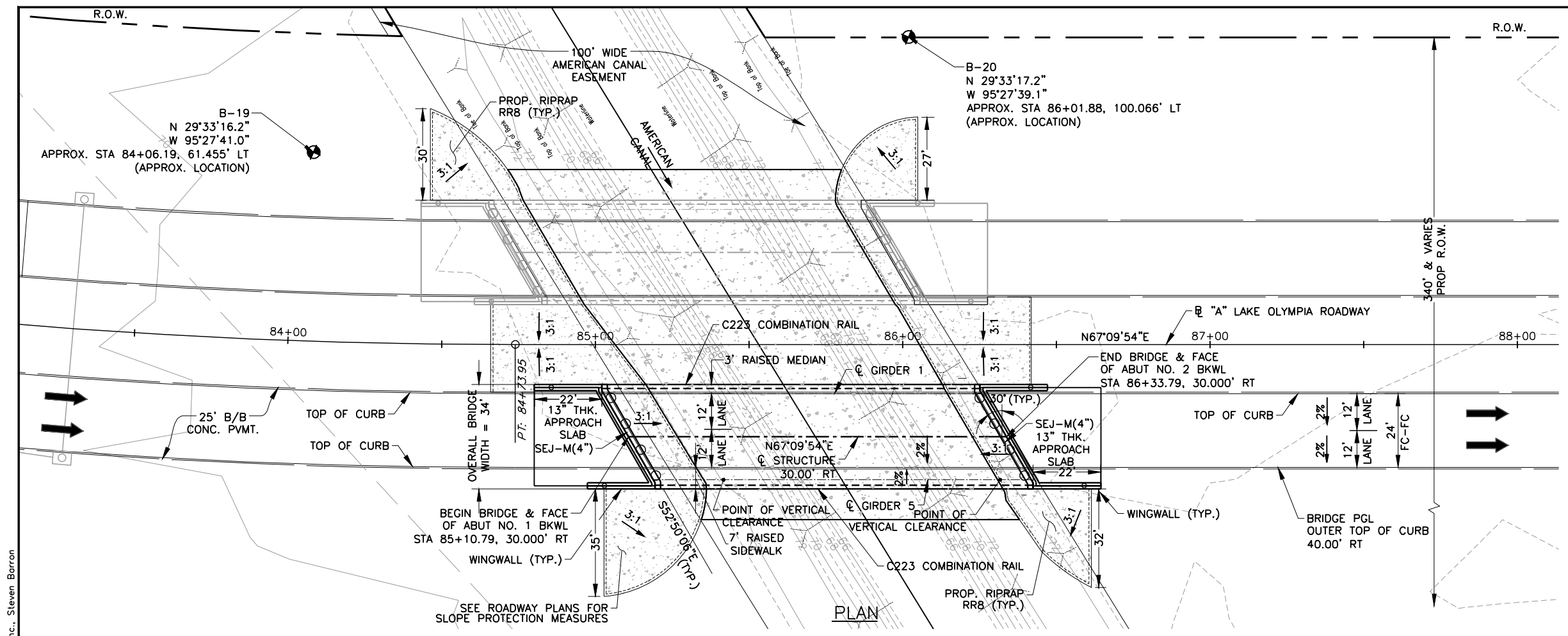


REV. NO.	BID SET	DESCRIPTION	DATE	APP.
			04/03/24	

**LAKE OLYMPIA PARKWAY  
 SEGMENT 2  
 LAKE OLYMPIA PARKWAY  
 PLAN AND PROFILE  
 STA 89+50 TO STA 94+10**

**TERRA** a Bowman company 1445 N. LOOP WEST - SUITE 450  
 HOUSTON, TEXAS 77008  
 713-993-0333  
 TBPE Registration No.: F-14309

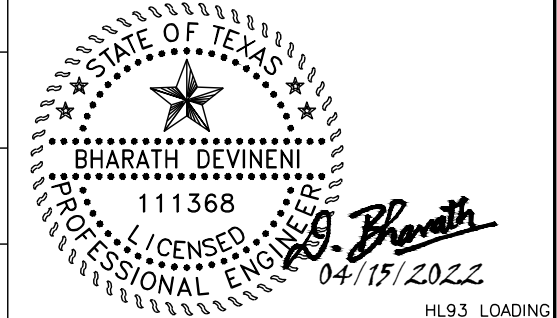
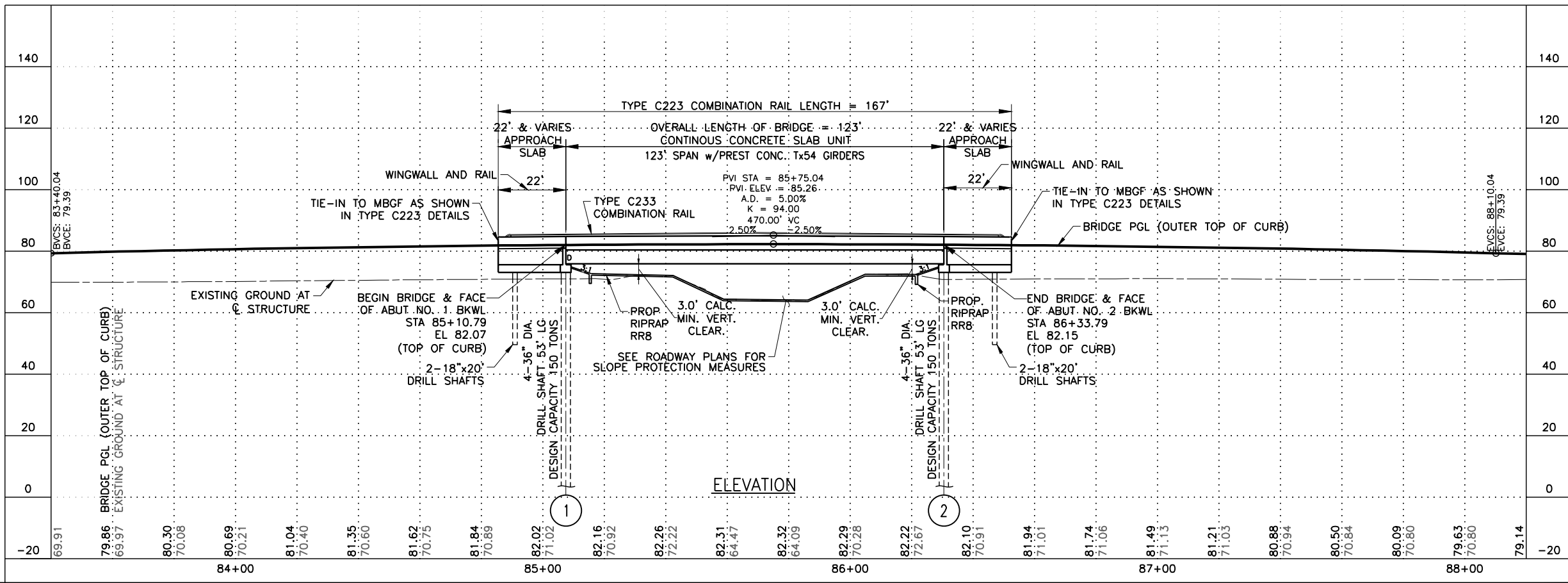
DRAWN BY: J.J. SCALE: 1" = 40' H, 1" = 4' V PROJECT No. 0522-1802 CONTRACT: 17201  
 CHECKED BY: S.G. DATE: APRIL 03, 2024 SHEET 41 OF 211



- LEGEND:**
- NG NATURAL GROUND
  - TC TOP OF CURB
  - FC FACE OF CURB
  - MBGF METAL BEAM GUARD FENCE
  - B-19 SOIL BORING
- REFER TO SOIL BORING LOG SHEET FOR SOIL DATA

- NOTES:**
1. DESIGNED IN ACCORDANCE WITH AASHTO LFRD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION (2017) AND CURRENT INTERIMS FOR HL93 LOADING.
  2. BEAM END CONDITIONS:  
D - DENOTES DOWEL AT EXTERIOR BEAMS ONLY  
BLANK - DENOTES NO DOWEL.
  3. LOCATIONS OF EXISTING UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL VERIFY LOCATION PRIOR TO CONSTRUCTION.
  4. SEE BRIDGE TYPICAL SECTION SHEET FOR DETAILS OF BRIDGE SECTION.
  5. SEE BENT DETAIL SHEETS FOR COLUMN HEIGHTS.
  6. STATIONS AND ELEVATIONS SHOWN SHOULD BE FIELD VERIFIED BY THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY AND/OR CORRECT ALL GRADES, DIMENSIONS AND ELEVATIONS PRIOR TO FABRICATION OF ANY BRIDGE ELEMENT. MODIFICATIONS OR FIELD ADJUSTMENTS ARE TO BE APPROVED BY THE ENGINEER.
  7. STATIONS AND OFFSETS ARE FROM BASELINE "A" LAKE OLYMPIA ROADWAY.
  8. REFER TO ROADWAY PLAN AND PROFILE SHEETS FOR ROADWAY AND DRAINAGE DETAILS.
  9. BRIDGE PROFILE GRADE LINE (PGL) IS AT OUTER TOP OF CURB, AS SHOWN IN TYPICAL SECTIONS SHEET.

DESIGN SPEED: 45 MPH  
RFC: MAJOR THOROUGHFARE



REV. NO.	DESCRIPTION	DATE	APP.

**LAKE OLYMPIA PARKWAY  
SEGMENT 2  
BRIDGE LAYOUT  
BRIDGE OVER AMERICAN CANAL - EASTBOUND**

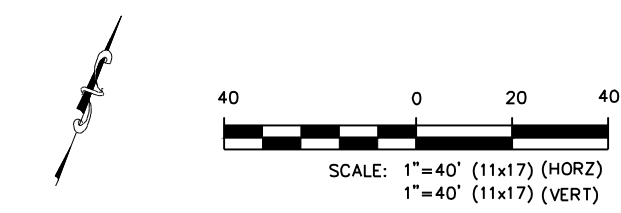
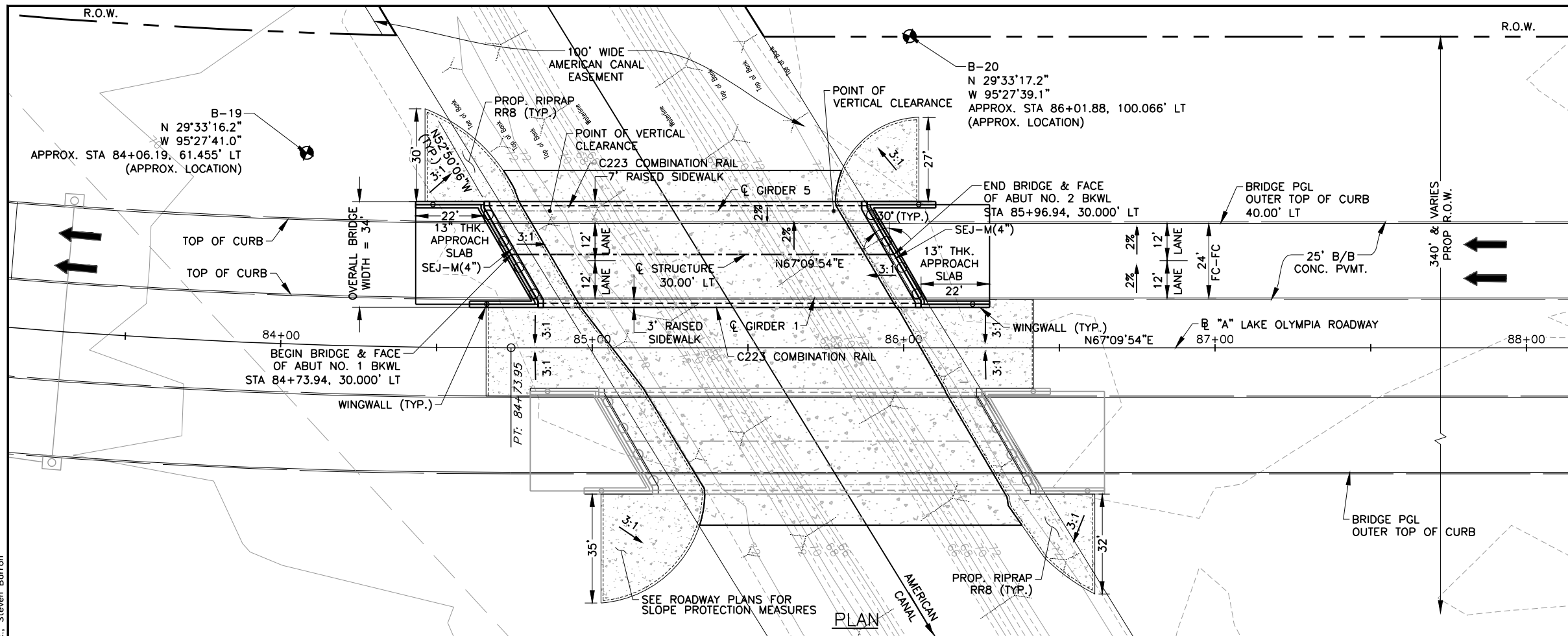
**GC ENGINEERING, INC.**  
2505 PARK AVE. PEARLAND, TEXAS 77581  
Phone: (281) 412-7008 FAX: (281) 412-4623  
TBPE Registration No. F-7889

DRAWN BY: B.D. SCALE: 1"=40'(H)  
1"=40'(V) PROJECT No. GCE C-0808  
CONTRACT: 17201

CHECKED BY: A.M.R. DATE: APRIL 15, 2022 SHEET 98 of 210

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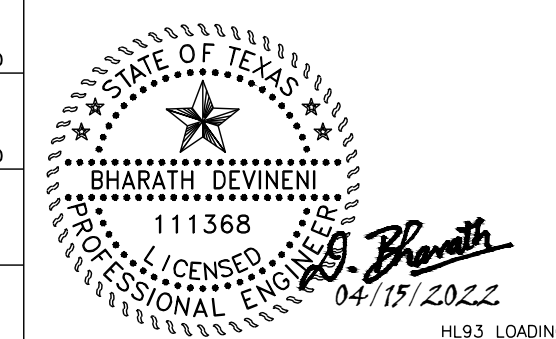
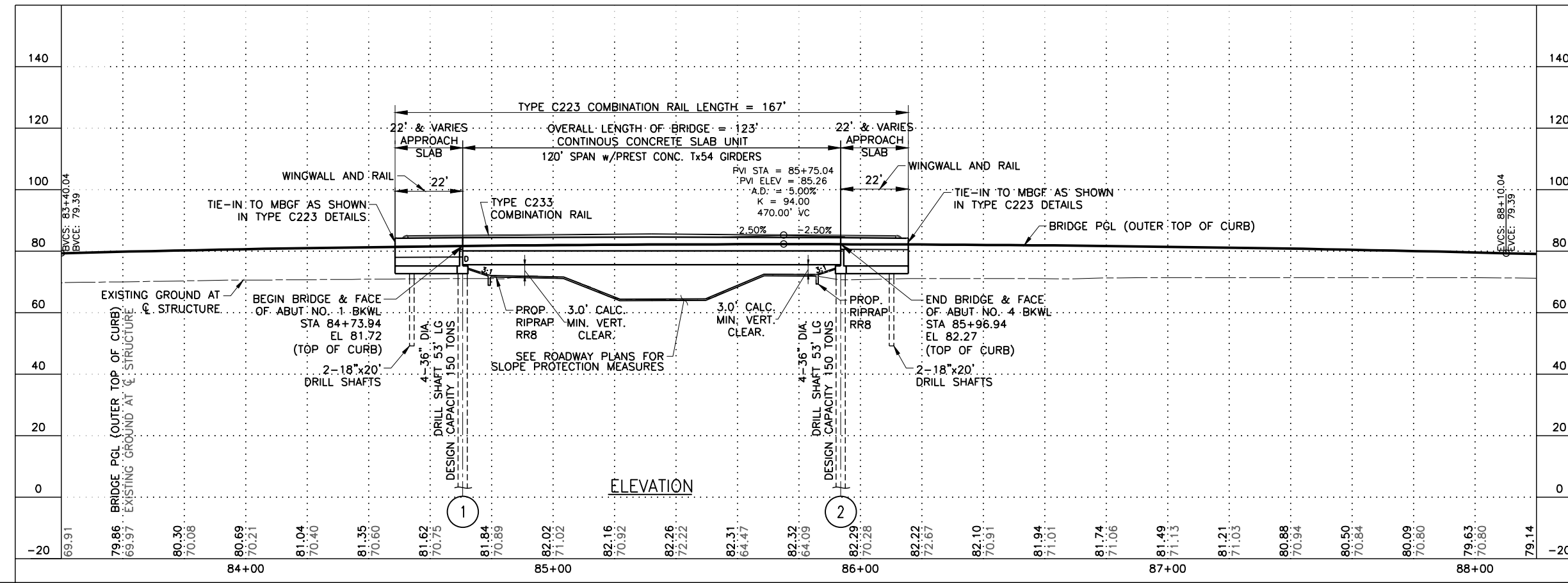
M:\Projects\c - 0808 - lake olympia segment 2\Drawings\Master-COB08-AC.dwg Apr 14, 2022-5:19pm GC Engineering, Inc., Steven Barron



- LEGEND:**
- NG NATURAL GROUND
  - TC TOP OF CURB
  - FC FACE OF CURB
  - MBGF METAL BEAM GUARD FENCE
  - B-19 SOIL BORING
- REFER TO SOIL BORING LOG SHEET FOR SOIL DATA

- NOTES:**
1. DESIGNED IN ACCORDANCE WITH AASHTO LFRD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION (2017) AND CURRENT INTERIMS FOR HL93 LOADING.
  2. BEAM END CONDITIONS:  
D - DENOTES DOWEL AT EXTERIOR BEAMS ONLY  
BLANK - DENOTES NO DOWEL.
  3. LOCATIONS OF EXISTING UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL VERIFY LOCATION PRIOR TO CONSTRUCTION.
  4. SEE BRIDGE TYPICAL SECTION SHEET FOR DETAILS OF BRIDGE SECTION.
  5. SEE BENT DETAIL SHEETS FOR COLUMN HEIGHTS.
  6. STATIONS AND ELEVATIONS SHOWN SHOULD BE FIELD VERIFIED BY THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY AND/OR CORRECT ALL GRADES, DIMENSIONS AND ELEVATIONS PRIOR TO FABRICATION OF ANY BRIDGE ELEMENT. MODIFICATIONS OR FIELD ADJUSTMENTS ARE TO BE APPROVED BY THE ENGINEER.
  7. STATIONS AND OFFSETS ARE FROM BASELINE "A" LAKE OLYMPIA ROADWAY.
  8. REFER TO ROADWAY PLAN AND PROFILE SHEETS FOR ROADWAY AND DRAINAGE DETAILS.
  9. BRIDGE PROFILE GRADE LINE (PGL) IS AT OUTER TOP OF CURB, AS SHOWN IN TYPICAL SECTIONS SHEET.

DESIGN SPEED: 45 MPH  
RFC: MAJOR THOROUGHFARE



REV. NO.	DESCRIPTION	DATE	APP.

HL93 LOADING

**LAKE OLYMPIA PARKWAY  
SEGMENT 2  
BRIDGE LAYOUT  
BRIDGE OVER AMERICAN CANAL - WESTBOUND**

**GC ENGINEERING, INC.**

2505 PARK AVE. PEARLAND, TEXAS 77581  
Phone: (281) 412-7008 FAX: (281) 412-4623  
TBPE Registration No. F-7889

DRAWN BY: B.D.	SCALE: 1"=40'(H) 1"=40'(V)	PROJECT No. GCE C-0808 CONTRACT: 17201
CHECKED BY: A.M.R.	DATE: APRIL 15, 2022	SHEET 108 of 210