

**SUPPLEMENTAL CONDITIONS**

- 1. GENERAL  
The Provisions of this Section of the Technical Specifications shall govern in the event of any conflict between them and General Conditions.
  
- 2. DESIGN PROFESSIONAL  
The words “Design Professional” in these Technical Specifications shall be understood as referring to [INSERT DESIGN PROFESSIONAL'S NAME AND ADDRESS], Design Professional of the City, or such other Design Professional, or persons as may be authorized by the City to act in any particular position.
  
- 3. LOCATION OF THE PROJECT  
This project is located in Friendswood, Texas, [INSERT COUNTY] County. Map showing the general location of this project is included in the Drawings.
  
- 4. CONSTRUCTION IN PUBLIC STREETS AND PRIVATE DRIVES
  - A. No public road shall be entirely closed overnight. It shall be the responsibility of the Contractor to build and maintain all-weather bypasses and detours, if necessary, and to properly light, barricade and mark all bypasses and detours that might be required on and across the streets involved in the Work included in this Contract. The residents along the affected road(s) shall be contacted a minimum of forty-eight hours (48 Hrs) prior to the time the construction shall commence at their driveways or entrances and informed as to the length of time the driveways shall be closed.
  - B. The Contractor shall make every effort to complete construction and allow immediate access to adjacent property at all driveway entrances located along the streets. The Owners or Tenants of commercial properties where access and/or entrance drives which shall be affected by construction shall be notified a minimum of twenty-four hours (24 Hrs) prior to the time the construction shall be started at their driveways or entrances and informed as to the length of time driveways shall be closed.
  - C. During inclement weather the Contractor shall construct temporary gravel or shell crossings and wooden walkways to allow ingress and egress across excavated areas at no expense to the City and as directed by the Project Manager or the City’s Design Professional.
  - D. The Contractor shall be responsible for all streets and entrance reconstruction and repairs and maintenance of same for a period of one year (1 Yr) from the date of such reconstruction or Substantial Completion, whichever is longer. In the event the repairs and maintenance are not made immediately to the satisfaction of the City, and it becomes necessary for the City to make such repairs, the Contractor shall reimburse the City for the cost of such repairs.
  - E. The Contractor shall, at all times, keep a sufficient width of the roadway clear of dirt and other material to allow the free flow of traffic. The Contractor shall assume any and all responsibility for damage, personal or otherwise, that may be caused by the construction along public streets or private drive.
  - F. During the prosecution of the Work, the Contractor shall obstruct public travel

as little as possible and in no case shall there be less than twelve feet (12 Ft) in width of unobstructed roadway for traffic.

5. MAINTENANCE OF STORM SEWER, UTILITY CROSSINGS, AND EXISTING ROADWAYS

The Contractor shall maintain storm sewers, utilities, pipelines, and drainage facilities along the construction route at all times during construction at no additional expense to the City. Storm sewers and utilities crossing existing roadways shall be backfilled in accordance with these Technical Specifications and the Standard Details to an elevation six inches (6 In) below the elevation of the existing roadway. A temporary road patch of six inches (6 In) thick of compacted limestone base shall be constructed to or a little above the elevation of the existing roadway within the limits of the pavement removal at no additional cost to the City. The existing roadway shall be maintained throughout the construction. Pot hole appearing in the base or the existing pavement shall be deemed a hazard to the general public and shall be filled and maintained as directed by the Project Manager.

6. PUBLIC UTILITIES AND OTHER PROPERTY TO BE CHANGED

In case it is necessary to change or move the property of any owner or public utility, such property shall not be moved or interfered with until ordered to do so by the Project Manager. The right is reserved to the owner of public utilities to enter upon the limits of the project for the purpose of making such changes or repairs of their property that may be made necessary by performance of this Contract.

7. TEMPORARY CONSTRUCTION

No material which has been used by the Contractor for any temporary purpose whatever is to be incorporated in the permanent structure without written permission of the Project Manager.

8. PROJECT MAINTENANCE

The Contractor shall maintain and keep in good repair all work contemplated under these Drawings, Exhibits and/or Technical Specifications which shall include the maintenance and repair of all existing streets, storm sewer crossings, utility crossings, temporary crossings for access to adjacent property, wooden walkways, barricades, lights, danger signals and all work which is necessary for the well-being of the general public. In the event the Contractor fails to properly maintain the Work, the City shall make such repairs as are necessary and the cost of said repairs shall be deducted from payment due to the Contractor.

9. BORINGS

Wherever certain test borings are made on this site, the locations of such test borings and the information revealed by them is indicated on the Drawings and profiles for the project. These borings shall not be construed as a warranty on the part of the City of the exact nature of the subsurface conditions that will be encountered during construction of the Work. The information thus furnished is intended only as a guide to the Contractor in making their own investigations preliminary to submitting a price for the Work.

10. PROPERTY LINES AND MONUMENTS

The Contractor shall protect all property corner markers and when any such markers or monuments are in danger of being disturbed, they shall be properly referenced and if disturbed, shall be reset by a Professional Land Surveyor licensed by the State of Texas, at the expense of the Contractor.

11. EXISTING STRUCTURES

The Drawings show the locations of all known surface and subsurface structures. However, the City assumes no responsibility for failure to show any or all of these structures on the Drawings, or to show them in their exact locations. It is mutually agreed that such failure shall not be considered sufficient basis for claims for additional compensation for extra work or for increasing the pay quantities in any manner whatsoever, unless the obstruction encountered is such as to necessitate substantial changes in the lines or grades, or requires the building of special work, provisions which are not made in the Drawings and the Proposal, in which case the provisions in these Technical Specifications for extra work shall apply.

12. BARRICADES, LIGHTS, AND WATCHMEN

- A. Where the Work is carried on, in or adjacent to any street, alley or public place, the Contractor shall at their own cost and expense furnish and erect such barricades, fences, battery type flasher-markers and danger signals, shall provide watchmen, and shall provide such other precautionary measures for the protection of persons or property and the Work as are necessary. Barricades shall be painted using color that shall be visible at night and reflective. From sunset to sunrise the Contractor shall furnish and maintain at least one (1) battery type flasher-marker at each barricade and sufficient number of barricades shall be erected to keep vehicles from being driven on or into any work under construction. The Contractor shall furnish watchmen in sufficient numbers to protect the Work and the public.
- B. The Contractor shall be held responsible for all damage to the Work due to failure of barricades, signs, lights and watchmen to protect it, and whenever evidence is found of such damage, the Project Manager shall order the damaged portion to be immediately removed and replaced by the Contractor at no additional cost to the City. The Contractor's responsibility for the maintenance and repair of barricades, signs and lights, and for providing watchmen shall not cease until the project has been accepted by the City.
- C. Materials and equipment stored in or near the path of traffic shall be protected with red flags during the day and with lights during the night.

13. FENCES, DRAINAGE CHANNELS, AND CROP DAMAGE

- A. Boundary fences or other improvements removed to permit the installation of the Work shall be replaced in the same location and left in a condition as good or better than that in which they are found. This shall include landscaping, gardens, etc.
- B. Where surface drainage channels are disturbed or blocked during

- construction, final restoration to their original condition of grade and cross section shall be accomplished after the Work of construction is completed. Interim reshaping and cleanup shall occur immediately after trench backfilling.
- C. The Contractor shall not be held liable for unavoidable damage of crops provided such damage occurs within the construction easement provided by the City.
14. DISPOSAL OF WASTE AND SURPLUS EXCAVATION
- A. All trees, stumps, slashings, brush or other debris removed from the sites as a preliminary to the construction work shall be removed from the property and disposed of in a manner approved by the Project Manager.
- B. All excavated earth in excess of that required for backfilling shall be removed from the job site and disposed of in a satisfactory manner except in locations where, in the judgment of the Project Manager, it can be neatly spread over and along sites to form the finished contours.
15. WATER FOR CONSTRUCTION
- A. Water used for sprinkling, testing and flushing of waterlines or any other purpose incidental to this project, shall be furnished to the Contractor. The Contractor shall make necessary arrangements for securing and transporting said water and shall take said water in a manner and at such times that will not produce a harmful drain or decrease of pressure in the City's water system. Water shall not be used in a wasteful manner.
- B. Water shall be dispensed from a meter from the City' Department of Public Works. The Contractor shall not operate any valves on the existing water supply without a Public Works employee present. All water going into containers shall use a vacuum break.
- C. There shall be no jetting or flooding of trenches.
16. LIGHTS AND POWER
- The Contractor shall provide, at the Contractor's expense, electrical power, temporary lighting, and facilities required for the proper prosecution and inspection of the Work.
17. CLEANUP
- A. Cleanup shall follow the execution of the Work. At the conclusion of the Work, all tools, temporary structures, and materials belonging to the Contractor shall be promptly removed and all dirt, rubbish and other foreign substances shall be disposed of properly.
- B. The Contractor shall thoroughly clean all equipment and materials installed by the Contractor and shall deliver over such materials and equipment undamaged in a bright, clean polished and new appearing condition.
- C. During construction of the Work, the Contractor shall, at all times keep the site of the Work and adjacent premises as free of material, debris and rubbish, as is practicable and shall remove same from any portion of the site, if, in the opinion of the Project Manager, such material, debris or rubbish constitutes a nuisance or is objectionable.

- D. The Contractor shall remove from the site all of his surplus materials and temporary structures when no further need therefore develops.
18. **EXISTING UTILITIES, PIPELINES, AND SERVICE LINES**  
The Contractor shall be responsible for the protection of all existing utilities, pipelines, and service lines crossed or exposed by the construction operations. Where existing utilities, pipelines, or service lines are cut, broken, or damaged, the Contractor shall replace or repair them with the same type of original material and construction, or better, at the Contractor's own cost, with the exception of those items included in the price schedule.
19. **POLES, SIGNS, GUY WIRES, ETC.**
- A. All utility poles and guy wires, private sign posts, signs and guy wires, and similar private obstructions which interfere with the construction of this project shall be removed and replaced, or moved to new permanent locations by the owners thereof, at the Contractor's expense. No separate compensation shall be paid for this work, but the costs thereof shall be included in such contract pay items as are provided.
- B. The removal and replacement of the City's street sign post and signs are the responsibility of the Contractor. The Contractor shall be responsible for all damage to street sign posts and signs within the limits of the Contractor's operations that remain in place or are removed and replaced. In the event street sign posts and/or signs are damaged or destroyed by the Contractor's operations, said sign posts, or signs shall be replaced by the Contractor at no cost to the City.
- 1) All signs on City Streets that are not Texas Department of Transportation (TxDOT) Highways shall be purchased directly from the Department of Public Works.
20. **SALVAGED MATERIALS**  
All materials removed during the construction of the projects, and designation on the Drawings or by the Project Manager, as salvaged materials, shall be removed, cleaned, and stored as directed by the Project Manager. Salvaged materials shall be the property of the City.
21. **PROTECTION OF IMPROVEMENTS**  
The Contractor shall be entirely responsible for the protection of all improvements that are not designated by the Project Manager to be removed for proper construction of the project; this shall include sidewalks, buildings, walls, existing inlets and manholes, underground utilities, shrubs trees, signs, sod and pavement.
22. **PROTECTION OF TREES**  
No trees shall be removed or cut except upon the specific approval of the City. Trees adjacent to the Work shall be protected from all damage by construction operations and as specified in Tree and Plant Protection.
23. **PROTECTION AND ADJUSTMENT OF EXISTING WATER VALVE BOXES**

Water valve locations shall be furnished by the City prior to the grading operations. Protection of existing water valve boxes located within the limit of the Work shall subsequently be the responsibility of the Contractor. Failure to show water valve box locations on the Drawings does not relieve the Contractor of the responsibility to prevent damage to the valves and boxes. The Contractor shall adjust all water valve boxes which require adjustment to new pavement grade. Water valve boxes shall be adjusted as per Technical Specification 02310 – Adjusting Manholes, Inlets, and Valve Boxes to Grade.

**24. ADJUSTMENT OF TOPS OF EXISTING SANITARY SEWER MANHOLES**

Tops of existing sanitary sewer manholes shall be adjusted where necessary to match the grade of new pavement. Adjustment shall be made by breaking back the top portion of the manhole and rebuilding to conform to the new grade. Tops of manholes shall be adjusted as per Technical Specification 02310 – Adjusting Manholes, Inlets, and Valve Boxes to Grade.

**25. PROTECTION AGAINST ACCIDENT TO EMPLOYEES AND THE PUBLIC**

The Contractor and Contractor's Sureties shall indemnify, defend and save harmless the City and the City's Design Professional, and all their officers, agents and employees from all suits, actions and claims of any character, name and description brought for or on account of any injuries or damages received or sustained by any person or persons or property on account of any act, omission or fault of the Contractor, their agents or employees, in the execution of said Contract; or on account of the failure of the Contractor to provide the necessary barricades, warning lights or signs; and shall be required to pay any judgment, with costs, which may be obtained against the City and/or the City's Design Professional growing out of such injury or damage.

**26. LINES AND GRADES**

A. The City's Design Professional shall furnish survey control to enable the Contractor to set construction stakes for the Work. Said controls shall be one (1) horizontal control and one (1) vertical control. The Contractor shall be responsible for all construction staking. Any field conditions that appear to be in conflict with the Drawings shall be submitted to the City's Design Professional in writing with adequate time allowed the City's Design Professional to resolve the conflict. No compensation for surveying shall be made without prior written approval from the City and the City's Design Professional.

B. **THE FURNISHING OF THE CONTROL DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF INSURING THAT THE WORK IS CONSTRUCTED TO THE LINES AND GRADES SHOWN ON THE DRAWINGS.**

**27. AFFIDAVIT OF PAYMENT**

A. Request for payment shall be accompanied by an Affidavit of Payment, duly signed, and if a Corporation attested to, stating that all cost of labor, material, equipment, taxes, etc., pertinent to this project, have been paid and are

current.

- B. The Final Payment, besides having the Document listed in Paragraph 27.A of Supplemental Conditions, shall also have filed Waiver and Release of Lien.

**28. INTERRUPTION OF UTILITY SERVICES**

Each and every Contractor and Subcontractor performing at the site of the Project shall not operate any valve or other control on existing systems and shall exercise care in performing work so as not to interrupt service. At house connections, every Contractor and Subcontractor performing at the site shall either lift trenching machine over lines or cut and reconnect with minimum interruption of service as approved by the City's Design Professional.

**29. LOSSES FROM NATURAL CAUSES**

Unless otherwise specified, all loss or damage to the Contractor arising out of the nature of the Work to be done, or from the action of the elements, or from any unforeseen circumstances in the prosecution of the same, or from unusual obstructions or difficulties which may be encountered in the prosecution of the Work, shall be sustained and borne by the Contractor at no additional cost to the City.

**30. MAINTENANCE AND INSTRUCTION MANUALS**

Furnish three (3) bound sets of Maintenance and Instruction Manuals. Bind manuals in volumes of not more than four inches (4 In) thick, in hard back nine inch by twelve inch (9 In x 12 In) binders. Include like equipment in one (1) volume with heavy duty dividers, separating equipment. Catalog and index all volumes. Operation and Maintenance Manuals or Bulletins shall include necessary data for reordering replacement parts, lubrications schedules, and procedures for required maintenance. These items shall be included but not limited to: exhaust fans, air conditioning units, louvers, generator sets, pumps, motors, variable speed drives, mechanical drives, electrical switchgear and controls, electrical fixtures, valves, instrumentation, chlorinators, meters, gauges and miscellaneous mechanical and electrical components supplied under this Contract.

**31. SUBCONTRACTOR VALUES**

The Contractor shall not employ Subcontractors whose aggregate value of work exceeds fifty percent (50%) if the total amount of the Contract Price as stipulated in the Standard Agreement.

**32. PROJECT REPRESENTATIVE SERVICES**

Project Representative Services shall be the responsibility of the Project Manager and these services shall be in accordance with the Standard Agreement between the City and the City's Design Professional. The Project Representative's duties shall include preparation of daily reports, determination that the project is proceeding in general compliance with the Contract Documents, measurement of material quantities and reporting to the Project Manager any work that should be stopped when it appears that the completed project may not comply with the requirements of the Contract Documents. The Project Representative shall be the liaison between the Contractor and the City's Design Professional and the City. The

Project Representative's responsibilities begin after the Contract is awarded and terminate after the Final Inspection.

**33. CONTRACTOR SUBMITTED ALTERNATE DESIGNS**

- A. If alternate design features are proposed for convenience of the Contractor, Contractor shall submit design calculations and detailed Drawings covering the proposed changes and related modifications of the Contract Drawings for review. Contractor shall make the Drawings the same size as the Contract Drawings and of comparable quality. The Contractor shall make payment to the City for all charges resulting from modifications, including engineering charges for checking such designs.
- B. If substitute items of equipment are allowed, and they vary materially from those shown on the Contract Drawings, Contractor shall prepare equipment data and detailed Drawings covering necessary modifications for the City's Design Professional for approval. Contractor shall make the Drawings the same size as the Contract Drawings and of comparable quality. The Contractor shall make payment to the City for all charges resulting from the modifications, including engineering charges for checking the modifications.

**34. COST BREAKDOWN**

Within fifteen days (15 D) after the execution of the Contract, Contractor shall submit, in acceptable form, a schedule showing subdivision of the Contract into various items of permanent construction, stating quantities and prices, as basis for computing values to the City of permanent usable parts of the facility to be paid for on monthly estimates.

**35. MATERIALS AND EQUIPMENT**

Contractor shall incorporate into the Work only new materials and equipment of domestic manufacture unless otherwise designated. Contractor shall store these materials and equipment in a manner to protect them from damages. The manner of protection is subject to the specific approval of the City's Design Professional. Pipe, fittings, equipment and other serviceable materials found on site of work or dismantled by reason of construction, remain property of the City. Contractor shall remove and deliver materials to the City at designated points. Contractor shall pay, at prevailing market price, for usable materials that are damaged through negligence.

**36. SPECIAL SPECIFICATIONS AND SPECIAL PROVISIONS**

Basic Technical Specification Items are those which follow prescribed general requirements. Special Specifications are those which supplement the Technical Specifications and are specific to this project, where there are no Technical Specifications covering certain portions of the Work. When necessary, Special Provisions are inserted to describe additional requirements appreciable to this Contract. Special Provisions are to be used in conjunction with the Technical Specification and Special Specification Items. In event of conflict, the requirements set forth in the Special Provisions as set forth will govern. In the event of conflict between the requirements shown on the Drawings and those contained in the

Technical Specifications, then the governing item shall be as specified in General Conditions.

**37. AS-BUILT DIMENSIONS**

The Contractor shall make daily measurements of facilities. On completion of the project, the Contractor shall furnish the City with one (1) set of blue lines, marked with red pencil, to show as-built dimensions and location of all the Work constructed.

**38. ARCHEOLOGICAL CONSTRUCTIONS**

A. No activity which may affect a State Archeological Landmark is authorized until the City has complied with the provisions of the Antiquities Code of Texas. The City has previously coordinated with the appropriate agencies and impacts to known cultural or archeological deposits have been avoided or mitigated. However, the Contractor may encounter unanticipated cultural or archeological deposits during construction.

B. If archeological sites or historic structures are discovered after construction operations are begun, the Contractor shall immediately cease operations in that particular area and notify the City and the Texas Historical Commission at (512) 463-6096. The Contractor shall take reasonable steps to protect and preserve the discoveries until they have been inspected by the City and the appropriate State Agency. The City shall promptly coordinate with the Texas Historical Commission and any other appropriate agencies to obtain any necessary approvals or permits to enable the Work to continue. The Contractor shall not resume work in the area of the discovery until authorized to do so by the City.

C. Contractor, subcontractor and their respective employees shall have no claim to artifacts or treasure, found or discovered and shall assign any claim, as such, to the City.

**39. ENDANGERED SPECIES**

No activity is authorized that is likely to jeopardize the continued existence of a threatened or endangered species as listed or proposed for listing under the Federal Endangered Species Act (ESA), and/or the State of Texas Parks and Wildlife Code on Endangered Species, or to destroy or adversely modify the habitat of such species. If a threatened or endangered species is encountered during construction, the Contractor shall immediately cease work in the area of the encounter and notify the applicable State Agency. The actions shall include reporting the encounter to the U.S. Fish and Wildlife Service, and the Texas Parks and Wildlife Department, obtaining any necessary approvals or permits to enable the Work to continue, or implement other mitigative actions. The Contractor shall not resume construction in the area of the encounter until authorized to do so by the City.

**40. OPERATION OF FACILITIES**

The Contractor shall not operate, tap, or tamper with any existing facilities. Where construction involves operation of any existing facilities the City shall perform such operation. Any connection to existing equipment or systems to be schedule and approved in advance with performance to occur in the presence of the Project Manager.

41. SCOPE OF WORK

- A. Under this Contract, the Contractor shall furnish all materials, appliances, tools, equipment, transportation, services and all labor and superintendence necessary for construction of the Work as described in these Technical Specifications and as shown in the Drawings. The completed installation shall not lack any part which can be reasonably implied as necessary to its proper functioning or any subsidiary item which is customarily furnished, and the Contractor shall deliver the completed and operating installation to the City.
- B. The Work in general under this Contract includes, but is not limited to, that Work which is enumerated in the Unit Price Form or Total Stipulated Price Form of the Contract Documents.

**END OF SECTION**