

EXHIBIT “F”
HIDALGO COUNTY
Professional Engineering Services
C-22-0375-10-04
(ARPA-22-124-096)

WORK AUTHORIZATION NO. 1

THIS WORK AUTHORIZATION is made pursuant to the terms and conditions of the Professional Engineering Services Agreement No. **C-22-0375-10-04**, incorporated herein by reference, for the “**North Main Drain III Phase II Project**” made by and between HIDALGO COUNTY, action herein by and through the Commissioner’s Court, hereinafter called the “**Owner**,” and L & G Consulting Engineers, Inc., hereinafter called “**Engineer**”.

PART 1. SCOPE OF WORK

The purpose of this Work Authorization is for the **Engineer** to provide the preparation of Plans, Specifications, Estimates, and Construction Management Services.

The **Engineer** is to provide the scope of Services as required by the Agreement with Owner.

The scope of services to be provided by the **Engineer** is identified in **Attachment “A”** – “*Scope of Services to be provided by Engineer*” attached hereto and incorporated by reference.

PART 2. ESTIMATED COST

The estimated cost for services under this Work Authorization is **\$337,100.80**. This amount is based upon the costs outlined in the **Attachment “B”** – “*Fee Proposal*” attached hereto and incorporated by reference.

PART 3. PAYMENT

Compensation and payment to the Engineer for the services established under this Work Authorization shall be made in accordance with the **Professional Engineering Services Agreement No. C-22-0375-10-04** between the **Owner** and the **Engineer**.

PART 4. FUNDING

This Work Authorization No.1 shall be funded through funding source:

Account No. **2-1290-431-50-115-283-1-723**

Requisition Number _____ (**MUST BE INCLUDED AFTER CC APPROVAL**)

PART 5. PERIOD OF SERVICE

This Work Authorization shall become effective on the date of final acceptance of the parties hereto, and terminate **upon completion of the scopes of the Work Authorization, within the limits of Agreement No. C-22-0375-10-04, provided in this Work Authorization; or on (_____ DATE _____).** *If applicable:* Engineer shall conform to the approved “Work/Project Schedule”, attached hereto and incorporated by reference herein as **Attachment “C”**.

PART 6. RESPONSIBILITIES AND OBLIGATIONS

This Authorization does not waive the parties' responsibilities and obligations provided under the **Agreement No. C-22-0375-10-04**

PART 7. ACKNOWLEDGEMENT AND CONFIRMATION

Acknowledgement and confirmation by **Hidalgo County Precinct 4, Commissioner Ellie Torres**, as to content and detail of this **Work Authorization No. 1**.

HIDALGO COUNTY PRECINCT No. 1

By: _____

Ellie Torres, Commissioner

PART 8. ACCEPTANCE AND APPROVAL

This Work Authorization is hereby accepted and approved by the Hidalgo County Commissioners Court and hereby executed and effective as of the date indicated below.

APPROVED BY COMMISSIONERS' COURT ON October 04, 2022.

Agenda Item No. 87697

Executive Office: _____

ENGINEER:

COUNTY:

L & G Consulting Engineers, INC

COUNTY OF HIDALGO

David A. Saenz, P.E, C.F.M

Hon. Richard F. Cortez, County Judge

ATTEST:

Arturo Guajardo, Jr., County Clerk

LIST OF ATTACHMENTS:

Attachment "A" – *Scope of Services to be provided by Engineer*

Attachment "B" – *Fee Proposal*

Attachment "C" – *Approved Work/Project Schedule (If applicable)*



ATTACHMENT A

PROJECT SPECIFIC SCOPE OF SERVICES TO BE PROVIDED BY ENGINEER

ATTACHMENT A

SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER

SECTION 1-PROJECT DESCRIPTION

The services designated herein as “Services provided by the ENGINEER” shall include the performance of all engineering services for the following described facility:

COUNTY/CITY: Hidalgo County

CONTROL: _____

PROJECT/DESCRIPTION: WA #1 – North Main Drain III ~ Phase II

LENGTH: _____

LIMITS: **ARPA Funded Drainage Improvement Project**

PROJECT CLASSIFICATION

(Place an “X” in only one Project Classification)

- Surface Treatment
- Overlay
- Rehabilitation Existing Road (Scarify & Reshape)
- Convert Non-Freeway to Freeway
- Widen Freeway
- Widen Non-Freeway
- New Location Toll Freeway
- New Location Non-Freeway
- Interchange (New or Reconstruct)
- Bridge Widening or Rehabilitation
- Bridge Replacement
- Upgrade to Standards - Freeway
- Upgrade to Standards - Non-Freeway
- Drainage Improvements

ENGINEER shall mean L&G Engineering

COUNTY/OWNER shall mean Hidalgo County.

SECTION 2 – FEASIBILITY STUDIES

Services
 Provided By:
ENGINEER COUNTY

<u>YES</u>	<u>NO</u>	<p>Preliminary Design Values <i>The Engineer will work with the Owner to establish basic design concepts, project controls and general scope of Projects.</i></p>
<u>YES</u>	<u>NO</u>	<p>Preliminary Drainage & Route Locations on Uncontrolled Mapping <i>The Engineer will evaluate various alternatives (route locations, alignment shifts, geometry) for the Project.</i></p>
<u>YES</u>	<u>NO</u>	<p>Uncontrolled Mapping (w/Contours & GIS Info) <i>The Engineer will investigate the existing routes and coordinate with the Owner on establishing the best-fit alignments and mapping proposed geometry for Projects. Preliminary Location Exhibit will be developed.</i></p>
<u>NO</u>	<u>NO</u>	<p>Preliminary Traffic Evaluations & Trends <i>The Engineer will investigate existing traffic models and trends for the proposed Projects and adjacent roadways tying into the proposed Projects.</i></p>
<u>NO</u>	<u>NO</u>	<p>Preliminary Hydrologic Map <i>The Engineer will develop a Hydrologic Map for the Projects. Hydrologic Maps will be based on LIDAR and GIS information.</i></p>
<u>NO</u>	<u>NO</u>	<p>Preliminary ROW Requirements <i>The Engineer will research and identify affected property owners on the Projects utilizing the latest appraisal district file information from Hidalgo County Appraisal District and information from Carson Maps.</i></p>
<u>YES</u>	<u>NO</u>	<p>Preliminary Cost Estimates <i>The Engineer will calculate preliminary construction cost estimates for the location and geometry of the Projects.</i></p>
<u>NO</u>	<u>NO</u>	<p>Preliminary Environmental Analysis (for fatal flaws) <i>The Engineer will perform Preliminary Environmental Constraint Mapping to determine if any fatal flaws exist along the proposed alignment.</i></p>
<u>NO</u>	<u>NO</u>	<p>Project Fact Sheet with Est. Local Cost vs. Total Project Cost <i>The Engineer will produce a Project Fact Sheet providing summaries of all pertinent items in this scope of services (as required) and providing estimated local costs vs. total project costs for the Projects.</i></p>
<u>YES</u>	<u>NO</u>	<p>Meetings, Coordination & Support for Project Development <i>The Engineer shall provide coordination services and shall assist in meetings and workshops with Hidalgo County & Hidalgo County Drainage District No. 1, along with all other affected parties. The Engineer shall serve as representative for the Owner in coordination items. The Engineer shall coordinate with the Owner's staff on all Project related items.</i></p>

SECTION 3 - ROUTE AND DESIGN STUDIES

Services
Provided By:
ENGINEER COUNTY

- | | | |
|------------|-----------|--|
| <u>NO</u> | <u>NO</u> | 1. Drainage Route Location Studies |
| <u>NO</u> | <u>NO</u> | 2. Level of Service Analysis |
| <u>NO</u> | <u>NO</u> | 3. Traffic Evaluations/ Projections |
| <u>NO</u> | <u>NO</u> | 4. Develop Roadway Design Criteria |
| <u>YES</u> | <u>NO</u> | 5. Preliminary Cost Estimates |
| <u>NO</u> | <u>NO</u> | 6. Design Schematic |
| <u>NO</u> | <u>NO</u> | 7. Preliminary Right-of-Way Requirements |
| <u>YES</u> | <u>NO</u> | 8. Design Concept Conference |
| | | 9. Soil Core Hole Drilling |
| <u>NO</u> | <u>NO</u> | a. Pavement |
| <u>NO</u> | <u>NO</u> | b. Retaining Walls |
| <u>YES</u> | <u>NO</u> | c. Miscellaneous Structures |
| <u>NO</u> | <u>NO</u> | d. Bridges |

Services
Provided By:
SURVEYOR COUNTY

- | | | |
|------------|-----------|--|
| <u>NO</u> | <u>NO</u> | <p>2. Photogrammetric Products</p> <p>a. Uncontrolled Photography</p> <ul style="list-style-type: none">(1) Contact Prints(2) Mosaics(3) Digital ortho plots <p>b. Mapping</p> <ul style="list-style-type: none">(1) Planimetric Maps(2) Contour Maps(3) Cross Sections(4) Profiles(5) Digital Terrain Models (DTM) |
| <u>YES</u> | <u>NO</u> | <p>3. <u>UTILITY SUBSURFACE INVESTIGATION:</u>
<u>Utility Quality Levels</u> are in cumulative order (least to greatest) as follows</p> <p>3.1. Quality Level C - Existing Records: Utilities are plotted from review of available existing records that will be generated by the Engineer on the schematic and provided to the surveyor for his further creation of a Utility Map which will be turned in as a deliverable as part of this work order.</p> |
| <u>YES</u> | <u>NO</u> | <p>3.2. Quality Level B - Surface Visible Feature Survey: The Surveyor shall gather the field tied Utility Information and compare it to the existing records (if any) as provided by the Engineer and correlate with surveyed surface-visible features. The surveyor shall create a Utility Layout Map or plan layout 2D, showing the limits of the proposed project and limits of the work area required for this work authorization; including highway stations, limits within existing or proposed right of way. Correlate utility owner records with designating data and resolve discrepancies using professional judgment. A color-coded composite utility facility plan with utility owner names, quality levels, line sizes and subsurface utility locate (test hole) locations. The Layout Map will include all utilities that have been field tied – 2D Horizontal Utilities. This Layout will be provided to the Engineer and a meeting held with Engineer to identify which utilities will need to be tied down vertically. A note must be placed on the designate deliverable only that states "lines sizes are from best available records". All above ground appurtenance locations must be included in the deliverable to the Engineer. This information will be provided in the latest version of Micro Station or Geopak used by the State. The electronic file will be delivered on C.D. or USB. A hard copy is required and must be signed, sealed, and dated by the Surveyor. Note: Determine and inform the Engineer of the approximate utility depths at critical locations. This depth indication is understood by the Engineer to be approximate only and is not intended to be used for preparing the construction plans.</p> |
| <u>YES</u> | <u>NO</u> | <p>3.3. <u>Subsurface Utility Locate (Test Hole) Service (Quality Level A), THE SURVEYOR SHALL LOCATE APPROX. 25 VERTICAL SPOT ELEVATIONS OF UTILITIES PER MILE FOR EACH OF THE IDENTIFIED OUTFALL LOCATIONS.</u> Locate shall mean to obtain precise horizontal and vertical position, material type, condition, size and other data that may be obtainable about the utility facility and its surrounding environment through exposure by non-destructive excavation techniques that ensures the integrity of the utility facility. Subsurface Utility Locate (Test Hole) Services (Quality Level A) are inclusive of Quality Levels B and C. The Surveyor shall:</p> <p>3.3.1 Review the requested test hole locations that have been identified by the Engineer and Coordinate with utility owner inspectors as may be required by law or utility owner policy.</p> |

3. *Utility Subsurface (continued)*
 - 3.3.2 Measure and record the following data on an appropriately formatted test hole data sheet that has been sealed and dated by the Engineer:
 - Elevation of top and/or bottom of utility tied to the datum of the furnished plan.
 - Identify a minimum of two benchmarks utilized. Elevations shall be within an accuracy of 15mm (.591 inches) of utilized benchmarks.
 - Elevation of existing grade over utility at test hole location.
 - Horizontal location referenced to project coordinate datum.
 - Outside diameter of pipe or width of duct banks and configuration of non-encased multi-conduit systems.
 - Utility facility material(s).
 - Utility facility condition.
 - Coating/Wrapping information and condition.
 - Unusual circumstances or field conditions.
 - 3.3.3 Excavate test holes in such a manner as to prevent any damage to wrappings, coatings, cathodic protection or other protective coverings and features. Water excavation can only be utilized with written approval from the appropriate State District Office.
 - 3.3.4 Back fill all excavations with appropriate material, compact backfill by mechanical means, and restore pavement and surface material. The Engineer shall be responsible for the integrity of the backfill and surface restoration for a period of three years. Install a marker ribbon throughout the backfill.
 - 3.3.5 Provide complete restoration of work site and landscape to equal or better condition than before excavation.
 - 3.3.6 Plot utility location position information on the Utility Layout sheet and identify the vertical elevation and sealed by the responsible Surveyor. This information will be provided in the latest version of Micro Station or Geopak format used by the State. The electronic file will be delivered on C.D or DVD.

4. **DELIVERABLES:**

The deliverables to be specified in individual work authorizations for design surveys and construction surveys may be any combination of the following:

- | | |
|--|---|
| <p><u>YES</u> <u>NO</u>
 <u>NO</u> <u>NO</u></p> | <p>4.1. Digital Terrain Models (DTM) in a format acceptable by the ENGINEER.
 4.2. Final H&V Field Book Binder with all pertinent information obtained in the field for Design Surveys. Maps, plans, or sketches prepared by the SURVEYOR showing the results of field surveys.</p> |
| <p><u>YES</u> <u>NO</u>
 <u>YES</u> <u>NO</u>
 <u>YES</u> <u>NO</u></p> | <p>4.3. Computer printouts or other tabulations summarizing the results of field surveys.
 4.4. Digital files or media acceptable by the ENGINEER containing field survey data.
 4.5. Maps, plats, plans, sketches, or other documents acquired from utility companies, private corporations, or other public agencies, the contents of which are relevant to the survey.</p> |
| <p><u>YES</u> <u>NO</u>
 <u>NO</u> <u>NO</u></p> | <p>4.6. Field survey notes, as electronic and/or hard copies.
 4.7. A H&V Control Book identifying the basis of the Primary and Secondary Control and an 8 ½ inch by 11 inch survey control data sheet for each construction control point which shall include, but need not be limited to, a location sketch, a physical description of the point including a minimum of two reference ties, surface coordinates, a surface adjustment factor, elevation, and the horizontal and vertical datums used. Survey control data sheets shall be signed and sealed by the supervising Registered Professional Land Surveyor.</p> |

Services
Provided By:
SURVEYOR COUNTY

4. *Deliverables (continued)*

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|------------|-----------|--|
| <u>YES</u> | <u>NO</u> | 4.8. Final mylar set of 11 inch by 17 inch Survey Control data sheets sign and seal by the RPLS per TxDOT guidelines. |
| <u>YES</u> | <u>NO</u> | 4.9. A digital and/or hard copy of all computer printouts of horizontal and vertical conventional traverses, GPS analysis and results, data including property descriptions with field notes and plats, right-of-way maps, and survey control data sheets to include in the H&V Field Book Binder. |
| <u>YES</u> | <u>NO</u> | 4.10. Survey reports in a format requested by the ENGINEER. |
| <u>YES</u> | <u>NO</u> | 4.11. Items indicated under the Automation Requirements Section 6. |

5. **GENERAL REQUIREMENTS:**

- 5.1. Design surveys and construction surveys shall be performed under the supervision of a Registered Professional Land Surveyor currently registered with the Texas Board of Professional Land Surveying.
- 5.2. Horizontal ground control used for design surveys and construction surveys, furnished to the SURVEYOR by the ENGINEER or based on acceptable methods conducted by the SURVEYOR, shall meet the standards of accuracy required by the STATE.
- 5.3. Reference may be made to standards of accuracy for horizontal control traverses, as described in the FGCS Standards and Specifications for Geodetic Control Networks, latest edition, the TxDOT Survey Manual, latest edition, the TxDOT GPS Manual of Practice, latest edition, or the TSPS Manual of Practice for Land Surveying in the State of Texas, as may be applicable.
- 5.4. Vertical ground control used for design surveys and construction surveys, furnished to the SURVEYOR by the ENGINEER or based on acceptable methods conducted by the SURVEYOR, shall meet the standards of accuracy required by the ENGINEER.
- 5.5. Reference may be made to standards of accuracy for vertical control traverses, as described in the FGCS Standards and Specifications for Geodetic Control Networks, latest edition, the TxDOT Survey Manual, latest edition, the TxDOT GPS Manual of Practice, latest edition, or the TSPS Manual of Practice for Land Surveying in the State of Texas, as may be applicable.
- 5.6. Side shots or short traverse procedures used to determine horizontal and vertical locations shall meet the following criteria:
 - Side shots or short traverses shall begin and end on horizontal and vertical ground control as described above.
 - Standards, procedures, and equipment used shall be such that horizontal locations relative to the control may be reported within the following limits:
 - Bridges and other roadway structures: less than 0.1 of one foot.
 - Utilities and improvements: less than 0.2 of one foot.
 - Cross-sections and profiles: less than 1 foot.
 - Bore holes: less than 3 feet.
 - Standards, procedures, and equipment used shall be such that vertical locations relative to the control may be reported within the following limits:
 - Bridges and other roadway structures: less than 0.02 of one foot.
 - Utilities and improvements: less than 0.1 of one foot.
 - Cross-sections and profiles: less than 0.2 of one foot.
 - Bore holes: less than 0.5 of one foot.

6. AUTOMATION REQUIREMENTS:

- 6.1 Planimetric design files (DGN) shall be fully compatible with the State's *Micro Station V8* graphics program without further modification or conversion.
- 6.2 Electronically collected and processed field survey data files shall be fully compatible with the State's *CADD* systems without further modification or conversion. All files shall incorporate only those feature codes currently being used by the STATE.
- 6.3 Digital Terrain Models (DTM) shall be fully compatible with the STATE's GEOPAK system without further modification or conversion. All DTM files shall be fully edited and rectified to provide a complete digital terrain model with all necessary break lines.

ADDITIONAL RESPONSIBILITIES

A. TRAFFIC CONTROL:

The SURVEYOR shall control traffic in and near surveying operations adequately to comply with provisions of the latest edition of the TxDOT Manual on Uniform Traffic Control Devices – Part VI and the latest edition of the Occupational Safety Manual both of which can be found on the TxDOT internet site.

In the event field crew personnel must divert traffic or close traveled lanes, a Traffic Control Plan based upon principles outlined in the latest edition of the TxDOT Manual on Uniform Traffic Control Devices – Part VI shall be prepared by the SURVEYOR and approved by the ENGINEER prior to commencement of field work. A copy of the approved plan shall be in the possession of field crew personnel on the job site at all times and shall be made available to the ENGINEER for inspection upon request.

B. INVOICING:

Payment requests shall include a SURVEYOR's invoice. With each payment request, the SURVEYOR shall submit a project status report which will, as a minimum, include the percentage of total work complete as of the date of the payment request and a description of current work activity. The percentage of total work complete shall not be based simply on the percentage of funds expended, but shall be based on the best judgment of the SURVEYOR as to the percentage of actual work complete.

C. EASEMENTS, LETTERS OF PERMISSION, ETC.

The SURVEYOR shall be responsible for delineating easements. The SURVEYOR will be responsible for securing the necessary legal instruments and obtaining all Right-of-Entries (ROEs).

D. MEETINGS:

The ENGINEER shall setup the necessary meetings with the SURVEYOR in order to assure all field information is provided on-time and products are delivered in accordance with TxDOT's specifications. SURVEYOR must attend all meetings involving data provided if requested by ENGINEER.

E. PROJECT MANAGER/SURVEYOR COMMUNICATION:

The SURVEYOR shall designate one Texas Registered Professional Land Surveyor (RPLS) to be responsible throughout the project for project surveying coordination and all communications, including billing, with the ENGINEER.

F. OFFICE LOCATION:

The SURVEYOR will perform the services to be provided under this agreement out of a local office and have a crew available to perform requested tasks within 24 hours of request. The coordinating SURVEYOR's Project Manager (RPLS) shall be accessible at all times and working from the local office.

SECTION 7 - DESIGN CONTROLS

Services
 Provided By:
ENGINEER COUNTY

- | | | |
|------------|-----------|--|
| <u>YES</u> | <u>NO</u> | 1. Geometric Design |
| <u>YES</u> | <u>NO</u> | a. Horizontal and Vertical Alignment (for schematic only)
b. Schematic Layout for outfalls (ONLY) <ul style="list-style-type: none"> (1) Develop vertical and horizontal alignment of outfall. (2) The tentative ROW limits. <ul style="list-style-type: none"> (a) Provide a GEOPAK computer tape of the preliminary earthwork to verify ROW requirements. (b) Provide a graphics file containing the approved schematic. (3) The geometric of the proposed outfall typical sections and cross roads. (4) Provide preliminary ROW owners along the proposed outfall route utilizing the existing ROW map as provided by the HCRMA and appraisal district information. |
| <u>YES</u> | <u>NO</u> | 2. General Guidelines for Project Development |
| | | a. Prior to preparing detailed plans for a proposed project, a preliminary schematic layout shall be prepared which indicates the general geometric features and location requirements peculiar to the project. An uncontrolled aerial mosaic will be provided for this use. No geometric design is to be performed until the Owner has given the engineer written approval of the preliminary schematic layout.
b. All geometric design shall be in conformance with HCDD1.
c. The schematic layout shall include basic information which is necessary for the proper review and evaluation including the items listed above in the checklist for schematic layout.
d. The engineer shall furnish the existing and proposed cross section plots for each outfall at 500-ft intervals to justify the proposed ROW needed for each outfall. |
| <u>NO</u> | <u>NO</u> | 3. Exhibit for Airway/Highway Clearance Permits |
| <u>YES</u> | <u>NO</u> | 4. Grading Design |
| <u>YES</u> | <u>NO</u> | a. Refine the horizontal and vertical alignment of the proposed outfalls based upon the approved schematic layout. |
| <u>YES</u> | <u>NO</u> | b. Typical Sections |
| <u>YES</u> | <u>NO</u> | c. Design Cross Sections |
| <u>YES</u> | <u>NO</u> | d. Determine Cut and Fill Quantities |
| <u>NO</u> | <u>NO</u> | e. Slope Stability Analysis |
| <u>NO</u> | <u>NO</u> | f. Embankment Foundation Stability Analysis |
| <u>NO</u> | <u>NO</u> | g. Embankment Settlement Analysis |

ADDITIONAL RESONSIBILITIES

Coordination of Utilities – AS REQUIRED BY PROJECT SPECIFIC NEEDS

The ENGINEER shall furnish the OWNER prints of a project layout which will be distributed by ENGINEER to various utility companies to determine which utilities are in the limits of the project. These shall be preliminary layouts. Upon completion of the preliminary drainage plans and U&D sheets, the ENGINEER shall distribute to the various utility companies and request return. Upon return of these prints, the ENGINEER will schedule a meeting with the various utility companies to discuss potential conflicts and conformance with the State's Utility Accommodation Policy. The ENGINEER is responsible for coordination with the various utility companies for exposing potential conflicts and field ties to uncover utilities in potential conflict areas.

Meetings – AS REQUIRED BY PROJECT SPECIFIC NEEDS

Meetings will be held with the FHWA, State Officials, local governments, property owners, utility owners, railroad companies, other consulting firms, etc., as needed or required by the OWNER. The ENGINEER shall coordinate through the OWNER for the development of this project with any local entity having jurisdiction or interest in the project (i.e., city, county, etc).

Specifications, Special Provisions, Special Specs – AS REQUIRED BY PROJECT SPECIFIC NEEDS

Use the State's standard specifications or previously approved special provisions and/or special specifications. If a special provision and/or special specification is developed for this project, it shall be in the State's format and incorporate references to approved State test procedures.

Project Manager/Engineer Communication

The ENGINEER shall designate one Texas Registered Professional Engineer to be responsible throughout the project for project management and all communications, including billing, with the OWNER's Director. Any replacements to the ENGINEER's designated Project Manager/Engineer must be approved by the OWNER.

Engineering documents produced for the department's engineering projects shall be signed, sealed and dated or CADD sealed in accordance with Administrative Order No. 5-89 and Administrative Circular No. 26-91.

Design Responsibilities

The ENGINEER is responsible for design errors and/or omissions that become evident before, during or after construction of the project. The ENGINEER's responsibility for all questions arising from design errors and/or omissions will be determined by the OWNER and all decisions shall be final and binding. This would include, but not necessarily be limited to:

1. All design errors and/or omissions resulting in additional design work to correct the errors and/or omissions.
2. Preparation of design documents and detail drawings necessary for a field change due to design errors and/or omissions.
3. Revision of original tracings to the extent required for a field change due to design errors and/or omissions.

The ENGINEER shall promptly make necessary revisions or corrections resulting from the ENGINEER's errors, omissions or negligent acts without additional compensation. Acceptance of the work by the LPA will not relieve the ENGINEER of the responsibility for subsequent correction of any such errors or omissions or for clarification of any ambiguities.

Document and Information Exchange

Data, Plan Sheets, General Notes and/or Specifications provided to the OWNER shall be furnished on USB flash drives (or other electronic medium).

General Notes and specifications shall be provided in MS Office 2007 format. Plan sheets shall be provided in Microstation DGN or GEOPAK GPK format. PDF copies of plan sheets shall also be provided.

Two copies of the documentation shall be provided to the OWNER.

If required, the ENGINEER shall provide to the OWNER, a CD that contains all the plan sheets for the project. The graphics tape shall be compatible with the OWNER's computer system.

CD Tape Required (YES or NO): NO

Proposal Time

The time indicated in the proposal and the contract shall include time necessary for reviews, approval, etc.

Office Location

The ENGINEER will perform the services to be provided under this agreement out of their office or offices listed below:

<u>Service</u>	<u>Office Location</u>
PS&E	Mission Office
Schematic	Mission Office

The work effort will be managed out of the Mercedes
 office located at 2100 West Expressway 83
 (Address)
Mercedes, Texas
 (City) (State)

APPENDIX A - PLAN SHEET SEQUENCE PROCEDURE (TYPICAL)

1. Title Sheet
Detailed Index of Sheets
2. Typical Sections
3. General Notes and Specifications Data
4. Estimate and Quantity Sheets
5. Storm Water Pollution Prevention Plan (SW3P) Sheets
6. Traffic Control Plans – If Required
 - a. Sequence of Construction Layouts
 - b. Detour Plan /Profile / Typical Sections / Quantities
7. Outfall Layouts
 - a. Outfall Plan/Profile Sheets
 - b. Alignment Layouts/Data
8. Outfall Details
9. Utility Layouts/Profiles – If Required
10. Miscellaneous Standards

NOTE: This list is general and typical for project type. Variations of these plan sheet sequence guidelines may be permitted as required.



ATTACHMENT B

FEE PROPOSAL



ATTACHMENT C

APPROVED WORK/PROJECT SCHEDULE

TASK AND DESCRIPTION	FIRM	2022			2023				
		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY
Survey, Schematic & PS&E Development									
Design Survey & Topo	L&G & B2Z								
30% PS&E Completion	L&G & B2Z								
60% ~ 90% PS&E Completion	L&G & B2Z								
100% Plans	L&G & B2Z								
HCDD1 & HC Pct #4 Plan Set Approval	HC Pct #4/HCDD#1								
Let Project	Hidalgo County Pct #4								