

WORK AUTHORIZATION

WORK AUTHORIZATION NO. 3

PROJECT: Southwest Williamson County Regional Park, Train Station Wastewater Improvements

This Work Authorization is made pursuant to the terms and conditions of the Williamson County Contract for Surveying Services, being dated February 18, 2015 and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and Walker Texas Surveyors, Inc. (the "Surveyor").

Part 1. The Surveyor will provide the following Surveying Services set forth in Attachment "B" of this Work Authorization.

Part 2. The maximum amount payable for services under this Work Authorization without modification is \$11,230.00.

Part 3. Payment to the Surveyor for the services established under this Work Authorization shall be made in accordance with the Contract.

Part 4. This Work Authorization shall become effective on the date of final acceptance and full execution of the parties hereto and shall terminate on September 30, 2016. The Surveying Services set forth in Attachment "B" of this Work Authorization shall be fully completed on or before said date unless extended by a Supplemental Work Authorization.

Part 5. This Work Authorization does not waive the parties' responsibilities and obligations provided under the Contract.

Part 6. County believes it has sufficient funds currently available and authorized for expenditure to finance the costs of this Work Authorization. Surveyor understands and agrees that County's payment of amounts under this Work Authorization is contingent on the County receiving appropriations or other expenditure authority sufficient to allow the County, in the exercise of reasonable administrative discretion, to continue to make payments under this Contract. It is further understood and agreed by Surveyor that County shall have the right to terminate this Contract at the end of any County fiscal year if the governing body of County does not appropriate sufficient funds as determined by County's budget for the fiscal year in question. County may effect such termination by giving written notice of termination to Surveyor.

Part 7. This Work Authorization is hereby accepted and acknowledged below.

EXECUTED this ____ day of _____, 20 ____.

SURVEYOR:

Walker Texas Surveyors, Inc.

COUNTY:

Williamson County, Texas

By:

Karen J. Walker

Signature

Karen J. Walker

Printed Name

President

Title

By:

Signature

Printed Name

Title

LIST OF ATTACHMENTS

Attachment A - Services to be Provided by County

Attachment B - Services to be Provided by Surveyor

Attachment C - Work Schedule

Attachment D - Fee Schedule

Attachment A
Services to be Provided by County

1. Provide the specification requirements for all surveys
2. Provide timely reviews and decisions necessary to enable the Surveyor to maintain an agreed upon project schedule as developed in attached Attachment C.
3. Designate a project manager to serve as the Counties point of contact with the Surveyor.
4. Provide Aluminum caps for Iron Rods, if applicable.
5. Provide Brass Disc's for flush mount ROW markers, if applicable.

Attachment B
Services to be Provided by Surveyor

DETAILED LIMITS OF PROJECT

- Provide Design Topographic Survey for wastewater improvements within a portion of the Southwest Williamson County Regional Park, Williamson County, Texas being in the general area of the park train and maintenance shop. (shown on attached map) located within Williamson County, Texas.

HORIZONTAL and VERTICAL CONTROL

- The Surveyor will establish up to 2 pairs of Control Monuments to be used and published as Primary Horizontal and Vertical Project Control. These points will be rectified to Texas State Plane, Central Zone Coordinate System (NAD 83) for Horizontal and Vertical will be rectified to NAVD 88 adjustment for this project unless otherwise requested.
- Four (4) Primary Control Monuments will be established and published on deliverable.

TOPOGRAPHIC FIELD SURVEY

- The Surveyor will densify the previously established Primary Control, as needed to complete this scope of services, by utilizing Network GPS, Robotic and /or Conventional traversing methods.
- Design Topographic Survey will be performed in accordance with provided checked items shown on attached "Survey Checklist" prepared by Waeltz & Prete, Inc.
- Phase 1 is outlined on attached map in Red and identified as: Pavilion, Restroom, Karst Opening (100' Diameter), approx. 4 Clean Out Inverts, and 2 wastewater manhole. The Surveyor will deliver data to the engineer and coordinate Phase 2.
- Phase 2 is Design Topo of expected route shown on attached map in Green and identified as Approx. Route. Route may be modified and the Surveyor has estimated effort based on said map. Deviation from shown proposed location will affect expected schedule and cost estimate. The Surveyor has included this preliminary route but, may need to be adjusted if modified substantially.
- The Surveyor will quality check the project using the final 2D and 3D maps to insure accuracy and completeness.

PRODUCTION OF SURVEY DELIVERABLES

- The Surveyor will prepare all digital deliverables in AutoCAD file format including TIN (surface). Copies of Survey field notes and supporting electronic data will be archived and made available upon request.

- The Surveyor will deliver the specified files stated above after the completion of this project.
- The Surveyor will deliver 2 copies of signed and sealed sketch exhibits to the County and their agents upon completion.

Attachment C
Work Schedule

Work schedules will be developed prior to Notice-to-Proceed (NTP) and submitted to the County in the form of a Memorandum of Understanding. Should the schedule be acceptable, a written NTP will be delivered to the Surveyor.

Anticipated NTP: XXXXXXXXX To Be Determined (TBD)

Anticipated Field Stat: Immediately upon written NTP.

Anticipated Delivery of Phase 1 on or Before: 3 to 4 weeks after NTP or per needs of project as coordinated by the Surveyor

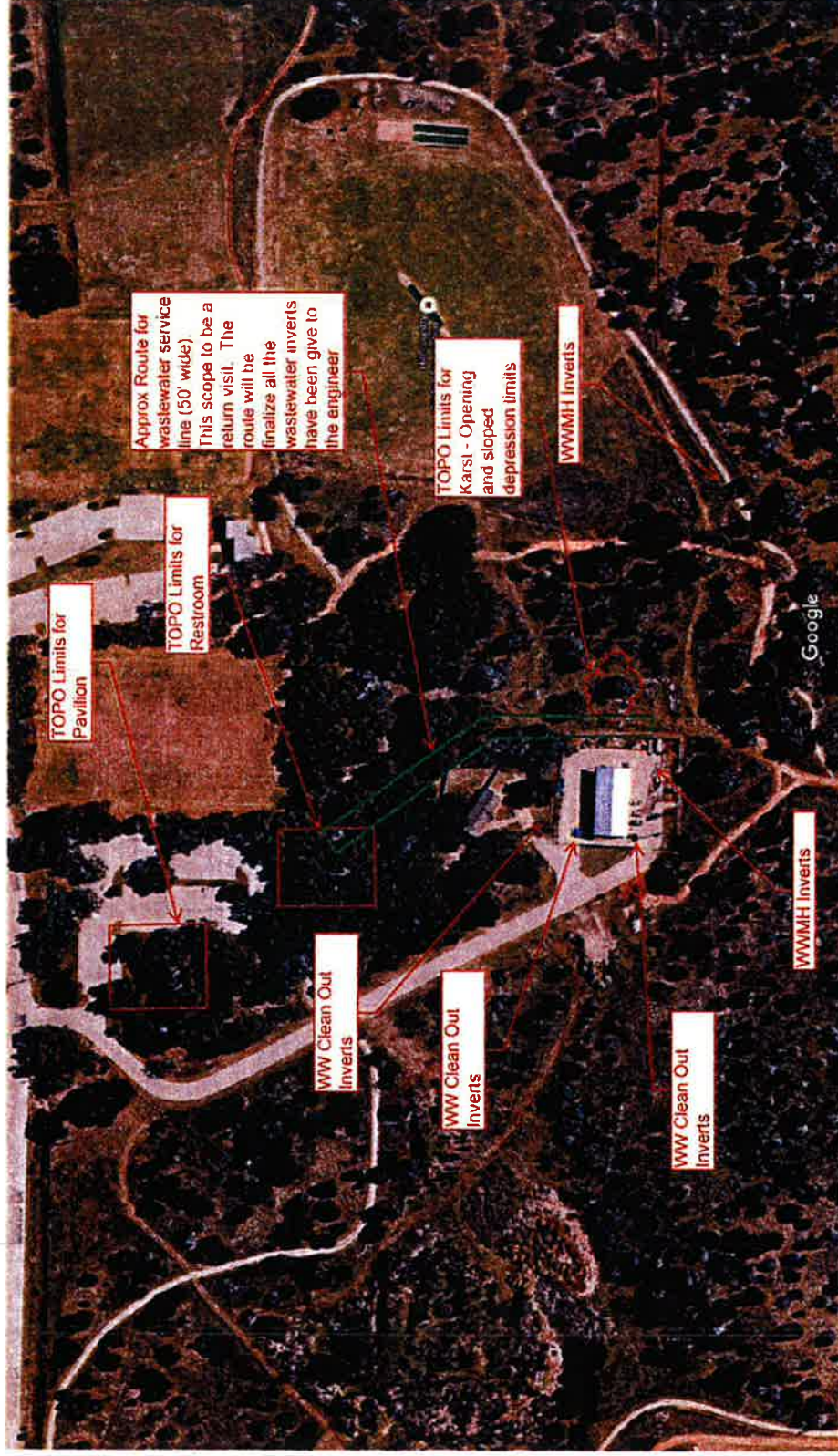
Anticipated Delivery of Phase 2: 2 to 3 Weeks after written NTP

Walker Texas Surveyors, Inc.
P. O. Box 324
Cedar Park, TX 78630
512/259-3361

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O:\Walker\Texas Surveyors\Proposals\Williamson County\Parks Projects\Train Station WW Topo\Exhibit D

Google Maps



Imagery ©2016 Google, Map data ©2016 Google, 100 ft

Google Maps

Survey Checklist
(Minimum Requirements)

Project Name: Wilco SW Regional Park



WAEELTZ & PRETE, INC.
CIVIL ENGINEERS

3000 JOE DIMAGGIO BLVD. #72
ROUND ROCK, TX 78665
PH (512) 305-9953
FIRM REG. #F-10308

Horizontal & Vertical Control Requirements:

- | | |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | Horizontal Datum shall be to: <u>Texas State Plane Surface Coordinates</u> |
| <input checked="" type="checkbox"/> | Vertical Datum shall be to: <u>NAVD 88</u> |
| <input checked="" type="checkbox"/> | A minimum of two (2) vertical benchmarks are required per survey: set a minimum of one benchmark immediately adjacent to the site, and one within 300 feet of all parts of the site. |
| <input checked="" type="checkbox"/> | A minimum of two (2) Horizontal control points are required per survey: set a minimum of one control point immediately adjacent to the site, and one within 300 feet of all parts of the site. |

Topographic Survey Requirements:

- | | |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | Contour lines at one-foot intervals. |
| <input checked="" type="checkbox"/> | Elevations on all physical improvements to the hundreds. |

Planimetrics:

- | | |
|--------------------------|---|
| <input type="checkbox"/> | Boundary Line of the property. |
| <input type="checkbox"/> | Topo to centerline of all perimeter streets. Annotate width of pavement. |
| <input type="checkbox"/> | Locate all driveways on public streets adjacent to and within 200 feet of the site. |
| <input type="checkbox"/> | All physical improvements of any type to the centerline of the roadways. |
| <input type="checkbox"/> | Survey tie to adjacent properties and across adjacent ROW. |
| <input type="checkbox"/> | Show TxDOT stationing on the extreme corners for tracts fronting a TxDOT - maintained R.O.W. |
| <input type="checkbox"/> | Finish floor shots at all doors with note on type of floor covering and approximate depth to concrete slab. |
| <input type="checkbox"/> | All easements, building lines, etc. with references, as shown on subdivision plat. |

Utilities:

- | | |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | Locations, dimensions, top of rim & flow lines for all drainage structures, pipes, manholes, headwall, culverts, drop structures and inlets within 50 feet of the site or that are evidently affecting or contributing drainage to and from the site. |
| <input checked="" type="checkbox"/> | When shooting drainage pipes/ structures always include the following: headwalls, flow lines, pipe dimensions and ground shots of area immediately surrounding both upstream and downstream ends. Box culvert widths should be measured perpendicular to the culvert barrel - not necessarily across the width of the culvert opening. |
| <input checked="" type="checkbox"/> | All evidence of on-site utilities including overhead routes and any evidence of underground utilities (including markers). |
| <input type="checkbox"/> | All fire hydrants within 300 feet of the limits of the site. |
| <input checked="" type="checkbox"/> | Top of rim, flow lines, and inlet/outlet line sizes for wastewater manholes. |

Landscaping/Tree Survey:

<input checked="" type="checkbox"/>	All trees, as required by city ordinance.
<input type="checkbox"/>	Landscaping beds.
<input checked="" type="checkbox"/>	Irrigation systems - Including visible heads, valves, & controller.
<input type="checkbox"/>	Small trees & shrubs with diameter at natural ground of 1½" & larger.

Deliverable:

<input checked="" type="checkbox"/>	AutoCAD Drawing File - .dwg (Version 2007 or newer).
<input checked="" type="checkbox"/>	Complete edited surface in .xml format.
<input checked="" type="checkbox"/>	Legend - Tree List with corresponding Tree tag Numbers.
<input checked="" type="checkbox"/>	Legend - include all symbols shown in survey CAD file.
<input checked="" type="checkbox"/>	Trees to be drawn to scale delineating drip lines, as required by city ordinance.
<input type="checkbox"/>	Existing Parking space count.
<input checked="" type="checkbox"/>	North Arrow & Scale.
<input checked="" type="checkbox"/>	All surveys to be on State Plane surface coordinates, include drawing scale factor (Surface to Grid), if applicable.
<input type="checkbox"/>	Two Paper Copies of the final survey drawing (24"x36" minimum).

Special Conditions:

1. Survey limits are shown on the attached exhibit.

Attachment D

Fee Schedule

HOURLY RATES – Walker Texas Surveyors

Classification	Rates
RPLS	\$130.00 per hour
Project Manager	\$145.00 per hour
Survey Technician	\$85.00 per hour
GPS Data Processing	\$85.00 per hour
CAD Draftsman	\$75.00 per hour
Research	\$60.00 per hour
Administrative	\$60.00 per hour
Expert Witness/Testimony/Deposition Services	\$1,000.00 per day
One (1) Person Field Crew with Robotic	\$120.00 per hour
Two (2) Person Field Crew Conventional or GPS	\$150.00 per hour
Additional Crewmember	\$35.00 per hour
GPS Receiver (unmanned)	\$30.00 per hour
Extra Vehicle, Flat Bottom Boat, 4 Wheeler	\$100.00 per day
 Direct Expenses	
Transportation:	
By Firm's Passenger Vehicles (Note 1)	IRS Rate
By Firm's Survey Trucks (Notes 1, 2, 3, & 4)	
Subsistence of out-of-city work	\$150.00 min. per day per person based on cost
Reproduction and Printing by Firm, Survey Stakes, Lathes, Iron Rods and other Direct Expenses	Cost

Notes:

1. A mileage charge will be billed for projects exceeding a 50-mile radius of the base office only.
2. Field Party rates include conventional equipment, supplies and survey vehicles. Abnormal use of stakes, lathes, etc., used such as during the construction phase of a project will be charged as indicated.
3. A minimum of two hours field party time charge will be made for show-up time and return to office, resulting from inclement weather conditions, etc.
4. Field Crew stand-by time will be charged for at the above-shown appropriate rates.