



February 19, 2024

Ms. Michelle Heslin
Village of Orland Park
15655 Ravinia Avenue
Orland Park, Illinois 60462

RE: Change Order No. 2 – Orland Hills East | Elm Street Extension

Dear Ms. Heslin:

On behalf of V3 Companies, Ltd. (V3), we are pleased to submit this change order for additional services for the above-referenced project. If you find this proposal to be acceptable, the executed copies of this letter will constitute acceptance of this change order agreement between the Village of Orland Park (VILLAGE) and V3.

This change order increases the project scope and budget to complete additional topographic survey, drainage/roadway design, and engineering plan preparation for extension of Elm Street approximately 230 linear feet from the dead-end south of 138th Street east to 91st Avenue/139th Street. A summary of the scope of services and engineering fee is attached.

Sincerely,

V3 COMPANIES, LTD.

Derrick Martin, P.E.
Natural Resources Group Manager

DEV/

Accepted For:

VILLAGE OF ORLAND PARK

BY: _____

TITLE: _____

DATE: _____

Scope of Work

Topographic Survey

V3 will perform topographic survey of the project area including right of way shown in Figure 1. The survey will include:

- Horizontal and vertical control.
- Existing right-of-way: Establish the approximate existing right-of-way boundary of the corridor within the project limits based on monumentation found in the field, subdivision plats, and any other available information.
- Utility Survey and Coordination: All existing storm sewers (if any) will be surveyed to determine rim and invert elevations and pipe sizes. Above ground facilities of any additional underground utilities including water main, gas, electric, cable, etc. will also be located. This task will be performed using atlas data, visual inspection, or similar and does not include subsurface locating of utilities by V3.
- Base Mapping: Compile all the above information into base mapping that is representative of existing conditions.
- If required, record benchmarks referenced to North American Vertical Datum of 1988 (NAVD88). Description of location and elevation of benchmark will be indicated on the survey.
- A contour survey with 1'-0" contour intervals will be prepared from field spot elevations. Spot elevations obtained in the field will be of sufficient quality to generate a contour survey, which properly represents the ground surface. Additional elevations will be indicated on the survey as required to establish accurate profiles (including all changes or breaks in grade) and cross-sections of walks, curbs, gutter, pavement edges, and centerlines.



Figure 1 – Survey Limits

Pre-Final/Final Engineering

V3 will prepare preliminary engineering plans in accordance with Village and IDOT design criteria:

- Proposed ditches shall maintain a minimum 1% longitudinal slope and 3:1 side slopes or be replaced with storm sewer pipe conveyance.
- Roadway pavement sections will be reconstructed to Village standards.

Preliminary plans, specifications, and opinion of probable cost will be submitted to the Village for review. After completion of preliminary engineering, V3 will meet with Village staff to review their comments on the preliminary submittal. V3 will update the engineering plans and finalize the contract documents and cost estimate.

Utility Coordination

Utility locations will be added to the pre-final engineering plans and any conflicts will be identified. The design will be adjusted as necessary to minimize the potential for conflicts. V3 will also coordinate with the utility companies during the final engineering phase to confirm conflicts (or lack thereof) and any relocation needs.

Wetland Services

V3 reviewed the regulatory maps for the project area including the National Wetland Inventory (NWI) map, Hydrologic Atlas, Soil Survey of Cook County map and Flood Zones map, which identify mapped wetlands to the west of existing Elm Street. Mapped hydric soils are also present within the proposed right of way extension. Based on this information and the requirements of the Cook County Watershed Development Ordinance, V3 recommends a full wetland delineation and assessment. Dependent on the findings from the delineation field work, other “if Required” tasks may be required as outlined in this scope.

The ultimate decision on wetland boundaries rests with the federal government (USACE) and/or Cook County MWRD. As a result, there may be adjustments to boundaries based upon review by a regulatory agency. An agency determination can vary from time to time depending on many factors, including but not limited to, the experience of the agency representative making the determination and the time of year. In addition, the physical characteristics of the site can change with time, depending on the weather, vegetation patterns, drainage, activities on adjacent parcels, or other events.

1. **WETLAND/WATERS DELINEATION (BILL CODE W21).** V3’s Wetland Specialists, including a soil scientist and a botanist from our Natural Resources Division, will conduct a field investigation during the 2024 Cook County growing season (May – October 2024) to locate and delineate wetlands in accordance with the *Regional Supplement to the Corps of Engineers Wetlands Delineation Manual: Midwest Region*. The limits of delineated wetlands/Waters of the U.S. will be staked in the field, and approximate boundaries will be mapped on a recent large-scale aerial photograph, based on our field assessment of the vegetation, soils and hydrology at the site. The limits of any on-site wetland/Waters of the U.S. will be survey located during the field investigation portion of the wetland delineation. Scope and fee to conduct the professional survey location of the wetland/Waters of the U.S. flags is included in this proposal.
2. **WETLAND ASSESSMENT (BILL CODE W21).** Since wetlands/Waters of the U.S. may be present within the project area or within 100 feet of the project corridor, a wetland assessment is required by the U.S. Army Corps of Engineers, Chicago District (USACE), and Cook County Metropolitan Water Reclamation District (MWRD). Wetland assessment involves an evaluation of wetland characteristics, including wildlife habitat quality, water quality functions, and plant community quality. Wetland Assessment also includes a preliminary jurisdictional determination for isolated or adjacent wetland¹. Delineated wetlands will be rated as High-Quality Aquatic Resources (HQAR) in accordance with the USACE and MWRD, if applicable.
3. **WETLAND DELINEATION TECHNICAL REPORT (BILL CODE W21).** A wetland report will be provided with the results of our field investigation, including the location and size of wetlands/Waters of the U.S. present, a wetland quality evaluation, a floristic quality assessment, and the wetland assessment, if applicable. Floristic inventories and detailed soil classification data for each area investigated will be provided in the report. Areas determined to be wetland within the project corridor or within 100 feet of the project corridor will be shown on a recent, large-scale aerial photo

¹ December 2, 2008, USEPA and Department of the Army Joint Memorandum, Clean Water Act Jurisdiction Following the U. S. Supreme Court Decision in *Rapanos v. United States* and *Carabell v. United States*.

exhibit. USACE and MWRD wetland permitting and/or mitigation requirements will be addressed in the report. The wetland report also will contain detailed technical documentation suitable for review and approval by the USACE and MWRD.

4. **THREATENED & ENDANGERED SPECIES CONSULTATION (BILL CODE W21A).** If required, V3 will prepare and submit the IDNR EcoCAT as it relates to State Threatened & Endangered Species. V3 will also prepare the required U.S. Fish & Wildlife Service (USFWS) Section 7 consultation as it relates to Federal Threatened 7 Endangered species using the IPAC system.
5. **SURVEY LOCATE OF WETLAND FLAGS (BILL CODE W21B).** If required, V3 will locate any wetland flags placed within the investigation limits with survey grade equipment and accuracy. This data can be directly shared to the CLIENT for incorporation into engineering plans. The alternative, if this task is not approved by the CLIENT, is to have the project surveyor from the CLIENT team mobilize to the site and locate any placed wetland flags.
6. **USACE JURISDICTIONAL DETERMINATION (BILL CODE W21C).** Based on the field data collection, if wetlands are identified within the project area or within 100 feet, as required by MWRD Water Management Ordinance (WMO), V3 will prepare and submit the required documentation to the USACE Chicago District in order to obtain a jurisdictional determination for any wetland/Waters areas identified on the site. This is also required if we are requesting any areas on the site to be exempt from USACE jurisdiction.
7. **MWRD ISOLATED WETLAND BOUNDARY FIELD VERIFICATION (IF REQUIRED) (BILL CODE W21D).** Dependent upon the results of the wetland delineation field work, if the Jurisdictional Determination results in an isolated wetland of Cook County not under the jurisdiction of the USACE, an isolated wetland boundary verification by MWRD is also required per the MWRD Water Management Ordinance (WMO). The isolated wetland boundary verification will require a fee payable to MWRD which is the responsibility of the CLIENT and is not included in the fee of this proposal.
8. **MEETINGS, PROJECT COORDINATION, AND/OR PROJECT PERMIT SCOPING (BILL CODE W30).** If required, V3 will schedule and attend meetings with the CLIENT, USACE, and MWRD to discuss any proposed wetland/Waters of the U.S. and buffer concerns related to the proposed project. Wetland/Waters of the U.S. and buffer mitigation scenarios will also be discussed at this meeting. This task includes project meetings and minimal project coordination not requiring a separate agreement. This task may include some work outside the scope of this proposal. The extent of the additional work may be dictated by a regulatory agency review or by requests for additional information from the CLIENT, project engineer, and/or project contractors. Because the scope of the response needed cannot be determined in advance, this service is provided on an hourly-fee basis. If the additional service requested appears to be substantial, it may be provided as the subject of a separate agreement. Work completed under this task is not included in other fees and is billed on an hourly basis.

Compensation

For the services described above, V3 shall be paid the fees listed in the table below.

TASK	FEE (HOURLY)
<i>Topographic Survey</i>	\$2,500
<i>Pre-Final/Final Engineering</i>	\$10,000
<i>Utility Coordination</i>	\$1,500
WETLAND SERVICES	
<i>Wetland Delineation, Assessment & Report</i>	\$4,500
<i>Meetings, Project Coordination, and/or Permit Scoping</i>	\$2,000
<i>Threatened & Endangered Species Consultation (if required)</i>	\$1,000
<i>Survey Location of Wetland Delineation Flags (if required)</i>	\$1,000
<i>U.S. Army Corps of Engineers Jurisdictional Determination (if required)</i>	\$2,800
<i>MWRD Isolated Wetland Boundary Verification (if required)</i>	\$2,000
TOTAL	\$27,300

Completion Schedule

The services described in this change order will be completed by August 1, 2024.

Any permitting determined to be required after the wetland delineation task is performed will be the subject of a separate change order and completion schedule.

EXTENT OF AGREEMENT

The following services are excluded from the current scope of services but can be provided at an additional cost under a separate agreement. These services may be necessary if development, stormwater, or wetland permits are required for the site.

1. V3 may be required to produce documents and emails as part of the Freedom of Information Act and Open Meetings Act (Illinois Public Act 96-0542), or from a court ordered subpoena. Requests of this nature are beyond the control of V3 and are specifically not included in this contract. V3 will notify the CLIENT of any request received on behalf of this contract and will invoice the CLIENT for time and materials in accordance with the Additional Services and Reimbursables sections of this contract.
2. Cook County MWRD Stormwater Management Permitting of any kind.
3. U.S. Army Corps of Engineers permitting of any kind.
4. MWRD or Village of Orland Park wetland or stormwater permitting of any kind.
5. Floodplain/Floodway permitting of any kind.
6. Archaeological investigations of any kind.
7. IDNR Incidental Take Permitting of any kind.
8. Species specific habitat or species surveys of any kind.
9. Traditional Landscaping design services of any kind.
10. Geotech services of any kind.
11. Indirect wetland impact analysis of any kind.
12. SWCD consultation of any kind.
13. Environmental (Phase I, II, or III) services of any kind.
14. Management, maintenance, or monitoring of installed native vegetation.
15. BMP design of any kind.
16. Wetland mitigation design of any kind.
17. Wetland mitigation credits purchase of any kind.
18. Phase II or III ESA.
19. Remediation permitting or design of any kind.
20. Traffic studies of any kind.
21. Tree survey/tree identification and assessment services of any kind.

Please note that V3 can provide the services outlined above should they be required.