



SURVEY REQUEST

Project Name: E 74th Ave/E 75th Ave/Nancy St Area Reconstruction Project No. 21-02

Project Purpose: Road Reconstruction and Storm Drain Improvements

Design Engineer: Ryan Kim Requested by: PM&E

Grids: SW2132 & SW2133 Phone: 343-8159

Date: 7-15-2021

HORIZONTAL AND VERTICAL LOCATIONS WITHIN THE FOLLOWING PROJECT LIMITS:

Limits

- Property Line
- 20 Feet Beyond Property Line Each Side
- 50 Feet Beyond Property Line Each Side
- Sketch Attached

Cross Sections

- 50-Foot Stations
- 100-Foot Stations
- _____-Foot Stations
- 50-Foot Stations Plus Grade Breaks
- 100-Foot Stations Plus Grade Breaks
- 25-Foot Stations @ S.I.s for 100' in all Directions for Centerline and Lip of Curb

Structures

- Nearest Corners Fronting Project
- All Corners
- Front Door Sill Plate Elevation

Trees and Shrubs

- Tree Type and Diameter at Breast Height
- Locate all within Right-of-Way
- Locate all Trees over _____ Inches in Diameter within _____ Feet of Survey Baseline
- Locate all within _____ Feet of Survey Baseline

Other Topographic Features

- Retaining Walls, Type of Material
- Elevation at Top and Bottom of Retaining Wall
- Sidewalks: Width, Type of Material, and Elevation at Edge
- Guardrail Face
- Playground Equipment/Headers
- Decks/Boardwalks
- Site Furnishings: benches, trash receptacles, bollards, and permanent picnic tables

Trails

- Centerline
- Edge of Pavement/Gravel
- _____ Feet Either Side of Centerline

Streets

- Centerline
- Edge of Pavement
- _____ Feet Either Side of Centerline

Curbs

- Lip
- Flow Line
- Top Back
- Returns/Angle Points
- 20' Max. Spacing for Data Collection on Curves with 40' Radius or Greater as well as at PC, PT, and Midpoints

Driveways

- Profile Both Sides
- Centerline Profile
- Type of Material
- Location at Building
- At Property Line
- At Top Back of Curb

- Fences: Height and Type
- Guy Anchors
- Portable Sheds
- Flower Beds/Vegetable Gardens
- Signs and Sign Posts, Include Signs on Luminaires
- Mailboxes
- Overhead Flashing Signs
- Picnic Shelters
- Shoreline

Underground Utilities

- Obtain all and Display all Field Locations; Contact Locate Center for Field Locates including, but not Limited to Electric, Telephone, Cable TV, Fiber Optic, Gas, etc.
- Budget Resources/Time to Revisit Site, to Obtain All Utility Field Locates.
- Obtain and Display Record, Construction and As-built Data
- Traffic Loop Detectors & Interconnect Lines
- Petro/Oil/Lube (POL) Lines

Sanitary Sewer Manholes

- Top North Rim
- Pipe Sizes, Types, Inverts
- Cleanouts
- Sketch Detail

Storm Sewer Manholes

- Top North Rim
- Pipe Sizes, Types, Inverts
- Sketch Detail
- Culverts: Diameter, Type, Inverts
- Oil and Grit Separator

Above-Ground Utilities

- Power Poles
- Height Overhead Powerline
- Main Line Water Valves (Operating Nut Elev)
- Lot Water Service Valves
- Center of Fire Hydrants
- Center of Luminaire Poles
- Center of Traffic Signal Poles
- Electrical Junction Boxes (All Corners)
- Center of Telephone and Electric Pedestals
- Elevation of Transformer Pads (All Corners)

Catch Basins

- Top at Back of Curb
- Flow Line Casting
- Invert
- Pipe Size and Type
- Sketch Detail
- Top of Field Inlet
- Type of Frame and Grate

Other Manhole and Vaults

- Size, Layout, and Type
- Lid Dimensions
- Sketch Detail

DATA FORMAT:

- Conventional Field Book Format Per Design Criteria Manual Including Control Sketch, Found Monumentation, Vertical Control, and All Numbers Reduced.
- Data Collector/AutoDesk (Rel. 2000) Ready Format

PROVIDE THE FOLLOWING:

- Copy of Field Book Notes
- Computer Printout by Station and Offset, Printout by Point Numbers, Printout by Description and Printout by Elevations.
- Computer Printout by Point Number with X, Y, Z Coordinates and Description
- Computer Printout by Like Items, Include STA, Offset and Elevation
- ASCII File, Excel, or Word File of all Point Information Including, Station, Offset, Points Numbers, Description, Elevations, and Coordinate
- All Associated AUTODESK (Rel. 2000) Files and a Hardcopy of the Flowchart Showing the Locations of the Files
- 3.5" Computer Disk
- Compact Disk (Single Session PC Format)

22" X 34" PAPER PLAN AND PROFILE BASE MAPS MEETING MOA DESIGN CRITERIA MANUAL STANDARDS WITH THE FOLLOWING INFORMATION:

Plan View

- Horizontal Scale 1" = 20 Feet
- Subdivision Names
- Lot and Block Numbers
- Property Lines
- Street Centerlines and Stationing
- Crown of Roadway
- Street Names
- Grid Number(s)
- Easements of Record
- Contours at 1-Foot Intervals
- Topographic Features
- Faultlines (3D Polylines) along Centerlines, Lip of Curbs, Top Back of Curbs, Sidewalks, Driveways, Edge of Paving and Structures. Place on Layer 'Srf-flt'

Profile View

- | | |
|---|--|
| <input checked="" type="checkbox"/> Vertical Scale 1" = 5 Feet | <input type="checkbox"/> Stationing of Intersections, PCs, Angle Points |
| <input checked="" type="checkbox"/> Centerline R.O.W./Baseline Profile | <input checked="" type="checkbox"/> Utility Locations |
| <input type="checkbox"/> Left/Right Property Line Profile | <input checked="" type="checkbox"/> Manhole Inverts and Pipe Information drawn for Water (with valves), Sewer, Storm and Gas and all Underground Utility Crossings |
| <input type="checkbox"/> Profile ___ Feet Left and Right of Baseline (Spatially Correct, non-rotated) | |

Horizontal Control Sheet with the Following Information

- | | |
|--|---|
| <input checked="" type="checkbox"/> Subdivision Names | <input checked="" type="checkbox"/> Measured Bearings Along Survey Line |
| <input checked="" type="checkbox"/> Lot and Block Numbers | <input checked="" type="checkbox"/> Measured Distances Between Survey Lines |
| <input checked="" type="checkbox"/> Property Lines | <input checked="" type="checkbox"/> Do Not Duplicate Stationing |
| <input checked="" type="checkbox"/> Centerline R.O.W./Baseline with Stationing | <input checked="" type="checkbox"/> Stamped by Surveyor Licensed in Alaska |
| <input checked="" type="checkbox"/> Found Monumentation with Description | <input checked="" type="checkbox"/> Budget Time to Review Revised Survey Control In Bid Documents |
| <input checked="" type="checkbox"/> Set Monumentation with Description | <input checked="" type="checkbox"/> Basis of Stationing |
| <input checked="" type="checkbox"/> Basis of Bearings | <input checked="" type="checkbox"/> Grid Number(s) |
| <input checked="" type="checkbox"/> Easements of Record | |

Special Instructions:

In addition to the requested survey information, please provide survey information of all the driveways up to the front of the building.

Requested date for delivery of completed data: 9-30-2021



7-15-2021

Signature

Date

Complete data delivered to MOA: _____

