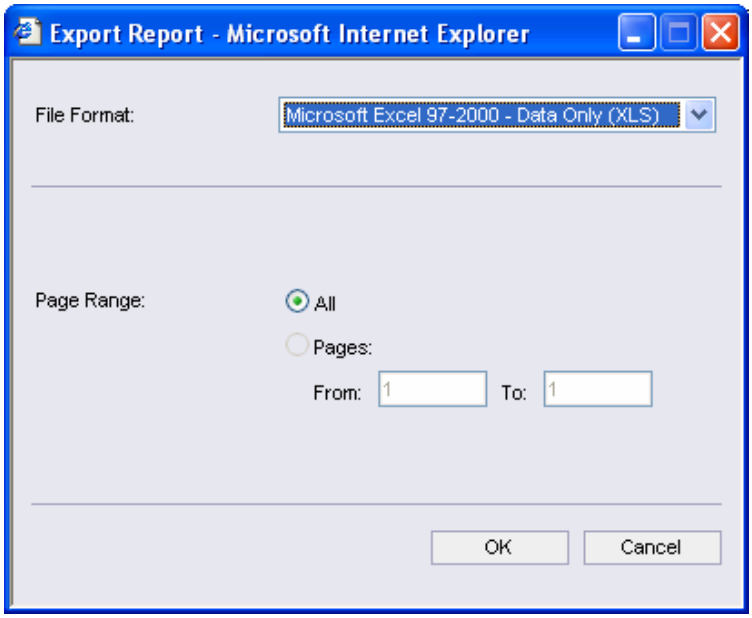
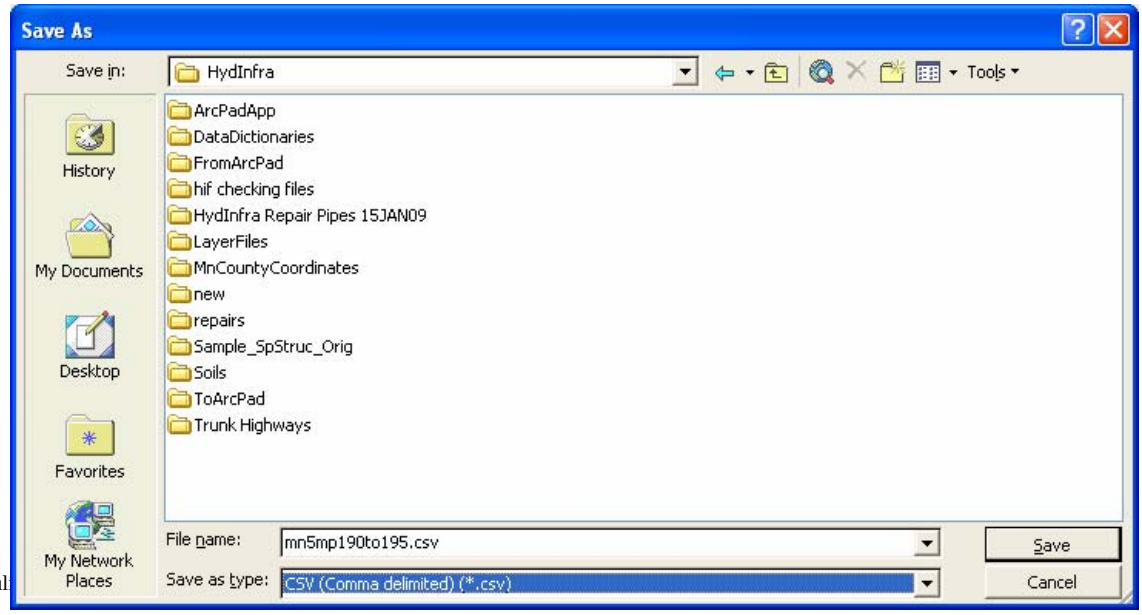
Create Waypoints file for GPS

Get Waypoints Report on HydInfra Webpage

- Go to HydInfra webpage, click on Reports
- Choose “Pipe” on Report Categories page
- Select “Waypoints Along a Roadway”
- Input the highway and beginning and ending mileposts, and click Okay
- (You can also print the companion report, “Waypoints along a Roadway Details” for a printable list of waypoints with pipe descriptions. Don’t use the details report for the GPS file because it won’t work.)
- Export the report  as Microsoft Excel 97-2000 – Data Only (XLS)
- (The report exports to Excel and file opens)



In Excel, Save as type: CSV format:



In Pathfinder Office - Create Waypoints files from CSV file:

1. File > Waypoints > ASCII import

2. Browse to your formatted csv file and open it

3. Browse to output file location and name it (**Caution – often can't rename the output file – take care not to overwrite your previous output file. Exit Pathfinder and re-open to change file name)**

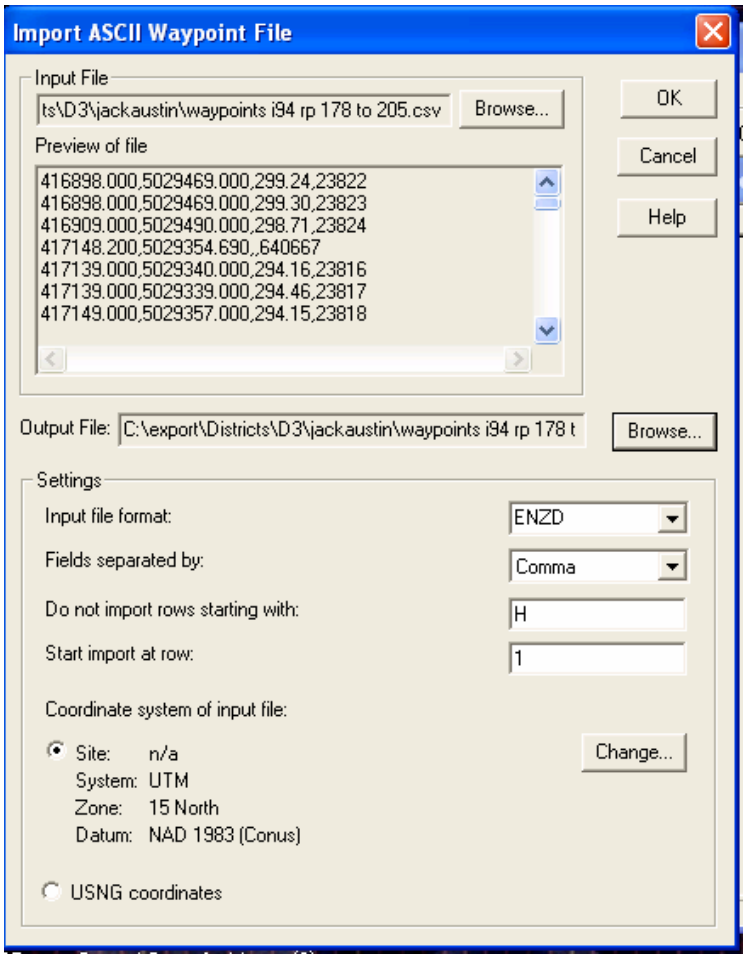
4. Settings (as shown in box at right)

5. Input file format : ENZD (this means easting, northing, elev., ID -- same as report column order)

6. Fields separated by: Comma (CSV file)

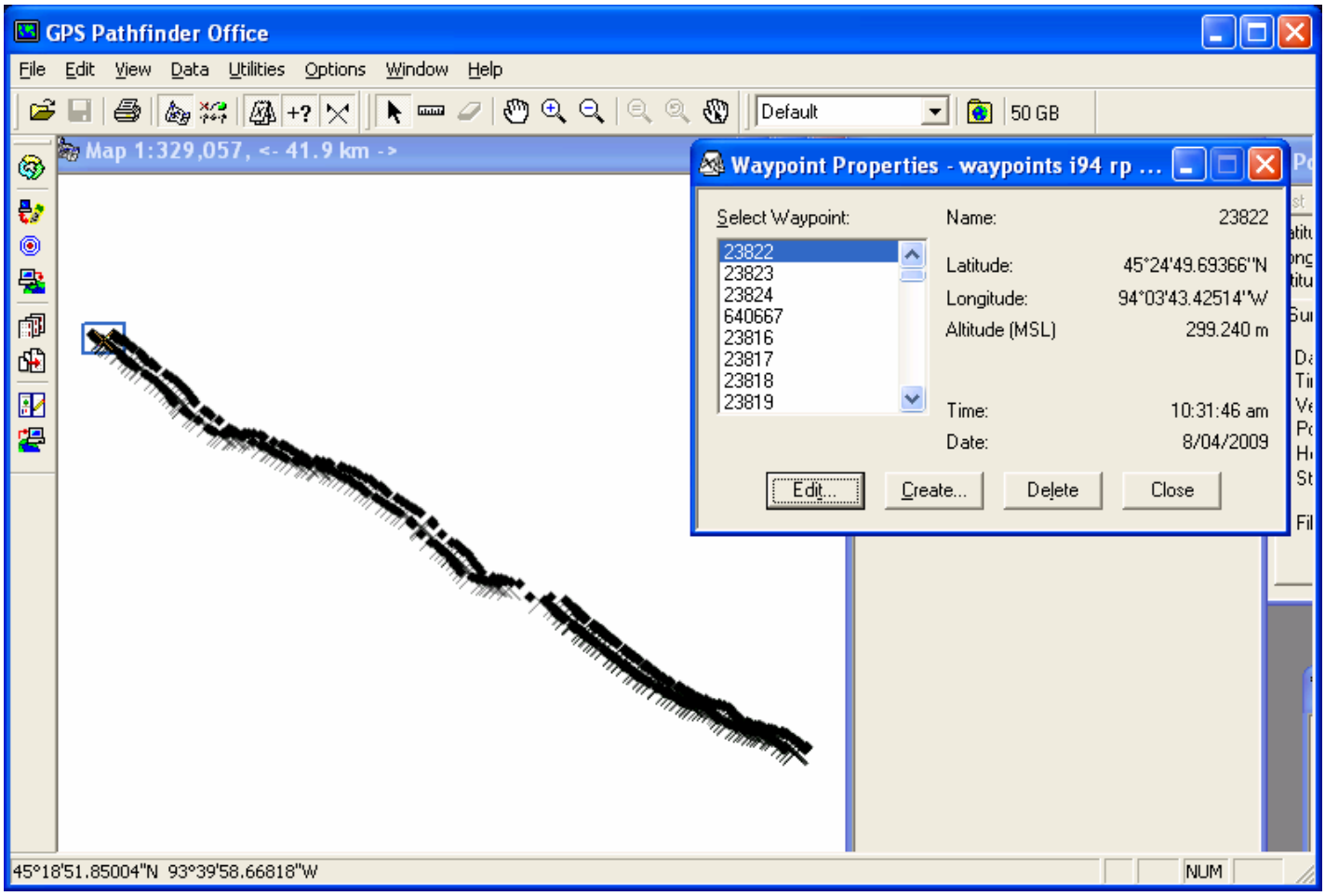
7. Do not import rows starting with: H (this omits the title and header rows that are in the report)

8. Start import at row: 1



9. Change coordinate system to UTM, Zone 15 North, Datum NAD 1983 CONUS, Altitude to MSL and units to Meters

10. Click Okay and data points appear in Pathfinder Map window as Xs and waypoint Properties box shows Pipe IDs listed.



11. Use Utilities Data Transfer to send the file to your GeoXT

Alternate method - Create UTM Waypoints data from ArcMap

1. **In ArcMap to** export existing Pipes data:
    - (Must have HydInfra ArcMap Tools)
    - Open ArcMap
        - Query for the existing pipes to be re-inspected
        - Open Properties for Pipes layer
        - choose Fields tab
        - clear all fields
        - choose fields for only Pipe ID, Flowline Elevation 1, UTMX, UTMY
        - Export to Excel
    - In Excel file
        - Re-order the columns to **UTMX, UTMY, Flowline Elevation 1, Pipe Id**
        - In UTMX and UTMY columns, format number to 2 decimal places
        - Delete the header row
        - Save file in CSV format
        - Formatted data rows should look like:

285598.42,4939779.80,326.77,533567