























LOCATING

The process of exposing and recording the precise vertical and horizontal location of a utility, through the use of vacuum excavation. It is non-destructive and typically more time and cost efficient than other conventional digging methods.

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CVASCE 38-02	(I/ASCE 38-02) CI/ASCE 38-02
ASCE	2022 Scheduled Update
STANDARD American Society of Civil Engineers	Other SUE Standards
Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data This document uses hold Système International (5) units and customery units.	Canada Australia United Kingdom
ASCE <u>CI</u>	China Malaysia Ecuador







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COST SAVINGS ON HIGHWAY PROJECTS UTILIZING SUBSURFACE UTILITY ENGINEERING	• Purdue University
Prepared by Purdee University Department of Building Construction Management	 Commissioned by Federal Highway Administration (FHWA)
	• \$4.62 Return on \$1.00 Investment
January 2000	
Prepared for the Federal Highway Administration Office of Program Administration Washington, D.C.	
FHWA Contract Number DTFH61-96-C-00090	

























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Strategic Highway Research Project Study (excerpts)	
Designator: Possesses all utility owner records.	
Locator: Possesses only those records for the utility owner for which he/she is under contract.	
Designator: Finds and marks all utilities.	
Locator: Only marks some utilities – doesn't have advantage of seeing all parts of the puzzle. For instance, unrecorded utilities, outdated records, abandoned utilities, unknown utilities, multiple non-encased wires, etc. cause identification confusion.	



















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Contractors' Perspective (Part IV)

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CLOSING:

NUCA National and the Pennsylvania Chapter members want to see the SUE standard of care used on public and private projects as an integral part of the project design phase











	JNDERGROUND CONSTRUCTION TECHNOLOGY	
	H E UNDERGROUND UTILITIES EVENT I JANUARY 25-27, 2022 I FORT WORTH, TEXAS	
	What Can NUCA Do For Its Members?	
	NUCA National appoint a SUE Liaison	
NUCA National hire a SUE consultant with Industry Expertise		
Develop SUE "As-Build" Procedure and Training for contractors		
Develop SUE legislative initiatives across the nation		
SUE PRESENTATION - Nic	k Zembillas 11/18/2021	53



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Thank you

QUESTIONS / DISCUSSIONS