

Bradbury Stamm Construction – Safety Directive

Safety Directive # 002-02

Original Issue Date: 10/20/2000

Revision Date: 08/10/2023

UNDERGROUND UTILITIES PROTECTION PROGRAM

Purpose

Excavations are difficult and of high risk with underground utilities. Protection of underground utilities or facility (UF) is of vital importance to Bradbury Stamm Construction and its clients. Underground utilities are gas lines, electric lines, water, storm and sanitary sewer pipelines and communication lines for telephone, fiber optic and cable television. These lines are the property of the utilities owners or the property owner –Underground Facility Owner (UFO). They are obstacles to be worked around or removed and replaced.

The Pipeline Safety Bureau can assess administrative fines for failing to call 811* for UFO spots, failing to report damage to UF(s) within 5 days, for damage to the underground facility if mechanical equipment was used within 24 inches of the line and for failure to take “reasonable care”. The second offense of either can be a \$25,000 fine and the cost of repair and losses incurred by entities affected by the utility interruption.

Procedure

The statute governing underground utilities is clear. In order to comply with the laws and regulations concerning excavations Bradbury Stamm has developed the BSC DIG Process Flow Chart and BSC DIG Permit.

DIG Process Flow Chart

This chart gives guidance for the excavation process and provides decision making assistance as well as being a road map to compliance. Post this in job-site offices for everyone to see. Laminated copies are available from the BSC yard. Can be accessed by QR Code from the DIG Permit.

BSC DIG Permit

This permit is designed to cover all the details that cause problems when excavating. Superintendents must fill out the DIG Permit with anyone digging on a Bradbury Stamm site including:

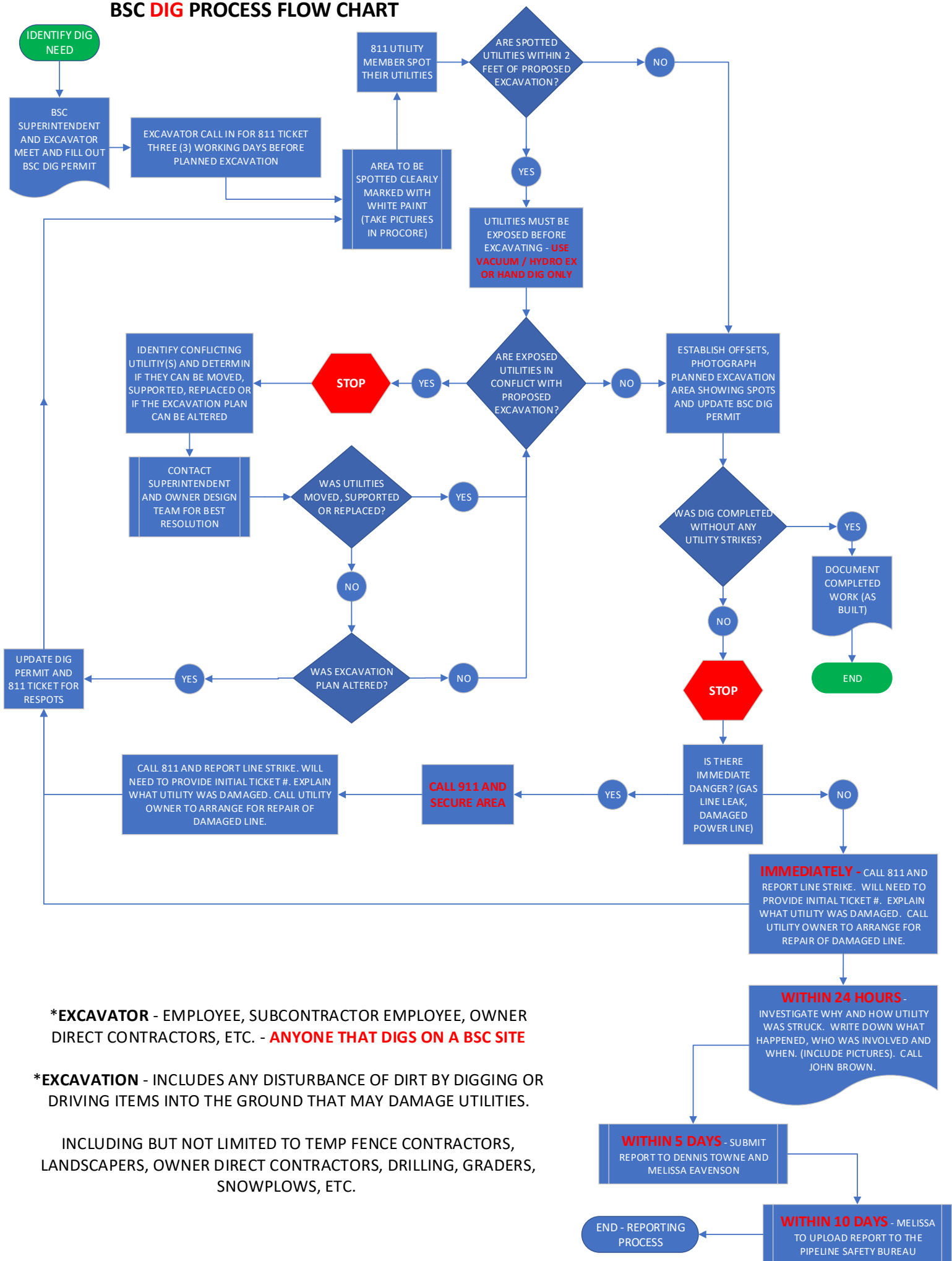
- the owners of utilities, subcontractors hired by the owner, BSC foremen and subcontractors.
- anyone grading, installing fencing and signs, drilling holes.

Also available on Procore under Forms.

The DIG Permit is evidence Bradbury Stamm was “exercising reasonable” as required by NM statute when things go wrong. The Pipeline Safety Bureau will hold a hearing. We need evidence that our procedures were followed. If a line is miss-spotted and broken be sure the BSC DIG Flow Chart is followed and the BSC DIG Permit has been filled out, all documentation including photographs are secure and made available to **Melissa Eavenson and Dennis Towne**.

**For work outside of New Mexico, contract the applicable State resource for UFO spots.*

BSC DIG PROCESS FLOW CHART



BRADBURY STAMM DIG (DISTURBANCE IN GROUND) PERMIT

Project #		Type of DIG Activity	WIDE	DEEP	LONG
Superintendent		Pothole for Utility			
Excavator Company		Clear & Grub jobsite			
Excavator Supervisor		Demo Concrete / Asphalt			
Supervisor Phone #		Overex Building Area			
Activity Start Date	Describe location / Area of work	Install Stakes / Posts			
		Excavate . Trench			
Activity End Date		Vertical Drill / Auger			
		Directional Bore			

CALL 811 TWO DAYS BEFORE YOU DIG (NOT COUNTING THE DAY OF THE CALL)	Locate Type	Date/Time Locate Request was Submitted	811 Ticket #	Date/Time Positive Response Check	Expiration Date
	Standard				
	Wide Area				

WRITE O FOR OVERHEAD AND U FOR UNDERGROUND NEXT TO EACH UTILITY LOCATED OR OBSERVED IN DIG AREA

ELECTRICAL		STORM DRAIN		GAS LINE		STEAM LINE	
FIBER OPTIC		SEWER LINE		MED GAS LINE		AIR LINE	
PHONE / CABLE		WATER LINE		CHILLER LINE		WELL SERVICE	
OTHER / EXPLAIN							

OPERATOR must be able to answer yes to all questions and initial each box before proceeding with DIG Initial

Has the Excavator reviewed their scope of work with other on-site utility contractors and reviewed current as-built drawings?	YES	
Has the Excavator identified all spotted utility conflicts that are within their white lined DIG area and "offset" those marks?	YES	
Has the Excavator verified that all utility owners on their One Call ticket provided a positive response and attached a copy?	YES	
Has the Excavator confirmed that One Call contacted all possible utility owners (Roadway signals, etc.)	YES	
Has the Excavator identified emergency phone numbers and/or shutdown locations for all utilities located in the area?	YES	
Has the Excavator identified all excavation hazards and corrective actions needed to complete a safe DIG?	YES	
Has the Bradbury Supervisor walked the proposed DIG area with the excavator prior to any DIG activity?	YES	
Has the Excavator photographed the DIG area with the white lines, offset marks and utility spots located?	YES	

IF ANSWERS ABOVE ARE ALL YES, EXCAVATOR MAY PROCEED WITH DIG ACTIVITIES

BSC Superintendent MUST review, photograph & upload this permit to Procore

STANDARD 811 UTILITY LOCATE TICKET

24 INCH NO DIG TOLLERENCE ZONE

CLICK OR SCAN QR CODE FOR DIG PROCESS FLOWCHART



811 COLOR MARKINGS

WHITE - PROPOSED DIG AREA

RED - ELECTRIC

YELLOW - GAS/OIL/STEAM

ORANGE - COMMUNICATION

BLUE - POTABLE WATER

PURPLE - IRRIGATION

GREEN - SEWER/DRAINAGE

PINK - SURVEY MARKS

Where conflicts within the planned DIG area and an underground utility exists, the excavator is required to maintain a clearance of 24" from the cutting edge of their mechanical equipment to either side of a utility locate mark and is only allowed to use vacuum excavation and/or hand dig potholing methods within that 24" NO DIG area until the utility has been exposed and is clearly seen.

NOTE: if a utility service is being installed the excavator must place warning tape and tracer tape/wire along the length of the utility in accordance with current building code requirements and must use above ground 811 color coded paint/flags/whiskers every 10 feet to mark that utility. As-built drawings must be kept current. All damage utility lines must be reported to 811 and Bradbury Stamm immediately.

Before removing or covering any 811 utility locate marks, excavators must provide offset marks. **IT'S THE LAW!**

NOTICE

This DIG PERMIT is designed as an aid to help prevent a Serious Injury / Fatality or damage to an underground utility. It is the EXCAVATORS responsibility to know, stay current and comply with State/Feder rules and regulations in their entirety. This DIG PERMIT does not relieve the excavator of any liability arising out of a line strike incident.