

OSC 12
Ohio Safety Congress & Expo

WELL AT HOME. SAFE AT WORK.

441 Hey Ohio, "Call Before you Dig!"

George Gillespie

Wednesday, March 28, 8:15 to 9:15 a.m.

Ohio Bureau of Workers' Compensation

OHIO Utilities Protection SERVICE
Call Before You Dig

"Safety First"

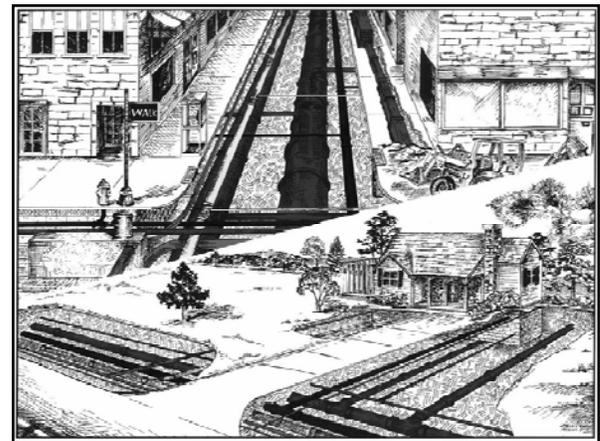
Call Before You Dig

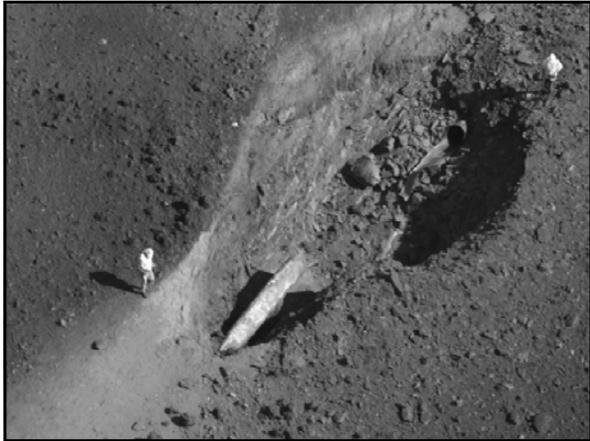
Presented by : George Gillespie

OHIO Utilities Protection SERVICE
Call Before You Dig

Today's Objectives

- Why is O.U.P.S. Important?
- Laws
- Dangers
- Damages
- Prevention







History of O.U.P.S.

- Founded in 1972 by East Ohio Gas, Cleveland Electric Illuminating & Ohio Bell
- Incorporated in 1979 as a Non-Profit Organization
- In 1990, the Latest "Call Before You Dig" State Legislation was enacted

Current Ohio Dig Laws

- "Call Before You Dig" Legislation Enacted:
 - In 1982, ORC **153.64** - Public Improvement Work
 - In 1990, ORC **3781.25-32** - All Other Work
- Both Laws Available to Download At: <http://www.oups.org>

Who operates O.U.P.S.?



- Located in Youngstown, Ohio
- 24 hours a day, 7 days a week, 365 days a year
- Approximately 50 Employees
- Calls are handled by Customer Service Representatives

What we do

- We are the communication link between homeowners, excavators, contractors and those who own, operate or maintain buried facilities
- We facilitate the "Call Before You Dig" process

O.U.P.S is a call-center – we **DO NOT** mark lines

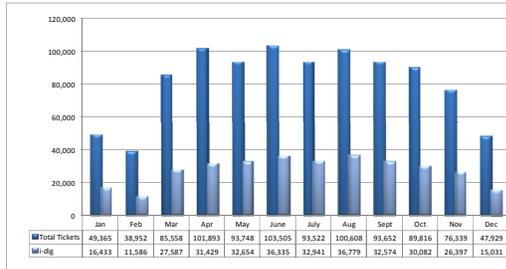


The Call Center

- We take approximately 1 million tickets annually
- Averaging approximately 4,000 tickets per day
- For each ticket an average of 6 to 7 dig notices are being sent to our member facility owners



Call Volume



What is an Excavation?

According to the Ohio Revised Code, an Excavation is...

"...the use of tools, powered equipment or explosives to move earth, rock, or other materials in order to penetrate or bore or drill into the earth, or to demolish any structure whether or not it is intended that the demolition will disturb the earth."



Some Types of Excavation

Grading	Trenching	Digging
Ditching	Dredging	Drilling
Auguring	Tunneling	Blasting
<ul style="list-style-type: none"> • Demolition of buildings or structures • Cable or pipe plowing or driving • Farming activity: drain tiles, tilling or excavations that are more than 12 inches deep 		

What is Not an Excavation?

- Agricultural activities less than 12-in.
- Government work less than 12-in.
- Underground mining

The Call Before You Dig Process

- Plan your work
- Pre mark your work site in white paint or flags
- Place the call
 - 1-800-362-2764 or 811
- Wait the 48 hours
- Perform a site assessment
- Dig with care



When to call

You need to call...

"...at least forty eight hours but not more than ten days before commencing excavation, the excavator shall notify the protection service of the location of the excavation site and the date on which the excavation is planned to commence..."



The information you need

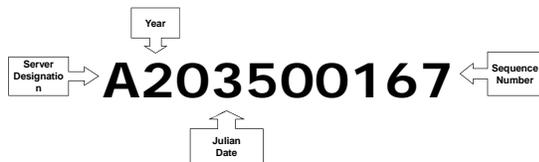
What happens when I call?

- Give complete and accurate information of the notification area
- Listen *carefully*, the CSR will read back your notification request. This is your opportunity to verify the information that you have provided
- You will be provided with the following important information:
 - A list of facility owners notified by O.U.P.S.
 - A list of facility owners known as Limited Basis Participants (LBP's), with phone numbers, that you will have to notify
 - Excavation notification number (ticket number), please write this information down and keep it for future reference

Your Ticket Number

The sequence number (below) represents the 167th ticket generated from the A server on February 4, 2012 (February 4th is the 35th day of 2012)

Ticket numbers may also begin with the letter B



Caution

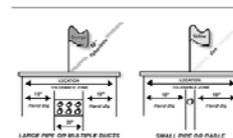
- Be aware that not all facility owners are registered with O.U.P.S.
- Limited Basis Participants (LBP's) **must** be notified by the caller
- You must call the Ohio Oil and Gas Producers Underground Protection Service (OGPUPS)
 - 1-800-925-0988
 - www.oqpups.com



Facility Owners ORC 3781.27 (C)

- Participate in a State Registered Protection Service
- Provide notice to Developers of the Approximate Location of their facilities within **10 Days**
- Mark the location of their facilities within **48 hours** of an Excavation Notice using the designated color
 - No marks represents that they have no facilities present
 - Mark the Approximate Location or "give additional guidance"
 - Mark to "best of its ability"
 - Provide Depth only on Public Improvement projects

Tolerance Zone



Ohio law requires that the excavator observe the tolerance zone during excavation...

"...an area equal to the width of the underground facility plus 18 inches on each side, centered on the locate mark. If no width is given by the utility, assume 2 inches..."

Examples & Short Cuts

White Lines: For marks with white paint or dye: Facilitators are encouraged to pre-mark the excavation, one with white paint or flags in order to identify the specific area where excavation is to take place.

Underground Facilities - Cables: If a single underground facility is present, a single line shall indicate the location of the facility.

If multiple underground facilities are present, a double mark for each facility shall be used.

Underground Facilities - Pipelines: Pipelines 2 inches and smaller shall be represented by a double mark. When known, the material type will be provided.

Pipeline larger than 2 inches shall be represented by a single line. The size shall be noted in inches. When known, the material type will be provided.

When known, pipelines which are installed into casing shall be marked as such (e.g. plastic insert).

Diagonal Marks: For duct banks constructed with ducts 2 inches or less a single line is used, a diamond is placed within the mark. The number of small diameter ducts shall be indicated within the diamond.

For duct banks containing ducts larger than two inches the duct bank boundary (the "width") is identified with marks after locating the outermost ducts within the bank. The number of facilities will be placed within the diamond. This diamond will be placed within the duct bank boundary marks.

In situations where multiple ducts are overlaid and/or operated by different companies an placed together in a single location, a duct bank marking symbol shall be used by the first operator marking the facility. Other owners/operators serving facilities within the bank shall verify the marks and add their own operator letter designation.

Other Marks: In areas prone to the frequent excavation of marks, other marks may be used in conjunction with the marks placed at the actual location of a facility. They are intended to be used as a supplemental means of marking.

Termination Points: Termination Points, end caps, and dead ends shall be marked as shown.

Change in Direction: When deviations in the direction of a facility are known to exist, the deviations shall be marked in a manner which clearly identifies the course of the facility.

Markings

- Respect the markings
- Markings may appear in a variety of forms; paint, flags, stakes or other materials
- Faded or missing marks need to be relocated – call the O.U.P.S. Center to request a remark
- Marks may be missing or confusing. If you have any questions, you should contact the facility owner

Color Codes

Red	Electric power lines, power conduits, lighting cables, and other energized wires, such as traffic signals
Orange	Telecommunication lines, fiber optic cables, alarm or signal lines, cable TV or conduits
Yellow	Natural gas, oil, steam, liquid petroleum, or other gaseous or flammable material
Green	Sewers and drain lines
Blue	Drinking / potable water
Purple	Reclaimed water, irrigation, and slurry lines
Pink	Temporary survey markings
White	Proposed excavation

What is an Emergency?

An Emergency request is defined as...

“...an unexpected occurrence that causes disruptions or damages to a facility requiring immediate repair or involves loss of or damage to life, health, property, or essential public services...”

Emergency Requests

Only actual emergencies should be designated as such when a dig notification is phoned to O.U.P.S.

- An example of an emergency is a broken water main

Do not call in an emergency ticket on a Saturday for a deck, fence, mail box, etc.

Do's

"Do" protect and preserve the color-coded markings until those markings are no longer needed for proper and safe excavation

"Do" call for a remark if the markings are destroyed or removed before excavation is complete and allow 48-hours to remark the site

"Do" be sure someone other than the equipment operator, i.e. the spotter, is there to look for any sign of the underground facility

"Do" report any damages to underground facilities and allow time for repairs

Don'ts

"Don't" assume the depth of a utility. Never assume that an underground facility is the same depth throughout the entire route of the excavation

"Don't" assume all utilities have responded to your request. Assess the proposed excavation area for indications of unmarked facilities

"Don't" work on someone else's ticket number

"Don't" assume that a underground facility runs in a straight line between line markers

**What does every
phone line have in
common?**

Damages...

Theft...

Thank You

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