FUJITA

Civil Marker

Less Work and Better Safety for Maintenance and Management through Encapsulation of Town Facilities Information!

Because the location, depth and type of buried objects can be determined from above ground without the aid of charts, management becomes easy even with complex management division.
Even data collaboration with mapping centers via a network is possible.



What are Civil Markers?

- Civil markers are intelligent marking systems consisting of data carriers *1 and display units which are used in managing buried objects and facilities.

- Information regarding the position, depth and type of the object in question can be simply read and displayed in a non-contact method using the special reader/writer. *2

- Of course, on-site date writing can also be conducted in a non-contact method.

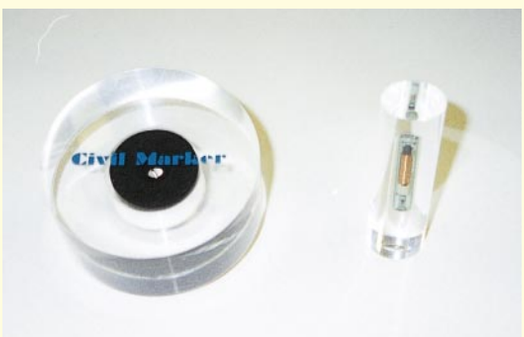
- The situation can be confirmed on site without charts.

- With no need for test-pit drilling on projects, damage to buried objects from drilling errors can be prevented.

- Management information relating to facilities can be confirmed on site.

*** Civil markers can be in forms for fitting into stake, buried road markers or manhole covers.**

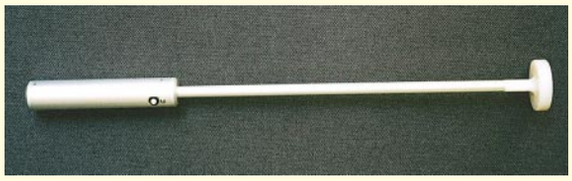
*1 Data Carrier



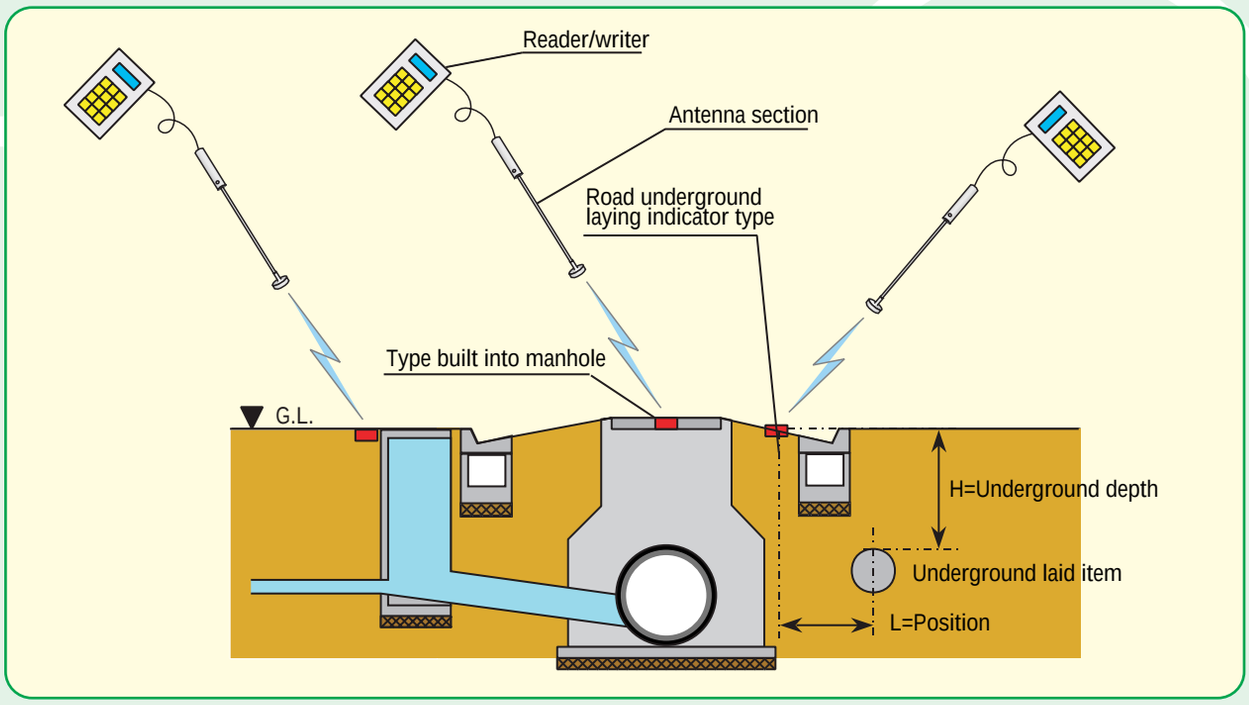
- Electronic recording of information.
- Non-contact communication possible.
- No need to change batteries as batteries are not used.
- Different shapes can be created according to usage.

*2 Reader/Writer

Antenna



Actions of Civil Markers



Management Applications

- ■Management of power, gas, water, sewerage and other town infrastructure.
- ■Management of site boundaries, road boundaries and other coordinates.
- ■Management of the position of underground drain structures including culverts and common drains.
- ■Management of factory and plant pipelines.
- ■Management of railway tracks and power and signal cables.
- ■Management of surveying points for public works construction.

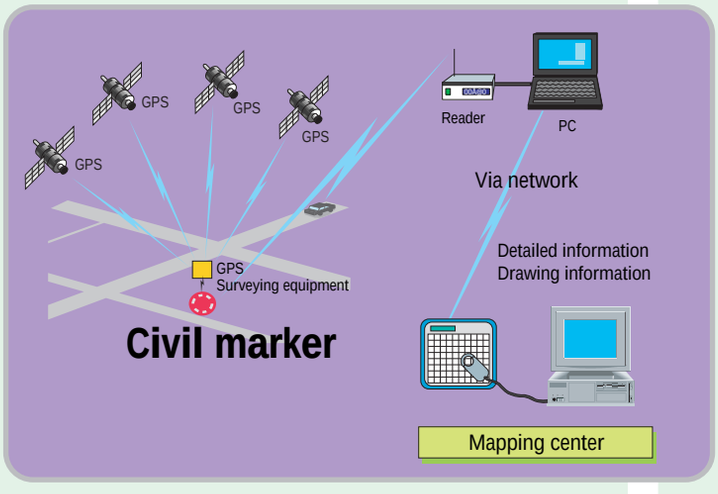
System Development

1 Selection of management applications
Chose what is to be managed and clarify objectives.

2 Standardization
Efficient code creation for stared data when establishing civil markers.

3 Independent Systems
Creation of an on-site facility information management system using reader/writer.

4 Integrated System
Link to data management systems, network integrated GIS, mapping systems or GPS data.
It is possible to create a comprehensive town infrastructure facility management system.



We would be happy to assist in developing a system specifically suited to your needs, so please feel free to consult us.

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