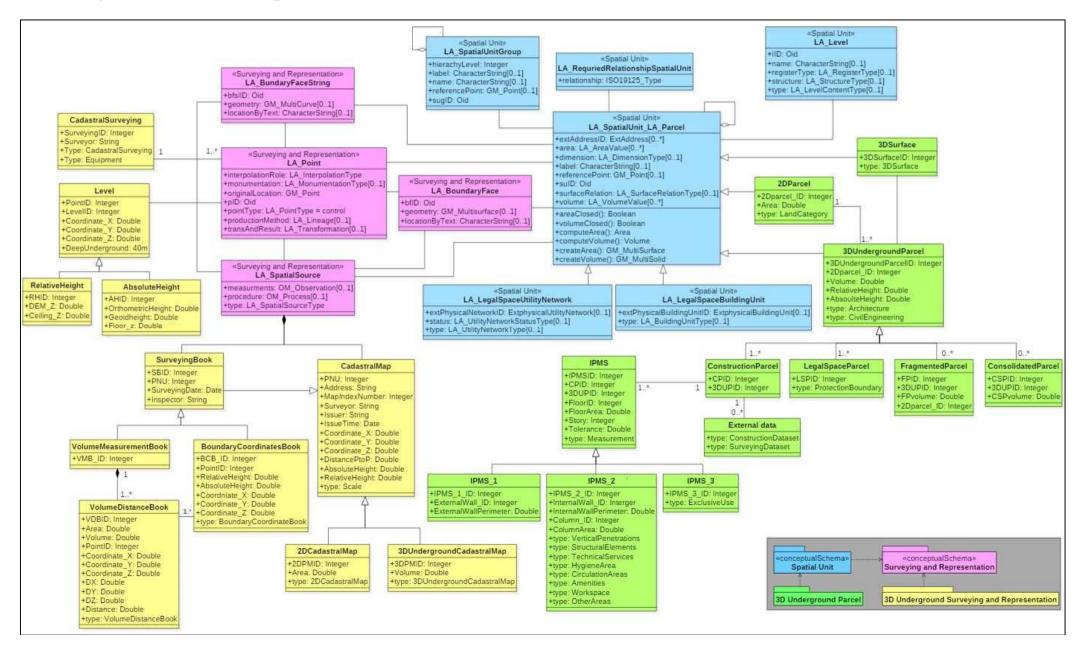
Development of 3D Underground Cadastral Data Model in Korea: Based on the Land Administration Domain Model

16.03.2017

Sangmin, Kim

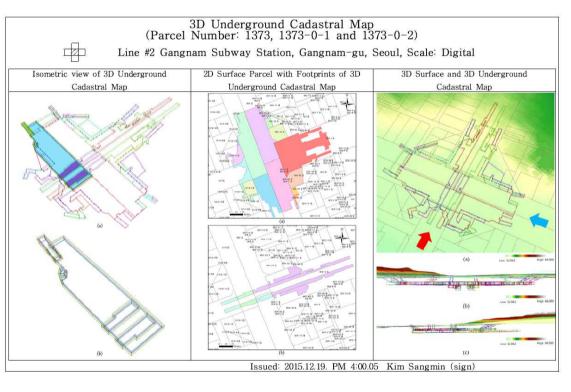
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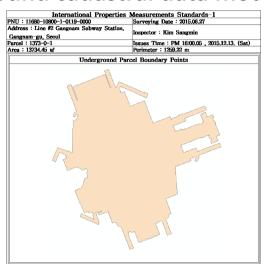
Proposed 3D underground cadastral data model with LADM



Development of 3D Underground Cadastral Data Model in Korea: Based on the Land Administration Domain Model

Implementation of the proposed 3D underground cadastral data model





			_		Distanc	e Mea	surer	ment B	look					
PNU: 11680-10800-1-0119-0000								Surveying Date: 2015.06.27						
Address : Line #2 Gangnam Subway Station,							Inspector : Kim Sangmin							
Gangnam-gu, Seoul														
Parcel: 1373-0-1							Issues Time: PM 16:00.05, 2015.12.13. (Sat) Volume: 6181.8 m'							
Area : 2377.6 m' Coordinates (unit: m) Contents														
Point	Coo	rdinates	(unit		Cont	ents	Point	Coo	rdinates	(unit:		Cont	tents	
ID	х	Y	Z	Relative Height	Segment	Distance	ID	х	Y	Z	Relative Height		Distance	
1		544356.0		17.4	P1P16	101.3	17		544356.0	10.2	20.0	P16P17	101.3	
2	202396.2			17.4	PIPE	11.9	18	202396.2		10.2	20.0	P17P18	11.9	
3		544339.1		17.6	PEP3	13.5	19	202401.0		10.2	20.2	P18P19	13.5	
4		544337.3		17.6	P3P4	4.9	20		544337.3	10.2	20.2	P19P20	4.9	
5	202400.1	544327.4		17.6	P4P5	10.6	21	202400,1		10.2	20.2	P20P21	10.6	
6		544326.5		17.6	P5P6	2.4	22		544326.5	10.1	20.2	P21P22	2.4	
7		544323.1		17.5	P6P7	3.8	23	202396.3		10.1	20.1	P22P23	3.8	
8		544322.1		17.6	P7P8	2.5	24	202398.6		10.1	20.2	P23P24	2.5	
9	202399.7	544324.5		17.6	P8P9	2.7	25		544324.5	10.1	20.2	P24P25	2.7	
10		544325.0		17.6	P9P10	1.4	26		544325.0	10.2	20.2	P25P26	1.4	
11	202401.5	544323.7	12.8	17.6	P10P11	1.4	27	202401.5		10.2	20.2	P26P27	1.4	
12	202399.8	544319.8	12.9	17.6	P11P12	4.3	28	202399.8	544319.8	10.1	20.3	P27P28	4.3	
13	202396.5	544318.5	12.9	17.5	P12P13	3.5	29	202396.5	544318.5	10.1	20.2	P28P29	3.5	
14	202396.4	544314.3	12.9	17.5	P13P14	4.2	30	202396.4	544314.3	10.1	20.2	P29P30	4.2	
15	202420.0	544252.3	12.9	17.6	P14P15	66.4	31	202420.0	544252.3	10.1	20.3	P30P31	66.4	
16	202443.3	544261.3	13.2	17.9	P15P16	25.0	32	202443.3	544261.3	10.3	20.8	P31P32	25.0	
] .			
		Expla	anat	ion of	Locatio	n for 3	D uno	dergrou	nd cad	astra	al parce	el		
			To No.				H	Pared No. IF		Feed N	5 177502			

