

Topography

Code	SC	FC	LC	AT
ASPH	Asphalt pavement, etc		X	
BLDG	Buildings, sheds		X	
BOLL	Bollards	X		
BRDG	Bridges		X	
BUSH-DECD	Deciduous bushes	X		
BUSH-EVER	Evergreen bushes	X		
CONC	Concrete pads, pavement		X	
DIRT	Dirt piles, etc		X	
DTCH-CL	Ditch - Centerline		X	
DTCH-FL	Ditch - Flowline		X	
EOL	Edge of Landscaping		X	
EOW	Edge of Water		X	
FNC	Fences		X	
GATE	Gates		X	
GRAL	Guard rails		X	
GRVL	Gravel		X	
HWL	High water line		X	
LINE	Misc topo lines		X	
MP	Measure point (field use)			
RIVR-CL	River - Centerline		X	
RIVR-FL	River - flowline, thalweg		X	
ROCK	Rock - outcrops, piles, etc		X	
RRAP	Riprap		X	
RR-EQPM	Railroad - Equipment		X	
RR-RAIL	Railroad - Rails, Tracks		X	
RR-STRC	Railroad - Structures		X	
RS	Random Shot, auxiliary use			
SIGN	Signs	X		
TANK	Tanks		X	
TRAIL	Trails		X	
TREE-DECD	Tree - Deciduous	X		X
TREE-EVER	Tree - Evergreen	X		X
WALL	Wall Shot		X	
WALL-TOP	Wall -Top of wall		X	X
WALL-BOT	Wall - Bottom of wall		X	X
WELL	Wells	X		
WETL	Wetlands		X	

Roadway

Code	SD	FC	LC	AT
CURB-CUT	Curb cut		X	
CURB-FL	Flowlines		X	
CURB-LIP	Lip of gutter		X	
CURB-TBC	Top back curb		X	
DRIV-ASPH	Driveway - Asphalt		X	
DRIV-CONC	Driveway - Concrete		X	
DRIV-UPVD	Driveway - Unpaved		X	
DRIV-GRVL	Driveway - Gravel		X	
EOR-ASPH	Edge of Road - Asphalt		X	
EOR-CONC	Edge of Road - Concrete		X	
EOR-DIRT	Edge of Road - Dirt		X	
EOR-GRVL	Edge of Road - Gravel		X	
PAN	Street pans		X	
ROAD-CL	Road - Centerline		X	
ROAD-CRWN	Road - Crown		X	
ROAD-PAINT	Road - Lane Marking		X	
SWLK-ASPH	Sidewalk - Asphalt		X	
SWLK-CONC	Sidewalk - Concrete		X	
SWLK-RAMP	Sidewalk - Ramp			
SWLK-DOME	SW - Truncated Dome			

Grading

Code	SC	FC	LC	AT
BOB	Bottom of bank		X	
BRK	Breakline, grade break		X	
GRND	Ground shot			
TOB	Top of bank		X	
TOE	Toe of slope		X	
TOP	Top of slope		X	

Geotechnical

Code	SC	FC	LC	AT
GEO-BORE	Bore Hole	X		X
GEO-MON	Monitoring Well	X		X
GEO-PIT	Test Pit		X	
GEO-PTOT	Pitot Stations	X		X
GEO-PZMT	Peizometer Station	X		X
GEO-TEST	Test hole	X		X

Utilities

Code	SC	FC	LC	AT
CTV-CABN	Cable TV - Cabinet		X	
CTV-OH	Cable TV - Overhead		X	
CTV-PLBX	Cable TV - Pullbox		X	
CTV-RISR	Cable TV - Riser	X		
CTV-TOP	Cable TV - Top of line		X	
CTV-UG	Cable TV - Underground		X	
EL-CABN	Electric - Cabinet		X	
EL-GUY	Electric - Guy wire		X	
EL-HH	Electric - Handhole	X		
EL-MH	Electric - Manhole	X		
EL-MTR	Electric - Meter	X		
EL-OH	Electric - Overhead		X	
EL-PANL	Electrical - Panel			
EL-PED	Electric - Pedestal	X		
EL-PLBX	Electric - Pullbox		X	
EL-POLE	Electric - Pole	X		
EL-TOP	Electric - Top of line		X	
EL-UG	Electric - Underground		X	
EL-VLT	Electric - Vault		X	
EL-XFMR	Electric - Transformer		X	
FO-CABN	Fiber Optic - Cabinet		X	
FO-HH	Fiber Optic - Handhole	X		
FO-MH	Fiber Optic - Manhole	X		
FO-PED	Fiber Optic - Pedestal	X		
FO-PLBX	Fiber Optic - Pullbox		X	
FO-TOP	Fiber Optic - Top of conduit		X	
FO-UG	Fiber Optic - Underground		X	
FO-VLT	Fiber Optic - Vaults		X	

Utilities (cont.)

Code	SC	FC	LC	AT
GAS-MH	Gas - Manhole	X		
GAS-MTR	Gas - Meter	X		
GAS-STRC	Gas - Structure		X	
GAS-TANK	Gas - Tank		X	
GAS-TOP	Gas - Top of pipe		X	
GAS-UG	Gas - Underground		X	
GAS-VLV	Gas - Valve	X		
IRR-SPGT	Irrigation - Spigot			
IRR-SPKL	Irrigation - Sprinkler	X		
IRR-STRC	Irrigation - Structure		X	
IRR-TOP	Irrigation - Top of Pipe		X	
IRR-UG	Irrigation - Underground		X	
IRR-VBOX	Irrigation - Valve box	X		
IRR-WELL	Irrigation - Well	X		
LPOLE	Light pole	X		
PIPE-INV	Pipe - Invert			X
PIPE-TOP	Pipe - Top		X	
POTH	Pot hole	X		
SAN-CO	Sanitary - Clean out			
SAN-INV	Sanitary - Invert			X
SAN-LCHF	Sanitary - Leach Field		X	
SAN-MH	Sanitary - Manhole	X		
SAN-TOP	Sanitary - Top of pipe		X	
SAN-UG	Sanitary - Underground		X	
SAN-VLT	Sanitary - Vaults		X	
STEM-INV	Steam - Invert			
STEM-MH	Steam - Manhole	X		
STEM-TOP	Steam - Top of pipe		X	
STEM-UG	Steam - Underground		X	

Utilities (cont.)

Code	SC	FC	LC	AT
STM-CB	Storm - Catch basin		X	
STM-INV	Storm - Invert			X
STM-MH	Storm - Manhole	X		
STM-POND	Storm - Detention pond		X	
STM-SWAL	Storm - Swale		X	
STM-TOP	Storm - Top of pipe		X	
STM-UG	Storm - Underground		X	
STM-VLT	Storm - Vaults		X	
TEL-CABN	Telephone - Cabinet		X	
TEL-HH	Telephone - Handhole	X		
TEL-MH	Telephone - Manhole	X		
TEL-OH	Telephone - Overhead		X	
TEL-PED	Telephone - Pedestal	X		
TEL-PLBX	Telephone - Pullbox		X	
TEL-POLE	Telephone - Pole	X		
TEL-UG	Telephone - Underground		X	
TRAF-CABN	Traffic - Cabinet		X	
TRAF-HH	Traffic - Handhole	X		
TRAF-PLBX	Traffic - Pullbox		X	
TRAF-POLE	Traffic - Pole	X		
TRAF-UG	Traffic - Underground		X	
UNK-MH	Unknown - Manhole	X		
UNK-UTIL	Unknown - Utility		X	
WAT-ACS	Conduit access opening	X		X
WAT-CTST	Water - Cathodic testing	X		
WAT-FH	Water - Fire hydrant	X		
WAT-FLJN	Water - Fire line		X	
WAT-MH-CL	Water - Manhole center			X
WAT-MH-ENT	Water - Manhole lid	X		
WAT-MTR	Water - Meter	X		
WAT-TOP	Water - Top of pipe		X	
WAT-UG	Water - Underground		X	
WAT-VENT	Water - Vent pipe	X		X
WAT-VLTS	Water - Vault Outline		X	
WAT-VLT-ENT	Water - Vault entrance			X
WAT-VLV	Water Valves	X		X

Control

Code	SC	FC	LC	ATT
BM	Benchmark	X		X
CP	Control Point	X		X
NGS	NGS Point	X		X
PP	Panel Point	X		X
RP	Range Point	X		X
RP-RFM	RP - Ref. Monument			X
SC	Section Corner	X		X
SC-RFM	SC - Ref. Monument			X

Monumentation

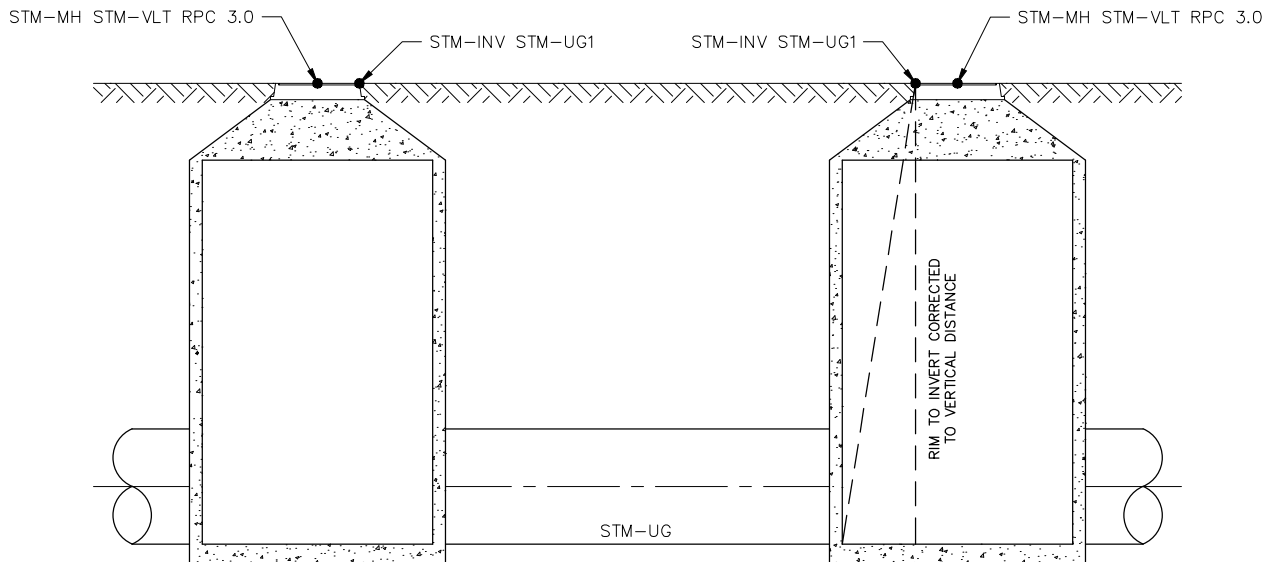
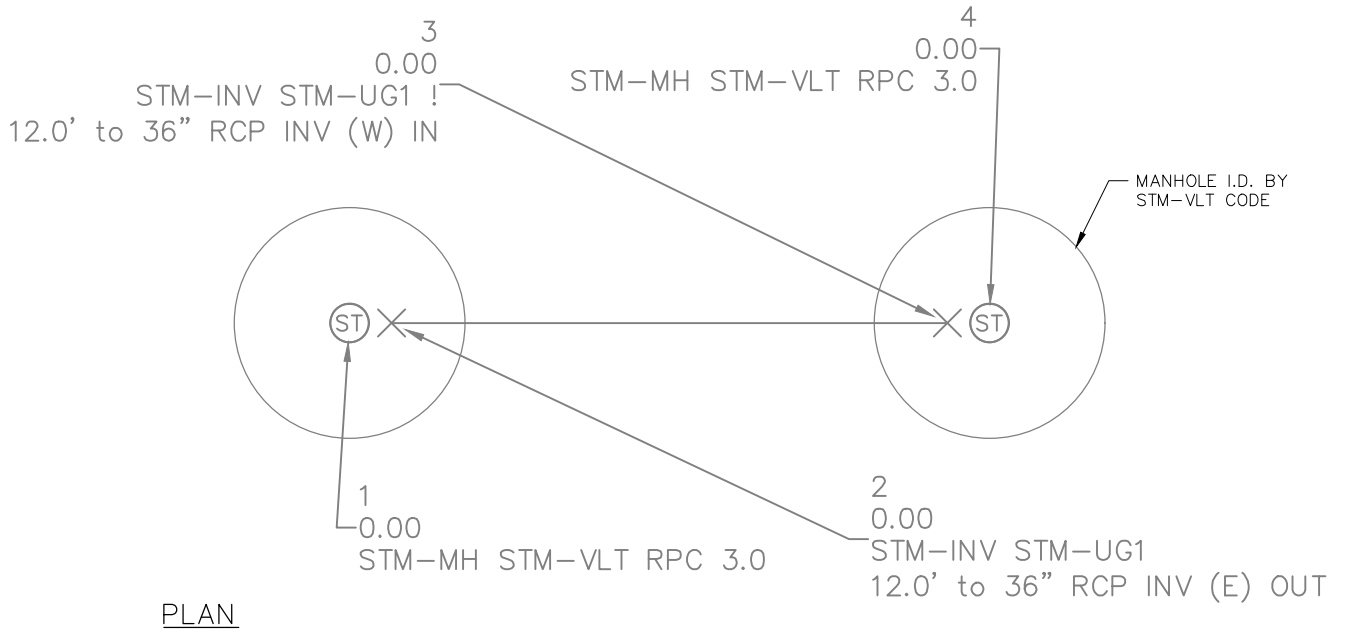
Code	SC	FC	LC	AT
MON-ALC	Aluminum cap	X		X
MON-AXL	Axle	X		X
MON-BC	Brass cap	X		X
MON-CC	Chiseled Cross	X		X
MON-COPP	Copper plug	X		X
MON-CRW	Crow's foot	X		X
MON-DH	Drill hole	X		X
MON-HUB	Hub	X		X
MON-IP	Iron pipe	X		X
MON-PCAP	Plastic cap	X		X
MON-PKNL	PK nail	X		X
MON-RBR	Rebar	X		X
MON-SHNR	Shiner	X		X
MON-SPIK	Spike nail	X		X
MON-STON	Stone	X		X
MON-TABL	Tablet	X		X

Office Use

Code	SC	FC	LC	ATT
CALC	Calculated position	X		
CK	Check shot			
IMG	Image Collection			
STAK	Stake-out Points			X

Abbreviations:

- SD – Short Description
- FC – Feature Code
- LC – Line Code
- ATT - Attributes



CODE: STM-INV

FEATURE DEFINITION: THE PURPOSE OF THE STM-INV CODE IS IDENTIFICATION OF STORM SEWER MANHOLE ATTRIBUTES FOR USE IN DESIGN PLAN MAPPING

ATTRIBUTES: INVERT DEPTH / PIPE SIZE (D) / PIPE MATERIAL (TYPE) / INVERT QUADRANT / INVERT IN OR OUT

DRAWN BY: X.X.X.

CHKD BY: X.X.X.

APPD BY: X.X.X.

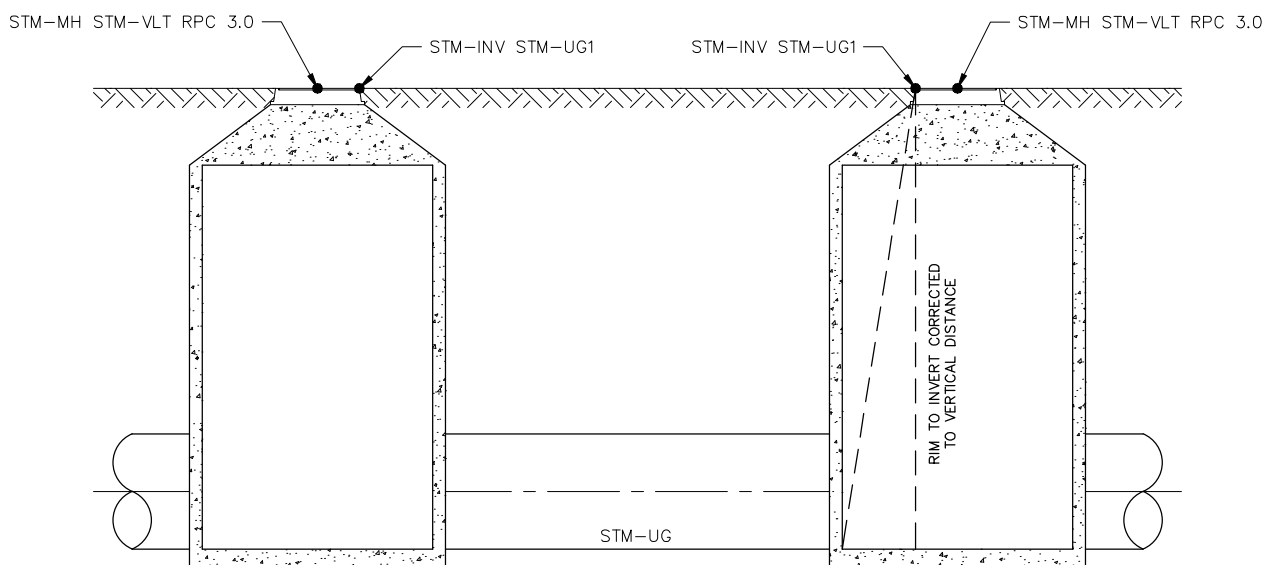
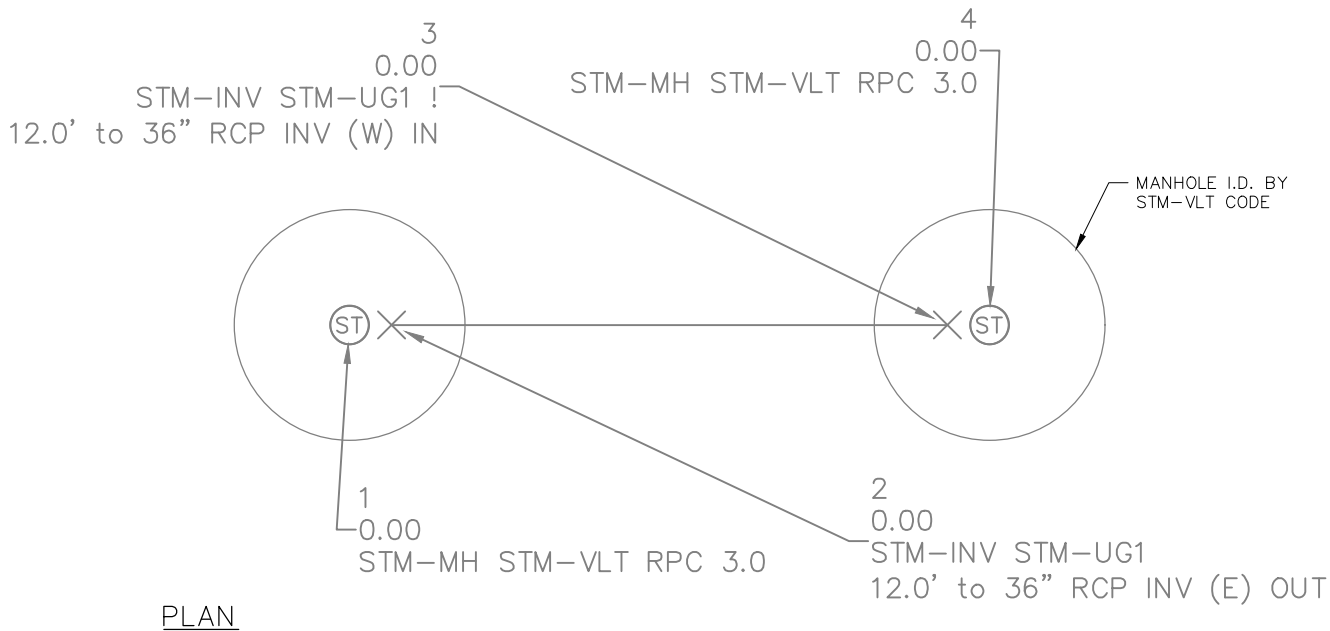
ORIGINATION DATE:

REVISION DATE:

STM-INV
**STANDARD SEWER
MANHOLE COLLECTION**



1600 West 12th Ave
Denver, Colorado 80204-3412
T: 303.628.6000
F: 303.628.6851
denverwater.org



CODE: STM-MH

FEATURE DEFINITION: THE PURPOSE OF THE STM-MH CODE IS IDENTIFICATION OF STORM SEWER MANHOLE GEOLOCATION FOR USE IN DESIGN PLAN MAPPING

ATTRIBUTES: N/A

DRAWN BY: X.X.X.

CHKD BY: X.X.X.

APPD BY: X.X.X.

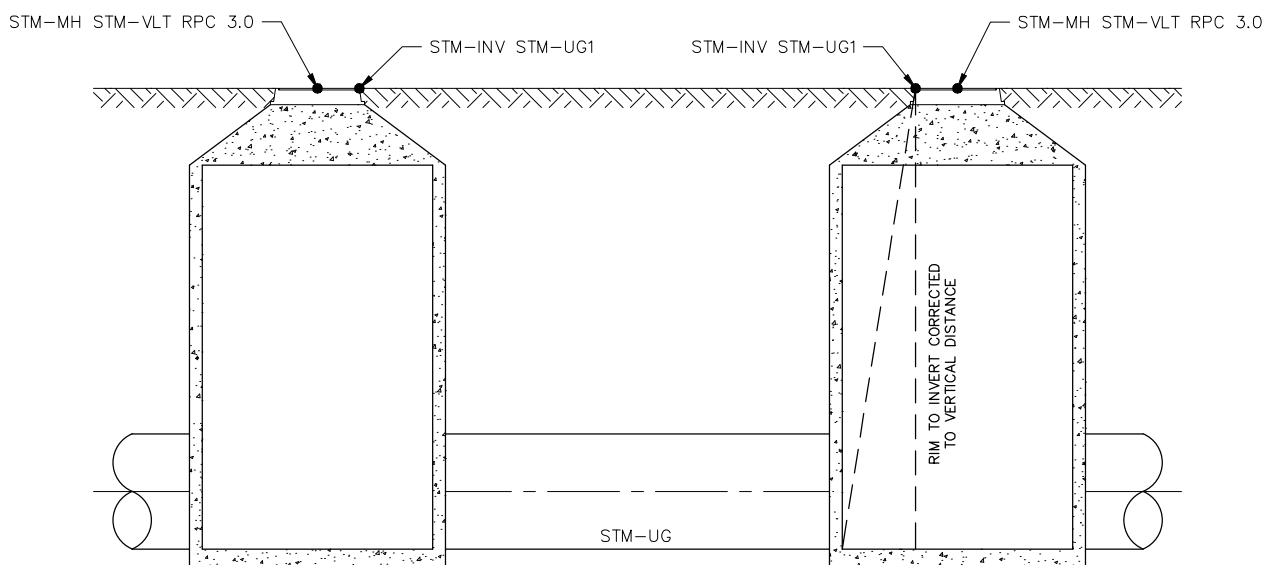
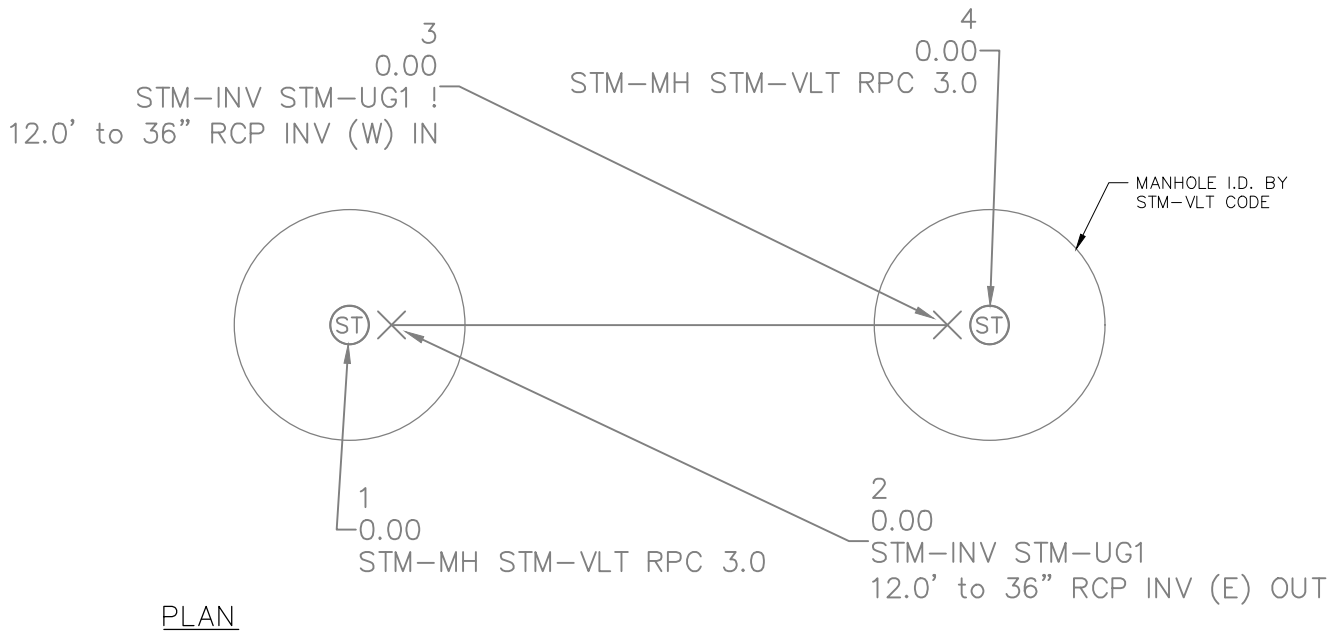
ORIGINATION DATE:

REVISION DATE:

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CODE: STM-UG

FEATURE DEFINITION: THE PURPOSE OF THE STM-UG CODE IS IDENTIFICATION OF STORM SEWER PIPE GEOLOCATION FOR USE IN DESIGN PLAN MAPPING

ATTRIBUTES: N/A

DRAWN BY: X.X.X.

CHKD BY: X.X.X.

APPD BY: X.X.X.

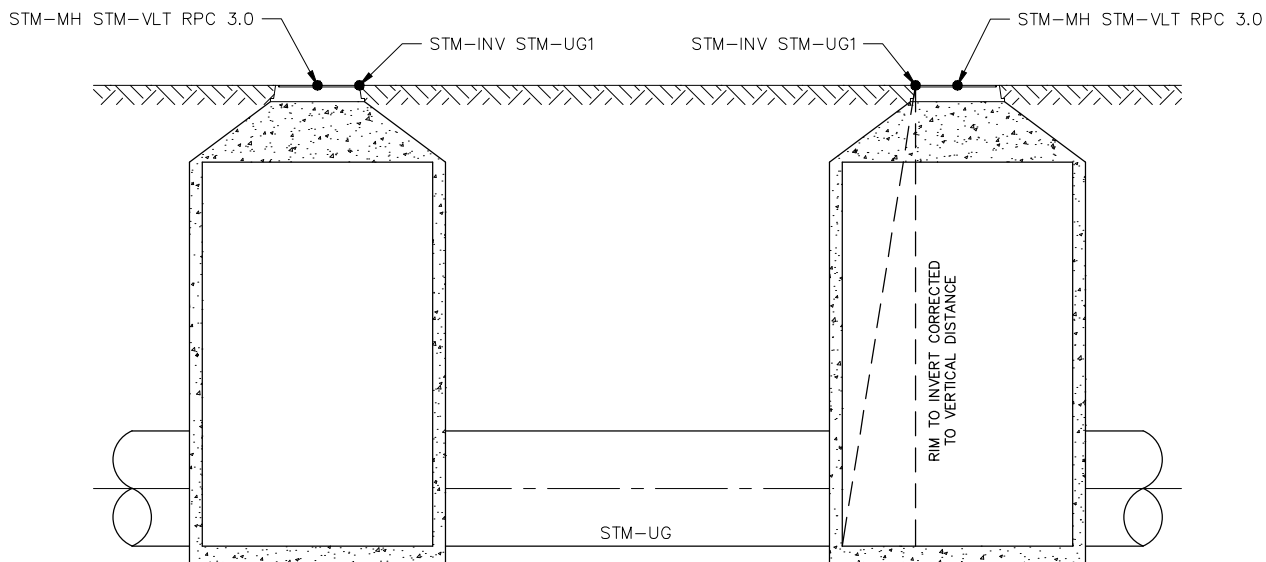
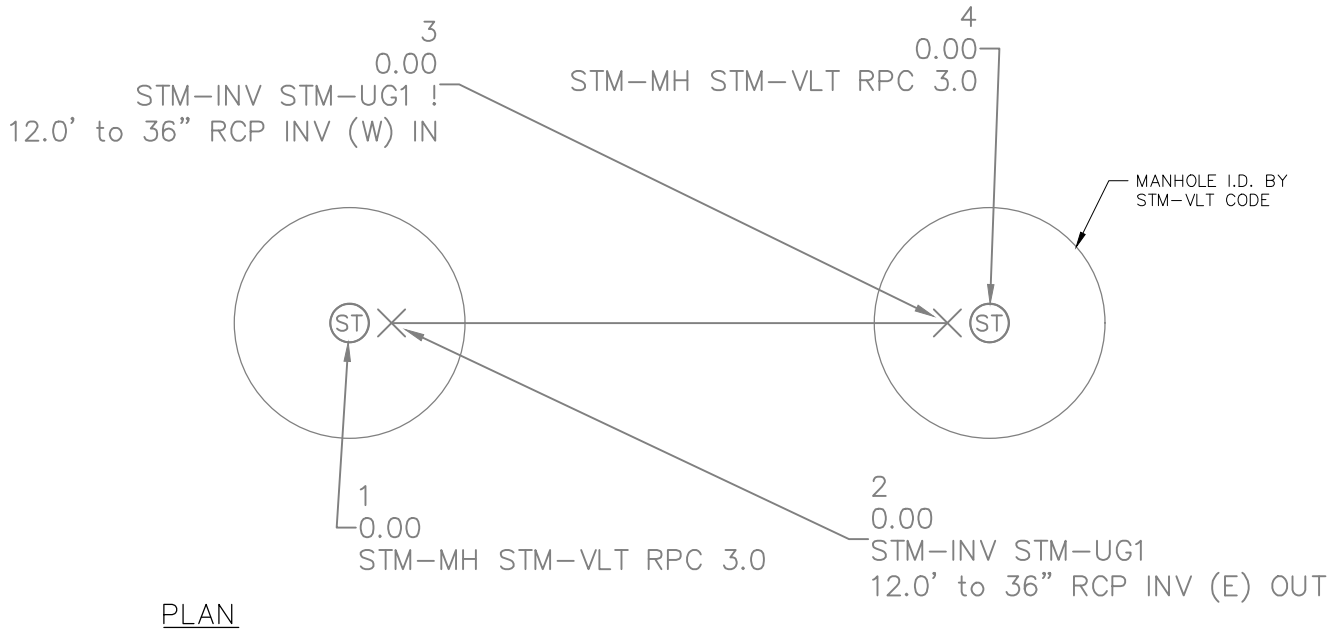
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CODE: STM-VLT

FEATURE DEFINITION: THE PURPOSE OF THE STM-VLT CODE IS IDENTIFICATION OF STORM SEWER MANHOLE INSIDE DIAMETER GEOLOCATION FOR USE IN DESIGN PLAN MAPPING. IF MANHOLE LID/BARREL ARE NOT CONCENTRIC, AN ADDITIONAL OBSERVATION IS REQUIRED AT CENTER OF BARREL.

ATTRIBUTES: N/A

DRAWN BY: X.X.X.

CHKD BY: X.X.X.

APPD BY: X.X.X.

ORIGINATION DATE:

REVISION DATE:

STM-VLT
STANDARD SEWER
MANHOLE COLLECTION



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