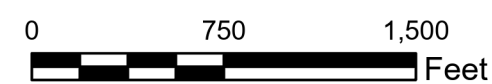


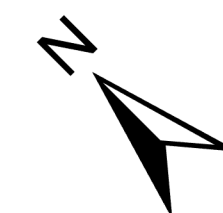


Key Sheet Index



1 Inch = 750 Feet

- STREAMS
- - - SURROUNDS
- PARCEL



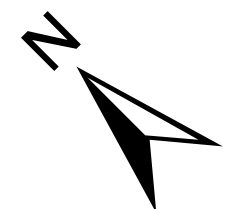
Maplewood Stormwater System
Maplewood Township
 Essex County, New Jersey

Date: March 10, 2020

MC Proj. No.: 19003005A



Sheet 1 of 9



Storm Sewer Assets		Abbreviations for Pipe Material:	
—	Newly Mapped Mains	—	Ductile Iron- DUCTIR
—	Previously Mapped Mains	—	Other- OTH
—	Newly Mapped Catch Basin	—	Steel- STL
—	Previously Mapped Catch Basin	—	Verified Clay- VLY
—	Newly Mapped Open Drain	—	Polyvinyl Chloride- PVC
—	Previously Mapped Open Drain	—	Cast Iron- CST
—	Newly Mapped Field Inlet	—	Clay Tile- CLY
—	Newly Mapped Other	—	High Density Polyethylene- HDP
—	Previously Mapped Roof Drain		
▲	Newly Mapped Discharge Point	●	Newly Mapped Manhole
▲	Previously Mapped Discharge Point	○	Previously Mapped Manhole
■	Newly Mapped Detention Chamber	■	Newly Mapped Detention Chamber
■	Previously Mapped Detention Chamber	■	Previously Mapped Detention Chamber
—	Streams	—	Streams
—	Municipal Boundary	—	Municipal Boundary
—	Parcels	—	Parcels

Invert Elevations given rounded to the nearest hundredth



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Sheet 1

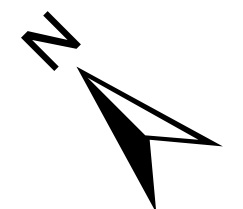
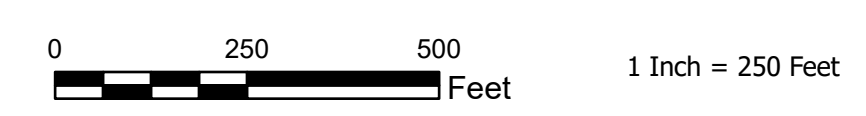
Sheet 3

SOUTH ORANGE VILLAGE

NEWARK CITY



Sheet 2 of 9



Storm Sewer Assets		Abbreviations for Pipe Material:	
▲ Newly Mapped Discharge Point	● Newly Mapped Manhole	DU DUCTIR Ductile Iron	CLY Clay Tile
△ Previously Mapped Discharge Point	○ Previously Mapped Manhole	OTH Other	CLY Cast Iron
— Newly Mapped Mains	▨ Newly Mapped Detention Chamber	RCP Reinforced Concrete	VLY Verified Clay
— Previously Mapped Mains	— Streams	PVC Polyvinyl Chloride	CST Cast Iron
— Newly Mapped Open Drain	— Municipal Boundary	HDP High Density Polyethylene	
— Previously Mapped Open Drain	▭ Parcels		
— Newly Mapped Other			
— Previously Mapped Other			
— Newly Mapped Culvert			
— Previously Mapped Roof Drain			

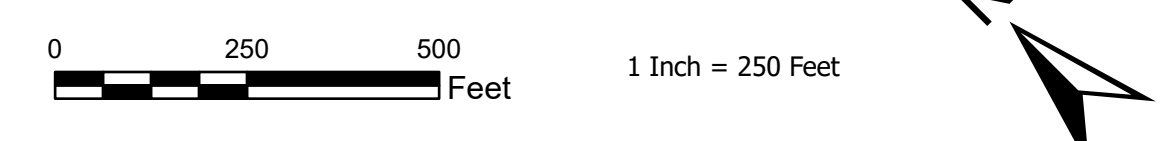
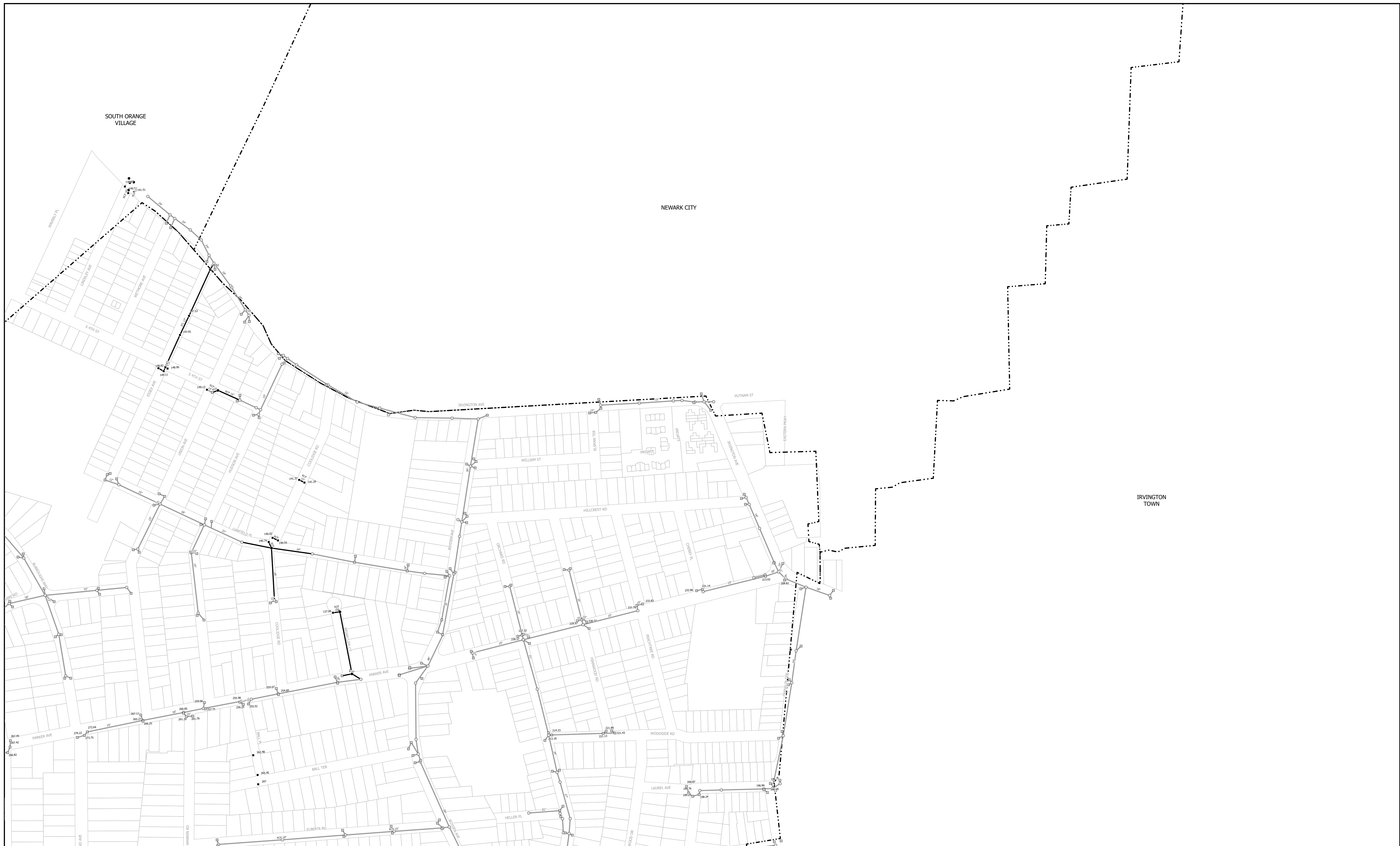
Invert Elevations given rounded to the nearest hundredth



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Storm Sewer Assets		Abbreviations for Pipe Material:	
—	Newly Mapped Mains	○	Ductile Iron- DUCTIR
—	Previously Mapped Mains	○	Other- OTH
—	Newly Mapped Catch Basin	○	Steel- STL
—	Previously Mapped Catch Basin	○	Vitrified Clay- VLY
—	Newly Mapped Open Drain	○	Cast Iron- CST
—	Previously Mapped Open Drain	○	Clay Tile- CLY
—	Newly Mapped Field Inlet	○	
—	Previously Mapped Field Inlet	○	
—	Newly Mapped Other	○	
—	Previously Mapped Other	○	
—	Newly Mapped Culvert	○	
—	Previously Mapped Culvert	○	
▲	Newly Mapped Discharge Point	○	Newly Mapped Manhole
▲	Previously Mapped Discharge Point	○	Previously Mapped Manhole
■	Newly Mapped Catch Basin	□	Newly Mapped Detention Chamber
■	Previously Mapped Catch Basin	□	Previously Mapped Detention Chamber
■	Newly Mapped Field Inlet	—	Streams
■	Previously Mapped Field Inlet	—	Streams
■	Newly Mapped Other	—	Municipal Boundary
■	Previously Mapped Other	—	Municipal Boundary
■	Newly Mapped Roof Drain	□	Parcels
■	Previously Mapped Roof Drain	□	Parcels

Invert Elevations given rounded to the nearest hundredth



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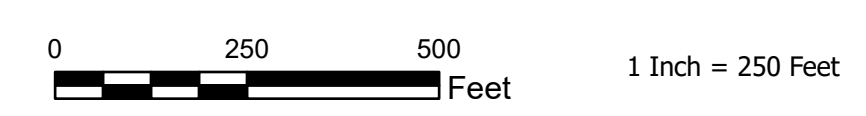
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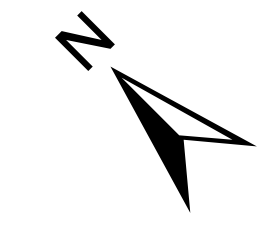
Sheet 4

Sheet 6

Sheet 5 of 9



1 Inch = 250 Feet



Storm Sewer Assets

- Newly Mapped Mains
- Previously Mapped Mains
- Newly Mapped Open Drain
- Previously Mapped Open Drain
- Newly Mapped Other
- Previously Mapped Other
- Newly Mapped Culvert
- Previously Mapped Culvert

Storm Sewer Assets (continued)

- ▲ Newly Mapped Discharge Point
- ▲ Previously Mapped Discharge Point
- Newly Mapped Catch Basin
- Previously Mapped Catch Basin
- Newly Mapped Field Inlet
- Previously Mapped Field Inlet
- Newly Mapped Other
- Previously Mapped Other
- Newly Mapped Roof Drain
- Previously Mapped Roof Drain

Storm Sewer Assets (continued)

- Newly Mapped Manhole
- Previously Mapped Manhole
- ▭ Newly Mapped Detention Chamber
- ▭ Previously Mapped Detention Chamber
- Streams
- Municipal Boundary
- ▭ Parcels

Abbreviations for Pipe Material:

- Reinforced Concrete- RCP
- Polyvinyl Chloride- PVC
- High Density Polyethylene- HDP

Abbreviations for Pipe Material (continued)

- Ductile Iron- DUCTIR
- Other- OTH
- Steel- STL
- Verified Clay- VLY
- Cast Iron- CST
- Clay Tile- CLY

Invert Elevations given rounded to the nearest hundredth



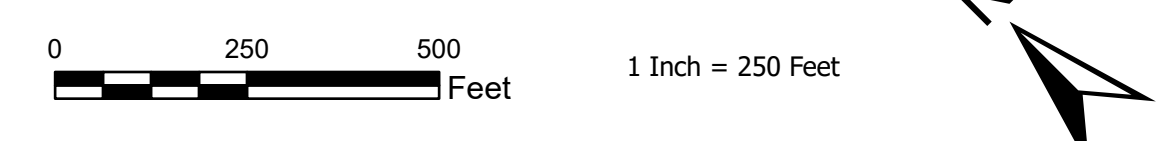
Maplewood Stormwater System
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IRVINGTON TOWN



Storm Sewer Assets		Abbreviations for Pipe Material:	
▲ Newly Mapped Discharge Point	● Newly Mapped Manhole	— Ductile Iron- DUCTIR	— Other- OTH
△ Previously Mapped Discharge Point	○ Previously Mapped Manhole	— Steel- STL	— Vitrified Clay- VLY
— Newly Mapped Mains	▨ Newly Mapped Detention Chamber	— Polyvinyl Chloride- PVC	— Cast Iron- CST
▣ Newly Mapped Catch Basin	— Streams	— High Density Polyethylene- HDP	— Clay Tile- CLY
▢ Previously Mapped Catch Basin	— Municipal Boundary		
— Newly Mapped Open Drain	▣ Municipal Boundary		
▤ Previously Mapped Open Drain	▭ Parcels		
▣ Newly Mapped Field Inlet			
▣ Newly Mapped Other			
▣ Previously Mapped Roof Drain			

Invert Elevations given rounded to the nearest hundredth

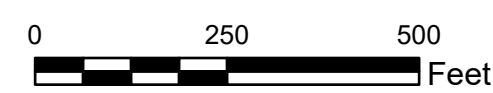


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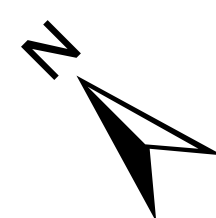


MILLBURN TWP

UNION TWP



1 Inch = 250 Feet



Storm Sewer Assets

- Newly Mapped Mains
- Previously Mapped Mains
- - Newly Mapped Open Drain
- - Previously Mapped Open Drain
- Newly Mapped Culvert
- ▲ Newly Mapped Discharge Point
- △ Previously Mapped Discharge Point
- Newly Mapped Catch Basin
- Previously Mapped Catch Basin
- ▣ Newly Mapped Field Inlet
- Newly Mapped Other
- ⊗ Previously Mapped Roof Drain
- Newly Mapped Manhole
- Previously Mapped Manhole
- ▨ Newly Mapped Detention Chamber
- Streams
- Municipal Boundary
- ▭ Parcels

- Abbreviations for Pipe Material:
 - Reinforced Concrete- RCP
 - Polyvinyl Chloride- PVC
 - High Density Polyethylene- HDP
 - Ductile Iron- DUCTIR
 - Other- OTH
 - Steel- STL
 - Verified Clay- VLY
 - Cast Iron- CST
 - Clay Tile- CLY
- Invert Elevations given rounded to the nearest hundredth



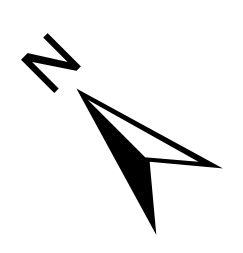
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 Essex County, New Jersey

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UNION TWP



Storm Sewer Assets

- Newly Mapped Mains
- Previously Mapped Mains
- - Newly Mapped Open Drain
- - Previously Mapped Open Drain
- Newly Mapped Culvert
- ▲ Newly Mapped Discharge Point
- ▲ Previously Mapped Discharge Point
- Newly Mapped Catch Basin
- Previously Mapped Catch Basin
- Newly Mapped Field Inlet
- Previously Mapped Other
- ⊗ Previously Mapped Roof Drain
- Newly Mapped Manhole
- Previously Mapped Manhole
- ▭ Newly Mapped Detention Chamber
- ▭ Previously Mapped Detention Chamber
- Streams
- Municipal Boundary
- ▭ Parcels

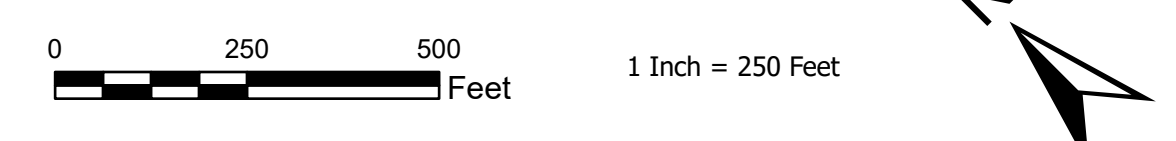
- Abbreviations for Pipe Material:
- Reinforced Concrete- RCP
 - Polyvinyl Chloride- PVC
 - High Density Polyethylene- HDP
 - Ductile Iron- DUCTIR
 - Other- OTH
 - Steel- STL
 - Verified Clay- VLY
 - Cast Iron- CST
 - Clay Tile- CLY
- Invert Elevations given rounded to the nearest hundredth





IRVINGTON TOWN

UNION TWP



Storm Sewer Assets		▲ Newly Mapped Discharge Point	● Newly Mapped Manhole	Abbreviations for Pipe Material: Reinforced Concrete- RCP Polyvinyl Chloride- PVC High Density Polyethylene- HDP	Ductile Iron- DUCTIR Other- OTH Steel- STL Vitrified Clay- VLY Cast Iron- CST Clay Tile- CLY
— Newly Mapped Mains	△ Previously Mapped Discharge Point	○ Previously Mapped Manhole	● Newly Mapped Manhole		
■ Newly Mapped Catch Basin	▣ Newly Mapped Catch Basin	▩ Newly Mapped Detention Chamber	▩ Newly Mapped Detention Chamber		
- - Newly Mapped Open Drain	▣ Previously Mapped Catch Basin	— Streams	— Streams		
- - - Previously Mapped Open Drain	▣ Newly Mapped Field Inlet	— Municipal Boundary	— Municipal Boundary		
▣ Newly Mapped Other	▣ Newly Mapped Field Inlet	▣ Municipal Boundary	▣ Municipal Boundary		
▣ Newly Mapped Roof Drain	▣ Previously Mapped Roof Drain	▣ Parcels	▣ Parcels		

Invert Elevations given rounded to the nearest hundredth

