

CITY OF IRONWOOD



IRONWOOD
MICHIGAN | *Find Your North*

March 2024

2024 Street Improvements

TABLE OF CONTENTS

<u>SECTION</u>	<u>DESCRIPTION</u>	<u>PAGE NO.</u>
	Bid Advertisement	3
A	Special Provisions	4-5
B	Bid Requirements	6-7
C	Insurance	8
D	Construction Specifications	9
E	Bid Form	10-11
	Map 1	12
	Map 2	13
	Quantity Calc Sheet	14
	Storm Design Sheet	15
	Structure Cut Sheets	16-23
	Storm Structure Information	24

BID ADVERTISEMENT

The City of Ironwood is soliciting bids for the 2024 Street Improvements.

The Ironwood City Clerk in the Memorial Building, Ironwood, Michigan 49938, will receive sealed offers until 10:00 A.M. C.S.T. Wednesday, April 3, 2024, at which time the bids shall be read aloud.

Bid Documents may be obtained from the City Clerk, Memorial Building, Ironwood, Michigan 49938 or by visiting www.ironwoodmi.gov/government/projects.

The City reserves the right to accept or reject any and all bids.

Jennifer L. Jacobson
City Clerk

Legal Ad

Please Run: March 14th, 2024

SECTION A - SPECIAL PROVISIONS

1. Underground Utilities

- (a) For protection of underground utilities and in conformance with Public Act 53, 1974, the Contractor shall call 1-800-482-7171 a minimum of three full working days, excluding Saturdays, Sundays and Holidays prior to beginning each excavation in areas where public utilities have not been previously located. Members will thus be routinely notified. This does not relieve the Contractor of the responsibility of notifying utility owners who may not be part of the “Miss Dig” alert system.

3. Construction Coordination / Permits

- (a) Construction will need to be coordinated with the City of Ironwood Engineering Department.
- (b) The City will be responsible for obtaining the necessary permits from the County.

4. Requirements for Performance Security and Payment Security

- (a) The successful bidder, at the execution of the contract, shall furnish security to guarantee faithful performance of the contract in the amount of 100% of the total contract price.
- (b) The successful bidder shall also furnish security to guarantee payment to all persons supplying labor or materials in the performance of the contract in the amount of 100% of the total contract price.
- (c) Security may be in the form of a performance bond and payment bonds, postal money order, certified check or cashier’s check.
- (d) Upon completion of the project the contractor shall provide lien waivers from all contractors and suppliers.
- (e) A 5% Bid Bond shall be provided with the submittal of the bid.

5. Commencement, Execution and Completion of Work

- (a) The contractor can commence work under this Contract any time after the contract is executed and road restrictions are off.
- (b) Execute the work diligently.
- (c) Working hours are between 7:00 A.M. and 9:00 P.M.
- (d) A construction Schedule shall be provided and approved by a City Representative.
- (e) Work on Saturday's or Sunday's will be allowed w/ prior approval in advance by a City Representative.

6. Failure to Complete Work Within Contract Time

Construction shall be fully completed by Friday, October 25, 2024. If the Contractor fails to prosecute the work, or any separate part thereof with such diligence as will ensure its completion within the time specified in this contract, fixed and agreed Liquidate Damages will be assessed for each calendar day of delay until the work is completed and accepted. Liquidate Damages equal \$250 / Calendar Day.

7. Warranty / Defects

The Contractor shall be responsible for any and all defects that may develop in any part of the entire work or installation furnished by him/her. Upon written notice of the City of Ironwood, the contractor shall immediately replace and make good, without expense to the owner, any faulty part, material, or workmanship. A one-year warranty shall be provided by the contractor. The warranty shall start from the date the final payment is made.

SECTION B – BIDDING REQUIREMENTS, CONDITIONS
AND CONTRACT ADMINISTRATION

C-1. Competency of Bidders

- (a) The City Manager reserves the right to select bidders and may refuse to issue a proposal to any individual, partnership, firm or corporation based upon but not limited to one or more of the following facts:
 - (1) For having defaulted on previous contracts.
 - (2) For having performed similar work in an unsatisfactory manner.
 - (3) When in the City Manager’s judgment, the bidder does not have the required experience in the class of work bid on, fails to have the proper labor and equipment, or fails to have sufficient capital or quick asset to finance the work.

C-2. Interpretation of estimates, Specifications, Special Provisions and Site of Work

- (4) The quantities on the proposal are approximate only and given as a basis to compare bids. The City does not assume any responsibility that these quantities will remain unchanged in actual construction. The bidder is required to carefully examine the site of work, plans, specifications, and contract form for the proposed work. It will be assumed that he has judged for and satisfied himself as to the conditions to be encountered, as in the work, materials furnished, and in the above documents. The bidder is assumed to have familiarized himself with the Federal, State, and local laws which may affect the work, workers. Or materials furnished.

C-3. Delivery of Proposal

- (a) Each proposal must be submitted in a sealed envelope with the bidder’s name and address on the outside of the envelope. All proposals must be received on or before the hour stated in the advertisement. More than one proposal for the same project from an individual, partnership, firm, or corporation will not be considered. Emailed Bids are accepted to clerk@ironwoodmi.gov

C-4. Public Opening of Proposals

- (a) Proposals will be opened publicly and read aloud at the hour, date, and place set in the advertisement.

C-5. Execution of Contract

- (a) Contractor shall start work within five (5) days after receiving Notice of Award and Notice to Proceed. Notice to Proceed will be in the form of a City of Ironwood Purchase Order.
- (b) Project shall be completed by October 25, 2024.

C-6. Contract Administration

- (a) Paul Anderson, P.E., City Manager
Office: (906) 932-5050 ext. 116
Cell: (906) 285-1376
andersonp@ironwoodmi.gov

C-7. Retainage

- (a) A five (5) percent retainage shall be withheld on all contract payments. The five percent retainage shall be paid upon final acceptance by the City of Ironwood of all work performed under this contract.

SECTION C – INSURANCE

D-1 Insurance

- (5) Workmen’s Compensation Insurance – The Contractor, prior to the execution of the Contract, shall file a certification that the Contractor carries Worker’s Compensation Insurance.

- (6) Bodily Injury and Property Damage Insurance – The Contractor prior to execution of the Contract shall file with the City of Ironwood copies of completed certificates of insurance, as evidence that the Contractor carries adequate insurance to afford protection against all claims for damages to public or private property and injuries to person, arising out of and during the progress of work. The minimum limits of insurance shall be as follows:
 - (7) General Liability
 - Bodily Injury and Property Damage Liability:
 - Each Occurrence \$1,000,000
 - Aggregate... \$2,000,000

 - (2) Automobile Liability Insurance (Comprehensive Form)
 - Bodily Injury Liability:
 - Each Person..... \$ 500,000
 - Each Occurrence \$1,000,000

 - Property Damage Liability:
 - Each Occurrence \$1,000,000

 - Combined Single Limit for Bodily Injury and Property Damage Liability:
 - Each Occurrence \$2,000,000

- (8) The requirements for 1 and 2 above, may be met through an Umbrella policy.

- (9) Owners Protective Liability. Bodily injury and property damage protection, including general supervision of work performed, shall be extended to the City of Ironwood employees and agents. The minimum limit shall be \$1,000,000.

Section D – Construction Specifications

All work shall be in accordance with the

MDOT 2020 Standard Specifications for Construction

Any work not covered by the MDOT Specifications shall be discussed with the City Engineer for clarification.

SECTION E – BID FORM

2024 Street Improvements

Base Bid

Clemens Street

			Unit Price	Cost
MOBILIZATION	1	LS		
Sawcut	767	LF		
Shoulder Gravel, 2 ft width, 6" depth	404	SY		
PAVT, REM	2148	SY		
Storm Structure Removal	9	EA		
Storm Pipe Removal	1160	LF		
6" Aggregate Base Course	2148	SY		
Restoration of areas outside of shoulder: topsoil, seed, mulch	609	SY		
Excavation (remove and dispose of existing material)	684	CY		
Breaker Run	326	CY		
Underdrain: 4" (includes tie in to catch basin)	315	LF		
HMA, 4EL (3" thick)	354.4	Tons		
4" Pavg Mrkg Regular Dry, 4 inch (double yellow= project length * 2)	2194	LF		
18" RCP Storm Pipe	1125.2	LF		
12" RCP Storm Pipe	35	LF		
Storm Structure Includes Castings (See cutsheets for info)	8.0	Each		
Extend Existing 12"CMP at Structure 4835 12' to the West	12	LF		
Remove Sidewalk west of Structure 4835	360	SF		
Ditching West of Structure 4835: includes excavation and material disposal and EMAT installation	80	LF		
Excavation: Dig out outlet of pipe at 6883	15	CY		
RIP RAP outlet of pipe at 6883: 5x20x1.5 feet of 8-12" Angular Rock. Includes fabric	5.6	CY		
Maintaining Traffic	1	LS		
Base Bid Subtotal				

Bid Alternate 1

Memorial Building Overflow Parking Lot

			Unit Price	Cost
MOBILIZATION	1	LS		
Sawcut	100	LF		
PAVT, REM	137.8	SY		
Excavate 6"	23.0	CY		
6" Aggregate Base Course	137.8	SY		
Restoration of areas outside of shoulder: topsoil, seed, mulch	55.6	SY		
HMA, 4EL(3"@40'x62')	45.5	Tons		
4" Pavg Mrkg Regular Dry, 4 inch	100	LF		
			Bid Alternate 1 Subtotal	

Base Bid \$ _____

Bid Alternate 1 \$ _____

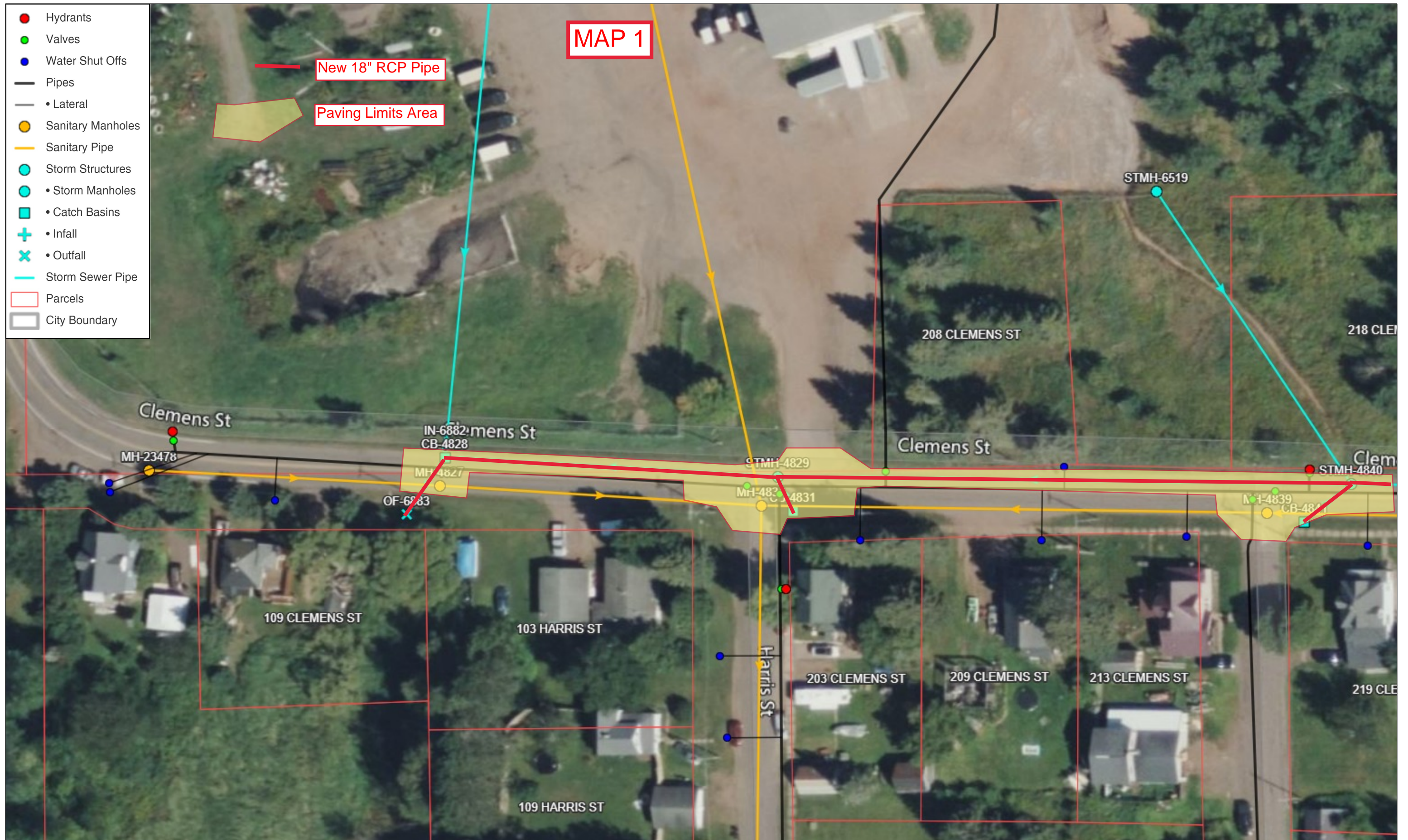
Basis of Award: One contract will be awarded to the lowest responsive and responsible bidder. City reserves to right to determine low price based off of the Base Bid or the Base Bid plus the Bid Alternate 1: depending on what is most advantageous to our available funds.

Firm Name: _____ Signature: _____

Address: _____ Title: _____

Email: _____ Date: _____

Telephone No. _____



MAP 1

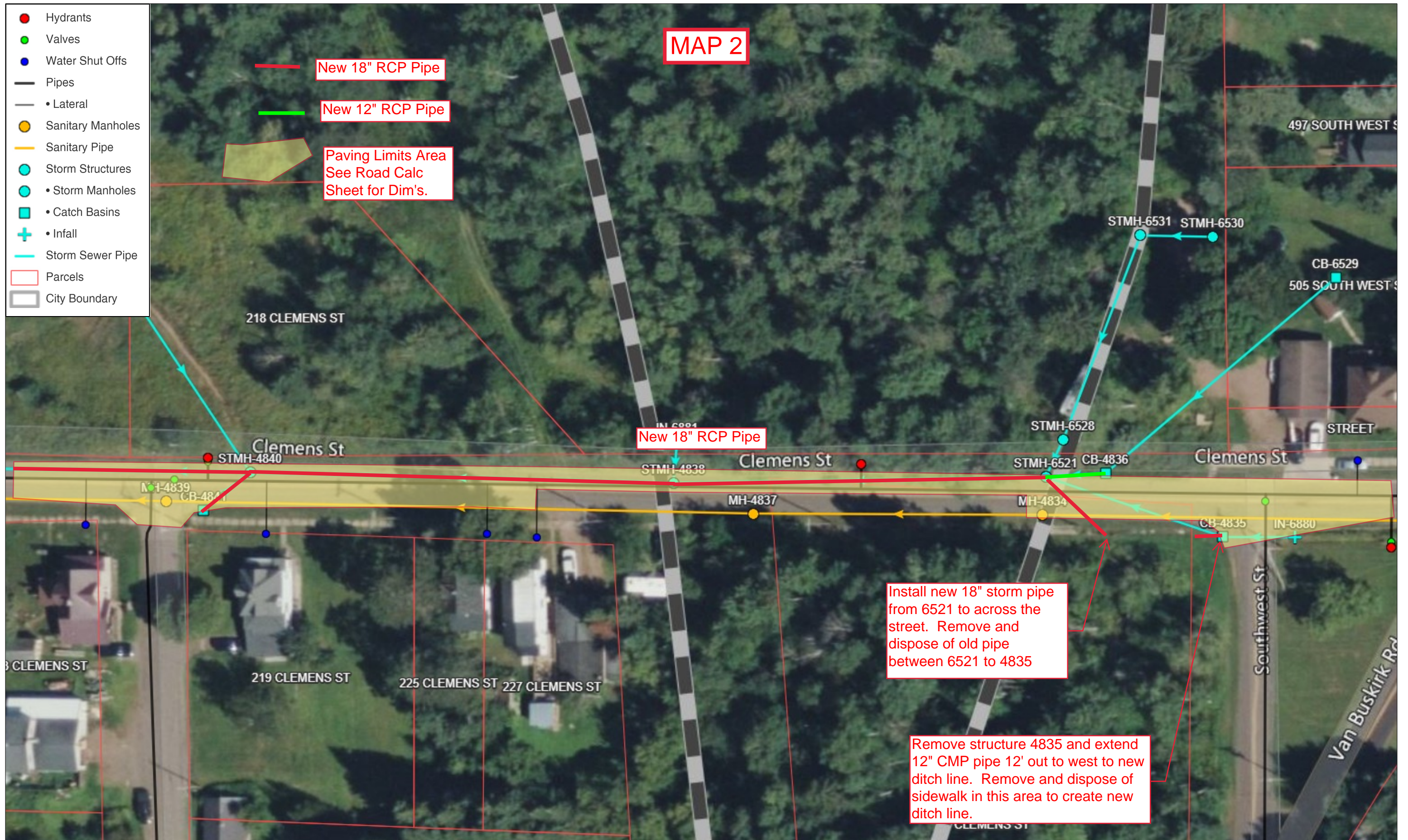
New 18" RCP Pipe

Paving Limits Area

- Hydrants
- Valves
- Water Shut Offs
- Pipes
- • Lateral
- Sanitary Manholes
- Sanitary Pipe
- Storm Structures
- • Storm Manholes
- • Catch Basins
- + • Infall
- x • Outfall
- Storm Sewer Pipe
- ▭ Parcels
- ▭ City Boundary

50 FT (1:600) ▲ N

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MAP 2

New 18" RCP Pipe

New 12" RCP Pipe

Paving Limits Area
See Road Calc
Sheet for Dim's.

New 18" RCP Pipe

Install new 18" storm pipe from 6521 to across the street. Remove and dispose of old pipe between 6521 to 4835

Remove structure 4835 and extend 12" CMP pipe 12' out to west to new ditch line. Remove and dispose of sidewalk in this area to create new ditch line.

50 FT (1:600) ▲ N

This map and/or information is for reference use only and is not to be used for legal survey or engineering purposes. Printed from ColligoGIS.com

Road Calc Sheet

20	road width	
2	deep excavation (in addition to normal)	
0.5	normal excavation	

			Sawcut	Pavt Rem	Excavation (Deep)	Excavation (normal)	Breaker Run	Underdrain	Agg Base	HMA	Shoulder Gravel
			LF	SY	CY	CY	CY	LF	SY	TONS	SY
West End Storm Xing	20	full width	30	44		7			44	7.3	9
Section to Harris St	165	1/2 width	165	183		31			183	30.3	37
Harris St Intersection (all bad subgrade)	80	full width	20	211	141	35	141	80	211	34.8	36
Harris St to Smith St	200	1/2 width	200	222		37			222	36.7	44
E of Smith St (1/2 bad subgrade)	235	full width	20	556	185	93	185	235	556	91.7	104
E of Smith St to 4838	85	1/2 width	85	94		16			94	15.6	19
4838 to 6521	187	1/2 width	187	208		35			208	34.3	42
6521 to 4835	125	full width	30	278		46			278	45.8	56
4835 to intersection of Southwest	130	full width	30	351		59			351	57.9	58
			767	2148	326	358	326	315	2148	354.4	404

Storm Sewer Design Sheet

Proposed

	6883		4828		4829		4840		4838		6521		4835-New FES		4836
Length Pipe		39.8		192		330		244		215		48		35	
Size Pipe		1.5		1.5		1.5		1.5		1.5		1.5		1	
Slope		0.3%		0.3%		0.3%		1.0%		3.3%		1.0%		1.0%	
Inv Out	1542.43		1542.55		1543.33		1544.52		1547.16		1554.47		1556.55		1556.42
Inv In			1542.75		1543.53		1544.72		1547.36		1556.07				
RIM			1545.63		1547.16		1548.27		1552.92		1560.37				1558.04
Depth RIM-Inv In			2.88		3.63		3.55		5.56		4.30				1.62
Cover Over Pipe			1.18		1.93		1.85		3.86		2.60				0.42

	4841		4840
		35	
		1.5	
		1.0%	
	1544.37		1544.52
			1544.72
	1548.09		1548.27
	3.72		

	4831		4829
		21.4	
		1.5	
		1.0%	
	1543.31		1543.33
			1543.53
	1548.09		1547.16
	4.78		

Existing

	6883		4828		4829		4840		4838		6521		4835
		in is 27 hdpe		in is 21 clay		out is 15RCP		in is 18RCP		out is 18VCP		Out 12PVC	
				out is 21 clay		in is 15RCP		out is 18RCP		in is 12PVC		In 12CMP	
Length Pipe		39.8		192		330		244		215		108	
Size Pipe		1.75		2.25		1.5		1.3		1.5		1	
Slope		0.5%		0.4%		0.6%		0.9%		3.3%		0.7%	
Inv Out	1541.59		1541.78		1542.66		1544.87		1547.17		1554.47		1556.78
Inv In			1541.93		1542.76		1544.87		1547.42		1556.07		1558.03
Meas Out			3.85		4.50		3.40		5.75		5.90		3.60
Meas In			3.70		4.40		3.40		5.50		4.30		2.35
RIM			1545.63		1547.16		1548.27		1552.92		1560.37		1560.38
Depth RIM-Inv In			3.70		4.40		3.40		5.50		4.30		2.35
Cover Over Pipe			1.75		1.95		1.70		3.97		2.60		1.15

	4841		4840
		35	
		1	
		9.2%	
	1546.59		1544.87
	1548.09		1544.87
	1.5		3.40
			3.40
	1548.09		1548.27
	1.50		

	4831		4829
		21.4	
		1	
		25.4%	
	1546.74		1542.66
	1548.09		1542.76
	1.35		4.50
			4.40
	1548.09		1547.16
	1.35		

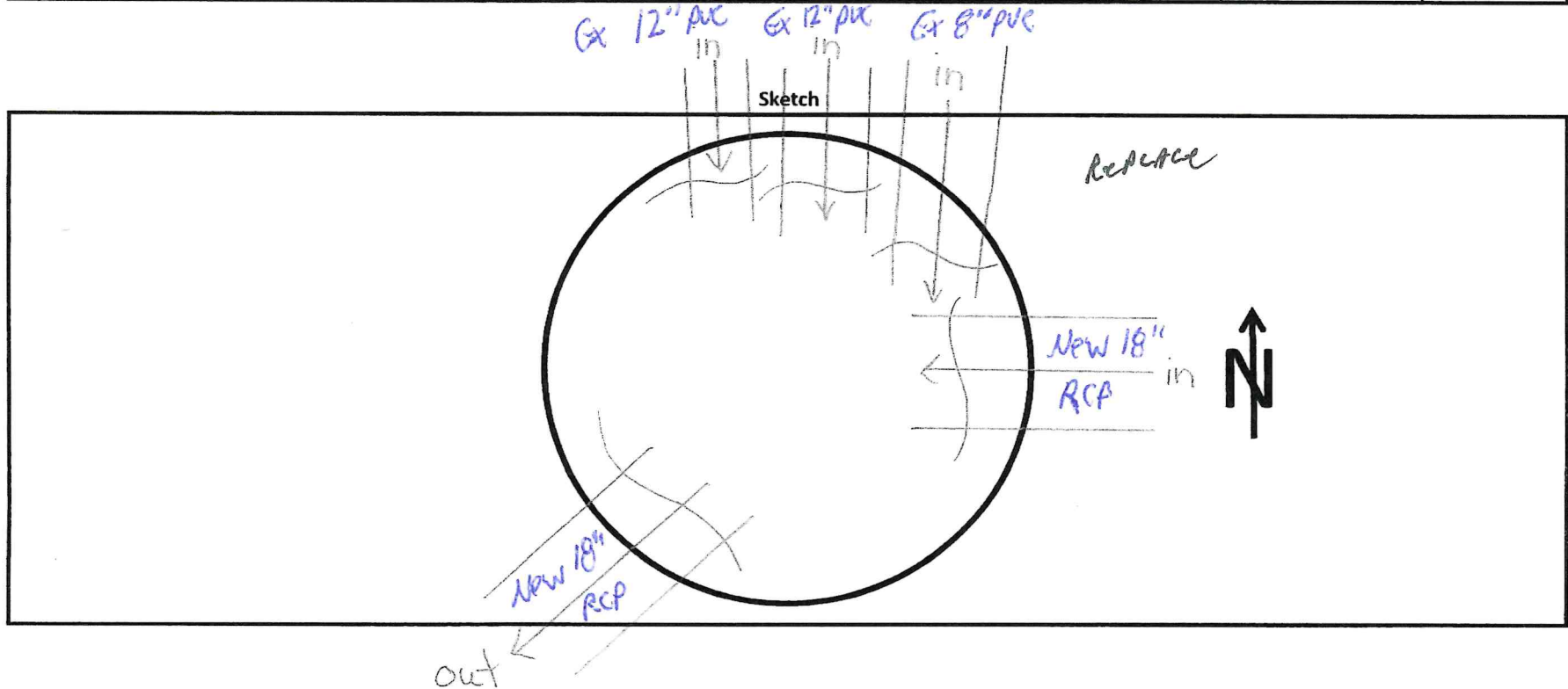
Structure Cutsheets

Manhole Number:

4828

See Design

	Inverts	Size	Material	Direction	In/Out	Rim to Invert	Elevation
Invert 1	Ex	12"	PVC	N	In	3.95'	?
Invert 2	Ex	12"	PVC	N	In	3.95'	?
Invert 3	New	18" 21"	HDP RCP	E	In	3.7'	?
Invert 4	Ex	8"	PVC	N	In	2.5'	?
Invert 5	New	18" 21"	HDP RCP	SW	Out	3.85' ✓	
Invert 6							
Invert 7							



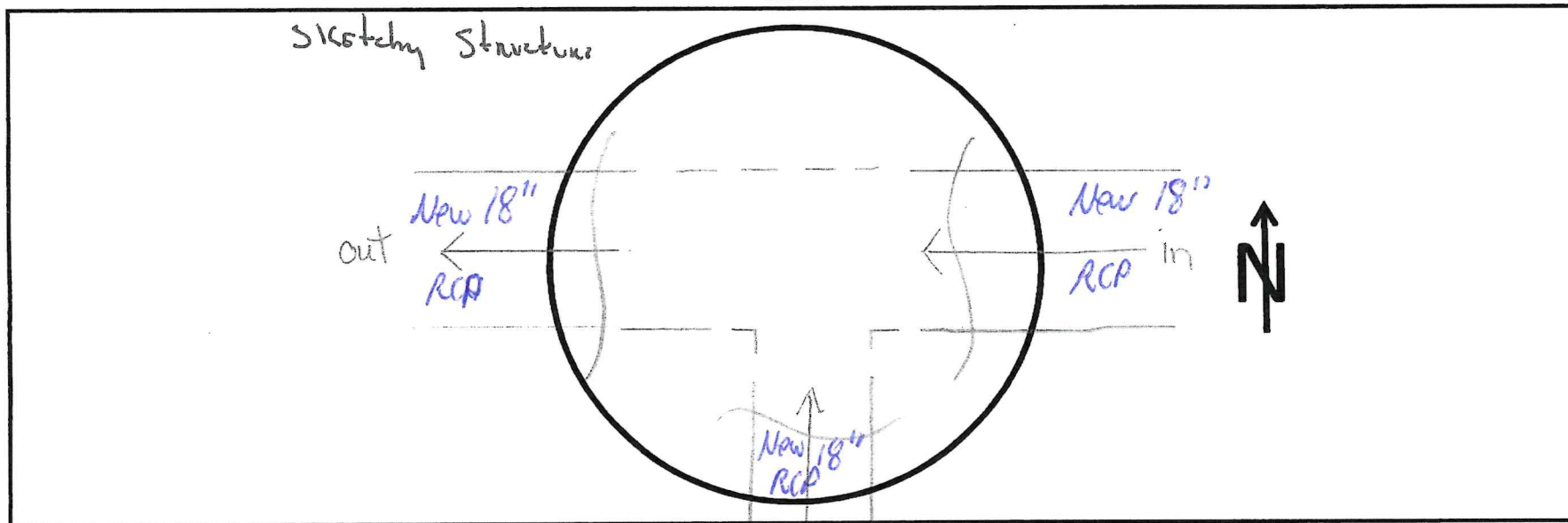
Manhole Number:

4829

See Design

Inverts	Size	Material	Direction	In/Out	Rim to Invert	Elevation
Invert 1	New 18" 21" ✓	clay RCP	E	In	4.45'	4.18
Invert 2	New 18" 12" ✓	RCP RCP	S	In	4.3'	4.40
Invert 3	New 18" 21" ✓	clay RCP	W	Out	4.5'	4.32
Invert 4						
Invert 5						
Invert 6						
Invert 7						

Sketch

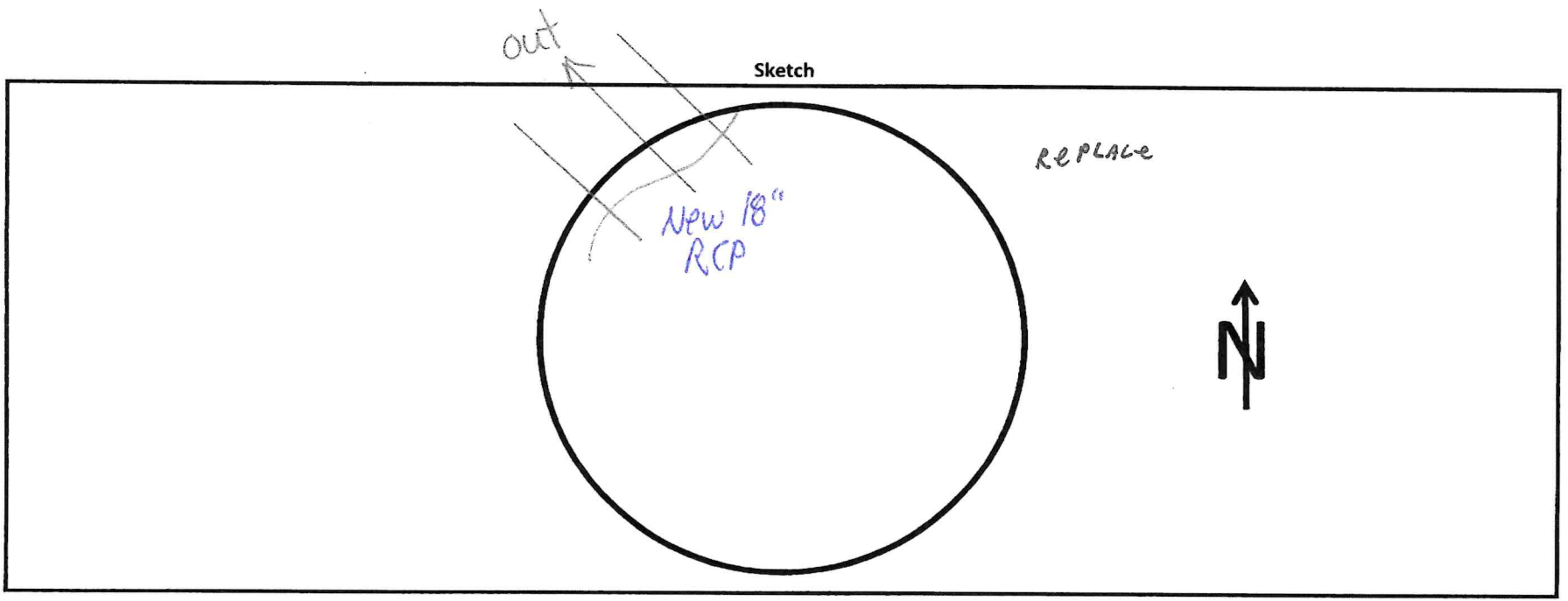


Manhole Number:

4831

See Design

Inverts	Size	Material	Direction	In/Out	Rim to Invert	Elevation
Invert 1	<i>New 18" 10" ✓</i>	<i>HDPE RCP</i>	<i>NW</i>	<i>Out</i>	<i>1.35' ✓</i>	
Invert 2						
Invert 3						
Invert 4						
Invert 5						
Invert 6						
Invert 7						

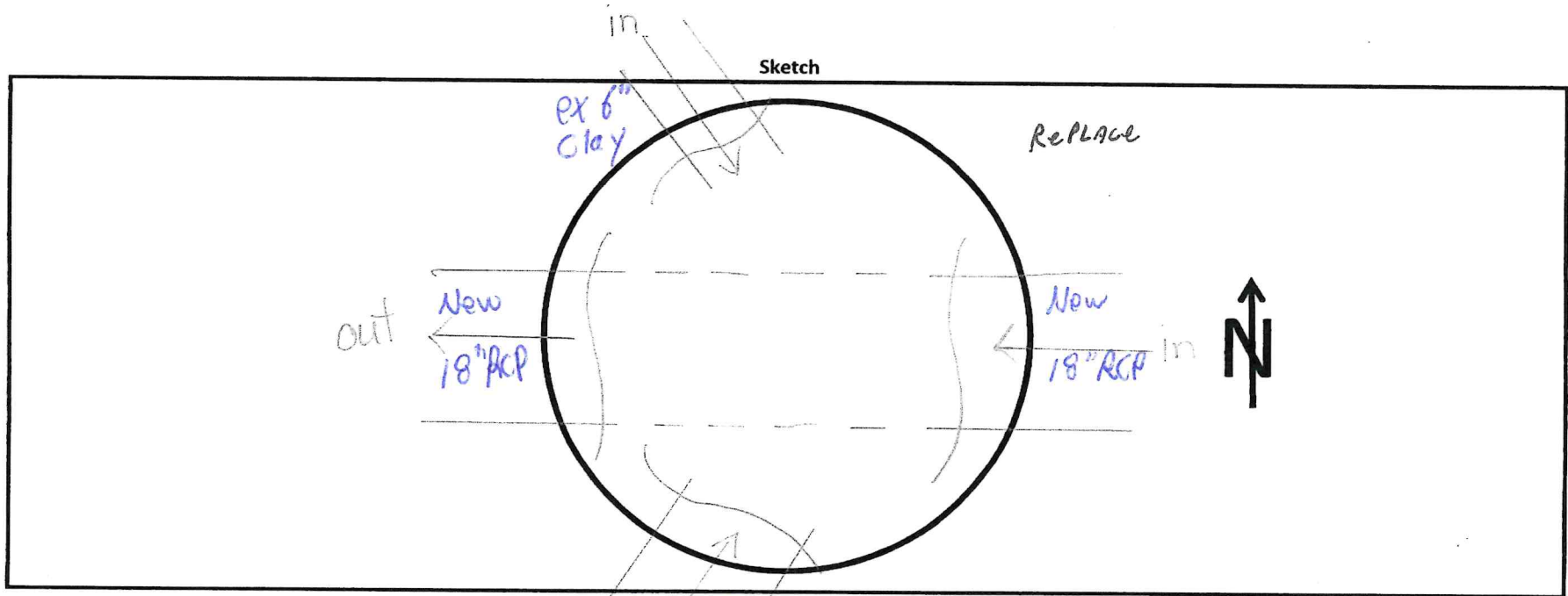


Manhole Number:

4840

See Design Sheet

Inverts	Size	Material	Direction	In/Out	Rim to Invert	Elevation
Invert 1	New 18" 15" ✓	RCP	E	In	3.0'	
Invert 2	Existing 6" ✓	clay	NW	In	2.05'	
Invert 3	New 18" 12" ✓	RCP	SW	In	2.45'	
Invert 4	New 18" 15" ✓	RCP	W	Out	3.0'	
Invert 5						
Invert 6						
Invert 7						

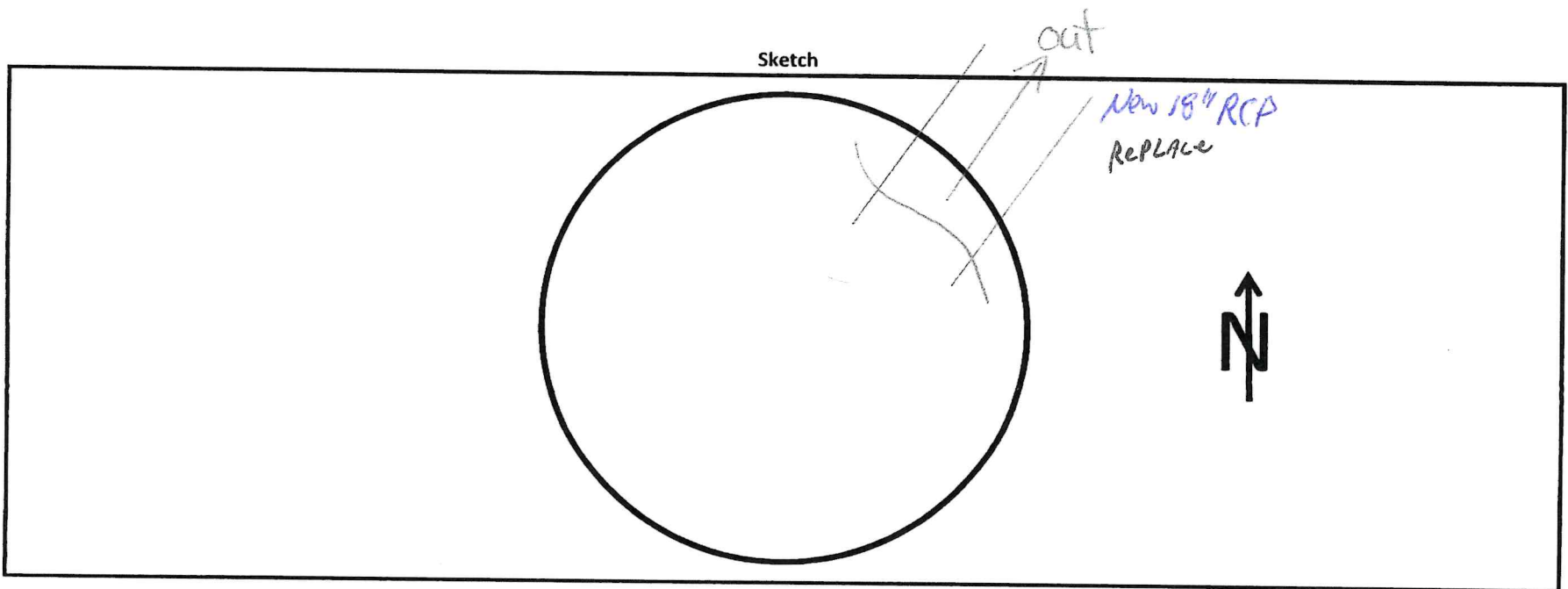


Manhole Number:

4841

*See Design
1.04*

Inverts	Size	Material	Direction	In/Out	Rim to Invert	Elevation
Invert 1	<i>New</i> 18" X 2" ✓	PVC RCP	NE	Out	1.5'	
Invert 2						
Invert 3						
Invert 4						
Invert 5						
Invert 6						
Invert 7						

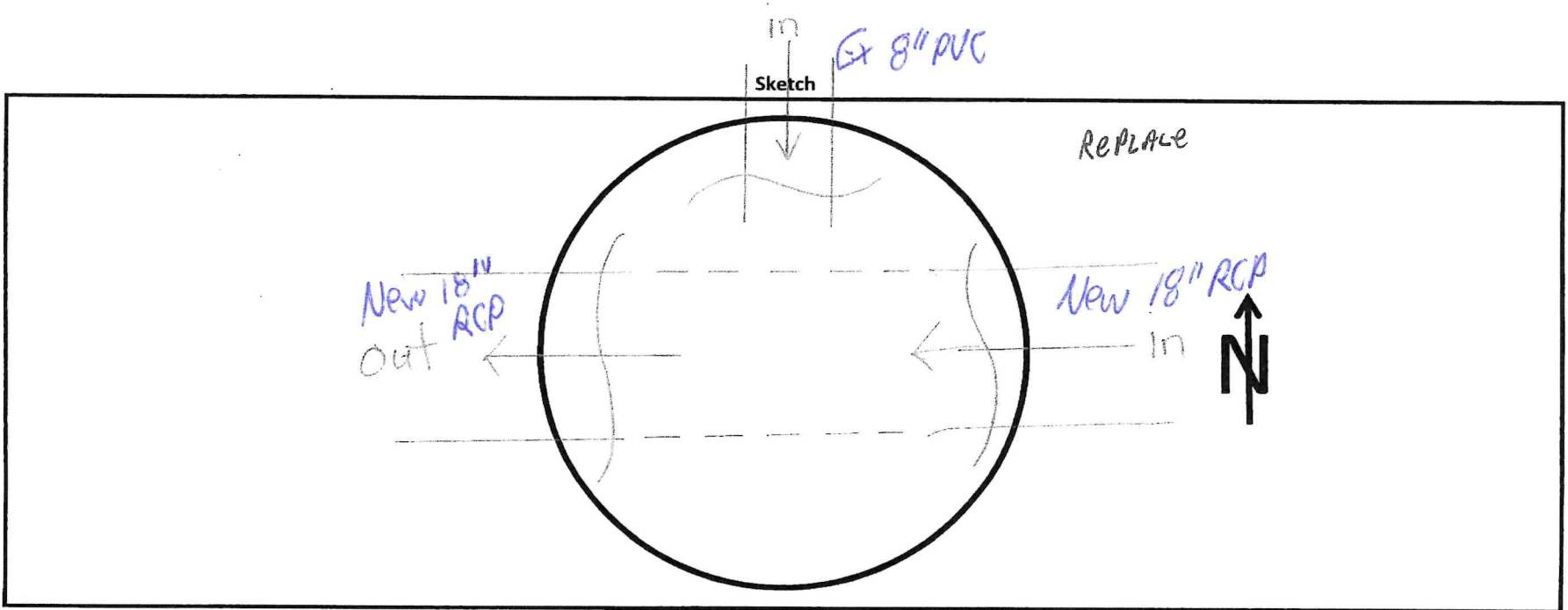


Manhole Number:

4838

See Design

Inverts	Size	Material	Direction	In/Out	Rim to Invert	Elevation
Invert 1	<i>New</i> 18" ✓	<i>RCP</i>	<i>E</i>	<i>In</i>	<i>5.5'</i> ✓	
Invert 2	<i>Existing</i> 8" ✓	<i>PVC</i>	<i>N</i>	<i>In</i>	<i>4.1'</i> ✓	
Invert 3	<i>New</i> 18" ✓	<i>RCP</i>	<i>W</i>	<i>Out</i>	<i>5.75'</i> ✓	
Invert 4						
Invert 5						
Invert 6						
Invert 7						

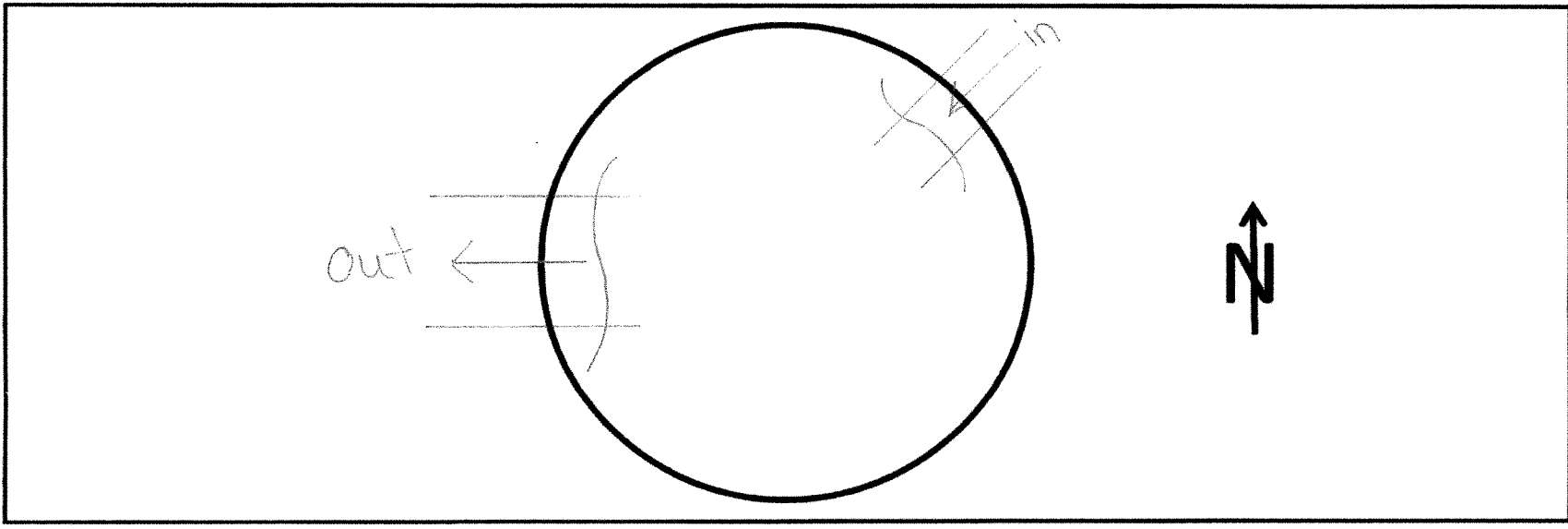


Manhole Number: 4836

See Design

Inverts	Size	Material	Direction	In/Out	Rim to Invert	Elevation
Invert 1	6"	PVC	NE	In	1.5'	
Invert 2	12"	RCP	W	Out	1.35'	
Invert 3						
Invert 4						
Invert 5						
Invert 6						
Invert 7						

Sketch

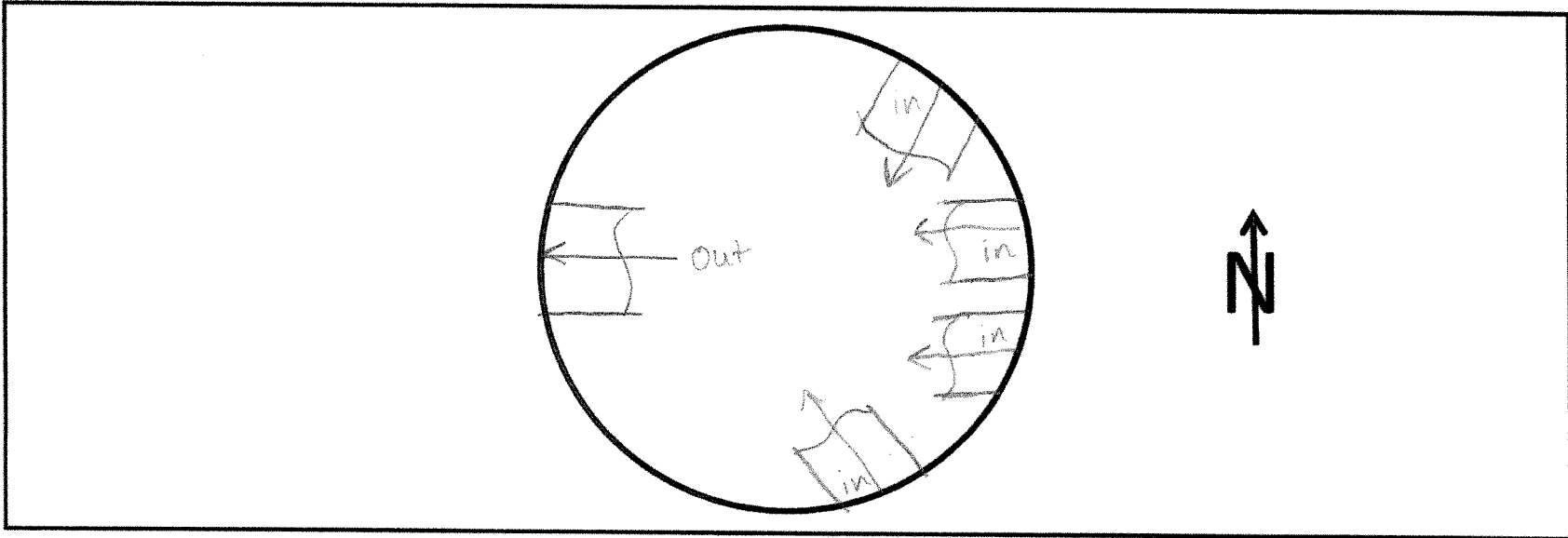


Manhole Number: 6521

See Design

Inverts	Size	Material	Direction	In/Out	Rim to Invert	Elevation
Invert 1	18"	PVC-Existing	NE	In	6.0'	
Invert 2	12"	PVC RCP New	E	In	4.3'	
Invert 3	12" 18"	PVC RCP New	SE	In	4.7'	
Invert 4	6"	VCP existing	E	In	5.2'	
Invert 5	18"	VCP RCP New	W	Out	5.9'	
Invert 6						
Invert 7						

Sketch



Storm Structure Design Info

		Direction	Size & Type
Structure #	4828		
Casting Type	Open Grate		
RIM	1545.63		
Inv Out	1542.55	SW	18" RCP New
Inv In	1542.75	E	18" RCP New
Inv In	1541.68	N	12" PVC existing
Inv In	1543.13	N	8" PVC existing
Inv In	1541.68	N	12" PVC existing
Bottom Sump	1540.68		
Depth Structure	4.95		

		Direction	Size & Type
Structure #	4829		
Casting Type	Open Grate		
RIM	1547.16		
Inv Out	1543.33	W	18" RCP New
Inv In	1543.53	E	18" RCP New
Inv In	1543.53	S	18" RCP New
Bottom Sump	1542.33		
Depth Structure	4.83		

		Direction	Size & Type
Structure #	4840		
Casting Type	Open Grate		
RIM	1548.27		
Inv Out	1544.52	W	18" RCP New
Inv In	1544.72	E	18" RCP New
Inv In	1544.72	SW	18" RCP New
Inv In	1546.22	NW	6" Clay Existing
Bottom Sump	1543.52		
Depth Structure	4.75		

		Direction	Size & Type
Structure #	4838		
Casting Type	Standard MH Cover		
RIM	1552.92		
Inv Out	1547.16	W	18" RCP New
Inv In	1547.36	E	18" RCP New
Inv In	1548.82	N	8" PVC existing
Bottom Sump	1546.16		
Depth Structure	6.76		

		Direction	Size & Type
Structure #	6521		
Casting Type	Standard MH Cover		
RIM	1560.37		
Inv Out	1554.47	W	18" RCP New
Inv In	1556.07	E	12" RCP New
Inv In	1554.37	NE	18" PVC existing
Inv In	1555.67	SE	18" RCP New
Inv In	1555.17	E	6" VCP existing
Bottom Sump	1553.47		
Depth Structure	6.90		

		Direction	Size & Type
Structure #	4841		
Casting Type	Open Grate		
RIM	1548.09		
Inv Out	1544.37	NE	18" RCP New
Bottom Sump	1543.37		
Depth Structure	4.72		

		Direction	Size & Type
Structure #	4831		
Casting Type	Open Grate		
RIM	1548.09		
Inv Out	1543.31	NW	18" RCP New
Bottom Sump	1542.31		
Depth Structure	5.78		

		Direction	Size & Type
Structure #	4836		
Casting Type	Behive		
RIM	1558.04		
Inv Out	1556.42	W	12" RCP New
Inv In	1556.54	NE	6" PVC Existing
Bottom Sump	1555.42		
Depth Structure	2.62		