



**US Army Corps
of Engineers ®**

Site Visit Summary

Name of System: Gary

Name of Segment: Gary Burr St

NLD System ID: 2605000003 NLD Segment ID: 2604000005

Segment Type: USACE Federally constructed, turned over to public sponsor for operations and maintenance

Levee Sponsor (Name and Organization): Little Calumet River Basin Development Commission

Field Trip Report Prepared by: Chris Schaal Date of Site Visit: 04/08/2024 - 04/10/2024

Field Trip Report Prepared by: Mike Cook

Field Trip Report Prepared by: Brian Sweeney

Other Segments Within This System

Segment Name	NLD Segment ID#	Segment Type
Gary Ironwood	2604000039	USACE Constructed, Public sponsor O&M
NPS - Gary North Railroad Tieback	2604000017	Non-Federally Constructed, local O&M
NPS - Martin Luther King Drive	2604000019	Non-Federally Constructed, local O&M
INDOT	2604000015	Non-Federally Constructed, local O&M
Gary South	2604000004	USACE Constructed, Public sponsor O&M
Gary North	2604000003	USACE Constructed, Public sponsor O&M

Site Visit - Team Members (Levee Sponsor, USACE, and others)

Name	Organization	Discipline	Phone Number
Yuki Galisanao	USACE - Chicago District		
Chris Schaal	USACE - Chicago District		
Mike Cook	USACE - Chicago District	Geotech	
Youa Yang	USACE - Chicago District		
Brian Sweeney	USACE - Chicago District	Geotech	

Colin Smalley	USACE	Regulatory	
Kaitlyn Wesolowski	USACE	H&H	
Art Rundzaitis	USACE	Construction	
Alan Jaski	USACE	Electrical	
Kiril Zumbulev	USACE	Mechanical	
Andrew Lin	USACE	Structural	
Symeon Coleman	1st Response		
Terry Sallae	1st Response		
Jim T Harris	1st response		
Terry Saller	1st response		
Adam McClade	TOG		
Dan Repay	LCRBDC		
Dave Washington	GLEM		
Oliver King	GLEM		
Dakari Tyler	GLEM		
Jason Gerald	TOG		
Eric Copper	TOG		

Levee Safety Program Manager Signature: Yuki Galisanao, PE, PG *Yuki Galisanao*
Date: 05/08/24

Summary of Site Visit: *[Summarize pertinent discussions with sponsor regarding levee conditions, O&M activities, etc. and describe notable observations or changed conditions since the last site visit or inspection]*

Significant issues with rutting and settlement of gravel areas of the levee crest. Minor issues with unwanted vegetation, debris encroachments, animal burrows, rutting, sod cover, asphalt cracking, concrete cracking and spalling, deteriorating joints, sluice and flap gates, and missing electrical box covers at PS-BS.

Observations and Photos



Inspect ID: 2024-0008

Rated Item: 1. Unwanted Vegetation Growth

Lat/Long: 41.55969/-87.41222

Caption:

No User Rating (Site Visit) - Small tree growth observed along landside toe/ditch. Looking east.



Inspect ID: 2024-0013

Rated Item: 1. Unwanted Vegetation Growth

Lat/Long: 41.55962/-87.40681

Caption:

No User Rating (Site Visit) -Encroaching trees and brush on landside toe.



Inspect ID: 2024-0020

Rated Item: 1. Unwanted Vegetation Growth

Lat/Long: 41.55970/-87.40999

Caption:

No User Rating (Site Visit) - Trees and bushes observed along landside toe.



Inspect ID: 2024-0032

Rated Item: 1. Unwanted Vegetation Growth

Lat/Long: 41.55971/-87.40788

Caption:

No User Rating (Site Visit) - Vegetation close to toe of landside slope.



Inspect ID: 2024-0036

Rated Item: 1. Unwanted Vegetation Growth

Lat/Long: 41.55965/-87.40677

Caption:

No User Rating (Site Visit) - Larger tree observed close to landside levee toe (looking east).



Inspect ID: 2024-0040

Rated Item: 1. Unwanted Vegetation Growth

Lat/Long: 41.55973/-87.40524

Caption:

No User Rating (Site Visit) - Vegetation observed along landside levee toe (looking east).



Inspect ID: 2024-0059

Rated Item: 1. Unwanted Vegetation Growth

Lat/Long: 41.55773/-87.39868

Caption:

No User Rating (Site Visit) - Vegetation on riverside toe.



Inspect ID: 2024-0076

Rated Item: 1. Unwanted Vegetation Growth

Lat/Long: 41.55821/-87.39970

Caption:

No User Rating (Site Visit) - Vegetation observed along landside toe



Inspect ID: 2024-0100

Rated Item: 1. Unwanted Vegetation Growth

Lat/Long: 41.55650/-87.39804

Caption:

No User Rating (Site Visit) - Vegetation observed along landside toe of levee.



Inspect ID: 2024-0009

Rated Item: 2. Sod Cover

Lat/Long: 41.55964/-87.40765

Caption:

No User Rating (Site Visit) - Poor sod cover on landside slope and crown.



Inspect ID: 2024-0043

Rated Item: 2. Sod Cover

Lat/Long: 41.55905/-87.40158

Caption:

No User Rating (Site Visit) - Poor sod cover on riverside slope.



Inspect ID: 2024-0063

Rated Item: 2. Sod Cover

Lat/Long: 41.55750/-87.39826

Caption:

No User Rating (Site Visit) - Poor sod cover on riverside slope.



Inspect ID: 2024-0003

Rated Item: 3. Encroachments

Lat/Long: 41.55984/-87.41223

Caption:

No User Rating (Site Visit) - Discarded mattress on riverside toe.



Inspect ID: 2024-0025

Rated Item: 3. Encroachments

Lat/Long: 41.55991/-87.40328

Caption:

No User Rating (Site Visit) - Damaged bollard on riverside crest.



Inspect ID: 2024-0027

Rated Item: 3. Encroachments

Lat/Long: 41.55989/-87.40333

Caption:

No User Rating (Site Visit) - Garbage and debris on riverside.



Inspect ID: 2024-0069

Rated Item: 3. Encroachments

Lat/Long: 41.55279/-87.39792

Caption:

No User Rating (Site Visit) - Debris on berms at end of levee.



Inspect ID: 2024-0096

Rated Item: 3. Encroachments

Lat/Long: 41.55648/-87.39804

Caption:

No User Rating (Site Visit) - Tires, debris observed on landside toe..



Inspect ID: 2024-0065

Rated Item: 5. Slope Stability

Lat/Long: 41.55342/-87.39786

Caption:

No User Rating (Site Visit) - Typical cross section of Gary Burr.



Inspect ID: 2024-0001

Rated Item: 6. Erosion/ Bank Caving

Lat/Long: 41.55992/-87.41178

Caption:

No User Rating (Site Visit) - Rutting over time leading to erosion of the cross section.



Inspect ID: 2024-0057

Rated Item: 7. Settlement

Lat/Long: 41.55672/-87.39793

Caption:

No User Rating (Site Visit) - Ponding on crest.



Inspect ID: 2024-0012

Rated Item: 8. Depressions/ Rutting

Lat/Long: 41.55971/-87.41106

Caption:

No User Rating (Site Visit) - Ponding in ruts observed along landside toe.



Inspect ID: 2024-0015

Rated Item: 8. Depressions/ Rutting

Lat/Long: 41.55978/-87.40513

Caption:

No User Rating (Site Visit) - Typical rutting from mowing on riverside slope.



Inspect ID: 2024-0031

Rated Item: 8. Depressions/ Rutting

Lat/Long: 41.55989/-87.40308

Caption:

No User Rating (Site Visit) - Large ruts on riverside slope.



Inspect ID: 2024-0047

Rated Item: 8. Depressions/ Rutting

Lat/Long: 41.55877/-87.40100

Caption:

No User Rating (Site Visit) - Rutting on riverside toe.



Inspect ID: 2024-0051

Rated Item: 8. Depressions/ Rutting

Lat/Long: 41.55839/-87.39993

Caption:

No User Rating (Site Visit) - Ruts on riverside slope.



Inspect ID: 2024-0055

Rated Item: 8. Depressions/ Rutting

Lat/Long: 41.55824/-87.39953

Caption:

No User Rating (Site Visit) - Riverside toe and slope rutting.



Inspect ID: 2024-0068

Rated Item: 8. Depressions/ Rutting

Lat/Long: 41.55883/-87.40109

Caption:

No User Rating (Site Visit) - Potholes and ponding observed along gravel road. This is typical of this road (looking east).



Inspect ID: 2024-0080

Rated Item: 8. Depressions/ Rutting

Lat/Long: 41.55721/-87.39796

Caption:

No User Rating (Site Visit) - Rutting and ponded water observed along levee and floodwall on landside.



Inspect ID: 2024-0104

Rated Item: 8. Depressions/ Rutting

Lat/Long: 41.55478/-87.39795

Caption:

No User Rating (Site Visit) - Typical depressions along gravel levee crown.



Inspect ID: 2024-0108

Rated Item: 8. Depressions/ Rutting

Lat/Long: 41.55414/-87.39791

Caption:

No User Rating (Site Visit) - Rutting and ponding observed on waterside toe.



Inspect ID: 2024-0112

Rated Item: 8. Depressions/ Rutting

Lat/Long: 41.55280/-87.39789

Caption:

No User Rating (Site Visit) - Rutting and debris on landside toe.



Inspect ID: 2024-0005

Rated Item: 9. Cracking

Lat/Long: 41.55978/-87.41079

Caption:

No User Rating (Site Visit) - Cracking on asphalt crest, typical for segment about every 150 feet.



Inspect ID: 2024-0007

Rated Item: 10. Animal Control

Lat/Long: 41.55974/-87.41048

Caption:

No User Rating (Site Visit) - Typical animal burrow on riverside slope.



Inspect ID: 2024-0011

Rated Item: 10. Animal Control

Lat/Long: 41.55986/-87.40766

Caption:

No User Rating (Site Visit) - Typical collapsed animal burrow/ tunnel on riverside slope.



Inspect ID: 2024-0017

Rated Item: 10. Animal Control

Lat/Long: 41.55967/-87.40436

Caption:

No User Rating (Site Visit) - Typical animal burrows on landside slope.



Inspect ID: 2024-0061

Rated Item: 10. Animal Control

Lat/Long: 41.55509/-87.39775

Caption:

No User Rating (Site Visit) - Collapsed animal burrow on riverside slope.



Inspect ID: 2024-0072

Rated Item: 10. Animal Control

Lat/Long: 41.55852/-87.40033

Caption:

No User Rating (Site Visit) - Animal path observed on landside slope.



Inspect ID: 2024-0021

Rated Item: 1. Unwanted Vegetation Growth

Lat/Long: 41.55991/-87.40375

Caption:

No User Rating (Site Visit) - Vegetation on landside and riverside.



Inspect ID: 2024-0023

Rated Item: 1. Unwanted Vegetation Growth

Lat/Long: 41.55973/-87.40392

Caption:

No User Rating (Site Visit) - Vegetation along riverside face.



Inspect ID: 2024-0044

Rated Item: 1. Unwanted Vegetation Growth

Lat/Long: 41.55969/-87.40391

Caption:

No User Rating (Site Visit) - Vegetation observed along landside of floodwall.



Inspect ID: 2024-0092

Rated Item: 1. Unwanted Vegetation Growth

Lat/Long: 41.55692/-87.39805

Caption:

No User Rating (Site Visit) - Vegetation along landside of floodwall.



Inspect ID: 2024-0019

Rated Item: 2. Encroachments

Lat/Long: 41.55974/-87.40396

Caption:

No User Rating (Site Visit) - Graffiti on riverside face.



Inspect ID: 2024-0049

Rated Item: 2. Encroachments

Lat/Long: 41.55700/-87.39793

Caption:

No User Rating (Site Visit) - Typical graffiti on landside floodwall.



Inspect ID: 2024-0052

Rated Item: 2. Encroachments

Lat/Long: 41.55941/-87.40379

Caption:

No User Rating (Site Visit) - Old railroad tie observed on riverside of floodwall.



Inspect ID: 2024-0053

Rated Item: 2. Encroachments

Lat/Long: 41.55693/-87.39794

Caption:

No User Rating (Site Visit) - Debris near riverside of floodwall.



Inspect ID: 2024-0029

Rated Item: 4. Concrete Surfaces

Lat/Long: 41.55960/-87.40253

Caption:

No User Rating (Site Visit) - Cracked concrete on top of flood wall.



Inspect ID: 2024-0033

Rated Item: 4. Concrete Surfaces

Lat/Long: 41.55934/-87.40214

Caption:

No User Rating (Site Visit) - Spalling on land side face.



Inspect ID: 2024-0035

Rated Item: 4. Concrete Surfaces

Lat/Long: 41.55951/-87.40243

Caption:

No User Rating (Site Visit) - Riverside superficial spalling.



Inspect ID: 2024-0064

Rated Item: 4. Concrete Surfaces

Lat/Long: 41.55919/-87.40197

Caption:

No User Rating (Site Visit) - Caulking deteriorating at floodwall joint on landside (typical).



Inspect ID: 2024-0088

Rated Item: 4. Concrete Surfaces

Lat/Long: 41.55702/-87.39790

Caption:

No User Rating (Site Visit) - Sealant coming off of floodwall joints on riverside. (typical)



Inspect ID: 2024-0060

Rated Item: 5. Tilting, Sliding or Settlement of Concrete Structures

Lat/Long: 41.55954/-87.40255

Caption:

No User Rating (Site Visit) - Western end of floodwall tilting slightly to the North (looking east).



Inspect ID: 2024-0039

Rated Item: 7. Monolith Joints

Lat/Long: 41.55910/-87.40161

Caption:

No User Rating (Site Visit) - Riverside joint with foam exposed and degraded.



Inspect ID: 2024-0045

Rated Item: 7. Monolith Joints

Lat/Long: 41.55709/-87.39786

Caption:

No User Rating (Site Visit) - Joint sealant peeling on riverside floodwall.



Inspect ID: 2024-0048

Rated Item: 7. Monolith Joints

Lat/Long: 41.55971/-87.40393

Caption:

No User Rating (Site Visit) - Caulking deteriorated on riverside face.



Inspect ID: 2024-0084

Rated Item: 8. Underseepage Relief Wells/ Toe Drainage Systems

Lat/Long: 41.55711/-87.39794

Caption:

No User Rating (Site Visit) - Water ponding observed along landside floodwall toe.



Inspect ID: 2024-0004

Rated Item: 1. Vegetation and Obstructions

Lat/Long: 41.55971/-87.41303

Caption:

No User Rating (Site Visit) - Vegetation observed in both ditches (looking SE).



Inspect ID: 2024-0028

Rated Item: 1. Vegetation and Obstructions

Lat/Long: 41.55906/-87.40804

Caption:

No User Rating (Site Visit) - Some vegetation observed in southern ditch (looking east).



Inspect ID: 2024-0037

Rated Item: 1. Vegetation and Obstructions

Lat/Long: 41.55734/-87.39755

Caption:

No User Rating (Site Visit) - GB-02: Sedimentation and vegetation near flap gate.



Inspect ID: 2024-0056

Rated Item: 1. Vegetation and Obstructions

Lat/Long: 41.55979/-87.40327

Caption:

No User Rating (Site Visit) - Typical ditch on landside (looking east).



Inspect ID: 2024-0041

Rated Item: 5. Concrete Surfaces (Such as gatewells, outfalls, intakes, or culverts)

Lat/Long: 41.55735/-87.39760

Caption:

No User Rating (Site Visit) - GB-02: Spalling on wingwall.



Inspect ID: 2024-0024

Rated Item: 9. Culverts/ Discharge Pipes

Lat/Long: 41.55958/-87.40860

Caption:

No User Rating (Site Visit) - Culvert under Calhoun St. appears to be crushed partially on end.



Inspect ID: 2024-0067

Rated Item: 13. Other Metallic Items

Lat/Long: 41.55730/-87.39777

Caption:

No User Rating (Site Visit) - GB-02: manhole frame and cover is askew.



Inspect ID: 2024-0014

Rated Item: 2. Pump Station Operations and Maintenance Equipment Manuals

Lat/Long: 41.55891/-87.40295

Caption:

No User Rating (Site Visit) - PS-BS: O&M manual on site



Inspect ID: 2024-0002

Rated Item: 7. Pumps

Lat/Long: 41.55896/-87.40307

Caption:

No User Rating (Site Visit) - PS-BS: missing nut and bolt on pump base plate.



Inspect ID: 2024-0010
Rated Item: 7. Pumps
Lat/Long: 41.55895/-87.40310
Caption:

No User Rating (Site Visit) - PS-BS: nut and bolt broken off on pump base plate.



Inspect ID: 2024-0018
Rated Item: 7. Pumps
Lat/Long: 41.55895/-87.40300
Caption:

No User Rating (Site Visit) - PS-BS: temporary discharge pipe has been here for many years.



Inspect ID: 2024-0022

Rated Item: 7. Pumps

Lat/Long: 41.55890/-87.40296

Caption:

No User Rating (Site Visit) - PS-BS: no generator or backup power plug location on site.



Inspect ID: 2024-0006

Rated Item: 14. Electrical Systems

Lat/Long: 41.55900/-87.40309

Caption:

No User Rating (Site Visit) - PS-BS: missing cover on electrical box.

National Levee Database

NLD

LEVEE INSPECTION MAPBOOK

Levee Segment
Gary Burr St

NLD Levee Segment ID
2604000005

Location
Gary

Inspection Type
Site Visit

Start Date
08-Apr-2024

End Date
10-Apr-2024

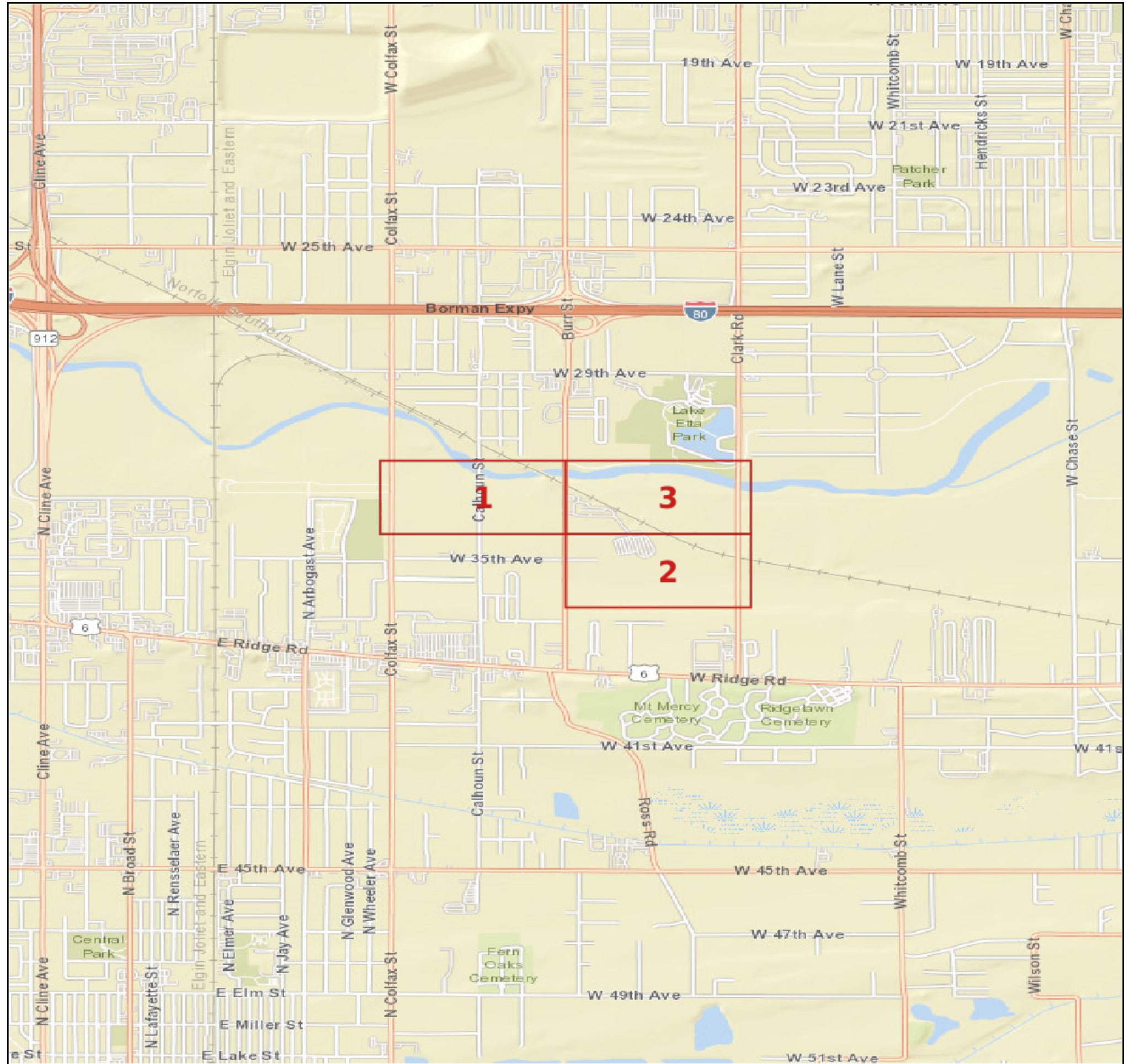
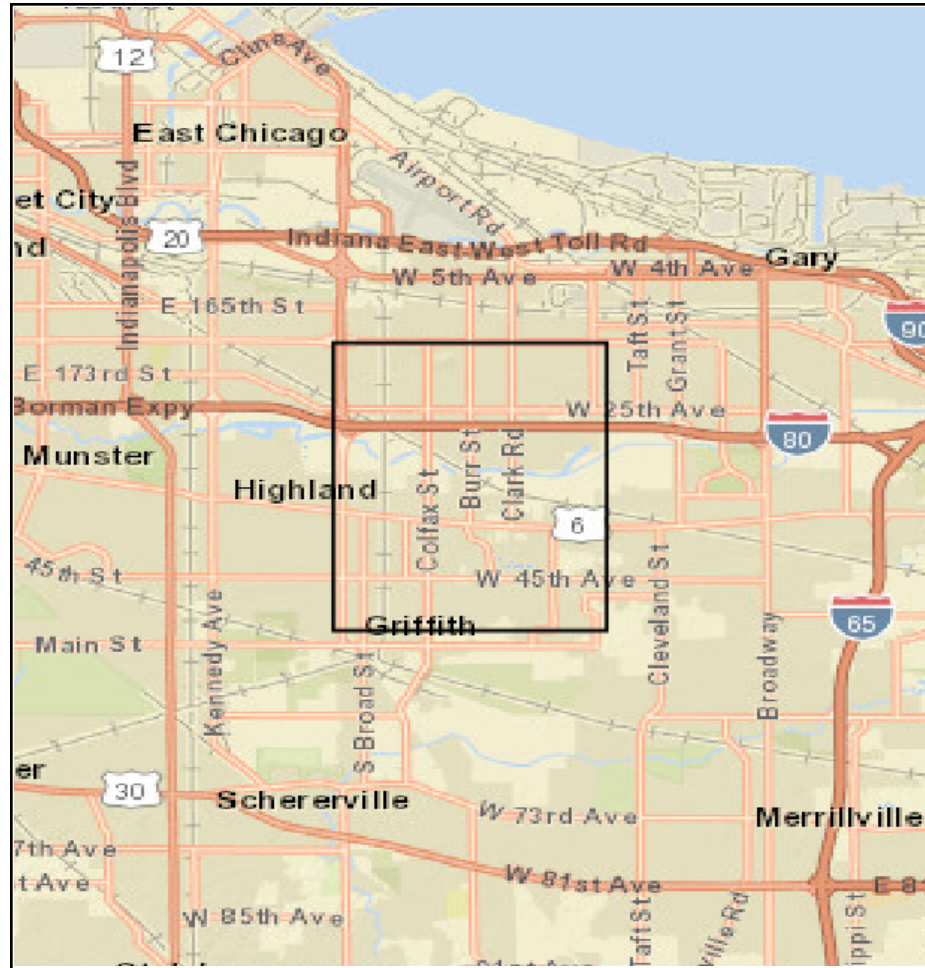
Inspected By
Brian Sweeney, Chris Schaal, Mike



US Army Corps
of Engineers

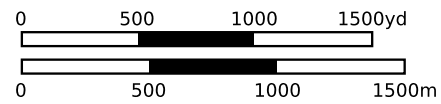
SHEET INDEX

Levee: Gary Burr St



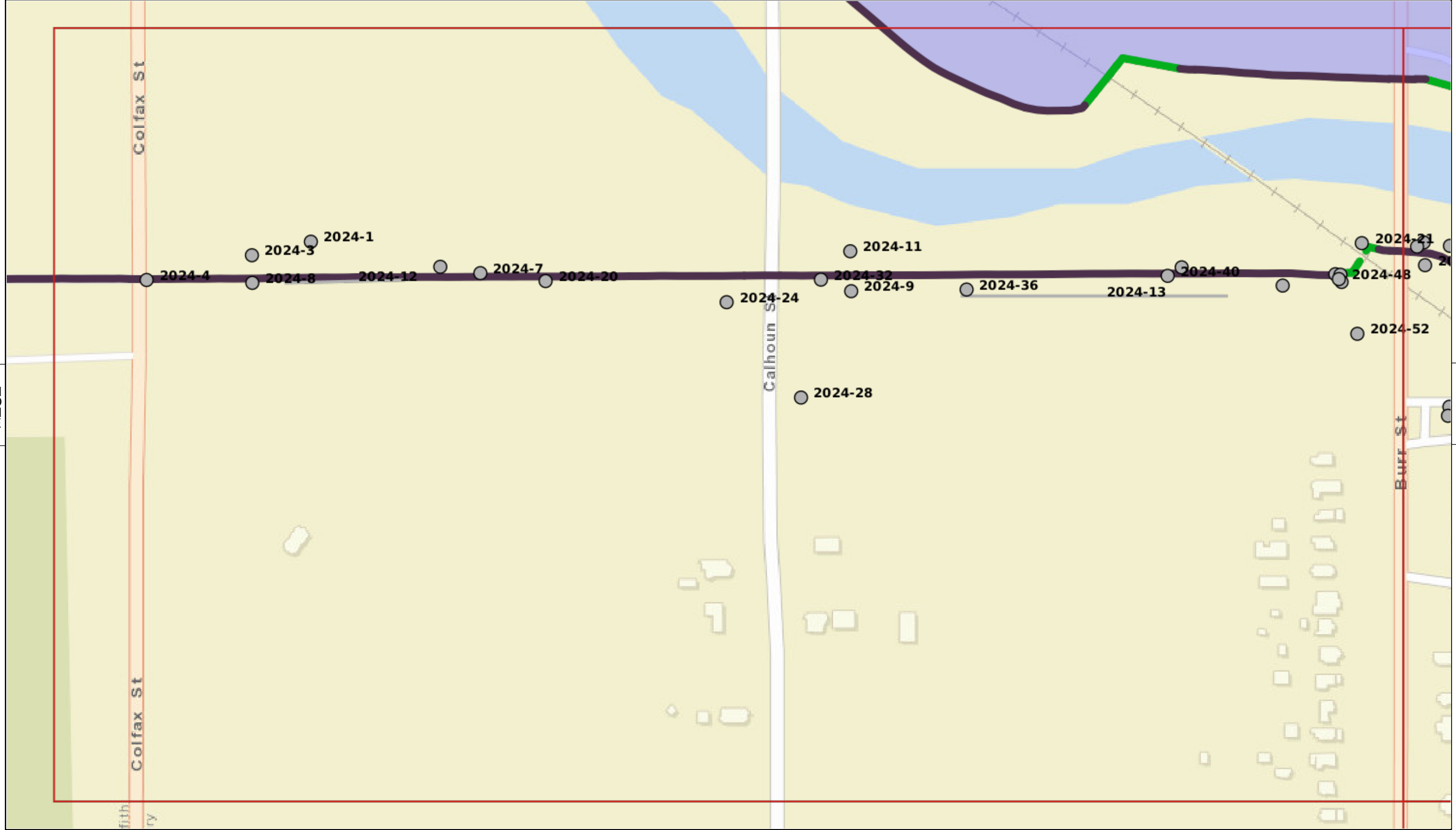
MAP ELEMENTS

3 Standard Sheets



NONE

NONE

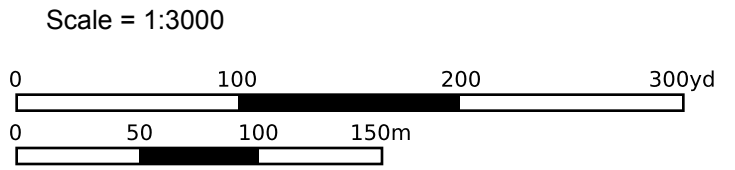


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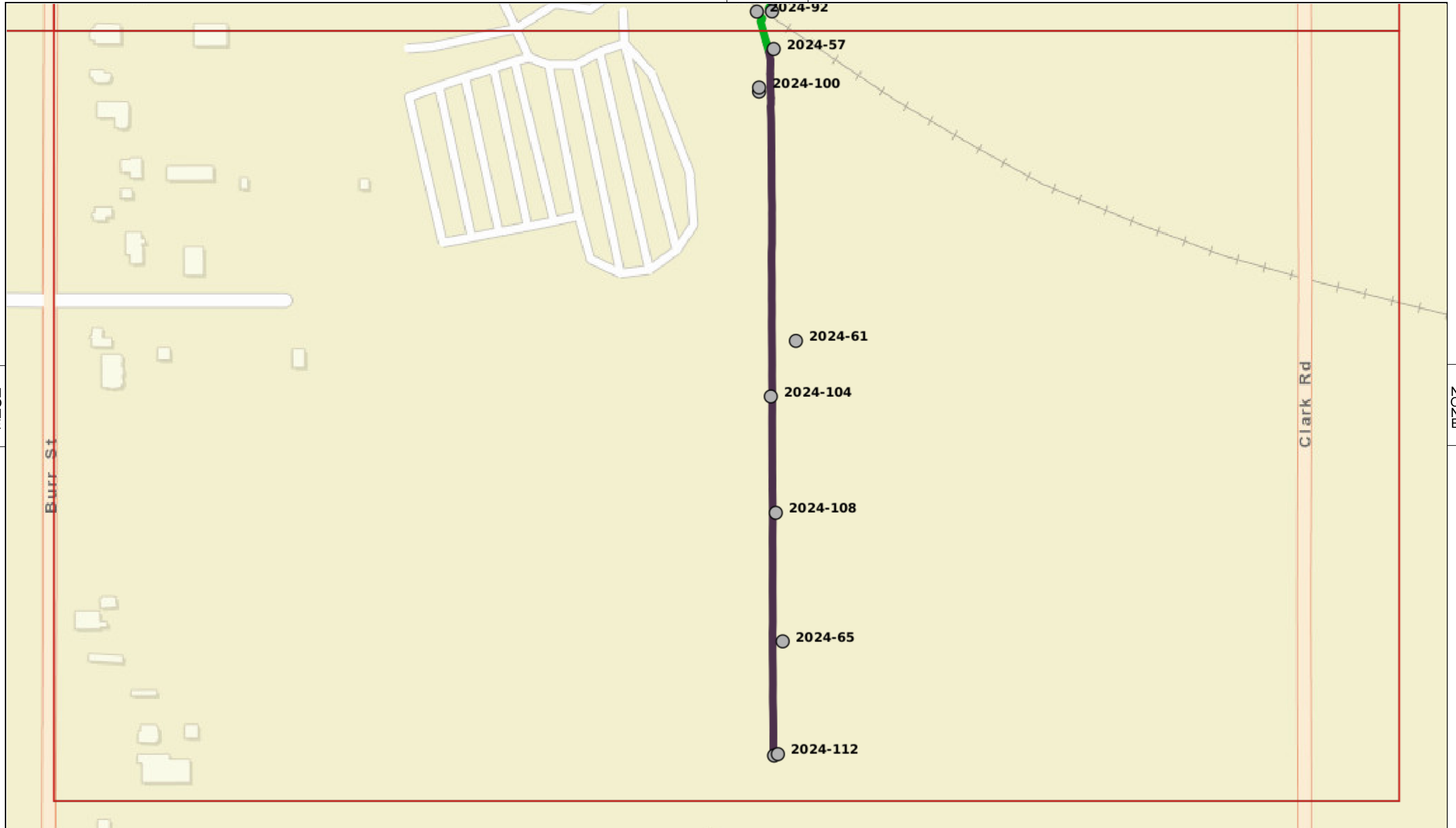
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- OBSERVATIONS**
- Acceptable
 - Minimally Acceptable
 - Unacceptable
 - Not Applicable



NLD	Sheet: 1	08-Apr-2024
	Gary Burr St	
	Type: Site Visit	10-Apr-2024

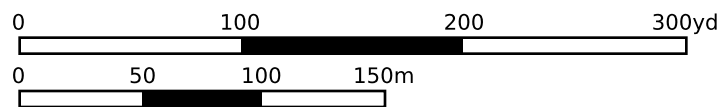


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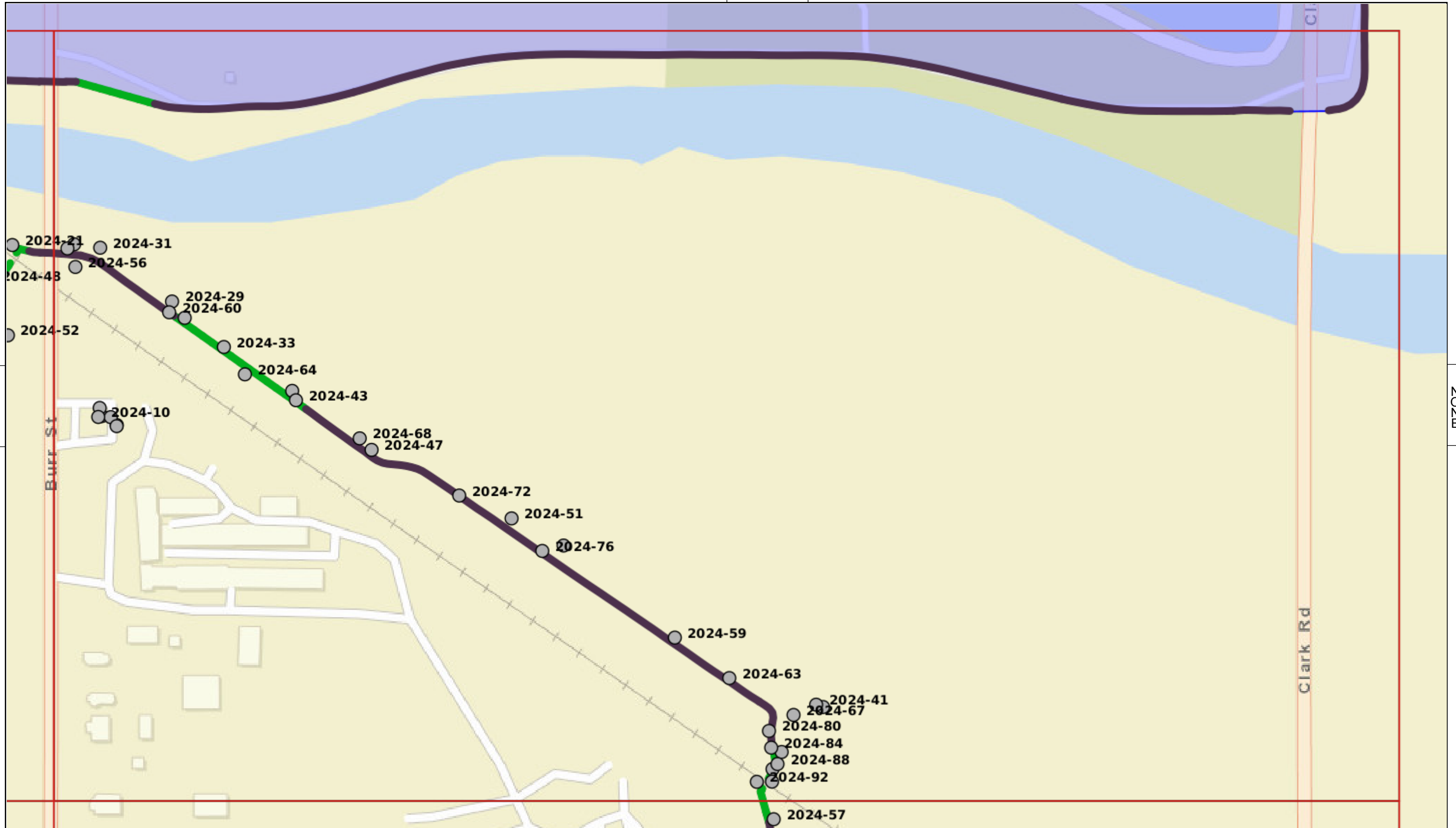
- OBSERVATIONS**
- *N* Acceptable
 - *N* Minimally Acceptable
 - *N* Unacceptable
 - *N* Not Applicable

Scale = 1:3000



NLD	Sheet: 2	08-Apr-2024
	Gary Burr St	
	Type: Site Visit	10-Apr-2024

NONE



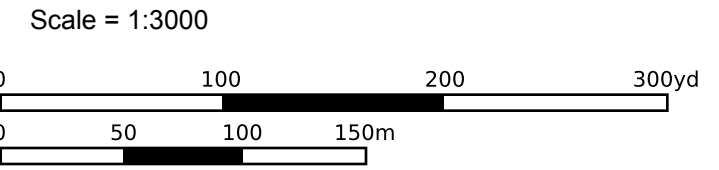
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11302

2



- OBSERVATIONS**
- *N* Acceptable
 - *N* Minimally Acceptable
 - *N* Unacceptable
 - *N* Not Applicable



NLD	Sheet: 3	08-Apr-2024
	Gary Burr St	
	Type: Site Visit	10-Apr-2024

Subset of Inspection Items for Rehabilitation Program Eligibility Determination

In order to be eligible, all of the following items must be rated A, M, N/A or Yes.

Note: Item numbers listed below refer to their placement in the Inspection Checklist for the Gary Burr St Segment – Burr Street System.

Rehabilitation Program Eligibility Determination			
Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Public sponsor provided maintenance information per the Public Sponsor Pre-Inspection Form.	
Yes <input type="checkbox"/>	No <input type="checkbox"/>	Non-federal levee system meets Initial Eligibility criteria.	
N/A <input checked="" type="checkbox"/>			
If either of the above items is marked “No” the levee system is not eligible.			
Rating	Rated Item		
Levee Embankments			
A <input type="checkbox"/>	M <input checked="" type="checkbox"/>	U <input type="checkbox"/>	3. Encroachments
A <input type="checkbox"/>	U <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	4. Closure Structures (Stop Log, Earthen Closures, Gates, or Sandbag Closures)
A <input checked="" type="checkbox"/>	M <input type="checkbox"/>	U <input type="checkbox"/>	5. Slope Stability
A <input type="checkbox"/>	M <input checked="" type="checkbox"/>	U <input type="checkbox"/>	6. Erosion/ Bank Caving
A <input type="checkbox"/>	M <input checked="" type="checkbox"/>	U <input type="checkbox"/>	10. Animal Control
A <input checked="" type="checkbox"/>	M <input type="checkbox"/>	U <input type="checkbox"/>	11. Culverts/Discharge Pipes (This item includes both concrete and corrugated metal pipes.)
N/A <input type="checkbox"/>			
A <input type="checkbox"/>	M <input type="checkbox"/>	U <input type="checkbox"/>	14. Underseepage Relief Wells/Toe Drainage Systems
N/A <input checked="" type="checkbox"/>			
Floodwalls – N/A			
A <input type="checkbox"/>	M <input checked="" type="checkbox"/>	U <input type="checkbox"/>	2. Encroachments
A <input type="checkbox"/>	U <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	3. Closure Structures (Stop Log Closures and Gates)
A <input checked="" type="checkbox"/>	M <input type="checkbox"/>	U <input type="checkbox"/>	5. Tilting, Sliding, or Settlement of Concrete Structures
A <input type="checkbox"/>	M <input checked="" type="checkbox"/>	U <input type="checkbox"/>	6. Foundation of Concrete Structures

A	<input type="checkbox"/>	8. Underseepage Relief Wells/Toe Drainage Systems
M	<input type="checkbox"/>	
U	<input type="checkbox"/>	
N/A	<input checked="" type="checkbox"/>	
Interior Drainage System		
A	<input checked="" type="checkbox"/>	9. Culverts/Discharge Pipes
M	<input type="checkbox"/>	
U	<input type="checkbox"/>	
N/A	<input type="checkbox"/>	
A	<input type="checkbox"/>	10. Sluice/Slide Gates
M	<input type="checkbox"/>	
U	<input type="checkbox"/>	
N/A	<input checked="" type="checkbox"/>	
A	<input checked="" type="checkbox"/>	11. Flap Gates/Flap Valves/Pinch Valves
M	<input type="checkbox"/>	
U	<input type="checkbox"/>	
N/A	<input type="checkbox"/>	
Pump Stations		
A	<input checked="" type="checkbox"/>	17. Intake and Discharge Pipelines
M	<input type="checkbox"/>	
U	<input type="checkbox"/>	
A	<input checked="" type="checkbox"/>	18. Sluice/Slide Gates
M	<input type="checkbox"/>	
U	<input type="checkbox"/>	
N/A	<input type="checkbox"/>	
A	<input checked="" type="checkbox"/>	19. Flap Gates/Flap Valves/Pinch Valves
M	<input type="checkbox"/>	
U	<input type="checkbox"/>	
N/A	<input type="checkbox"/>	
Rehabilitation Program Status		
Active	<input checked="" type="checkbox"/>	System meets all interim eligibility criteria, including having received a rating of A, M, N/A or Yes for all subset items and is therefore eligible for rehabilitation assistance.
Inactive	<input type="checkbox"/>	System does not meet interim eligibility requirements.
Comments: No Major Issues Noted.		