



United City of Yorkville
800 Game Farm Road
Yorkville, Illinois 60560
Telephone: 630-553-4350
www.yorkville.il.us

AGENDA
PUBLIC WORKS COMMITTEE MEETING
Tuesday, June 19, 2018
6:00 p.m.
City Hall Conference Room
800 Game Farm Road, Yorkville, IL

Citizen Comments:

Minutes for Correction/Approval: April 17, 2018

New Business:

1. PW 2018-56 ADA Transition Plan
2. PW 2018-57 Well No. 3 – RFP
3. PW 2018-58 Beecher Center HVAC
 - a. Budget Amendment
 - b. RFP Results – Award of Contract
4. PW 2018-59 Traffic Control Requests – Heartland Subdivision
5. PW 2018-60 Johnson Property ROW
6. PW 2018-61 10-20 Year Plan for Lead Service Evaluation and Subsequent Replacement
7. PW 2018-62 Legionella Testing Costs
8. PW 2018-63 Budget Amendment for Truck Body Purchase
9. PW 2018-64 Raintree Village – Units 4, 5, and 6 Basin Maintenance

Old Business:

Additional Business:

2018/2019 City Council Goals – Public Works Committee		
Goal	Priority	Staff
“Road to Better Roads Funding”	5	Bart Olson, Eric Dhuse & Rob Fredrickson
“Water Planning”	6	Eric Dhuse & Brad Sanderson
“Municipal Building Needs & Planning”	7	Bart Olson, Eric Dhuse, Rob Fredrickson, Tim Evans & Erin Willrett
“Traffic Patrol”	9	Eric Dhuse & Rich Hart
“Whispering Meadows”	10	Bart Olson & Brad Sanderson
“Vehicle Replacement”	12	Bart Olson, Eric Dhuse, Rob Fredrickson, Rich Hart & Tim Evans
“Water Conservation Plan”	14	Eric Dhuse & Brad Sanderson
“Capital Improvement Plan”	16	Eric Dhuse, Rob Fredrickson & Brad Sanderson

UNITED CITY OF YORKVILLE
WORKSHEET
PUBLIC WORKS COMMITTEE
Tuesday, June 19, 2018
6:00 PM
CITY HALL CONFERENCE ROOM

CITIZEN COMMENTS:

MINUTES FOR CORRECTION/APPROVAL:

1. April 17, 2018
 - Approved _____
 - As presented
 - With corrections

NEW BUSINESS:

1. PW 2018-56 ADA Transition Plan
 - Moved forward to CC _____ consent agenda? Y N
 - Approved by Committee _____
 - Bring back to Committee _____
 - Informational Item
 - Notes _____
-
-
-

2. PW 2018-57 Well No. 3 – RFP

- Moved forward to CC _____ consent agenda? Y N
- Approved by Committee _____
- Bring back to Committee _____
- Informational Item
- Notes _____

3. PW 2018-58 Beecher Center HVAC

- a. Budget Amendment
- b. RFP Results – Award of Contract

- Moved forward to CC _____ consent agenda? Y N
- Approved by Committee _____
- Bring back to Committee _____
- Notes _____

4. PW 2018-59 Traffic Control Requests – Heartland Subdivision

- Moved forward to CC _____ consent agenda? Y N
- Approved by Committee _____
- Bring back to Committee _____
- Informational Item
- Notes _____

5. PW 2018-60 Johnson Property ROW

Moved forward to CC _____ consent agenda? Y N

Approved by Committee _____

Bring back to Committee _____

Informational Item

Notes _____

6. PW 2018-61 10-20 Year Plan for Lead Service Evaluation and Subsequent Replacement

Moved forward to CC _____ consent agenda? Y N

Approved by Committee _____

Bring back to Committee _____

Informational Item

Notes _____

7. PW 2018-62 Legionella Testing Costs

Moved forward to CC _____ consent agenda? Y N

Approved by Committee _____

Bring back to Committee _____

Informational Item

Notes _____

8. PW 2018-63 Budget Amendment for Truck Body Purchase

Moved forward to CC _____ consent agenda? Y N

Approved by Committee _____

Bring back to Committee _____

Informational Item

Notes _____

9. PW 2018-64 Raintree Village – Units 4, 5, and 6 Basin Maintenance

Moved forward to CC _____ consent agenda? Y N

Approved by Committee _____

Bring back to Committee _____

Informational Item

Notes _____

ADDITIONAL BUSINESS:



Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input type="checkbox"/>
Engineer	<input type="checkbox"/>
City Administrator	<input type="checkbox"/>
Human Resources	<input type="checkbox"/>
Community Development	<input type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

Minutes

Tracking Number

Agenda Item Summary Memo

Title: Minutes of the Public Works Committee – April 17, 2018

Meeting and Date: Public Works Committee – June 19, 2018

Synopsis: _____

Council Action Previously Taken:

Date of Action: _____ Action Taken: _____

Item Number: _____

Type of Vote Required: Majority

Council Action Requested: Committee Approval

Submitted by: Minute Taker
Name Department

Agenda Item Notes:

DRAFT

**UNITED CITY OF YORKVILLE
PUBLIC WORKS COMMITTEE
Tuesday, April 17 2018, 6:00pm
Yorkville City Hall, Conference Room
800 Game Farm Road**

IN ATTENDANCE:

Committee Members

Chairman Joel Frieders

Alderman Jackie Milschewski

Alderman Ken Koch (arr. 6:02pm)

Alderman Seaver Tarulis

Other City Officials:

Mayor Gary Golinski

City Administrator Bart Olson

Assistant City Administrator Erin Willrett

Public Works Director Eric Dhuse

Engineer Brad Sanderson, EEI

Alderman Chris Funkhouser (arr. 6:03pm)

Other Guests:

Ray Curtis, Metronet

Kathy Scheller, Metronet

Todd DeTamble, Metronet

The meeting was called to order at 6:00pm by Chairman Joel Frieders. The Chairman asked to amend the meeting to discuss item #12 first.

Citizen Comments: None

New Business: The items on the agenda were discussed in reverse order.

12. PW 2018-45 ACom Lake Michigan

a. Study Results

b. Supplemental Engineering Agreement

Mr. Olson said this matter is described in detail in the memo included in the agenda packet. The next step is to participate in a route study/watermain study from Plainfield to Oswego and then to Yorkville which will provide a cost estimate. The watermain would be 24" to 36". The cost share for this study is about \$5,000 for Yorkville. ACom is being discussed at the Oswego Board meeting tonight. There will be a future determination if Yorkville wants Lake Michigan water depending on cost and possible end of main pipeline issues. If Yorkville buys this water, the city is not required to send water back. Mr. Sanderson explained how the water delivery would work and said 2-4 days of storage would be possible. Mr. Frieders said there should be concern about infrastructure, however, Mr. Olson said there have been almost no breaks in history. Alderman Koch questioned if the city would still maintain the wells if water is taken from the Fox River and about financing for the current wells.

Mr. Sanderson said he recommends keeping wells along with the river option. Mr. Olson discussed the radium levels and the cost of water treatment. He believes the river water level will rise in the next few years as development occurs and since Yorkville is downriver from Aurora. Mayor Golinski commented that the City needs to do the water study and ultimately he said it is important for the city to have control over their situation. He asked Mr. Dhuse his opinion. Mr. Dhuse said either option would be good and that the water study is very important. Alderman Koch expressed concern about pharmaceuticals in the water. It was pointed out there is a cost analysis in the agenda packet that was done by EEI. The final committee recommendation was to move forward with the study.

11. PW 2018-44 Metronet – Cannonball Trail Easement Agreement

Mr. Olson said it's not required to have the easement, however, there is space and it keeps it out of the right-of-way. The utility box is similar to AT&T boxes. The city attorney reviewed the agreement and recommended approval. This moves to the consent agenda.

10. PW 2018-43 Pavement Management System Update

Six months ago this committee discussed updating this plan, said Mr. Sanderson. This has been included in the budget to have IMS re-evaluate the streets and a proposal of \$48,000 has been received. The data could be available by late summer. Alderman Frieders asked if the info would be public and it was agreed it could be placed on the website. This moves to the consent agenda.

9. PW 2018-42 Traffic Control Request – Alan Dale Lane and Faxon Road

After a review of this location for a possible 4-way stop, EEI has recommended against any changes to signage in this area. No further action.

8. PW 2018-41 MFT Supplemental Resolution for FY 2019 General Maintenance Appropriation

This is the yearly appropriation according to Mr. Dhuse. He said salt and electricity only will be moved to MFT rather than the General Fund. He will be purchasing 1,400 tons of salt at \$55 per ton and said the city is still doing the joint project with the County. This moves to the consent agenda.

7. PW 2018-40 Fox Highland – Raintree Village Water Main Interconnect – Contract Award

This is related to the Rt. 71 improvement project and will include abandonment of watermain along Rt. 71. Mr. Sanderson recommended approval of the low bid of \$292,304 to Vian Construction. This moves to the consent agenda.

6. PW 2018-39 Whispering Meadows Completion of Improvements – Construction Engineering Agreement

This agreement allows for EEI to do on-site work relating to the street improvements. The estimated engineering cost is \$70,892 with \$5,000 for sub-contracting to Rubino Engineering. This budgeted expense is recommended for approval and moves to the consent agenda.

5. PW 2018-38 Whispering Meadows Completion of Improvements – Change Order No. 1

Mr. Sanderson said the contract has been awarded and this change order reduces the scope. Some line items were removed to stay within the budget and more reductions should be coming. Curbs will be replaced where needed, bad sidewalks will be replaced, but landscaping is not included. This moves to the regular agenda.

4. PW 2018-37 Capital Improvement Status – Quarterly Report

This report is for information and Mr. Sanderson said they are submitting for permits next week and should soon have a cost estimate for Pavilion Rd.

3. PW 2018-36 Bond/Letter of Credit Reductions – Quarterly Report

This quarterly report is for information.

2. PW 2018-35 Water Department Reports for January, February and March 2018

Mr. Dhuse said there were service leaks and watermain breaks, 1 each month. He said the average daily per capita use was very low, however, it will rise in the summer. The break on Adrian was a service leak rather than watermain. This moves to the consent report.

1. PW 2018-34 Snow Operations – Year End Report

Mr. Dhuse said this is a detailed year end report of number of mailboxes damaged and the miles driven. Ms. Milschewski said most of the mailbox damages were in her part of town. Mr. Dhuse said other mailboxes were constructed very sturdily. The committee briefly discussed the process Montgomery uses for damaged mailboxes due to snowplowing. Mr. Dhuse said the brining process worked very well. For information.

Previous Meeting Minutes: March 20, 2018

The minutes were approved as presented.

Additional Business: None

Old Business: None

There was no further business and the meeting was adjourned at 6:43pm.

Minutes respectfully transcribed by
Marlys Young, Minute Taker



Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input type="checkbox"/>
Engineer	<input type="checkbox"/>
City Administrator	<input checked="" type="checkbox"/>
Human Resources	<input type="checkbox"/>
Community Development	<input type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input checked="" type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #1

Tracking Number

PW 2018-56

Agenda Item Summary Memo

Title: ADA Transition Plan – Status Update

Meeting and Date: Public Works Committee – June 19, 2018

Synopsis: Review of Draft Plan

Council Action Previously Taken:

Date of Action: _____ Action Taken: _____

Item Number: _____

Type of Vote Required: _____

Council Action Requested: Approval of Soliciting Public Comment

Submitted by: Brad Sanderson Engineering
Name Department

Agenda Item Notes:



Memorandum

To: Bart Olson, City Administrator
From: Brad Sanderson, EEI
CC: Eric Dhuse, Director of Public Works
Erin Willrett, Assistant City Administrator
Krysti Barksdale-Noble, Community Dev. Dir.
Lisa Pickering, Deputy City Clerk

Date: May 2, 2018
Subject: ADA Transition Plan Status Update

The purpose of this memo is to provide a status update on the ADA Transition Plan. A draft of the plan has been completed and is attached for your review.

The next steps in the process of formally adopting the plan include:

- Posting the draft plan and seeking public comment over a minimum of a 30-day period. Any appropriate comments will then be incorporated into the plan.
- Adoption of technical guidelines to comply with ADA Standards. Local Public Agencies are allowed to adopt Section 41-6 of the Illinois Bureau of Local Roads and Streets Manual as their technical guidelines. Those guidelines are current in the report as Exhibit F.
- Formal adoption of the final version of the plan.

A potential timeline for the process is outlined below:

- May 15th Public Works Committee review of draft plan
- May 22nd City Council review of Public Works Committee recommendation
- May 23rd Posting of draft plan for public comment
- June 26th Consideration by City Council of formally adopting the plan and technical guidelines

It should be noted that the plan addresses curb ramps within public rights of ways only and does not address public facilities. It should also be noted that the plan will need to be periodically updated as non-compliant ramps are replaced and/or that new ramps are added.

Draft
Transition Plan
for
Public Right of Ways



United City of
Yorkville ILLINOIS

April 2018

Index

Introduction	Page 1
Federal Requirements	Page 1
Self Evaluation	Page 2
Transition Plan	Page 4
Exhibit A	Aerial Map
Exhibit B	Atlas Map of Ramp Compliance
Exhibit C	Compiled Field Data
Exhibit D	Illinois Department of Transportation Curb Ramp Standard Details
Exhibit E	United City of Yorkville Curb Ramp Details
Exhibit F	Bureau of Local Roads and Streets Design Standards
Exhibit G	Anticipated Replacement Costs
Exhibit H	List of Report Addenda

Introduction

The United City of Yorkville has an expansive pedestrian system that links neighborhoods, recreational resources, government facilities, retail centers and business establishments. Pedestrian accessibility provides benefits not only for people with disabilities, but for the community at large. In an effort to continuously improve the pedestrian system, this document was prepared in accordance with the Americans with Disabilities Act to serve as the Public Right-of-Way Accessibility Transition Plan for the United City of Yorkville. Included in this document are the results of a self-evaluation that addresses accessibility barriers to City programs, activities and services.

Federal Requirements

The federal legislation known as the American with Disabilities Act (ADA), enacted on July 26, 1990 and later amended effective January 1, 2009, provides comprehensive civil rights protections to qualified persons with disabilities from discrimination on the basis of disability. Title II of the ADA prohibits discrimination in all services, programs, and activities provided to persons with disabilities by State and local governments, including transportation. Local public agencies (LPA) with more than 50 full or part-time employees are required to perform self-evaluations of their current facilities relative to the accessibility requirements of the ADA and then establish a plan to correct any deficiencies. A self-evaluation is also required by Section 504 of the Rehabilitation Act for all entities receiving federal financial assistance, including federal highway aid for transportation projects. The process of self-evaluation for accessibility provides a framework for communities to develop a Transition Plan that identifies barriers, prioritizes actions to address barriers and then sets forth a schedule to implement those actions.

Under Title II of the ADA the City is required to:

- Designate officials responsible for implementation;
- Provide public notice and opportunity for public participation;
- Develop a grievance procedure;
- Adopt design standards and guidelines;
- Prepare a self-evaluation;
- Schedule and budget for improvements to achieve compliance; and
- Monitor progress

This Transition Plan incorporates these elements and provides a method for the United City of Yorkville to schedule and implement required improvements as it pertains to pedestrian sidewalks ramps within the public right-of-way.

Self-Evaluation

Under Title II of the Americans with Disabilities Act, the United City of Yorkville is required to conduct a self-evaluation. To date the United City of Yorkville has conducted a self-evaluation of sidewalk curb ramps within the public right-of-way. The inventory has been developed using studies of existing aerial photography and through field survey. Some barriers to the pedestrian access route created by non-compliant curb ramps are narrow sidewalks; excessive slope of landings, cross slope, or running slope; damaged, missing, misaligned, improperly sized detectable warning tiles; and not fully depressed or excessively sloped curb & gutter.

Inventory Methodology of Assets in Public Right-of-Way

A methodology was developed to field inspect existing sidewalk curb ramps which are non-complaint with the requirements of the Americans with Disabilities Act. To begin, all curb ramp locations within the United City of Yorkville right-of-way were identified and labeled with point and given an identification number using available aerial photography. From the aerial photographs the curb ramps the presence or lack of a detectable warning tile was determined. The curb ramps were identified as “non-compliant” if the detectable warning tile was not visible in the aerial and “potentially compliant” if the detectable warning tile was visible in the aerial. Those curb ramps labeled as “potentially complaint” were selected to be field measured to record the dimensions and slopes of the curb ramps.

The field evaluation was performed by engineering staff using a calibrated smart level to record the critical dimensions and slopes of the curb ramps. The identification number generated from the aerial evaluation, maximum cross slope of landings, maximum cross slope of ramps, maximum cross slope of depressed curb and gutter, maximum running slope of ramps, condition and location of detectable warning tiles, width of the ramp, length of the ramp and presence of a corresponding ramp were all recorded on field inspection sheets.

The collected data was input to a spreadsheet to evaluate the curb ramp elements for compliance with ADA requirements. An aerial map overlaid with current curb ramp compliance status is included as Exhibit A. An atlas of with additional detail is included as Exhibit B. A spreadsheet of data collected in the field is included as Exhibit C.

Identification of Barriers

Curb ramps were evaluated according the maximum allowable slopes as shown in the IDOT Standard Details which are included as Exhibit C. One exception to the IDOT detail is that the United City of Yorkville has developed an individual Standard Detail which supplements the IDOT Standard Detail and is used to eliminate the optional side curb or sidewalk flares and to identify the length of the curb and gutter transition. This detail is included as Exhibit E. These Standard Details and/or the IDOT Standard Specifications for Road and Bridge Construction specify the minimum dimensions, maximum slopes, materials to be used in the construction of compliant curb ramps. Any curb ramp which is constructed below these requirements may create a barrier to pedestrian access.

Detectable warnings must come with a Manufacturer certification stating that the product is fully compliant with accessibility standards, Manufacturer 5 year warranty and Manufacturer specifications

stating the required materials equipment and installation procedures. The product shall be colored throughout the entire thickness and the alignment of the truncated domes is must match the alignment shown in the IDOT Standard Details.

Additionally, the cross slope of curb ramps cannot exceed 2.0%, and the longitudinal slope of curb ramps cannot exceed 8.3%. The slope of curb ramp landings cannot exceed 2.0% in any direction.

At locations where sidewalk curb ramps meet curb and gutter the curb and gutter must be depressed according the IDOT Standard Detail 606001-07. The cross slope of the curb and gutter cannot exceed 2.0%.

The collected data was entered into a spreadsheet which was used to further determine if the ramps were "Compliant," "Near Compliant," "Non-Compliant" or "Require Future Inspection." Based on the evaluation of the data, the color of the points developed from the aerial was changed to different colors so that they can be easily identified in the aerial exhibit. Curb ramps that are compliant appear in the exhibit as green; ramps that have two or fewer non-compliant elements appear as yellow, ramps that lack a detectable warning tile or have three or more non-compliant elements appear as red and ramps that have a detectable warning tile visible in the aerial but need further field evaluation are grey. Some ramps that are under jurisdiction of other agencies, such as the sidewalk curb ramps along Illinois Route 47 which are owned by IDOT are shown as grey.

Transition Plan

The United City of Yorkville has more than 50 employees (full-time and part-time) and is therefore required to develop a public right-of-way accessibility transition plan. This plan will serve as a guide for the City to detail the processes by which accessibility deficiencies will be addressed.

ADA Coordinator

The name and contact information for the ADA Coordinator for the United City of Yorkville is:

Pete Ratos
800 Game Farm Road
Yorkville, IL 60560
630-553-8549
pratos@yorkville.il.us

Public Involvement Opportunities

A copy of the Self-Evaluation and Transition Plan will be made available on the City website and will be available by request to the ADA Coordinator listed above. Any resident may address their concerns or comments to the ADA Coordinator.

Grievance Procedure

This Grievance Procedure is established to meet the requirements of the Americans with Disabilities Act of 1990 ("ADA"). It may be used by anyone who wishes to file a complaint alleging discrimination on the basis of disability in the provision of services, activities, programs, or benefits by the United City of Yorkville. The City's Personnel Policy governs employment-related complaints of disability discrimination.

The complaint should be in writing and contain information about the alleged discrimination such as name, address, phone number of complainant and location, date, and description of the problem. Alternative means of filing complaints, such as personal interviews or a tape recording of the complaint will be made available for persons with disabilities upon request.

The complaint should be submitted by the grievant and/or his/her designee as soon as possible but no later than 60 calendar days after the alleged violation to the ADA Coordinator listed above.

Within 15 calendar days after receipt of the complaint, the ADA Coordinator will meet with the complainant to discuss the complaint and the possible resolutions. Within 15 calendar days of the meeting, the ADA Coordinator will respond in writing, and where appropriate, in a format accessible to the complainant, such as large print, Braille, or audio tape. The response will explain the position of the United City of Yorkville and offer options for substantive resolution of the complaint.

If the response by the ADA Coordinator does not satisfactorily resolve the issue, the complainant and/or his/her designee may appeal the decision within 15 calendar days after receipt of the response to the City Administrator.

Within 15 calendar days after receipt of the appeal, the City Administrator will meet with the complainant to discuss the complaint and possible resolutions. Within 15 calendar days after the meeting, the City Administrator or his/her designee will respond in writing, and, where appropriate, in a format accessible to the complainant, with a final resolution of the complaint.

All written complaints received by the ADA Coordinator, appeals to the City Administrator, and responses from these two offices will be retained by the United City of Yorkville for at least three years.

Design Standards

The United City of Yorkville is required to adopt technical guidelines that comply with ADA Standards. Local Public Agencies may adopt Section 41-6 of the Illinois Department of Transportation Bureau of Local Roads and Streets Manual as a design standard. Section 41-6 is included in this report as Exhibit F. In addition to Section 41-6 of the Bureau of Local Roads and Streets Manual the City may adopt any available Standards available from IDOT. A Local Public Agency may develop their own design standards but care must be taken to ensure that the standards are fully compliant with the Americans with Disabilities Act.

Self-Evaluation

The Self-Evaluation shall be included in the Transition Plan. In the case of the United City of Yorkville, the Self-evaluation is underway and will continue to be updated as more facilities are evaluated for compliance.

Schedule and Budget for Improvements

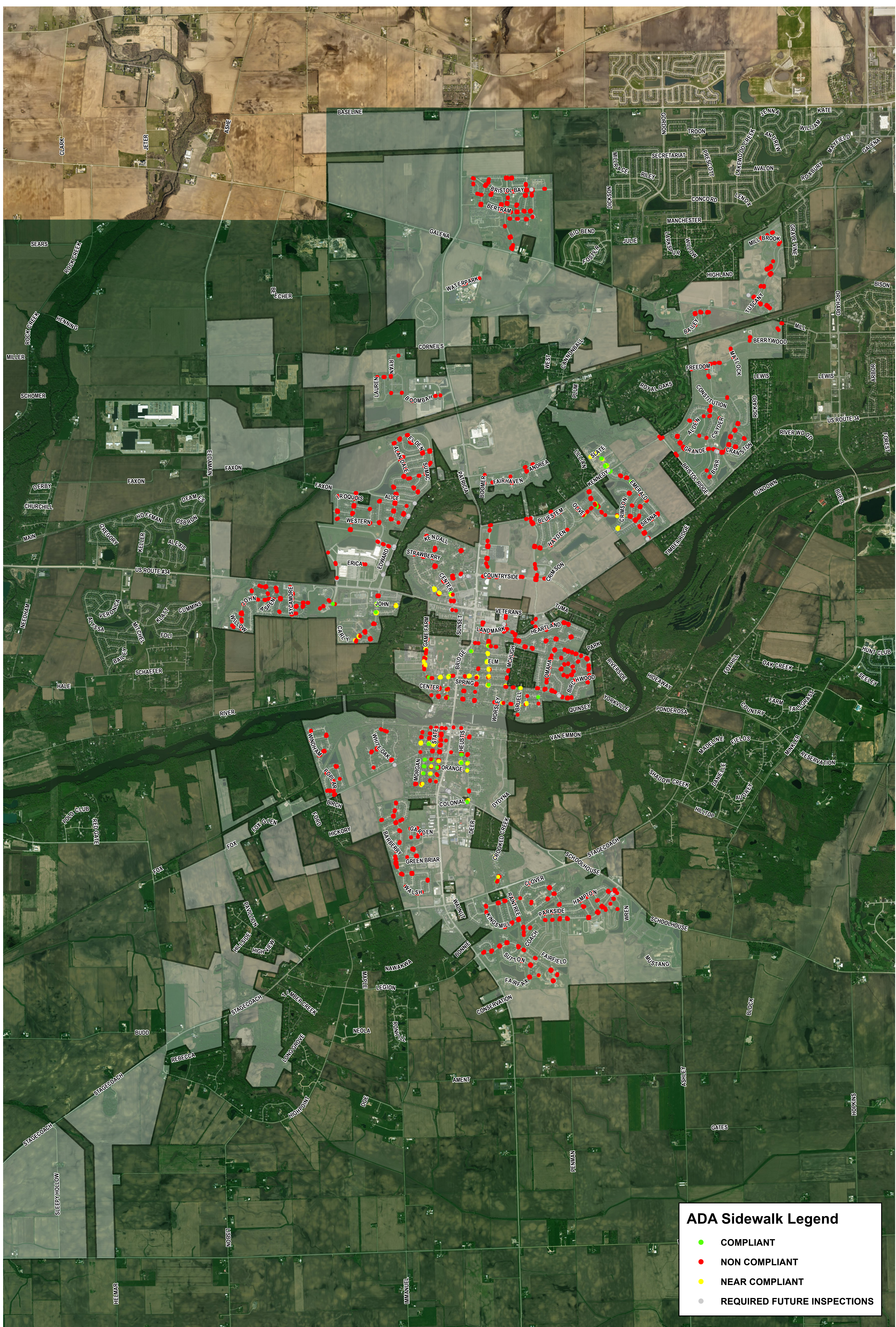
The United City of Yorkville conducts an annual street resurfacing program. Federal law requires Local Public Agencies to update non-compliant curb ramps which are included within the limits of a street resurfacing project. Therefore the City is scheduled to update non-compliant curb ramps as streets within the City are resurfaced. The replacement of a non-compliant ramp in advance of a resurfacing program is possible. The City will consider the severity of non-compliance, citizen complaints regarding inaccessible locations, poor levels of pedestrian service, population density, preserve of a disabled population and the cost when considering an accelerated schedule for replacement. The anticipated replacement costs of non-compliant ramps which have been field inspected to date is included as Exhibit G.

Monitoring Progress

The United City of Yorkville will make updates to this plan as non-compliant ramps are replaced and as additional non-compliant features are evaluated. A list of addenda to this report is included as Exhibit H.

EXHIBIT A

AERIAL MAP

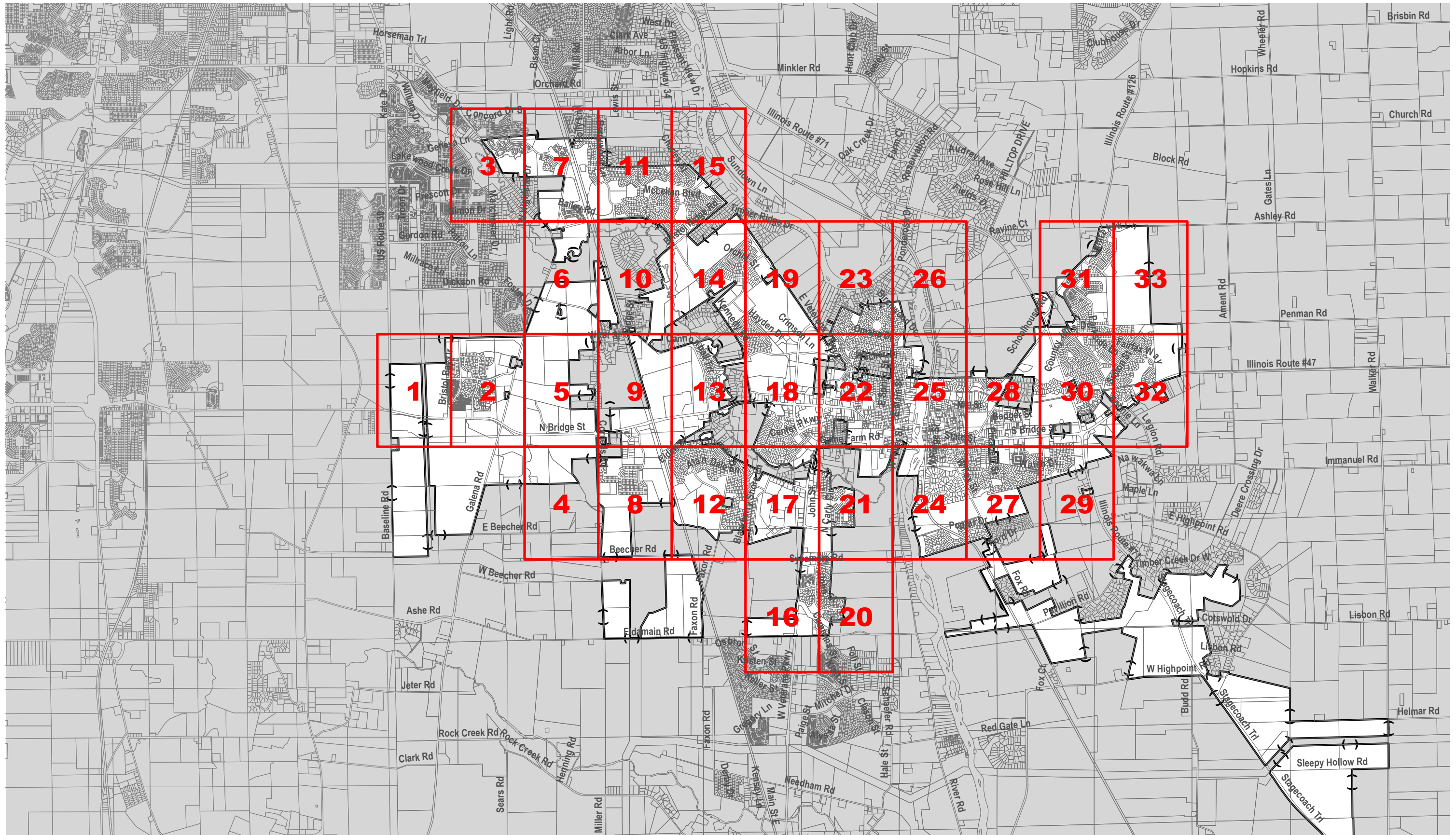


ADA Sidewalk Legend

- COMPLIANT
- NON COMPLIANT
- NEAR COMPLIANT
- REQUIRED FUTURE INSPECTIONS

EXHIBIT B

ATLAS MAP OF RAMP COMPLIANCE



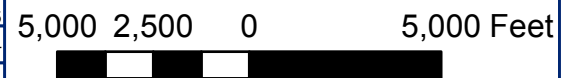
Engineering Enterprises, Inc.
 52 Wheeler Road
 Sugar Grove, Illinois 60554
 (630) 466-6700
 www.eeiweb.com



United City of Yorkville
 800 Game Farm Road
 Yorkville, IL 60560
 630-553-4350
 www.yorkville.il.us

NO.	DATE	REVISIONS

DATE:	June 2017
PROJECT NO.:	YO1625
BY:	MJT
PATH:	H:\GIS\PUBLIC\YORKVILLE\2016
FILE:	Sidewalk_00_Index.MXD



United City of Yorkville
Sidewalk Atlas Maps
Exhibit B (Index of Sheets)





ADA Sidewalk Legend

- COMPLIANT
- NON COMPLIANT
- NEAR COMPLIANT
- REQUIRED FUTURE INSPECTIONS

Engineering Enterprises, Inc.
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United City of Yorkville
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NO.	DATE	REVISIONS

DATE: March 2018
 PROJECT NO.: YO1625
 BY: MJT
 PATH: H:\GIS\PUBLIC\YORKVILLE\2016\ Sidewalk_01.MXD
 FILE: Sidewalk_01.MXD

500 250 0 500 Feet

**United City of Yorkville
 Sidewalk Atlas Maps
 Exhibit B (Sheet 1)**





ADA Sidewalk Legend

- COMPLIANT
- NON COMPLIANT
- NEAR COMPLIANT
- REQUIRED FUTURE INSPECTIONS

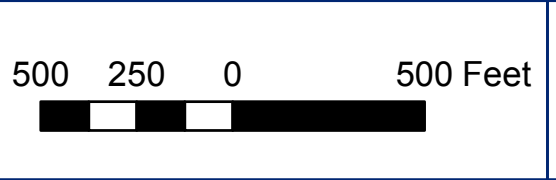
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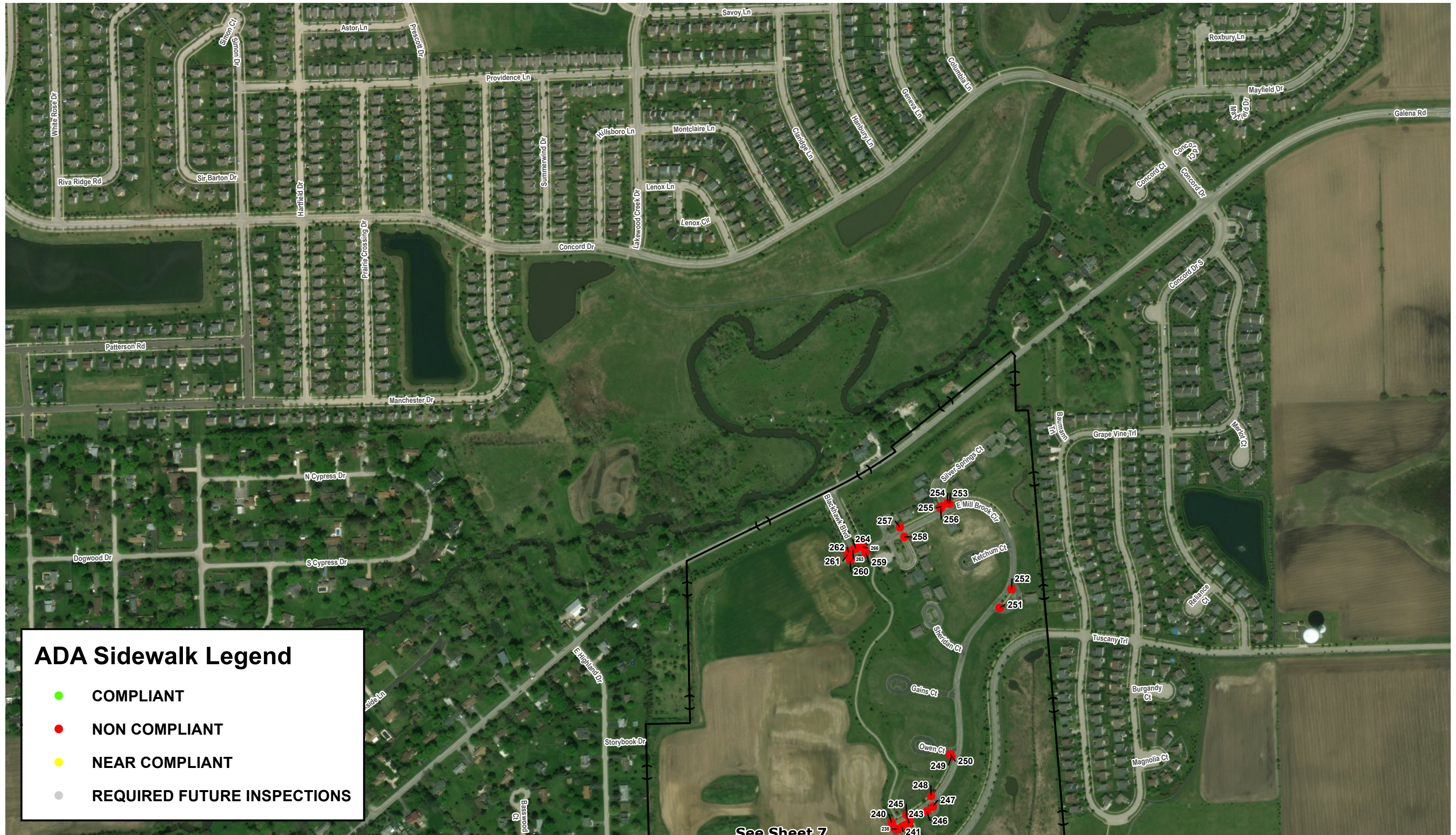
NO.	DATE	REVISIONS

DATE:	March 2018
PROJECT NO.:	YO1625
BY:	MJT
PATH:	H:\GIS\PUBLIC\YORKVILLE\2016
FILE:	Sidewalk_02.MXD



United City of Yorkville
Sidewalk Atlas Maps
Exhibit B (Sheet 2)





ADA Sidewalk Legend

- COMPLIANT
- NON COMPLIANT
- NEAR COMPLIANT
- REQUIRED FUTURE INSPECTIONS

See Sheet 7

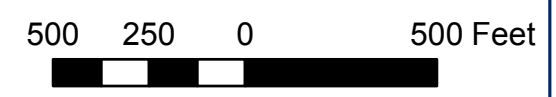
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NO.	DATE	REVISIONS

DATE:	March 2018
PROJECT NO.:	YO1625
BY:	MJT
PATH:	H:\GIS\PUBLIC\YORKVILLE\2016
FILE:	Sidewalk_03.MXD



**United City of Yorkville
 Sidewalk Atlas Maps
 Exhibit B (Sheet 3)**





ADA Sidewalk Legend

- COMPLIANT
- NON COMPLIANT
- NEAR COMPLIANT
- REQUIRED FUTURE INSPECTIONS

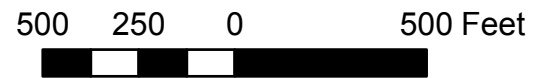
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NO.	DATE	REVISIONS

DATE: March 2018
 PROJECT NO.: YO1625
 BY: MJT
 PATH: H:\GIS\PUBLIC\YORKVILLE\2016\
 FILE: Sidewalks_04.MXD



**United City of Yorkville
 Sidewalk Atlas Maps
 Exhibit B (Sheet 04)**

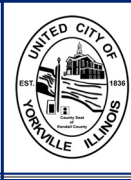




ADA Sidewalk Legend

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- REQUIRED FUTURE INSPECTIONS

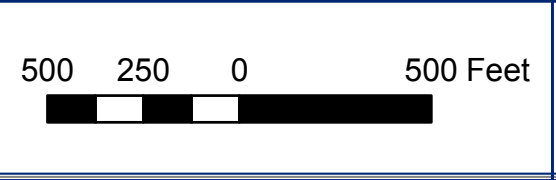
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PROJECT NO.:	YO1625
BY:	MJT
PATH:	H:\GIS\PUBLIC\YORKVILLE\2016\
FILE:	Sidewalk_05.MXD



**United City of Yorkville
 Sidewalk Atlas Maps
 Exhibit B (Sheet 05)**





See Sheet 5

See Sheet 5

See Sheet 7

See Sheet 10

ADA Sidewalk Legend

- COMPLIANT
- NON COMPLIANT
- NEAR COMPLIANT
- REQUIRED FUTURE INSPECTIONS

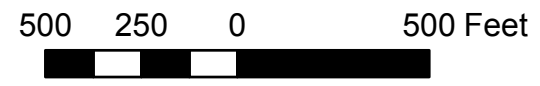
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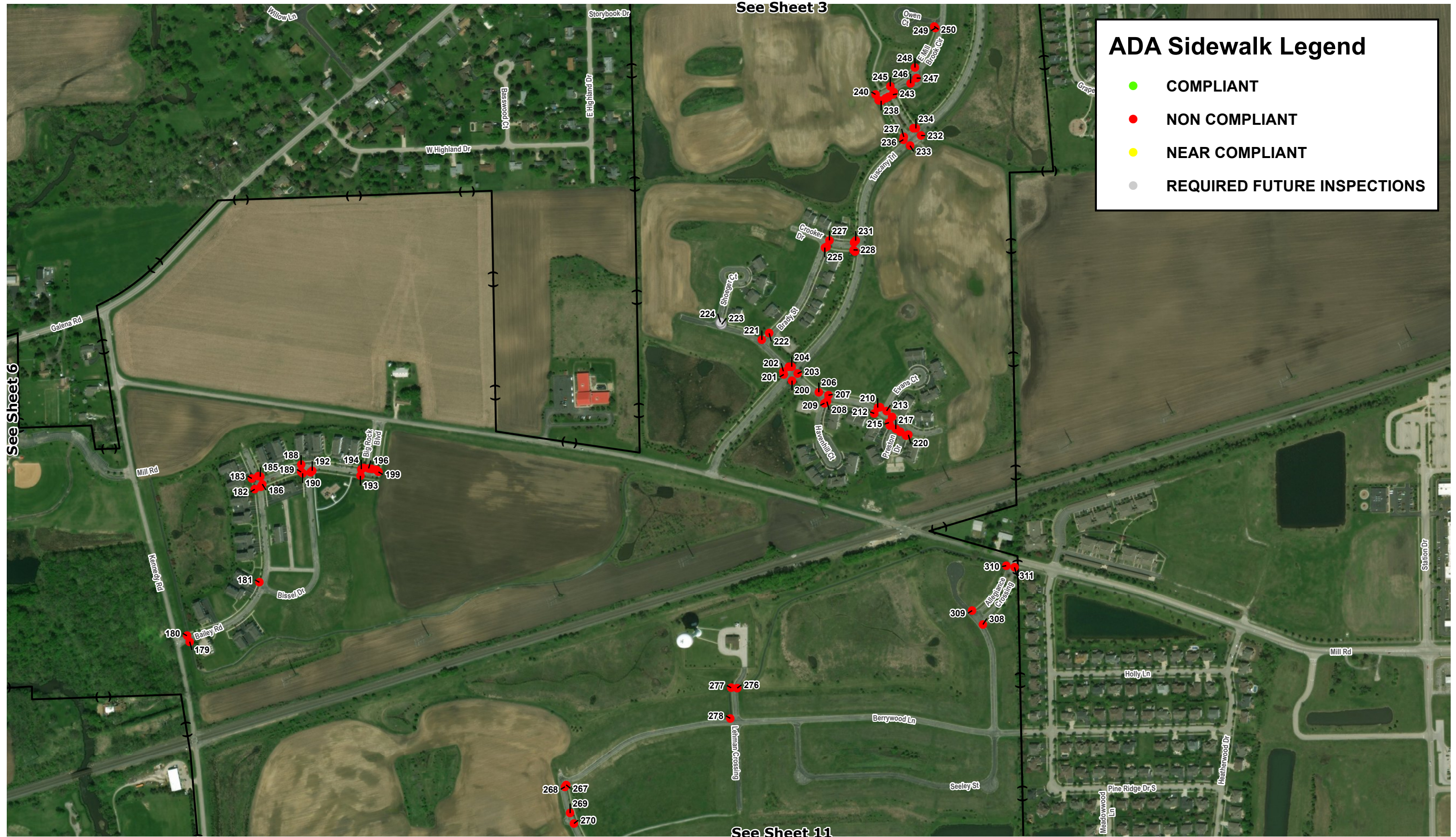
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DATE:	March 2018
PROJECT NO.:	YO1625
BY:	MJT
PATH:	H:\GIS\PUBLIC\YORKVILLE\2016\
FILE:	Sidewalk_06.MXD



**United City of Yorkville
 Sidewalk Atlas Maps
 Exhibit B (Sheet 6)**





ADA Sidewalk Legend

- COMPLIANT
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DATE: March 2018
 PROJECT NO.: YO1625
 BY: MJT
 PATH: H:\GIS\PUBLIC\YORKVILLE\2016\
 FILE: Sidewalk_07.MXD

500 250 0 500 Feet

**United City of Yorkville
 Sidewalk Atlas Maps
 Exhibit B (Sheet 7)**





ADA Sidewalk Legend

- COMPLIANT
- NON COMPLIANT
- NEAR COMPLIANT
- REQUIRED FUTURE INSPECTIONS

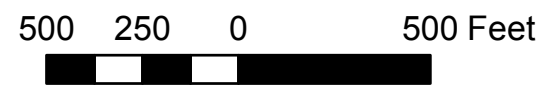
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 BY: MJT
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 FILE: Sidewalk_08.MXD



**United City of Yorkville
 Sidewalk Atlas Maps
 Exhibit B (Sheet 8)**



See Sheet 4

See Sheet 9

See Sheet 12



ADA Sidewalk Legend

- COMPLIANT
- NON COMPLIANT
- NEAR COMPLIANT
- REQUIRED FUTURE INSPECTIONS

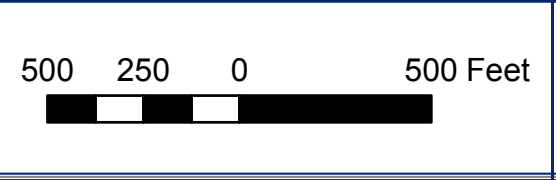
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BY:	MJT
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FILE:	Sidewalk_09.MXD



**United City of Yorkville
 Sidewalk Atlas Maps
 Exhibit B (Sheet 9)**





ADA Sidewalk Legend

- COMPLIANT
- NON COMPLIANT
- NEAR COMPLIANT
- REQUIRED FUTURE INSPECTIONS

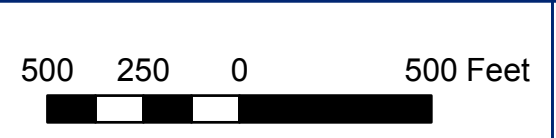
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 FILE: Sidewalk_10.MXD



**United City of Yorkville
 Sidewalk Atlas Maps
 Exhibit B (Sheet 10)**





ADA Sidewalk Legend

- COMPLIANT
- NON COMPLIANT
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- REQUIRED FUTURE INSPECTIONS

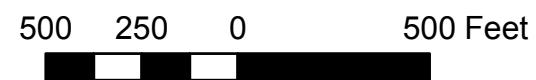
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 BY: MJT
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 FILE: Sidewalk_11.MXD



**United City of Yorkville
 Sidewalk Atlas Maps
 Exhibit B (Sheet 11)**





ADA Sidewalk Legend

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DATE: March 2018
 PROJECT NO.: YO1625
 BY: MJT
 PATH: H:\GIS\PUBLIC\YORKVILLE\2016\
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500 250 0 500 Feet

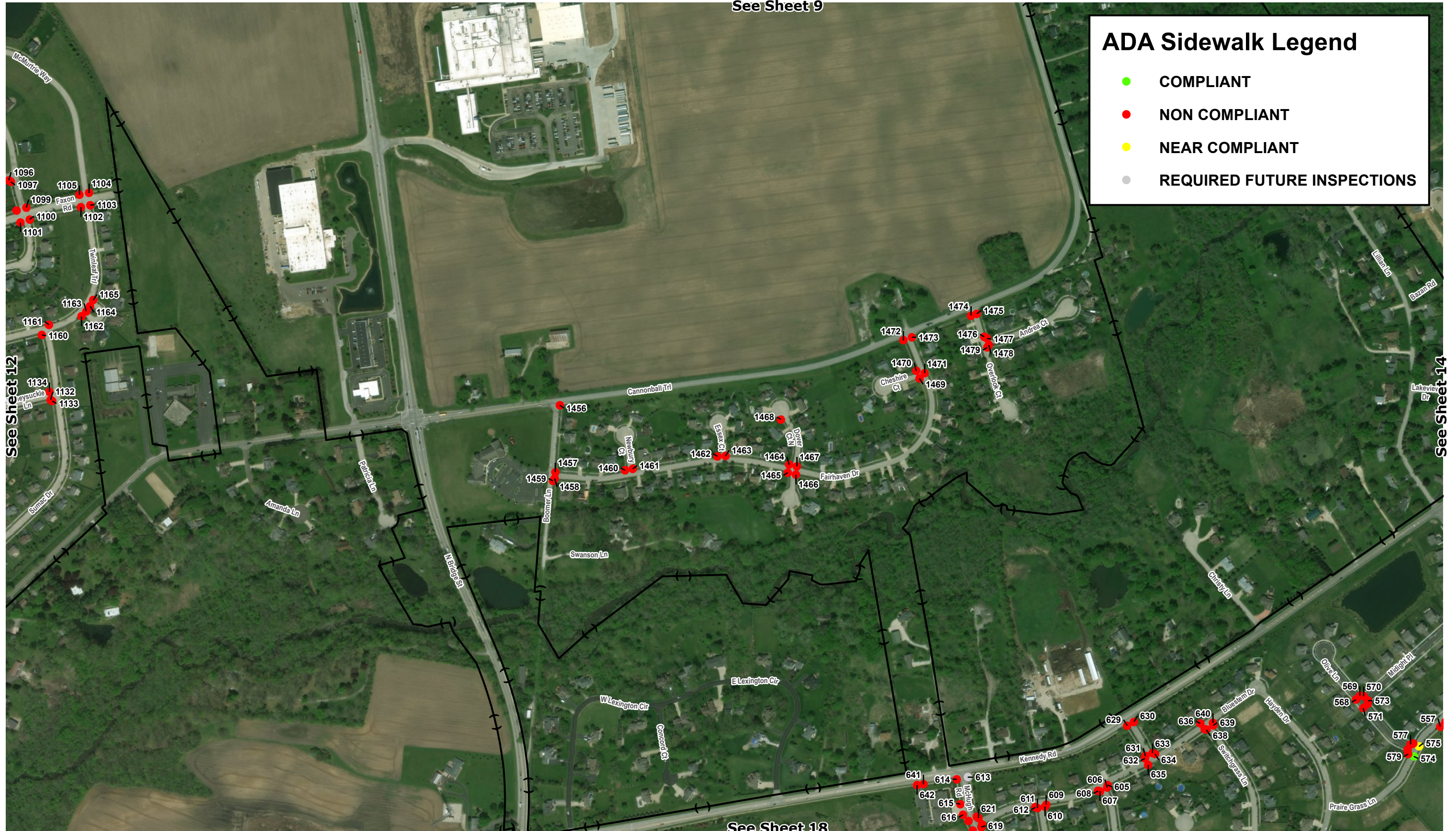
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 Sidewalk Atlas Maps
 Exhibit B (Sheet 12)**



See Sheet 9

ADA Sidewalk Legend

- COMPLIANT
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- NEAR COMPLIANT
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See Sheet 12

See Sheet 14

See Sheet 18

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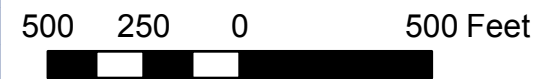


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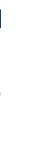
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DATE:	March 2018
PROJECT NO.:	YO1625
BY:	MJT
PATH:	H:\GIS\PUBLIC\YORKVILLE\2016\
FILE:	Sidewalk_13.MXD

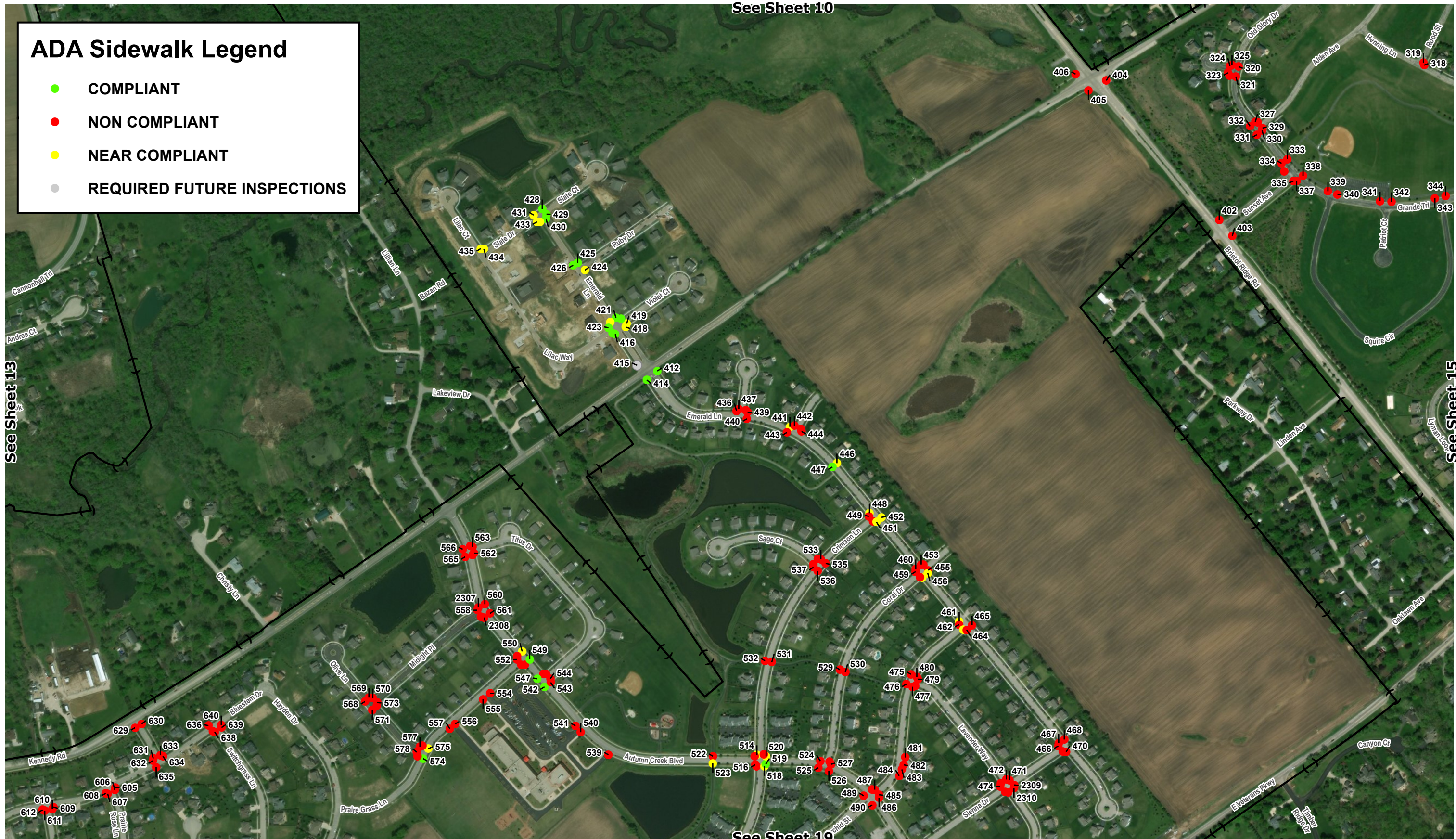


United City of Yorkville Sidewalk Atlas Maps Exhibit B (Sheet 13)



ADA Sidewalk Legend

- COMPLIANT
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- NEAR COMPLIANT
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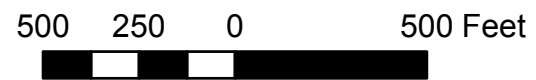


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DATE:	March 2018
PROJECT NO.:	YO1625
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PATH:	H:\GIS\PUBLIC\YORKVILLE\2016\
FILE:	Sidewalk_14.MXD



**United City of Yorkville
 Sidewalk Atlas Maps
 Exhibit B (Sheet 14)**





ADA Sidewalk Legend

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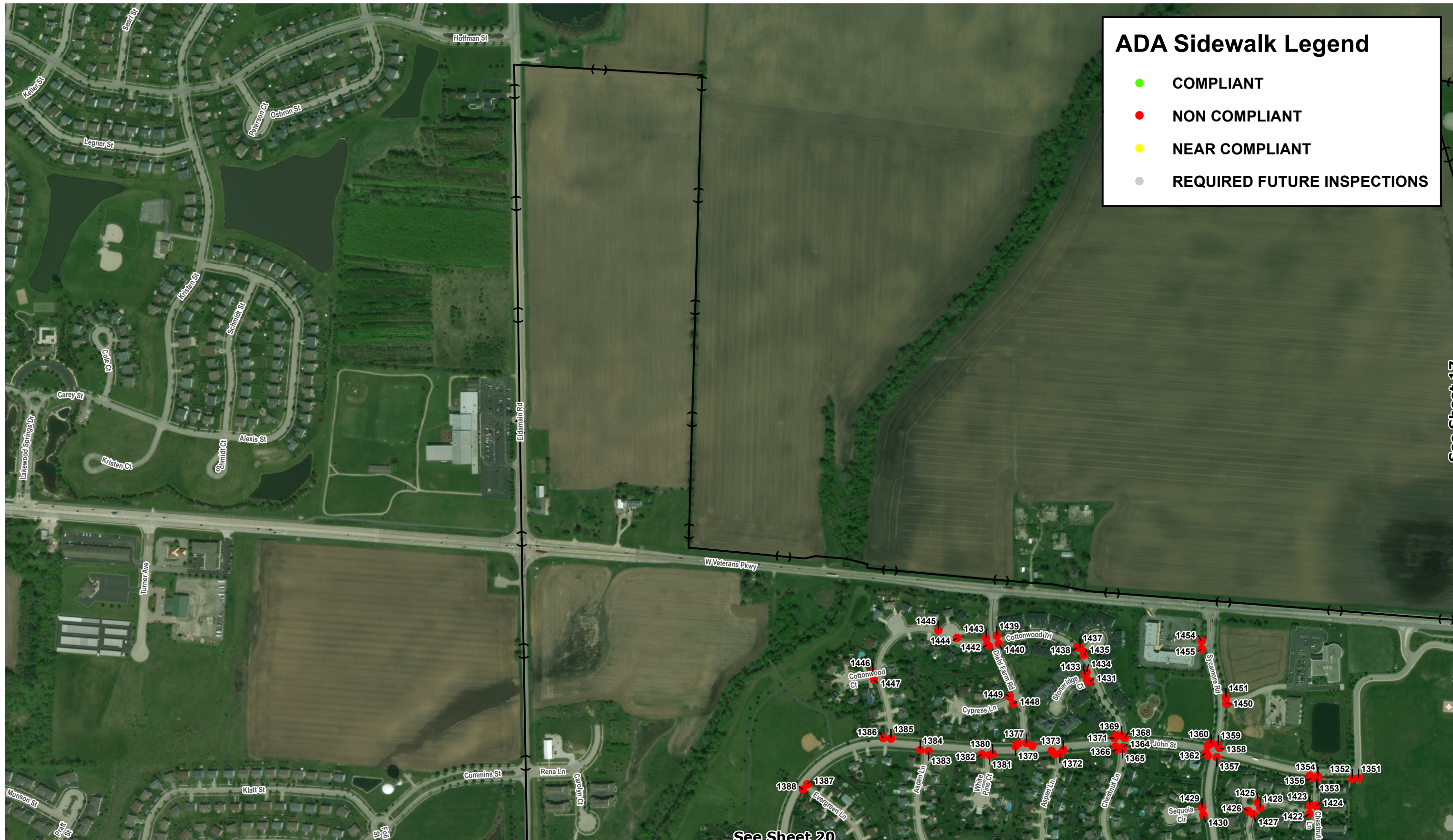
NO.	DATE	REVISIONS

DATE:	March 2018
PROJECT NO.:	YO1625
BY:	MJT
PATH:	H:\GIS\PUBLIC\YORKVILLE\2016
FILE:	Sidewalk_15.MXD

500 250 0 500 Feet

**United City of Yorkville
 Sidewalk Atlas Maps
 Exhibit B (Sheet 15)**





ADA Sidewalk Legend

- COMPLIANT
- NON COMPLIANT
- NEAR COMPLIANT
- REQUIRED FUTURE INSPECTIONS

See Sheet 17

See Sheet 20

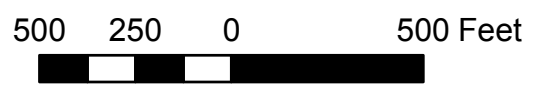
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FILE:	Sidewalk_16.MXD



United City of Yorkville
Sidewalk Atlas Maps
Exhibit B (Sheet 16)



ADA Sidewalk Legend

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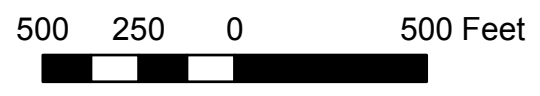
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FILE:	Sidewalk_17.MXD



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Sidewalk Atlas Maps
Exhibit B (Sheet 17)





ADA Sidewalk Legend

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 PATH: H:\GIS\PUBLIC\YORKVILLE\2016\
 FILE: Sidewalk_18.MXD

500 250 0 500 Feet

**United City of Yorkville
 Sidewalk Atlas Maps
 Exhibit B (Sheet 18)**



ADA Sidewalk Legend

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DATE: March 2018
 PROJECT NO.: YO1625
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 PATH: H:\GIS\PUBLIC\YORKVILLE\2016
 FILE: Sidewalk_19.MXD

500 250 0 500 Feet

**United City of Yorkville
 Sidewalk Atlas Maps
 Exhibit B (Sheet 19)**





See Sheet 16

See Sheet 21

ADA Sidewalk Legend

- COMPLIANT
- NON COMPLIANT
- NEAR COMPLIANT
- REQUIRED FUTURE INSPECTIONS

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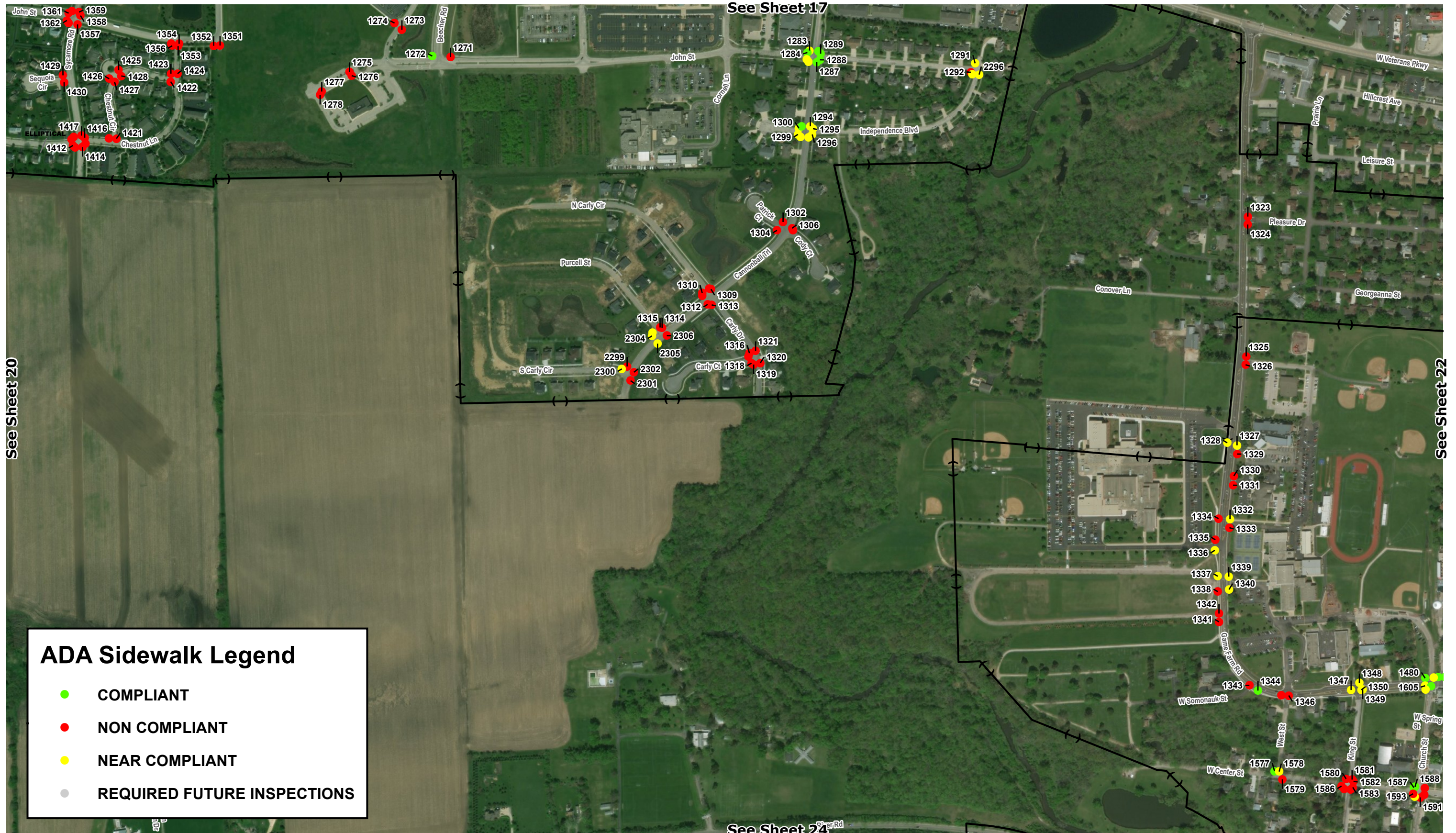
NO.	DATE	REVISIONS

DATE: March 2018
 PROJECT NO.: YO1625
 BY: MJT
 PATH: H:\GIS\PUBLIC\YORKVILLE\2016\
 FILE: Sidewalk_20.MXD

500 250 0 500 Feet

United City of Yorkville
Sidewalk Atlas Maps
Exhibit B (Sheet 20)





ADA Sidewalk Legend

- COMPLIANT
- NON COMPLIANT
- NEAR COMPLIANT
- REQUIRED FUTURE INSPECTIONS

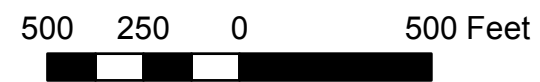
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PATH:	H:\GIS\PUBLIC\YORKVILLE\2016\
FILE:	Sidewalk_21.MXD



United City of Yorkville
Storm Sewer Atlas Maps
Exhibit B (Sheet 21)



ADA Sidewalk Legend

- COMPLIANT
- NON COMPLIANT
- NEAR COMPLIANT
- REQUIRED FUTURE INSPECTIONS

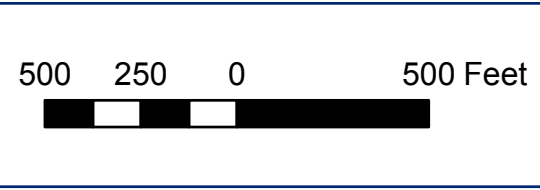


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FILE:	Sidewalk_22.MXD	
NO.	DATE	REVISIONS



United City of Yorkville
Storm Sewer Atlas Maps
Exhibit B (Sheet 22)

See Sheet 19

ADA Sidewalk Legend

- COMPLIANT
- NON COMPLIANT
- NEAR COMPLIANT
- REQUIRED FUTURE INSPECTIONS



See Sheet 22

See Sheet 26

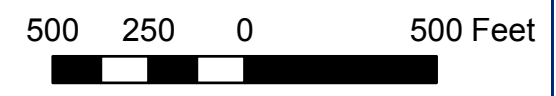
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PATH:	H:\GIS\PUBLIC\YORKVILLE\2016\
FILE:	Sidewalk_23.MXD



United City of Yorkville
Sidewalk Atlas Maps
Exhibit B (Sheet 23)



See Sheet 21

ADA Sidewalk Legend

- COMPLIANT
- NON COMPLIANT
- NEAR COMPLIANT
- REQUIRED FUTURE INSPECTIONS



See Sheet 25

See Sheet 27

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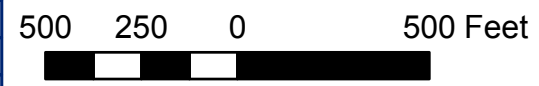


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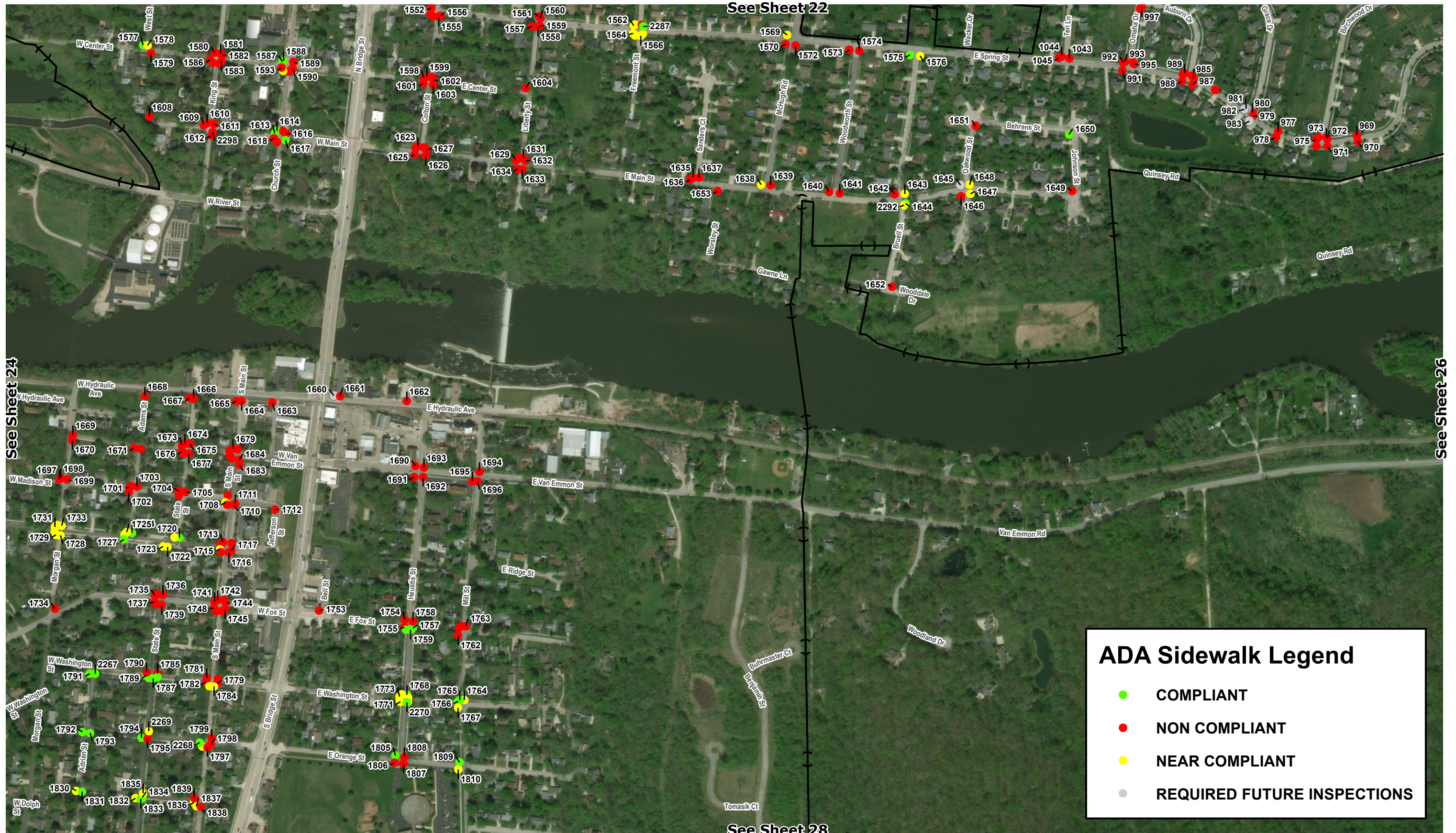
NO.	DATE	REVISIONS

DATE:	March 2018
PROJECT NO.:	YO1625
BY:	MJT
PATH:	H:\GIS\PUBLIC\YORKVILLE\2016\
FILE:	Sidewalk_24.MXD



United City of Yorkville Sidewalk Atlas Maps Exhibit B (Sheet 24)





ADA Sidewalk Legend

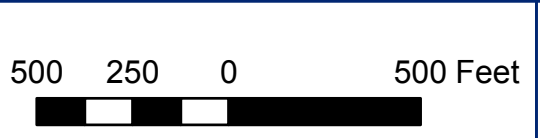
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- REQUIRED FUTURE INSPECTIONS

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PROJECT NO.:	YO1625	
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FILE:	Sidewalk_25.MXD	
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United City of Yorkville
Storm Sewer Atlas Maps
Exhibit B (Sheet 25)





ADA Sidewalk Legend

- COMPLIANT
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- NEAR COMPLIANT
- REQUIRED FUTURE INSPECTIONS

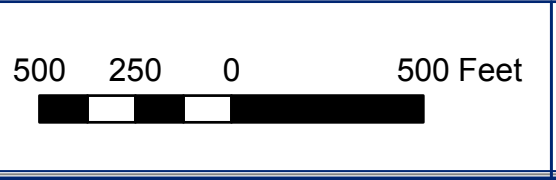
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PATH:	H:\GIS\PUBLIC\YORKVILLE\2016\
FILE:	Sidewalk_26.MXD



**United City of Yorkville
 Sidewalk Atlas Maps
 Exhibit B (Sheet 26)**



ADA Sidewalk Legend

- COMPLIANT
- NON COMPLIANT
- NEAR COMPLIANT
- REQUIRED FUTURE INSPECTIONS



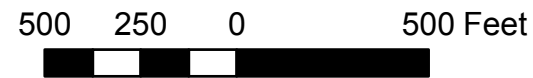
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FILE:	Sidewalk_27.MXD



United City of Yorkville
Sidewalk Atlas Maps
Exhibit B (Sheet 27)





ADA Sidewalk Legend

- COMPLIANT
- NON COMPLIANT
- NEAR COMPLIANT
- REQUIRED FUTURE INSPECTIONS

See Sheet 27

See Sheet 25

See Sheet 30

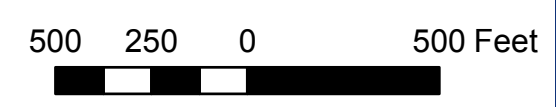
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PROJECT NO.:	YO1625
BY:	MJT
PATH:	H:\GIS\PUBLIC\YORKVILLE\2016\
FILE:	Sidewalk_28.MXD



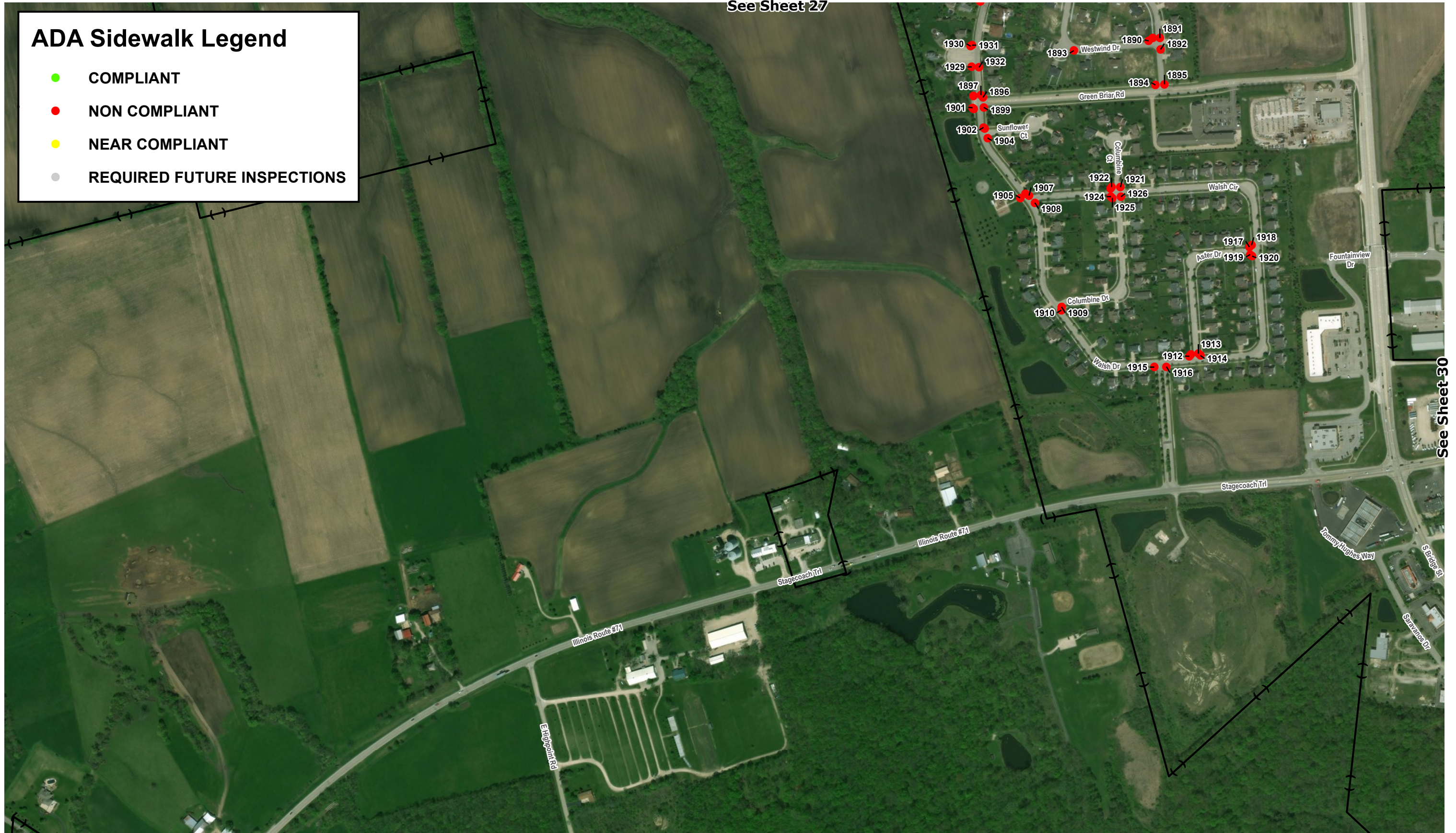
United City of Yorkville
Storm Sewer Atlas Maps
Exhibit B (Sheet 28)



See Sheet 27

ADA Sidewalk Legend

- COMPLIANT
- NON COMPLIANT
- NEAR COMPLIANT
- REQUIRED FUTURE INSPECTIONS



See Sheet 30

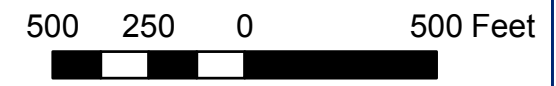
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DATE:	March 2018
PROJECT NO.:	YO1625
BY:	MJT
PATH:	H:\GIS\PUBLIC\YORKVILLE\2016\
FILE:	Sidewalk_29.MXD



United City of Yorkville
Sidewalk Atlas Maps
Sheet 29



See Sheet 28



ADA Sidewalk Legend

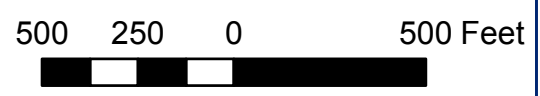
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- REQUIRED FUTURE INSPECTIONS

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BY:	MJT	
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FILE:	Sidewalk_30.MXD	
NO.	DATE	REVISIONS



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Sidewalk Atlas Maps
Exhibit B (Sheet 30)



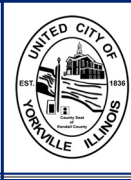


ADA Sidewalk Legend

- COMPLIANT
- NON COMPLIANT
- NEAR COMPLIANT
- REQUIRED FUTURE INSPECTIONS

See Sheet 33

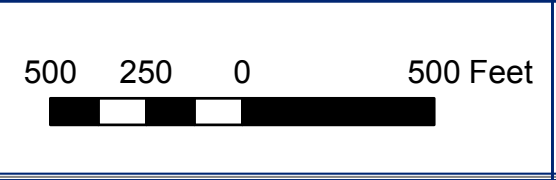
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 FILE: Sidewalk_31.MXD



**United City of Yorkville
 Sidewalk Atlas Maps
 Exhibit B (Sheet 31)**

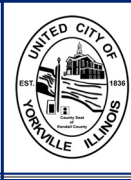




ADA Sidewalk Legend

- COMPLIANT
- NON COMPLIANT
- NEAR COMPLIANT
- REQUIRED FUTURE INSPECTIONS

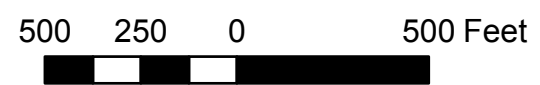
Engineering Enterprises, Inc.
 52 Wheeler Road
 Sugar Grove, Illinois 60554
 (630) 466-6700
 www.eeiweb.com



United City of Yorkville
 800 Game Farm Road
 Yorkville, IL 60560
 630-553-4350
 www.yorkville.il.us

NO.	DATE	REVISIONS

DATE: March 2018
 PROJECT NO.: YO1625
 BY: MJT
 PATH: H:\GIS\PUBLIC\YORKVILLE\2016\
 FILE: Sidewalks_42.MXD



**United City of Yorkville
 Sidewalk Atlas Maps
 Exhibit B (Sheet 32)**



See Sheet 31



ADA Sidewalk Legend

- COMPLIANT
- NON COMPLIANT
- NEAR COMPLIANT
- REQUIRED FUTURE INSPECTIONS

See Sheet 32

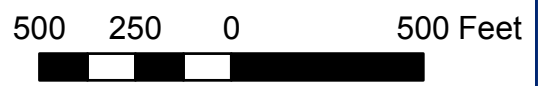
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NO.	DATE	REVISIONS

DATE: March 2018
 PROJECT NO.: YO1625
 BY: MJT
 PATH: H:\GIS\PUBLIC\YORKVILLE\2016\
 FILE: Sidewalk_33.MXD



**United City of Yorkville
 Sidewalk Atlas Maps
 Exhibit B (Sheet 33)**



EXHIBIT C

COMPILED FIELD DATA

FID	Street Name	Cross Street	Detectable Warning Tile (Comp or Non-Comp)	Running Slope of Ramp (%)	Ramp Cross Slope (%)	Common Square Slope (%)	Depressed Curb & Gutter (Yes, No or N/A)	Curb & Gutter slope (%)	Corresponding Ramp (Yes or No)	Cross Slope of Adjacent Squares (%)	INSP BY:	Date	EQUIP
705	Goodwill PL	E Countryside Pkwy	Non Comp	1.1	5.2	3.9	Yes	5.3	Yes	3.1	TS	6/26/2017	Smart Level
706	Goodwill PL	E Countryside Pkwy	Non Comp	0.5	2.5	2.5	Yes	5	Yes	2.2	TS	6/26/2017	Smart Level
707	Goodwill PL	E Countryside Pkwy	Non Comp	0.6	4.3	4.5	Yes	4.6	Yes	3.9	TS	6/26/2017	Smart Level
708	Goodwill PL	E Countryside Pkwy	Non Comp	0.5	5.5	5.6	No	4	Yes	4.2	TS	6/26/2017	Smart Level
759	W CountrySide Pkwy	W Kendall Dr.	Comp	4.1	2.4	4.9	Yes	1.9	Yes	4.2,4.4	TS	6/26/2017	Smart Level
760	W CountrySide Pkwy	W Kendall Dr.	Comp	6.2	0.6	2.8	Yes	0.1	Yes	1.0,2.8	TS	6/26/2017	Smart Level
761	W CountrySide Pkwy	W Kendall Dr.	Comp	3.2	1.4	2.3	Yes	0.2	Yes	1.0,1.0	TS	6/26/2017	Smart Level
764	Center Pkwy	W Kendall Dr.	Comp	3.8	0.6	1.8	Yes	0.5	No	0.1,0.2	TS	6/26/2017	Smart Level
766	Center Pkwy	W Kendall Dr.	Comp	3.5	1.1	2.3	Yes	0.5	No	0.8,0.9	TS	6/26/2017	Smart Level
853	Freemont St.	Walnut St.	Non Comp	10.9	2.8	5	Yes	3	Yes	0.1,5.6	TS	6/22/2017	Smart Level
854	Freemont St.	Walnut St.	Non Comp	7.8	3.9	6.9	No	1	Yes	1.6	TS	6/22/2017	Smart Level
855	Freemont St.	Walnut St.	Comp	5.6	1	2	N/A	N/A	Yes	1.9	TS	6/22/2017	Smart Level
856	Freemont St.	Walnut St.	Comp	3.1	0.3	2	N/A	N/A	Yes	1.9	TS	6/22/2017	Smart Level
857	Freemont St.	Walnut St.	Comp	0.6	2.1	1.3	N/A	N/A	Yes	2.9,2.1	TS	6/22/2017	Smart Level
858	Freemont St.	Walnut St.	Comp	0.7	0.5	1.3	N/A	N/A	Yes	2.1,2.9	TS	6/22/2017	Smart Level
935	Clearwater Dr.	Kate Dr.	N/A	13.9	0.7	1.3	No	0.6	Yes	1.6,1.4	TS	6/22/2017	Smart Level
936	Clearwater Dr.	Kate Dr.	Non Comp	9.3	35.2	3	No	1.7	Yes	3.5,2.5	TS	6/22/2017	Smart Level
937	Clearwater Dr.	Kate Dr.	Non Comp	11.5	3.4	3	No	2.3	Yes	2.5,3.5	TS	6/22/2017	Smart Level
938	Clearwater Dr.	Kate Dr.	N/A	12.2	4.4	1.9	No	1.9	Yes	1.0,2.5	TS	6/22/2017	Smart Level
939	Clearwater Dr.	Kate Dr.	N/A	8.7	1.9	1.9	Yes	1.3	Yes	2.5,1.0	TS	6/22/2017	Smart Level
940	Clearwater Dr.	Kate Dr.	Non Comp	7.8	1.4	1.3	No	0.3	Yes	1.8,1.7	TS	6/22/2017	Smart Level
948	Clearwater Dr.		Non Comp	9	0.9	2.6	Yes	0.7	Yes	2.4,2.2	TS	6/22/2017	Smart Level
953	East Spring Street	Clearwater Dr	Non Comp	8.7	2.7	2.3	Yes	3.6	Yes	1.6,2.3	TS	6/22/2017	Smart Level
956	East Spring Street	Deerpath Dr.	N/A	10.6	0.6	2.7	Yes	1.2	Yes	2.6,2.6	TS	6/22/2017	Smart Level
957	East Spring Street	Deerpath Dr.	N/A	7.6	2.3	1.3	Yes	0.4	Yes	2.6,5.0	TS	6/22/2017	Smart Level
958	East Spring Street	Deerpath Dr.	Non Comp	6.6	4.9	3.1	Yes	3.4	Yes	2.3,1.9	TS	6/22/2017	Smart Level
959	East Spring Street	Deerpath Dr.	Non Comp	10.7	2.3	1.3	Yes	2	Yes	1.9,2.3	TS	6/22/2017	Smart Level
962	East Spring Street	Deerpath Dr.	N/A	8.5	3.2	1.3	Yes	0.6	Yes	2.6,1.5	TS	6/22/2017	Smart Level
972	Birchwood Rd.	East Spring Street	Non Comp	6.9	5.7	4.9	Yes	1.8	Yes	4.1,1.8	TS	6/22/2017	Smart Level
973	Birchwood Rd.	East Spring Street	Non Comp	9.4	2.4	4.9	Yes	1.1	Yes	1.8,4.1	TS	6/22/2017	Smart Level
985	East Spring Street	Auburn Dr.	N/A	5	1.9	0.8	Yes	1.1	Yes	1.0,0.1	TS	6/22/2017	Smart Level
986	East Spring Street	Auburn Dr.	N/A	13	0.6	0.8	Yes	1.3	Yes	0.1,1.0	TS	6/22/2017	Smart Level
987	East Spring Street	Auburn Dr.	N/A	10.4	0.9	1.7	Yes	1.4	Yes	1.3,1.3	TS	6/22/2017	Smart Level
988	East Spring Street	Auburn Dr.	N/A	14.8	1.5	1.9	Yes	1.6	Yes	1.6,1.6	TS	6/22/2017	Smart Level
989	East Spring Street	Auburn Dr.	Non Comp	7.9	2.8	1.3	Yes	1.3	Yes	1.1,1.4	TS	6/22/2017	Smart Level
990	East Spring Street	Auburn Dr.	Non Comp	5.4	2.5	0.4	Yes	2	Yes	1.4,1.1	TS	6/22/2017	Smart Level
991	East Spring Street	Omaha Dr.	Non Comp	10.1	0.5	3.4	Yes	0.8	Yes	3.5,3.3	TS	6/22/2017	Smart Level
992	East Spring Street	Omaha Dr.	Non Comp	11.6	4.4	3.7	Yes	0.9	Yes	3.4,1.3	TS	6/22/2017	Smart Level
993	East Spring Street	Omaha Dr.	Non Comp	12.1	4.3	3.7	Yes	0.8	Yes	1.3,3.4	TS	6/22/2017	Smart Level
994	East Spring Street	Omaha Dr.	Non Comp	3.9	1.6	2.8	Yes	0.7	Yes	2.5,2.3	TS	6/22/2017	Smart Level
995	East Spring Street	Omaha Dr.	Non Comp	4	1.1	2.8	Yes	1.8	No	2.3,2.5	TS	6/22/2017	Smart Level
1002	Ohama Dr.	Grace Dr.	Non Comp	5.4	2.7	3.6	Yes	0.3	Yes	2.8,2.8	TS	6/22/2017	Smart Level

FID	Street Name	Cross Street	Detectable Warning Tile (Comp or Non-Comp)	Running Slope of Ramp (%)	Ramp Cross Slope (%)	Common Square Slope (%)	Depressed Curb & Gutter (Yes, No or N/A)	Curb & Gutter slope (%)	Corresponding Ramp (Yes or No)	Cross Slope of Adjacent Squares (%)	INSP BY:	Date	EQUIP
1003	Ohama Dr.	Grace Dr.	Non Comp	6.8	1.8	3.6	Yes	1.1	Yes	2.8,2.8	TS	6/22/2017	Smart Level
1004	Ohama Dr.	Grace Dr.	Non Comp	8.1	0.1	3	No	2.6	Yes	1.1,3.3	TS	6/22/2017	Smart Level
1005	Ohama Dr.	Grace Dr.	Non Comp	4	1.9	3	No	0.5	Yes	3.3,1.1	TS	6/22/2017	Smart Level
1006	Ohama Dr.	Grace Dr.	N/A	8.8	1.3	2.8	Yes	0.1	Yes	2.8,2.7	TS	6/22/2017	Smart Level
1007	Ohama Dr.	Grace Dr.	N/A	11.4	1.1	2.1	Yes	0.2	Yes	1.9,1.9	TS	6/22/2017	Smart Level
1010	Ohama Dr.	Kate Dr.	Non Comp	8.8	6.4	1.5	Yes	1.5	Yes	1.9,1.6	TS	6/22/2017	Smart Level
1011	Ohama Dr.	Kate Dr.	Non Comp	9.1	6.7	0.3	No	0.3	Yes	1.6,1.9	TS	6/22/2017	Smart Level
1012	Ohama Dr.	Kate Dr.	N/A	13.1	0.5	1.9	Yes	1.9	Yes	2.4,4.7	TS	6/22/2017	Smart Level
1013	Ohama Dr.	Kate Dr.	N/A	8.8	3.5	3.9	Yes	3.9	Yes	4.7,2.4	TS	6/22/2017	Smart Level
1030	Taus Cir	Blue Jay Rd.	Non Comp	11.6	2.5	2.5	Yes	0.7	Yes	2.5,2.7	TS	6/22/2017	Smart Level
1031	Taus Cir	Blue Jay Rd.	Non Comp	8.4	1.3	2.5	Yes	0.3	No	2.7,2.5	TS	6/22/2017	Smart Level
1283	Cannonball Trl	John St.	Comp	8	3.7	1.1	Yes	2.3	Yes	1.4,0.2	TS	6/26/2017	Smart Level
1284	Cannonball Trl	John St.	Comp	5.6	1.9	1.1	Yes	1.7	Yes	0.2,1.4	TS	6/26/2017	Smart Level
1285	Cannonball Trl	John St.	Comp	3.3	0.3	2.5	Yes	0.5	Yes	2.5,1.1	TS	6/26/2017	Smart Level
1286	Cannonball Trl	John St.	Comp	3.3	0.8	2.5	Yes	0.8	Yes	1.1,2.5	TS	6/26/2017	Smart Level
1287	Cannonball Trl	John St.	Comp	5.9	1.1	1	Yes	0.3	Yes	1.1,3.0	TS	6/26/2017	Smart Level
1288	Cannonball Trl	John St.	Comp	4.9	0.9	1	Yes	0.3	Yes	3.0,1.1	TS	6/26/2017	Smart Level
1289	Cannonball Trl	John St.	Comp	4	0.8	0.1	Yes	0.7	Yes	1.0,1.4	TS	6/26/2017	Smart Level
1290	Cannonball Trl	John St.	Comp	4.6	1.6	0.1	Yes	0.2	Yes	1.4,1.0	TS	6/26/2017	Smart Level
1291	Independence St.	John St.	Comp	7.7	3.3	0.8	Yes	3.9	Yes	1	TS	6/27/2017	Smart Level
1292	Independence St.	John St.	Comp	9.6	2.4	3.8	Yes	2.9	Yes	5.7,2.2	TS	6/27/2017	Smart Level
1293	Independence St.	John St.	Comp	12.4	1.3	3.8	Yes	0.1	Yes	2.2,5.7	TS	6/27/2017	Smart Level
1294	Cannonball Trl	Independence Blvd.	Comp	9.3	2.3	0.8	Yes	1.2	Yes	1.9,1.2	TS	6/26/2017	Smart Level
1295	Cannonball Trl	Independence Blvd.	Comp	7.7	2.1	0.8	Yes	3.5	Yes	1.2,1.9	TS	6/26/2017	Smart Level
1296	Cannonball Trl	Independence Blvd.	Comp	4.6	1	2.1	Yes	1.2	Yes	2.2,1.5	TS	6/26/2017	Smart Level
1297	Cannonball Trl	Independence Blvd.	Comp	5.6	0.3	2.1	Yes	0.6	Yes	1.5,2.2	TS	6/26/2017	Smart Level
1298	Cannonball Trl	Independence Blvd.	Comp	5	0.5	3.4	Yes	0.9	Yes	1.6,4.0	TS	6/26/2017	Smart Level
1299	Cannonball Trl	Independence Blvd.	Comp	8	4.6	3.4	Yes	1.9	Yes	4.0,1.6	TS	6/26/2017	Smart Level
1300	Cannonball Trl	Independence Blvd.	Comp	7.6	2.1	0.8	Yes	0	Yes	1.3,1.4	TS	6/26/2017	Smart Level
1301	Cannonball Trl	Independence Blvd.	Comp	6.6	1.4	0.8	Yes	1.9	Yes	1.4,1.3	TS	6/26/2017	Smart Level
1306	Cannonball Trl	Cody Ct.	Non Comp	10.3	4.9	2.1	Yes	1.5	Yes	1.0,1.3	TS	6/26/2017	Smart Level
1307	Cannonball Trl	Cody Ct.	Non Comp	11.5	2	2.1	Yes	2.1	No	1.3,1.0	TS	6/26/2017	Smart Level
1308	Cannonball Trl	Carly Dr.	Non Comp	15.2	6.9	2.6	No	0.9	Yes	1.8,3.2	TS	6/27/2017	Smart Level
1309	Cannonball Trl	Carly Dr.	Non Comp	14.8	5.6	2.6	Yes	1.6	No	3.2,1.8	TS	6/27/2017	Smart Level
1310	Cannonball Trl	Carly Dr.	Non Comp	14.1	4.8	2.8	No	0.5	Yes	1.5,2.2	TS	6/27/2017	Smart Level
1311	Cannonball Trl	Carly Dr.	Non Comp	16.8	4	2.8	No	1.6	Yes	2.2,1.5	TS	6/27/2017	Smart Level
1312	Cannonball Trl	Carly Dr.	Non Comp	13.8	3.3	2.5	No	0.2	Yes	1.4,1.2	TS	6/27/2017	Smart Level
1313	Cannonball Trl	Carly Dr.	Non Comp	17.2	2.4	2.5	No	0.8	No	1.2,1.4	TS	6/27/2017	Smart Level
1314	Cannonball Trl	Purcell St.	Non Comp	10.8	0.8	3.3	Yes	0.1	Yes	3.7,1.7	TS	6/27/2017	Smart Level
1315	Cannonball Trl	Purcell St.	Non Comp	11.9	2.9	3.3	Yes	0.5	Yes	1.7,3.7	TS	6/27/2017	Smart Level
1316	Carly Dr.	Carly Ct.	Non Comp	9.6	2	3.6	Yes	1.1	Yes	2.0,2.1	TS	6/27/2017	Smart Level
1317	Carly Dr.	Carly Ct.	Non Comp	7.9	3	3.6	Yes	0.4	Yes	2.1,2.0	TS	6/27/2017	Smart Level
1318	Carly Dr.	Carly Ct.	Non Comp	16.5	4.2	3.3	No	0.2	Yes	1.9,1.5	TS	6/27/2017	Smart Level

FID	Street Name	Cross Street	Detectable Warning Tile (Comp or Non-Comp)	Running Slope of Ramp (%)	Ramp Cross Slope (%)	Common Square Slope (%)	Depressed Curb & Gutter (Yes, No or N/A)	Curb & Gutter slope (%)	Corresponding Ramp (Yes or No)	Cross Slope of Adjacent Squares (%)	INSP BY:	Date	EQUIP
1319	Carly Dr.	Carly Ct.	Non Comp	13.1	2.4	3.3	Yes	0.2	Yes	1.5,1.9	TS	6/27/2017	Smart Level
1320	Carly Dr.	Carly Ct.	Non Comp	7.7	0.6	2.9	Yes	1.3	Yes	2.6,2.9	TS	6/27/2017	Smart Level
1321	Carly Dr.	Carly Ct.	Non Comp	10.4	1.6	2	Yes	0.4	Yes	2.4,1.5	TS	6/27/2017	Smart Level
1343	Game Farm Rd.	W Somonauk St.	Comp	3	2.6	2.6	Yes	2.6	Yes	1.5	TS	6/20/2017	Smart Level
1344	Game Farm Rd.	W Somonauk St.	Comp	1	0.6	0.9	Yes	1.9	Yes	0.7	TS	6/20/2017	Smart Level
1345	West St.	W Somonauk St.	Comp	5.2	4.8	7.3	Yes	7.1	Yes	0.1	TS	6/20/2017	Smart Level
1346	West St.	W Somonauk St.	Comp	3.4	2.2	4.2	Yes	4.3	Yes	1.8	TS	6/20/2017	Smart Level
1347	King St.	W Somonauk St.	Comp	4	2.7	2.3	Yes	0.1	Yes	0.3,2.4	TS	6/20/2017	Smart Level
1348	King St.	W Somonauk St.	Comp	9.4	1.4	1.9	Yes	1.3	Yes	1.9	TS	6/20/2017	Smart Level
1349	King St.	W Somonauk St.	Comp	1.8	1.1	3.1	Yes	1.2	Yes	2.7,1.2	TS	6/20/2017	Smart Level
1350	King St.	W Somonauk St.	Comp	0.9	0.2	3.1	Yes	1.6	Yes	1.2,2.7	TS	6/20/2017	Smart Level
1480	Church St.	W Somonauk St.	Comp	1.1	0.3	0.9	N/A	N/A	Yes	0.9	TS	6/20/2017	Smart Level
1482	Tower Ln.	W Somonauk St.	Comp	5.4	1	0.3	Yes	1.7	Yes	0.3	TS	6/20/2017	Smart Level
1489	Church St.	W Somonauk St.	Comp	3.9	3.6	3.3	N/A	N/A	Yes	3.3	TS	6/20/2017	Smart Level
1497	Bristol Ave	Jackson St.	Comp	0.6	0.4	2.3	N/A	N/A	Yes	2	TS	6/22/2017	Smart Level
1498	Bristol Ave	Jackson St.	Comp	0.2	1.4	1.5	N/A	N/A	Yes	1.1,1.3	TS	6/22/2017	Smart Level
1499	Freemont St.	Jackson St.	Comp	7.3	0.1	3.1	N/A	N/A	Yes	1.8	TS	6/22/2017	Smart Level
1501	Freemont St.	Jackson St.	Comp	1.9	0.1	2.2	Yes	1.6	Yes	1.4,0.1	TS	6/22/2017	Smart Level
1502	Freemont St.	Jackson St.	Comp	2.8	0.6	2.2	Yes	0.7	No	0.1,1.4	TS	6/22/2017	Smart Level
1504	McHugh Rd	Martin Ave.	Non Comp	1	1.5	3.8	No	0.2	Yes	1.7,1.5	TS	6/21/2017	Smart Level
1508	Freemont St.	Elm St.	Comp	4.4	1	3.3	Yes	3.1	Yes	1.8,1.4	TS	6/21/2017	Smart Level
1509	Freemont St.	Elm St.	Comp	1.4	0.6	1.5	Yes	0.7	Yes	2	TS	6/21/2017	Smart Level
1510	Freemont St.	Elm St.	Comp	3	0.6	2.4	Yes	1.9	Yes	2.3,2.5	TS	6/21/2017	Smart Level
1511	Freemont St.	Elm St.	Comp	3.8	0.7	2.7	Yes	0.6	Yes	1.0,2.5	TS	6/21/2017	Smart Level
1513	Freemont St.	Park St.	Comp	6.6	1	3.6	Yes	4.6	Yes	0.6,3.1	TS	6/22/2017	Smart Level
1514	Freemont St.	Park St.	Comp	1.5	1.5	3.6	Yes	2.4	Yes	3.1,0.6	TS	6/22/2017	Smart Level
1515	Freemont St.	Park St.	Comp	8.3	4.6	5.2	Yes	4.2	Yes	5.4,2.1	TS	6/22/2017	Smart Level
1516	Freemont St.	Park St.	Comp	4.6	2.6	5.2	Yes	3.8	Yes	2.1,5.4	TS	6/22/2017	Smart Level
1517	Freemont St.	Park St.	Comp	3.2	1.7	2.5	Yes	3.5	Yes	0.9,0.1	TS	6/22/2017	Smart Level
1518	Freemont St.	Park St.	Comp	8.5	1	2.5	Yes	1.6	Yes	0.1,0.9	TS	6/22/2017	Smart Level
1520	McHugh Rd.	E Park St.	Non Comp	2	1.1	2.9	Yes	1.4	Yes	0.4,0.7	TS	6/21/2017	Smart Level
1521	McHugh Rd.	E Somonauk St.	Non Comp	6.2	1.6	3	Yes	0.7	No	0.6,0.8	TS	6/21/2017	Smart Level
1522	McHugh Rd.	E Somonauk St.	Non Comp	3.7	1.4	3	Yes	0.6	Yes	0.8,0.6	TS	6/21/2017	Smart Level
1523	McHugh Rd.	E Somonauk St.	Non Comp	9.6	4.5	4	No	2.5	Yes	1.8,2.8	TS	6/21/2017	Smart Level
1524	McHugh Rd.	E Somonauk St.	Non Comp	11.4	1.6	4	Yes	1.4	No	2.8,1.8	TS	6/21/2017	Smart Level
1528	Freemont St.	E Somonauk St.	Comp	5.7	4.5	3.1	Yes	2.5	Yes	2.0,2.0	TS	6/21/2017	Smart Level
1529	Freemont St.	E Somonauk St.	Comp	7.7	1.9	3.1	Yes	1.3	Yes	2.0,2.0	TS	6/21/2017	Smart Level
1530	Freemont St.	E Somonauk St.	Comp	2.8	1.4	4.5	Yes	0.3	Yes	4.4,2.6	TS	6/21/2017	Smart Level
1531	Freemont St.	E Somonauk St.	Comp	8.3	3.1	4.5	Yes	1.9	Yes	2.6,4.4	TS	6/21/2017	Smart Level
1532	Freemont St.	E Somonauk St.	Comp	10	0.2	2.1	Yes	2.2	Yes	1.6,1.9	TS	6/21/2017	Smart Level
1533	Freemont St.	E Somonauk St.	Comp	4.3	2.7	2.1	Yes	1.2	Yes	1.9,1.6	TS	6/21/2017	Smart Level
1534	Freemont St.	E Somonauk St.	Comp	9.3	2.5	3	Yes	1.3	Yes	2.9,0.5	TS	6/21/2017	Smart Level
1535	Freemont St.	E Somonauk St.	Comp	5.9	1	3	Yes	1.2	Yes	0.5,2.9	TS	6/21/2017	Smart Level

FID	Street Name	Cross Street	Detectable Warning Tile (Comp or Non-Comp)	Running Slope of Ramp (%)	Ramp Cross Slope (%)	Common Square Slope (%)	Depressed Curb & Gutter (Yes, No or N/A)	Curb & Gutter slope (%)	Corresponding Ramp (Yes or No)	Cross Slope of Adjacent Squares (%)	INSP BY:	Date	EQUIP
1536	E Somonauk St.	Liberty St.	Comp	2.5	0.5	1.5	Yes	2.3	Yes	1.4,0.2	TS	6/21/2017	Smart Level
1537	E Somonauk St.	Liberty St.	Comp	4.9	1.9	1.5	Yes	2.9	Yes	0.2,1.4	TS	6/21/2017	Smart Level
1538	E Somonauk St.	Liberty St.	Comp	7.7	0.8	1.3	Yes	2	Yes	1.3	TS	6/21/2017	Smart Level
1539	E Somonauk St.	Liberty St.	Comp	4.8	0.5	3.6	Yes	1	Yes	1.0,3.5	TS	6/21/2017	Smart Level
1540	E Somonauk St.	Liberty St.	Comp	2.4	3	3.6	Yes	0.5	Yes	3.5,1.0	TS	6/21/2017	Smart Level
1541	E Somonauk St.	Liberty St.	Comp	9.3	2.5	2	Yes	0.3	Yes	3.4	TS	6/21/2017	Smart Level
1542	E Somonauk St.	Bristol Ave.	Comp	4.1	1	2.5	Yes	0.4	No	2.4	TS	6/21/2017	Smart Level
1543	E Somonauk St.	Bristol Ave.	Comp	7.1	1	2.5	Yes	0.9	Yes	2.4	TS	6/21/2017	Smart Level
1544	E Somonauk St.	Bristol Ave.	Comp	2.6	1.2	2.6	Yes	0.9	Yes	2.1	TS	6/21/2017	Smart Level
1545	E Somonauk St.	Colton St.	Comp	4.7	1.4	1.4	Yes	0.9	Yes	0.9	TS	6/21/2017	Smart Level
1546	E Somonauk St.	Colton St.	Comp	4.3	2.6	4.3	Yes	2.9	Yes	6.8,3.0	TS	6/21/2017	Smart Level
1547	E Somonauk St.	Colton St.	Comp	10.2	2	4.3	Yes	2.3	No	3.0,6.8	TS	6/21/2017	Smart Level
1562	Freemont St.	E Spring St.	Comp	7.5	2.6	2.8	Yes	0.6	Yes	2.5,0.4	TS	6/21/2017	Smart Level
1563	Freemont St.	E Spring St.	Comp	7.5	0.8	2.8	Yes	0.2	Yes	0.4,2.5	TS	6/21/2017	Smart Level
1564	Freemont St.	E Spring St.	Comp	5.3	1.7	3.2	Yes	0.1	Yes	4.2,2.5	TS	6/21/2017	Smart Level
1565	Freemont St.	E Spring St.	Comp	6	1	3.2	Yes	0.2	Yes	2.5,4.2	TS	6/21/2017	Smart Level
1566	Freemont St.	E Spring St.	Comp	10.8	1	2.2	Yes	0.1	Yes	0.3,1.3	TS	6/21/2017	Smart Level
1567	Freemont St.	E Spring St.	Comp	7.7	1.7	2.2	Yes	1.9	Yes	1.3,0.3	TS	6/21/2017	Smart Level
1568	Freemont St.	E Spring St.	Non Comp	5.5	0.3	1.9	Yes	1.3	Yes	1.4,3.1	TS	6/21/2017	Smart Level
1569	McHugh Rd.	E Spring St.	Comp	1.9	3.5	1.4	Yes	2.1	Yes	1.4,0.5	TS	6/23/2017	Smart Level
1572	McHugh Rd.	E Spring St.	Comp	9.8	6.8	6.1	No	0.9	Yes	2.4,1.6	TS	6/23/2017	Smart Level
1577	West St.	W Center St.	Comp	1	1.5	1.7	N/A	N/A	Yes	1.5	TS	6/20/2017	Smart Level
1578	West St.	W Center St.	Comp	2.6	2	4.6	N/A	N/A	Yes	6	TS	6/20/2017	Smart Level
1579	West St.	W Center St.	N/A	4.3	2.2	3.8	N/A	N/A	No	2.3,1.5	TS	6/20/2017	Smart Level
1587	Church St.	W Center St.	Comp	5	1.3	1.7	N/A	N/A	Yes	0.4,1.2	TS	6/20/2017	Smart Level
1588	Church St.	W Center St.	Comp	0.1	1.8	1.7	N/A	N/A	Yes	1.2,0.4	TS	6/20/2017	Smart Level
1590	Church St.	W Center St.	Non Comp	4.6	1.4	2.7	Yes	0.3	Yes	1.4,3.9	TS	6/20/2017	Smart Level
1591	Church St.	W Center St.	Non Comp	1.9	3.3	2.7	N/A	N/A	Yes	3.9,1.4	TS	6/20/2017	Smart Level
1592	Church St.	W Center St.	Comp	6.7	2.9	3	N/A	N/A	Yes	2.6,0.3	TS	6/20/2017	Smart Level
1593	Church St.	W Center St.	Non Comp	9.7	0.8	3	No	0.1	Yes	0.3,2.6	TS	6/20/2017	Smart Level
1605	Church St.	W Somonauk St.	Comp	3.2	1.3	3.5	Yes	2.5	Yes	3.4,1.6	TS	6/20/2017	Smart Level
1606	Church St.	W Somonauk St.	Comp	4.4	0.3	1.9	Yes	0.2	Yes	1.9,0.5	TS	6/20/2017	Smart Level
1607	Church St.	W Somonauk St.	Comp	6.7	1.4	4.3	Yes	1.7	Yes	1.7,1.7	TS	6/20/2017	Smart Level
1609	King St.	W Main St.	N/A	3.8	0.8	2	N/A	N/A	Yes	0.6,1.7	TS	6/20/2017	Smart Level
1610	King St.	W Main St.	N/A	1.1	3.2	2	N/A	N/A	Yes	1.7,0.6	TS	6/20/2017	Smart Level
1611	King St.	W Main St.	N/A	2.9	2.4	1.2	N/A	N/A	Yes	0.9,1.0	TS	6/20/2017	Smart Level
1612	King St.	W Main St.	Non Comp	3.4	5.2	4.5	N/A	N/A	Yes	3.5	TS	6/20/2017	Smart Level
1613	Church St.	W Main St.	Comp	6.1	1	1.8	N/A	N/A	Yes	0.4,1.2	TS	6/20/2017	Smart Level
1614	Church St.	W Main St.	Comp	2.1	0.6	1.8	N/A	N/A	Yes	1.2,0.4	TS	6/20/2017	Smart Level
1615	Church St.	W Main St.	Non Comp	0.6	0.8	3.3	N/A	N/A	Yes	3.0,2.9	TS	6/20/2017	Smart Level
1616	Church St.	W Main St.	Non Comp	5.8	1.8	3.3	N/A	N/A	Yes	2.9,3.0	TS	6/20/2017	Smart Level
1617	Church St.	W Main St.	Comp	0.2	1.4	1.4	N/A	N/A	Yes	0.6	TS	6/20/2017	Smart Level
1618	Church St.	W Main St.	Non Comp	5.2	0.6	2.3	N/A	N/A	Yes	1.1	TS	6/20/2017	Smart Level

FID	Street Name	Cross Street	Detectable Warning Tile (Comp or Non-Comp)	Running Slope of Ramp (%)	Ramp Cross Slope (%)	Common Square Slope (%)	Depressed Curb & Gutter (Yes, No or N/A)	Curb & Gutter slope (%)	Corresponding Ramp (Yes or No)	Cross Slope of Adjacent Squares (%)	INSP BY:	Date	EQUIP
1638	McHugh Rd.	E Main St.	Comp	10	0.4	1	Yes	3.2	Yes	0.7,0.4	TS	6/23/2017	Smart Level
1644	Bruell St.	E Main St.	Comp	2.8	0.8	1.4	Yes	0.3	Yes	1.3,1.5	TS	6/23/2017	Smart Level
1650	Oakwood St.	Behrens St.	Comp	8.2	0.8	0.8	Yes	0.3	No	1.0,1.0	TS	6/23/2017	Smart Level
1679	S Main St.	W Van Emmon St.	N/A	6	3.7	0.5	N/A	N/A	Yes	0.3,0.9	TS	6/12/2017	Smart Level
1680	S Main St.	W Van Emmon St.	N/A	N/A	N/A	0.5	N/A	N/A	Yes	0.3,0.10	TS	6/12/2017	Smart Level
1681	S Main St.	W Van Emmon St.	N/A	20.5	0.5	9.7	N/A	N/A	Yes	5.6,2.3	TS	6/12/2017	Smart Level
1682	S Main St.	W Van Emmon St.	Non Comp	16	8.9	9.7	N/A	N/A	Yes	5.6,2.4	TS	6/12/2017	Smart Level
1685	S Main St.	W Van Emmon St.	Non Comp	13.1	0.6	N/A	N/A	N/A	Yes	0.3	TS	6/12/2017	Smart Level
1704	State St.	W Madison St.	N/A	7.3	13.9	11.5	N/A	N/A	Yes	4.4	TS	6/12/2017	Smart Level
1706	State St.	W Madison St.	N/A	3	1.2	3.4	N/A	N/A	No	2	TS	6/12/2017	Smart Level
1707	S Main St.	W Madison St.	Non Comp	4	8.5	8.5	Yes	4.9	Yes	6.2,1.6	TS	6/12/2017	Smart Level
1708	S Main St.	W Madison St.	Comp	6.2	2.2	4.4	N/A	N/A	Yes	0.7	TS	6/12/2017	Smart Level
1709	S Main St.	W Madison St.	Non Comp	2.4	2.7	4.4	N/A	N/A	Yes	0.7	TS	6/12/2017	Smart Level
1710	S Main St.	W Madison St.	N/A	0.9	4.9	5.5	N/A	N/A	Yes	2.4,3.6	TS	6/12/2017	Smart Level
1711	S Main St.	W Madison St.	N/A	19.3	1.4	5.5	N/A	N/A	No	3.6,2.4	TS	6/12/2017	Smart Level
1713	S Main St.	W Ridge St.	Non Comp	9.6	0.9	2.5	N/A	N/A	Yes	1.7,1.8	TS	6/12/2017	Smart Level
1714	S Main St.	W Ridge St.	Non Comp	10.1	1.7	2.5	N/A	N/A	Yes	1.8,1.7	TS	6/12/2017	Smart Level
1715	S Main St.	W Ridge St.	Comp	3.6	2	1.4	N/A	N/A	Yes	0.1,1.3	TS	6/12/2017	Smart Level
1716	S Main St.	W Ridge St.	N/A	0.3	0.5	1.2	N/A	N/A	Yes	1.1,0.9	TS	6/12/2017	Smart Level
1717	S Main St.	W Ridge St.	N/A	2.2	0	1.2	N/A	N/A	Yes	0.9,1.1	TS	6/12/2017	Smart Level
1718	S Main St.	W Ridge St.	Non Comp	3.1	0.7	1.4	N/A	N/A	Yes	1.3,0.1	TS	6/12/2017	Smart Level
1719	S Main St.	W Ridge St.	N/A	0.9	1	1	N/A	N/A	Yes	1.2,2.7	TS	6/12/2017	Smart Level
1720	State St.	W Ridge St.	Comp	6.9	0.6	1.4	N/A	N/A	Yes	1.6	TS	6/12/2017	Smart Level
1721	State St.	W Ridge St.	Comp	1.4	1.4	2	N/A	N/A	Yes	0.3,2.3	TS	6/14/2017	Smart Level
1722	State St.	W Ridge St.	Comp	2.1	1.6	2	N/A	N/A	Yes	2	TS	6/14/2017	Smart Level
1723	State St.	W Ridge St.	Comp	0.9	2.5	1.6	N/A	N/A	Yes	2.0,1.4	TS	6/14/2017	Smart Level
1724	Adams St.	W Ridge St.	Comp	2.6	0.4	0.3	N/A	N/A	Yes	0.2	TS	6/14/2017	Smart Level
1725	Adams St.	W Ridge St.	Comp	4.9	4.1	3.5	N/A	N/A	Yes	2.1,1.9	TS	6/14/2017	Smart Level
1726	Adams St.	W Ridge St.	Comp	5	2.9	3.5	N/A	N/A	Yes	1.9,2.1	TS	6/14/2017	Smart Level
1727	Adams St.	W Ridge St.	Comp	2.4	1.3	0.7	N/A	N/A	Yes	0.9,1.2	TS	6/14/2017	Smart Level
1728	Morgan St.	W Ridge St.	Comp	1.3	1.6	2.7	N/A	N/A	Yes	1.2	TS	6/14/2017	Smart Level
1729	Morgan St.	W Ridge St.	Comp	1.6	0.8	2.5	N/A	N/A	Yes	0.5	TS	6/14/2017	Smart Level
1730	Morgan St.	W Ridge St.	Comp	2.8	2.6	2.5	N/A	N/A	Yes	0.5	TS	6/14/2017	Smart Level
1731	Morgan St.	W Ridge St.	Comp	3.3	1.9	2.7	N/A	N/A	Yes	0.9,0.7	TS	6/14/2017	Smart Level
1732	Morgan St.	W Ridge St.	Comp	1.9	1.3	2.7	N/A	N/A	Yes	0.7,0.9	TS	6/14/2017	Smart Level
1733	Morgan St.	W Ridge St.	Comp	1.1	1.5	3.3	N/A	N/A	Yes	3.2	TS	6/14/2017	Smart Level
1734	Morgan St.	W Fox St.	Non Comp	3.2	1.4	2.3	N/A	N/A	No	1.3	TS	6/14/2017	Smart Level
1735	State St.	W Fox St.	Non Comp	4.3	0.3	2	N/A	N/A	Yes	5.2,1.2	TS	6/12/2017	Smart Level
1736	State St.	W Fox St.	Non Comp	1	0.9	1.4	N/A	N/A	Yes	1.3	TS	6/12/2017	Smart Level
1737	State St.	W Fox St.	Non Comp	5.4	0.6	3.3	N/A	N/A	Yes	0.3,2	TS	6/12/2017	Smart Level
1738	State St.	W Fox St.	Non Comp	1.2	2.6	3.3	N/A	N/A	Yes	3.2,0	TS	6/12/2017	Smart Level
1739	State St.	W Fox St.	Non Comp	0.4	1.6	0.4	N/A	N/A	Yes	0.8,0.2	TS	6/12/2017	Smart Level
1740	State St.	W Fox St.	Non Comp	1.9	0.7	2	N/A	N/A	Yes	1.2,5.2	TS	6/12/2017	Smart Level

FID	Street Name	Cross Street	Detectable Warning Tile (Comp or Non-Comp)	Running Slope of Ramp (%)	Ramp Cross Slope (%)	Common Square Slope (%)	Depressed Curb & Gutter (Yes, No or N/A)	Curb & Gutter slope (%)	Corresponding Ramp (Yes or No)	Cross Slope of Adjacent Squares (%)	INSP BY:	Date	EQUIP
1741	S Main St.	W Fox St.	Non Comp	8.5	0.1	3.5	Yes	1.9	Yes	3.0,0.4	TS	6/14/2017	Smart Level
1742	S Main St.	W Fox St.	Non Comp	3.4	2.9	3.5	Yes	3	Yes	0.4,3.0	TS	6/14/2017	Smart Level
1743	S Main St.	W Fox St.	Non Comp	3.5	4.2	0.9	Yes	2.7	Yes	1.0,1.7	TS	6/14/2017	Smart Level
1744	S Main St.	W Fox St.	Non Comp	4.8	6.1	0.9	Yes	2	Yes	1.7,1.0	TS	6/14/2017	Smart Level
1745	S Main St.	W Fox St.	Non Comp	5.7	2.7	1.2	Yes	1.6	Yes	0.2,1.5	TS	6/14/2017	Smart Level
1746	S Main St.	W Fox St.	Non Comp	1	2.4	1.2	Yes	3	Yes	1.5,0.2	TS	6/14/2017	Smart Level
1747	S Main St.	W Fox St.	Non Comp	4.2	0.3	0.8	Yes	3.5	Yes	1.5,1.0	TS	6/14/2017	Smart Level
1748	S Main St.	W Fox St.	Non Comp	5.2	5.2	0.8	Yes	1.1	Yes	1.0,1.5	TS	6/14/2017	Smart Level
1753	Bell St.	E Fox St.	Non Comp	0.2	5.3	2.5	No	5.1	No	1.8	TS	6/15/2017	Smart Level
1755	Heustis St.	E Fox St.	Non Comp	1.1	0.6	0.4	N/A	N/A	Yes	0.8,0.6	TS	6/15/2017	Smart Level
1756	Heustis St.	E Fox St.	Comp	3.7	0.1	0.4	N/A	N/A	Yes	0.6,0.8	TS	6/15/2017	Smart Level
1757	Heustis St.	E Fox St.	Comp	0.7	0.8	0.8	N/A	N/A	Yes	0.3	TS	6/15/2017	Smart Level
1759	Heustis St.	E Fox St.	Comp	1.5	0.4	0.8	N/A	N/A	Yes	0.3	TS	6/15/2017	Smart Level
1764	Mill St.	E Washington St.	Comp	4.2	0.7	4.3	N/A	N/A	Yes	2.2	TS	6/15/2017	Smart Level
1765	Mill St.	E Washington St.	Comp	3.8	1.5	1.7	N/A	N/A	Yes	1.9	TS	6/15/2017	Smart Level
1766	Mill St.	E Washington St.	Comp	4	1.7	1.7	N/A	N/A	Yes	1.9	TS	6/15/2017	Smart Level
1767	Mill St.	E Washington St.	Comp	1.4	1.3	2.4	N/A	N/A	Yes	2.5	TS	6/15/2017	Smart Level
1768	Heustis St.	E Washington St.	Comp	4	0.4	1.6	N/A	N/A	Yes	1.6	TS	6/15/2017	Smart Level
1769	Heustis St.	E Washington St.	Comp	0.6	2.3	1.6	N/A	N/A	Yes	1.6	TS	6/15/2017	Smart Level
1770	Heustis St.	E Washington St.	Comp	0.1	2	1.7	N/A	N/A	Yes	1	TS	6/15/2017	Smart Level
1771	Heustis St.	E Washington St.	Comp	5.2	1.2	2.2	N/A	N/A	Yes	0.5,2.2	TS	6/15/2017	Smart Level
1772	Heustis St.	E Washington St.	Comp	0.5	5	2.2	N/A	N/A	Yes	2.2,0.5	TS	6/15/2017	Smart Level
1773	Heustis St.	E Washington St.	Comp	1	2.7	2.1	N/A	N/A	Yes	0.9,0.5	TS	6/15/2017	Smart Level
1774	Heustis St.	E Washington St.	Comp	6.4	0.8	2.1	N/A	N/A	Yes	0.5,0.9	TS	6/15/2017	Smart Level
1779	S Main St.	W Washington St.	N/A	Damaged	Damaged	Damaged	N/A	N/A	Yes	Damaged	TS	6/14/2017	Smart Level
1780	S Main St.	W Washington St.	N/A	4.2	1.3	1	N/A	N/A	Yes	1.0,1.0	TS	6/14/2017	Smart Level
1781	S Main St.	W Washington St.	N/A	Damaged	Damaged	Damaged	N/A	N/A	Yes	Damaged	TS	6/14/2017	Smart Level
1782	S Main St.	W Washington St.					N/A	N/A	Yes				
1783	S Main St.	W Washington St.	Comp	0.6	1	2.2	N/A	N/A	Yes	1.2,2.8	TS	6/14/2017	Smart Level
1784	S Main St.	W Washington St.	Comp	9	0.8	Damaged	N/A	N/A	Yes	Damaged	TS	6/14/2017	Smart Level
1785	State St.	W Washington St.					N/A	N/A	Yes				
1786	State St.	W Washington St.	Comp	1.6	0.6	1.9	N/A	N/A	Yes	1.3,1.0	TS	6/14/2017	Smart Level
1787	State St.	W Washington St.	Comp	0.2	1.9	1.9	N/A	N/A	Yes	1.0,1.3	TS	6/14/2017	Smart Level
1788	State St.	W Washington St.	Comp	1	1.4	1.2	N/A	N/A	Yes	1.6,1.1	TS	6/14/2017	Smart Level
1789	State St.	W Washington St.	Comp	0.8	1.2	1.2	N/A	N/A	Yes	1.1,1.6	TS	6/14/2017	Smart Level
1790	State St.	W Washington St.					N/A	N/A	Yes				
1791	Adrian St.	W Washington St.	Comp	0.4	1	0.9	N/A	N/A	Yes	1	TS	6/14/2017	Smart Level
1792	Adrian St.	W Orange St.	Comp	3.2	0.4	0.3	N/A	N/A	Yes	0,0.1	TS	6/14/2017	Smart Level
1793	Adrian St.	W Orange St.	Comp	2.8	0.3	1.1	N/A	N/A	Yes	1.2	TS	6/14/2017	Smart Level
1794	State St.	W Orange St.	Comp	0.9	0.7	1.7	N/A	N/A	Yes	1.4	TS	6/14/2017	Smart Level
1796	S Main St.	W Orange St.	Comp	1.9	2.9	2	N/A	N/A	Yes	2.3,1.9	TS	6/14/2017	Smart Level
1797	S Main St.	W Orange St.	N/A	2.8	2.6	3.3	N/A	N/A	Yes	1.1,1.9	TS	6/14/2017	Smart Level
1798	S Main St.	W Orange St.	N/A	5.4	5.1	3.6	N/A	N/A	Yes	3.0,0.4	TS	6/14/2017	Smart Level

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1799	S Main St.	W Orange St.	N/A	0.5	0.3	1.8	N/A	N/A	Yes	0.5	TS	6/14/2017	Smart Level
1805	Heustis St.	E Orange St.	Comp	1.1	1	1.5	N/A	N/A	Yes	1.3	TS	6/15/2017	Smart Level
1806	Heustis St.	E Orange St.	N/A	1.3	0.4	1.1	N/A	N/A	Yes	0.7,1.2	TS	6/15/2017	Smart Level
1807	Heustis St.	E Orange St.	N/A	2.2	6	0.9	N/A	N/A	Yes	0.9,0.9	TS	6/15/2017	Smart Level
1809	Mill St.	E Orange St.	Comp	3.8	1	1	N/A	N/A	Yes	2.6,1.5	TS	6/15/2017	Smart Level
1810	Mill St.	E Orange St.	Comp	2.2	1.8	2.5	N/A	N/A	Yes	1.6,1.0	TS	6/15/2017	Smart Level
1813	Mill St.	Schoolhouse Rd.	Comp	7	1.6	2.1	N/A	N/A	No	1.4,1.1	TS	6/15/2017	Smart Level
1814	Schoolhouse Rd.	Colonial Pkwy	Comp	4.7	1.3	2	N/A	N/A	Yes	1.1,1.3	TS	6/15/2017	Smart Level
1815	Schoolhouse Rd.	Colonial Pkwy	Non Comp	3.3	3.1	1	Yes	0.3	Yes	2	TS	6/15/2017	Smart Level
1816	Schoolhouse Rd.	Colonial Pkwy	Comp	3.7	1	1	Yes	0.3	Yes	2	TS	6/15/2017	Smart Level
1817	Schoolhouse Rd.	Colonial Pkwy	Comp	4.7	0.1	1.9	Yes	1.9	Yes	2.2	TS	6/15/2017	Smart Level
1821	Morgan St.	Blaine St.	Non Comp	12.9	0	2.6	N/A	N/A		2.6,2.7	TS	6/14/2017	Smart Level
1823	Adrian St.	Blaine St.	Comp	6	1.1	3	Yes	1.8	Yes	1.4	TS	6/14/2017	Smart Level
1824	Adrian St.	Blaine St.	Comp	6.4	0.2	5	Yes	1.6	Yes	5.1,0.9	TS	6/14/2017	Smart Level
1825									Yes		TS	6/14/2017	Smart Level
1826	Adrian St.	Blaine St.	Comp	6.1	3.5	3.7	Yes	2.9	Yes	0.2	TS	6/14/2017	Smart Level
1827	Adrian St.	Blaine St.	Comp	12.3	1.6	2.4	Yes	1.1	Yes	2.3,3.1	TS	6/14/2017	Smart Level
1828	State St.	Beecher St.	Non Comp	5.7	6.3	4.1	No	2.4	Yes	3.5	TS	6/14/2017	Smart Level
1829	State St.	Beecher St.	Non Comp	1.6	0.9	1.8	N/A	N/A	Yes	1.6	TS	6/14/2017	Smart Level
1830	Adrian St.	W Dolph St.	Comp	1.1	0.6	2	N/A	N/A	Yes	1.1,2.2	TS	6/14/2017	Smart Level
1831	Adrian St.	W Dolph St.	Comp	0.7	1.3	0.6	N/A	N/A	Yes	0.6	TS	6/14/2017	Smart Level
1832	State St.	W Dolph St.	Comp	0.3	1.2	3	N/A	N/A	Yes	3.2	TS	6/14/2017	Smart Level
1833	State St.	W Dolph St.	Comp	1.6	0.3	0.8	N/A	N/A	Yes	0.1	TS	6/14/2017	Smart Level
1834	State St.	W Dolph St.	Comp	0.8	1	0.8	N/A	N/A	Yes	1,0	TS	6/14/2017	Smart Level
1835	State St.	W Dolph St.	Comp	1.7	0.7	2	N/A	N/A	Yes	2	TS	6/14/2017	Smart Level
1836	S Main St.	W Dolph St.	Comp	4.5	0.4	2.8	N/A	N/A	Yes	0.3,1.7	TS	6/14/2017	Smart Level
1837	S Main St.	W Dolph St.	Comp	5.1	2.2	1.8	N/A	N/A	Yes	0.1,0.8	TS	6/14/2017	Smart Level
1838	S Main St.	W Dolph St.	Non Comp	6	4	4	N/A	N/A	Yes	4,0.5	TS	6/14/2017	Smart Level
1839	S Main St.	W Dolph St.	Non Comp	1.8	1.1	2.7	N/A	N/A	Yes	2.5	TS	6/14/2017	Smart Level
1840	S Main St.	Beecher St.	Comp	0.6	1.7	2.5	N/A	N/A	Yes	2.3	TS	6/14/2017	Smart Level
1841	S Main St.	Beecher St.	Non Comp	4.6	4	2.4	N/A	N/A	Yes	3.2	TS	6/14/2017	Smart Level
1883	Wood Sage Rd.	Cornerstone Dr.	Non Comp	11.8	4.8	6.2	Yes	0.6	Yes	1.6,2.9	TS	6/16/2017	Smart Level
1884	Wood Sage Rd.	Cornerstone Dr.	Non Comp	9.1	0.6	2.9	No	3.2	Yes	2.9,3.0	TS	6/16/2017	Smart Level
1885	Wood Sage Rd.	Cornerstone Dr.	Non Comp	7.7	0.7	2.9	No	0.4	Yes	3.0,2.9	TS	6/16/2017	Smart Level
1886	Wood Sage Rd.	Cornerstone Dr.	Non Comp	10.6	1.3	6.2	Yes	2.1	Yes	2.9,1.6	TS	6/16/2017	Smart Level
1887	Wood Sage Rd.	Cornerstone Dr.	Non Comp	7.8	0.7	1.8	Yes	0.1	Yes	1.8,0.9	TS	6/16/2017	Smart Level
1888	Wood Sage Rd.	Cornerstone Dr.	Non Comp	7.5	1.8	2.3	Yes	0.5	Yes	2.2,1.8	TS	6/16/2017	Smart Level
1889	Cornerstone Dr.	Westwind Dr.	Non Comp	8.2	1.6	2.5	No	1.9	Yes	1.2,2.3	TS	6/16/2017	Smart Level
1890	Cornerstone Dr.	Westwind Dr.	Non Comp	10.5	1.3	2.5	No	2.3	No	2.3,1.2	TS	6/16/2017	Smart Level
1891	Cornerstone Dr.	Westwind Dr.	N/A	10.5	1.2	4.4	No	1.2	Yes	4.5,4.7	TS	6/16/2017	Smart Level
1892	Cornerstone Dr.	Westwind Dr.	N/A	13.4	0.2	3.2	Yes	0.3	No	3.6,3.0	TS	6/16/2017	Smart Level
1893		Westwind Dr.	Non Comp	10.3	0.4	2	?	0.3	No	1.7,1.9	TS	6/16/2017	Smart Level
2044	Candleberry Ln.	Meadow Rose Ln.	Comp	6.8	0.2	1.9	Yes	0.5	Yes	1.2,3.0	TS	6/15/2017	Smart Level

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2045	Candleberry Ln.	Meadow Rose Ln.	Non Comp	9.9	3.7	6.5	No	3	Yes	4.2,2.8	TS	6/15/2017	Smart Level
2046	Candleberry Ln.	Meadow Rose Ln.	Non Comp	7.7	5.6	6.5	Yes	1.8	Yes	2.8,4.2	TS	6/15/2017	Smart Level
2047	Candleberry Ln.	Meadow Rose Ln.	Non Comp	1.4	3.3	2.1	No	3.2	Yes	1.0,1.1	TS	6/15/2017	Smart Level
2048	Candleberry Ln.	Candleberry Ct.	Non Comp	13.9	2.7	3.6	No	2.6	Yes	3.0,2.7	TS	6/15/2017	Smart Level
2049	Candleberry Ln.	Candleberry Ct.	Non Comp	0.5	6.9	5.3	No	4.8	Yes	4.7,1.3	TS	6/15/2017	Smart Level
2050	Candleberry Ln.	Candleberry Ct.	Non Comp	10	1.6	5.3	No	5.3	Yes	1.3,4.7	TS	6/15/2017	Smart Level
2051	Candleberry Ln.	Candleberry Ct.	Comp	0.5	2	1.4	Yes	0.4	Yes	1.8,0	TS	6/15/2017	Smart Level
2052	Crooked Creek Dr.	Trillium Ct.	Comp	3.7	1.5	2.4	Yes	1.6	Yes	1.7,0.2	TS	6/15/2017	Smart Level
2053	Crooked Creek Dr.	Trillium Ct.	Comp	5.9	0.7	2.4	Yes	2.8	Yes	0.2,1.7	TS	6/15/2017	Smart Level
2054	Crooked Creek Dr.	Trillium Ct.	Comp	5.7	1.9	2.5	Yes	1.4	Yes	0.4,1.7	TS	6/15/2017	Smart Level
2055	Crooked Creek Dr.	Trillium Ct.	?	6.9	0.4	2.4	Yes	1.1	Yes	1.9,2.5	TS	6/15/2017	Smart Level
2115	Country Hills Dr.	South of Hampton	Non Comp	7.7	0.5	1.4	No	0.7	Yes	2.1,1.5	TS	6/19/2017	Smart Level
2143	Goldfinch Ave.	Hawk Hollow Dr.	N/A	4.9	0.3	3	Yes	0.7	Yes	2.4,3.3	TS	6/20/2017	Smart Level
2144	Goldfinch Ave.	Hawk Hollow Dr.	Non Comp	6.3	5.3	5	Yes	3.1	Yes	3.5,1.8	TS	6/20/2017	Smart Level
2145	Goldfinch Ave.	Hawk Hollow Dr.	N/A	7.3	2	5	Yes	0.7	No	1.8,3.5	TS	6/20/2017	Smart Level
2201	Hartfield Ave.		Non Comp	5.7	0.3	0	Yes	0.5	Yes	0	TS	6/19/2017	Smart Level
2202	Hartfield Ave.		Non Comp	2.1	0.3	0.5	Yes	0.3	Yes	0.5	TS	6/19/2017	Smart Level
2203	Hearthstone Ave.		Non Comp	1.1	0.7	1.5	Yes	0.1	Yes	1.5	TS	6/19/2017	Smart Level
2204	Hearthstone Ave.		Non Comp	1.5	0.7	0.9	Yes	0.8	Yes	0.9	TS	6/19/2017	Smart Level
2217	Windett Ridge Rd.	Drayton Ct.	Non Comp	7.3	0.36	3.6	Yes	1.3	Yes	2.1,2.2	TS	6/20/2017	Smart Level
2222	Windett Ridge Rd.	Sutton St.	Non Comp	7	6.8	6.1	Yes	3.1	Yes	1.1,2.3	TS	6/20/2017	Smart Level
2223	Windett Ridge Rd.	Sutton St.	Non Comp	12	6.8	6.1	No	3.2	Yes	2.3,1.1	TS	6/20/2017	Smart Level
2228	Fairfax Way	Sutton St.	N/A	9.4	1.8	2.4	Yes	1.2	Yes	2.5,2.6	TS	6/16/2017	Smart Level
2229	Fairfax Way	Sutton St.	N/A	6.7	0.1	2.4	Yes	0.8	Yes	2.6,2.5	TS	6/16/2017	Smart Level
2230	Fairfax Way	Sutton St.	Non Comp	6.9	0.1	0.9	Yes	1	Yes	3.3,2.4	TS	6/16/2017	Smart Level
2231	Fairfax Way	Sutton St.	Non Comp	6.6	1	3.3	Yes	1	Yes	3.3,2.4	TS	6/16/2017	Smart Level
2232	Fairfax Way	Sutton St.	N/A	10.1	0.9	2.3	No	1.9	Yes	2.0,1.8	TS	6/16/2017	Smart Level
2233	Fairfax Way	Sutton St.	N/A	9.2	4.3	2.3	No	0.8	Yes	1.8,2.0	TS	6/16/2017	Smart Level
2238	Windett Ridge Rd.	Kentshire Dr.	Non Comp	6.1	3.6	2.8	Yes	2.7	Yes	1.4,0.6	TS	6/16/2017	Smart Level
2239	Windett Ridge Rd.	Kentshire Dr.	Non Comp	0.3	4.6	4.7	Yes	5.3	Yes	4.4,2.1	TS	6/16/2017	Smart Level
2240	Windett Ridge Rd.	Kentshire Dr.	Non Comp	8	2.6	4.7	Yes	6.3	No	2.1,4.4	TS	6/16/2017	Smart Level
2241	Wilton Ct.	Kentshire Dr.	Comp	7.2	2.6	2.9	Yes	0.1	No	0.1,3.2	TS	6/16/2017	Smart Level
2242	Wilton Ct.	Kentshire Dr.	Comp	5.2	5.5	2.9	Yes	3.5	No	3.2,0.1	TS	6/16/2017	Smart Level
2243	Caulfield Pt.	Kentshire Dr.	Comp	9.4	5.1	4.2	Yes	2.4	Yes	2.5,2.9	TS	6/16/2017	Smart Level
2244	Caulfield Pt.	Kentshire Dr.	Comp	13.1	4.1	4.2	Yes	2.8	Yes	2.9,2.5	TS	6/16/2017	Smart Level
2245	Caulfield Pt.	Kentshire Dr.	Non Comp	8.4	0.9	2	Yes	1.5	Yes	2.0,1.6	TS	6/16/2017	Smart Level
2256	Windett Ridge Rd.	Claremont Ct.	Non Comp	6.1	1.9	3.3	Yes	2.2	Yes	1.9,1.6	TS	6/20/2017	Smart Level
2260	Windett Ridge Rd.	Wythe Pl	Non Comp	8.8	3.6	5.1	No	5.1	Yes	1.2,4.4	TS	6/20/2017	Smart Level
2265	Fitzhugh Turn	Windett Ridge Rd.	Non Comp	6.5	2.3	2.7	Yes	2.7	Yes	1.9,1.6	TS	6/16/2017	Smart Level
2266	Fitzhugh Turn	Windett Ridge Rd.	Non Comp	5.7	1.4	2.3	Yes	0.7	Yes	1.7,1.7	TS	6/16/2017	Smart Level
2267	Adrian St.	W Washington St.	Comp	1.1	0.3	0.6	N/A	N/A	Yes	1.2	TS	6/14/2017	Smart Level
2268	State St.	W Orange St.	Comp	0.6	0.8	1.2	N/A	N/A	Yes	0.2	TS	6/14/2017	Smart Level
2269	S Main St.	W Orange St.	Comp	3	0.4	2.2	N/A	N/A	Yes	1.6,1.9	TS	6/14/2017	Smart Level

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2270	Heustis St.	E Washington St.	Comp	7.6	1.5	1.7	N/A	N/A	Yes	1	TS	6/15/2017	Smart Level
2271	Caulfield Pt.	Kentshire Dr.	Comp	7.2	3	2.6	Yes	3.8	Yes	1.3,0.8	TS	6/16/2017	Smart Level
2272	Caulfield Pt.	Kentshire Dr.	Comp	8.1	4.8	2.6	Yes	2.6	Yes	0.8,1.3	TS	6/16/2017	Smart Level
2273	Caulfield Pt.	Kentshire Dr.	Non Comp	7.5	3.2	2.9	Yes	2.6	Yes	1.6,2.6	TS	6/16/2017	Smart Level
2274	Fitzhugh Turn	Windett Ridge Rd.	Non Comp	5.2	2.3	2.3	Yes	0.9	Yes	1.8,2.4	TS	6/16/2017	Smart Level
2275	Fitzhugh Turn	Windett Ridge Rd.	Non Comp	6.9	1.2	2.3	Yes	0.2	Yes	2.4,1.8	TS	6/16/2017	Smart Level
2276	Fitzhugh Turn	Windett Ridge Rd.	Comp	9	0.7	3.8	Yes	4.2	Yes	1.6,4.6	TS	6/16/2017	Smart Level
2277	Fitzhugh Turn	Windett Ridge Rd.	Comp	4.2	3	3.8	Yes	3	Yes	4.6,1.6	TS	6/16/2017	Smart Level
2278	Fairfax Way	Sutton St.	Non Comp	11.6	2.2	2.8	Yes	4.5	Yes	0.5,2.0	TS	6/16/2017	Smart Level
2279	Fairfax Way	Sutton St.	Non Comp	5.5	4.1	2.8	Yes	3.2	Yes	2.0,0.5	TS	6/16/2017	Smart Level
2280	Waverly Cir.	Sutton St.	Non Comp	11.3	2.7	4.4	Yes	2	Yes	2.7,3.2	TS	6/16/2017	Smart Level
2281	Waverly Cir.	Sutton St.	Non Comp	8.7	2.4	2.5	Yes	3	Yes	1.6,1.3	TS	6/16/2017	Smart Level
2282	Windett Ridge Rd.	Drayton Ct.	Non Comp	5.3	1.7	3.4	Yes	1.7	Yes	2.3,2.2	TS	6/20/2017	Smart Level
2283	Ohama Dr.	Kate Dr.	Non Comp	7	0.2	1.3	Yes	1.3	Yes	1.8,1.8	TS	6/22/2017	Smart Level
2284	Ohama Dr.	Kate Dr.	Non Comp	6.3	2	1	Yes	1	Yes	0.6,2.1	TS	6/22/2017	Smart Level
2285	East Spring Street	Clearwater Dr	Non Comp	9	1.8	2.3	Yes	2.7	Yes	1.3,1.4	TS	6/22/2017	Smart Level
2286	East Spring Street		Non Comp	9.5	1.5	1	Yes	0.9	Yes	0.7,1.4	TS	6/22/2017	Smart Level
2287	Freemont St.	E Spring St.	Comp	3.8	0.8	1.9	Yes	1.3	Yes	3.1,1.4	TS	6/21/2017	Smart Level
2288	Freemont St.	Elm St.	Comp	4	1.2	3.3	Yes	0.3	Yes	1.4,1.8	TS	6/21/2017	Smart Level
2289	Freemont St.	Elm St.	Comp	7	1	2.4	Yes	0.5	Yes	2.5,1.0	TS	6/21/2017	Smart Level
2290	E Somonauk St.	Bristol Ave.	Comp	3.3	0.8	2.6	Yes	1.3	Yes	2.1	TS	6/21/2017	Smart Level
2291	E Somonauk St.	Bristol Ave.	Comp	10.3	1.9	3.3	Yes	0.1	Yes	2.7,2.9	TS	6/21/2017	Smart Level
2292	Bruell St.	E Main St.	Comp	4.6	0.7	1.4	Yes	3.6	No	1.5,1.3	TS	6/23/2017	Smart Level
2293	W CountrySide Pkwy	W Kendall Dr.	Comp	10.5	1.2	1.2	Yes	0.8	Yes	0.1,0.3	TS	6/26/2017	Smart Level
2294	Powers Ct.	W Kendall Dr.	Comp	7.2	0.7	7.2	Yes	0.2	Yes	3.2	TS	6/26/2017	Smart Level
2295	Powers Ct.	W Kendall Dr.	Comp	8.1	0.5	5.7	Yes	1.3	Yes	2.2	TS	6/26/2017	Smart Level
2296	Independence St.	John St.	Comp	0.8	2.6	1.7	Yes	0.7	Yes	1.2,1.4	TS	6/27/2017	Smart Level
2297	Church St.	W Main St.	Non Comp	0.9	2.4	2.3	N/A	N/A	Yes	1.1	TS	6/20/2017	Smart Level
2298	King St.	W Main St.	Non Comp	5.4	1.9	4.5	N/A	N/A	No	3.5	TS	6/20/2017	Smart Level
2299	Cannonball Trl	S Carly Cir	Comp	10.5	3.4	2.9	Yes	0.2	Yes	3.3,1.7	TS	6/27/2017	Smart Level
2300	Cannonball Trl	S Carly Cir	Comp	6.7	4	2.9	Yes	0.2	Yes	1.7,3.3	TS	6/27/2017	Smart Level
2301	Cannonball Trl	S Carly Cir	Comp	9.8	2.9	2.1	Yes	0	Yes	2.4,1.4	TS	6/27/2017	Smart Level
2302	Cannonball Trl	S Carly Cir	Non Comp	9.8	0.9	1.4	Yes	0.1	Yes	0.9,1.4	TS	6/27/2017	Smart Level
2303	Cannonball Trl	Purcell St.	Comp	11.5	1.9	1.3	No	0.9	Yes	1.5,0.1	TS	6/27/2017	Smart Level
2304	Cannonball Trl	Purcell St.	Comp	10.9	4	0.7	Yes	0.1	Yes	1.5,0.9	TS	6/27/2017	Smart Level
2305	Cannonball Trl	Purcell St.	Comp	6.1	2	1.8	Yes	0.2	Yes	1.4,1.4	TS	6/27/2017	Smart Level
2306	Cannonball Trl	Purcell St.	Non Comp	11.6	6.9	1.3	No	0.7	Yes	0.1,1.5	TS	6/27/2017	Smart Level
508	Crimson Ln	Orchid St.	Comp	10.2	2.6	3.4	Yes	0.2	Yes	3.0,1.4	TS	3/14/2018	Smart Level
509	Crimson Ln	Orchid St.	Comp	10	3.4	3.4	Yes	1.6	Yes	1.4,3.0	TS	3/14/2018	Smart Level
510	Crimson Ln	Orchid St.	Comp	6.8	1.2	2.9	Yes	0.5	Yes	0.5,2.9	TS	3/14/2018	Smart Level
511	Crimson Ln	Orchid St.	Comp	9.6	0.5	2.9	Yes	1.5	Yes	2.9,0.5	TS	3/14/2018	Smart Level
512	Crimson Ln	Orchid St.	Comp	6.9	1.3	2.8	Yes	1.6	Yes	2.9,3.4	TS	3/14/2018	Smart Level
513	Crimson Ln	Orchid St.	Comp	8.2	0.4	3	Yes	0.3	Yes	2.4,3.7	TS	3/14/2018	Smart Level

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461	Orchid St.	Emerald Dr.	Comp	5.9	1.4	2.8	Yes	0.3	No	3.1,1.2	TS	3/14/2018	Smart Level
462	Orchid St.	Emerald Dr.	Non Comp	7.1	1.8	2.8	Yes	0.3	Yes	1.2,3.1	TS	3/14/2018	Smart Level
463	Orchid St.	Emerald Dr.	Comp	5.9	0.6	2.8	Yes	3.4	Yes	2.6,1.8	TS	3/14/2018	Smart Level
464	Orchid St.	Emerald Dr.	Non Comp	3	0.8	2.8	Yes	0.7	Yes	1.8,2.6	TS	3/14/2018	Smart Level
465	Orchid St.	Emerald Dr.	Non Comp	12	0.6	0.4	Yes	0.3	Yes	0.5,1.2	TS	3/14/2018	Smart Level
535	Crimson Ln	Sage Ct.	Non Comp	7.8	0.6	2.5	Yes	0.2	Yes	2.4,2.3	TS	3/14/2018	Smart Level
536	Crimson Ln	Sage Ct.	Non Comp	8.1	0.36	2.6	Yes	0.3	Yes	2.0,2.5	TS	3/14/2018	Smart Level
537	Crimson Ln	Sage Ct.	Non Comp	7.6	0.3	3	Yes	0.8	Yes	1.3,2.5	TS	3/14/2018	Smart Level
538	Crimson Ln	Sage Ct.	Non Comp	5.5	1.8	3	Yes	1.5	Yes	2.5,1.3	TS	3/14/2018	Smart Level
456	Coral Dr.	Emerald Dr.	Comp	6.6	0.1	3.4	Yes	1.9	Yes	3.5,1.3	TS	3/14/2018	Smart Level
457	Coral Dr.	Emerald Dr.	Comp	3.1	3.3	2.2	Yes	1.7	Yes	2.6,1.2	TS	3/14/2018	Smart Level
595	Hayden Dr.	Prairie Clover Dr.	Non Comp	10	0.5	2.5	Yes	0.5	Yes	1.4,2.2	TS	3/14/2018	Smart Level
585	Hayden Dr.	Coneflower Ct.	Non Comp	11.8	0.9	2.5	Yes	0.5	Yes	2.9,2.3	TS	3/14/2018	Smart Level
590	Hayden Dr.	Prairie Rose Dr.	Non Comp	11.4	0.2	1.7	Yes	2.3	Yes	2.6,1.3	TS	3/14/2018	Smart Level
596	Hayden Dr.	Prairie Clover Dr.	Non Comp	8.4	1.4	1.7	Yes	1.1	Yes	1.5,0.9	TS	3/14/2018	Smart Level
582	Hayden Dr.	Switchgrass Ln	Non Comp	100	100	100	No	100	No	100	TS	3/14/2018	Smart Level
583	Hayden Dr.	Switchgrass Ln	Non Comp	100	100	100	No	100	No	100	TS	3/14/2018	Smart Level
584	Hayden Dr.	Switchgrass Ln	Non Comp	100	100	100	No	100	No	100	TS	3/14/2018	Smart Level
466	Emerald Dr.	Sienna Dr.	Non Comp	11.4	0.2	2.1	Yes	1.9	Yes	1.1,3.5	TS	3/14/2018	Smart Level
467	Emerald Dr.	Sienna Dr.	Non Comp	11.1	1.5	2.1	Yes	0.2	Yes	3.5,1.1	TS	3/14/2018	Smart Level
468	Emerald Dr.	Sienna Dr.	Non Comp	7.4	0.9	2.9	Yes	1.3	Yes	3.0,1.8	TS	3/14/2018	Smart Level
469	Emerald Dr.	Sienna Dr.	Non Comp	6.6	2.4	3.1	Yes	1.7	Yes	3.0,2.1	TS	3/14/2018	Smart Level
470	Emerald Dr.	Sienna Dr.	Non Comp	2.8	0.3	3.1	Yes	1.3	No	2.1,3.0	TS	3/14/2018	Smart Level
471	Sienna Dr.	Lavender Way	Non Comp	7.7	1.8	2.6	No	1.2	Yes	1.2,1.6	TS	3/14/2018	Smart Level
472	Sienna Dr.	Lavender Way	Non Comp	10.9	1.7	2.6	No	1.7	Yes	1.6,1.2	TS	3/14/2018	Smart Level
473	Sienna Dr.	Lavender Way	Non Comp	5.8	0.3	2.5	No	0.6	Yes	2.7,2.1	TS	3/14/2018	Smart Level
474	Sienna Dr.	Lavender Way	Non Comp	6.9	1.8	2.5	No	1.8	Yes	2.1,2.7	TS	3/14/2018	Smart Level
2309	Sienna Dr.	Lavender Way	Non Comp	6	1.3	2.9	No	0.6	Yes	1.2,2.5	TS	3/14/2018	Smart Level
2310	Sienna Dr.	Lavender Way	Non Comp	10.2	2.3	2.9	No	0.2	Yes	2.5,1.2	TS	3/14/2018	Smart Level
2311	Sienna Dr.	Lavender Way	Non Comp	10.7	0.6	2.3	No	1.4	Yes	1.0,3.6	TS	3/14/2018	Smart Level
2312	Sienna Dr.	Lavender Way	Non Comp	7.7	3	2.3	No	1.9	Yes	3.6,1.0	TS	3/14/2018	Smart Level
558	Autumn Creek Blvd.	Midnight Pl	Non Comp	7.1	0.1	1.4	Yes	1.2	Yes	1.2,1.5	TS	3/14/2018	Smart Level
559	Autumn Creek Blvd.	Midnight Pl	Non Comp	12.3	0.7	1.3	Yes	1.8	Yes	0.8,2.3	TS	3/14/2018	Smart Level
560	Autumn Creek Blvd.	Midnight Pl	Non Comp	6.9	0.6	2.3	Yes	0.4	Yes	1.6,1.9	TS	3/14/2018	Smart Level
561	Autumn Creek Blvd.	Midnight Pl	Non Comp	8.7	1.4	2.2	Yes	0.6	Yes	1.8,1.5	TS	3/14/2018	Smart Level
2307	Autumn Creek Blvd.	Midnight Pl	Non Comp	4.5	0.6	1.4	Yes	0.2	Yes	1.5,1.2	TS	3/14/2018	Smart Level
2308	Autumn Creek Blvd.	Midnight Pl	Non Comp	9.5	1.6	1.3	Yes	0.2	Yes	2.3,0.8	TS	3/14/2018	Smart Level
568	Midnight Pl	Olive Ln	Non Comp	9.7	0.9	2.9	Yes	0.8	Yes	1.3,2.6	TS	3/14/2018	Smart Level
569	Midnight Pl	Olive Ln	Non Comp	7.4	0.4	0.9	Yes	0.1	Yes	1.0,1.9	TS	3/14/2018	Smart Level
570	Midnight Pl	Olive Ln	Non Comp	11.1	2.1	0.9	Yes	1.5	Yes	1.9,1.0	TS	3/14/2018	Smart Level
571	Midnight Pl	Olive Ln	Non Comp	4.5	0.3	1.1	Yes	0.5	Yes	1.1,1.2	TS	3/14/2018	Smart Level
572	Midnight Pl	Olive Ln	Non Comp	9.9	3.3	2.8	Yes	0.9	Yes	2.3,0.2	TS	3/14/2018	Smart Level
573	Midnight Pl	Olive Ln	Non Comp	12.5	0.7	2.8	Yes	0.4	Yes	0.2,2.3	TS	3/14/2018	Smart Level

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574	Prairie Grass Ln	Olive Ln	Comp	6.7	0.7	1.4	Yes	0.2	Yes	1.1,2.5	TS	3/14/2018	Smart Level
575	Prairie Grass Ln	Olive Ln	Comp	5.2	0.9	2.2	Yes	1.4	Yes	2.7,1.7	TS	3/14/2018	Smart Level
576	Prairie Grass Ln	Olive Ln	Non Comp	7	1.5	1.3	Yes	2	Yes	2.1,1.0	TS	3/14/2018	Smart Level
577	Prairie Grass Ln	Olive Ln	Non Comp	12.3	0.2	1.3	Yes	1.4	Yes	1.0,2.1	TS	3/14/2018	Smart Level
578	Prairie Grass Ln	Olive Ln	Non Comp	7	0.9	1.3	Yes	0.1	Yes	2.1,1.2	TS	3/14/2018	Smart Level
579	Prairie Grass Ln	Olive Ln	Non Comp	7.5	2.1	1.3	Yes	0.7	Yes	1.2,2.1	TS	3/14/2018	Smart Level
548	Autumn Creek Blvd.	Prairie Grass Ln	Non Comp	7	1.2	2.4	Yes	0.5	Yes	2.1,2.8	TS	3/14/2018	Smart Level
549	Autumn Creek Blvd.	Prairie Grass Ln	Comp	8	0.8	1.3	Yes	0.9	Yes	1.1,1.5	TS	3/14/2018	Smart Level
550	Autumn Creek Blvd.	Prairie Grass Ln	Comp	12.4	1.4	2.8	Yes	0.8	Yes	1.8,2.8	TS	3/14/2018	Smart Level
551	Autumn Creek Blvd.	Prairie Grass Ln	Non Comp	4.9	0.6	4	Yes	2.3	Yes	2.5,0.8	TS	3/14/2018	Smart Level
552	Autumn Creek Blvd.	Prairie Grass Ln	Non Comp	7.7	0.7	4	Yes	1	Yes	0.8,2.5	TS	3/14/2018	Smart Level
553	Autumn Creek Blvd.	Prairie Grass Ln	Non Comp	8.3	0.9	2.4	Yes	1.1	Yes	2.8,2.1	TS	3/14/2018	Smart Level
554	Prairie Grass Ln	School Entrance	Non Comp	3.2	0.3	0.4	No	1.9	Yes	0.4	TS	3/14/2018	Smart Level
555	Prairie Grass Ln	School Entrance	Non Comp	10	2.5	10	No	1	Yes	2.5,3.6	TS	3/14/2018	Smart Level
556	Prairie Grass Ln	School Exit	Non Comp	6.9	1.4	1.1	No	0.5	Yes	1.1,0.1	TS	3/14/2018	Smart Level
557	Prairie Grass Ln	School Exit	Non Comp	6.4	2.5	0.5	No	0.6	Yes	0.3	TS	3/14/2018	Smart Level
542	Titus Dr.	Autumn Creek Blvd.	Comp	6.4	1.4	1.1	Yes	1.1	Yes	1.6,1.5	TS	3/14/2018	Smart Level
543	Titus Dr.	Autumn Creek Blvd.	Non Comp	9.9	1.6	2.4	Yes	0.3	Yes	2.8,1.5	TS	3/14/2018	Smart Level
544	Titus Dr.	Autumn Creek Blvd.	Non Comp	10.8	1.4	2.4	Yes	1	Yes	1.5,2.8	TS	3/14/2018	Smart Level
545	Titus Dr.	Autumn Creek Blvd.	Non Comp	10.4	0.4	3.1	Yes	0.8	Yes	1.7,2.7	TS	3/14/2018	Smart Level
546	Titus Dr.	Autumn Creek Blvd.	Non Comp	10.9	1.3	3.1	Yes	0.9	Yes	2.7,1.7	TS	3/14/2018	Smart Level
547	Titus Dr.	Autumn Creek Blvd.	Comp	6	0.9	0.9	Yes	1	Yes	1.0,2.0	TS	3/14/2018	Smart Level
562	Titus Dr.	Autumn Creek Blvd.	Non Comp	9.4	0.7	3.1	Yes	1.4	Yes	1.8,2.5	TS	3/14/2018	Smart Level
563	Titus Dr.	Autumn Creek Blvd.	Non Comp	3.8	0.7	1.5	Yes	0.1	Yes	2.3,0.9	TS	3/14/2018	Smart Level
564	Titus Dr.	Autumn Creek Blvd.	Non Comp	8.5	1.6	3.1	Yes	3.3	Yes	2.5,1.8	TS	3/14/2018	Smart Level
565	Titus Dr.	Autumn Creek Blvd.	Non Comp	7.8	1	2.3	Yes	2.1	Yes	2.4,1.8	TS	3/14/2018	Smart Level
566	Titus Dr.	Autumn Creek Blvd.	Non Comp	9.9	2	3.1	Yes	2.9	Yes	0.9,0.8	TS	3/14/2018	Smart Level
567	Titus Dr.	Autumn Creek Blvd.	Non Comp	9	0.6	1.5	Yes	4.8	Yes	0.9,2.3	TS	3/14/2018	Smart Level
633	Prairie Meadows Dr.	Bluestem Dr.	Non Comp	100	100	100	No	100	No	100	TS	3/15/2018	Smart Level
416	Liliac Way/Vilet Ct.	Emerald Ln.	Comp	3.8	1.9	1.9	Yes	1.3	Yes	1.0,1.5	TS	3/15/2018	Smart Level
417	Liliac Way/Vilet Ct.	Emerald Ln.	Comp	4.2	0.6	1.4	Yes	0.5	Yes	3.6,1.0	TS	3/15/2018	Smart Level
418	Liliac Way/Vilet Ct.	Emerald Ln.	Comp	9	0.9	2.6	Yes	0.8	Yes	2.4,2.0	TS	3/15/2018	Smart Level
419	Liliac Way/Vilet Ct.	Emerald Ln.	Comp	5.2	0.5	3.1	Yes	0.6	Yes	3.1,2.4	TS	3/15/2018	Smart Level
420	Liliac Way/Vilet Ct.	Emerald Ln.	Comp	8	1.3	1.3	Yes	0.7	Yes	0.6,2.3	TS	3/15/2018	Smart Level
421	Liliac Way/Vilet Ct.	Emerald Ln.	Comp	3.4	1.6	1.3	Yes	1.7	Yes	2.3,0.6	TS	3/15/2018	Smart Level
422	Liliac Way/Vilet Ct.	Emerald Ln.	Comp	1.6	2	1.6	Yes	1.5	Yes	0.7,0.4	TS	3/15/2018	Smart Level
423	Liliac Way/Vilet Ct.	Emerald Ln.	Comp	5.1	0.7	1.6	Yes	1.2	Yes	0.4,0.7	TS	3/15/2018	Smart Level
426	Emerald Ln.	Ruby Dr.	Comp	7.1	0.5	1.7	Yes	0.4	Yes	1.2,1.1	TS	3/15/2018	Smart Level
428	Slate Dr./Ct.	Emerald Ln.	Comp	3	0.9	1.8	Yes	0.8	Yes	1.4,0.7	TS	3/15/2018	Smart Level
429	Slate Dr./Ct.	Emerald Ln.	Comp	1.7	0.6	0.9	Yes	1.4	Yes	0.6,1.4	TS	3/15/2018	Smart Level
430	Slate Dr./Ct.	Emerald Ln.	Comp	3	0.3	0.9	Yes	0.7	Yes	0.6,1.4	TS	3/15/2018	Smart Level
431	Slate Dr./Ct.	Emerald Ln.	Comp	5.4	0.7	2	Yes	0.5	Yes	2.1,2.0	TS	3/15/2018	Smart Level
432	Slate Dr./Ct.	Emerald Ln.	Comp	9.5	0.6	4.3	Yes	1.2	Yes	2.2,4.8	TS	3/15/2018	Smart Level

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433	Slate Dr.	Emerald Ln.	Comp	6.2	3.1	4.3	Yes	1	Yes	4.8,2.2	TS	3/15/2018	Smart Level
434	Slate Dr.	Lilac Way	Comp	7.6	1.2	2.9	Yes	0.5	Yes	0.8,1.1	TS	3/15/2018	Smart Level
435	Slate Dr.	Lilac Way	Comp	6	1.9	2.9	Yes	1.3	Yes	1.1,0.8	TS	3/15/2018	Smart Level
2313	Slate Dr.	Lilac Way	Comp	6.9	1.1	3	Yes	0.8	Yes	1.9,1.9	TS	3/15/2018	Smart Level
2315	Slate Dr.	Lilac Way	Comp	6.6	0.5	1.8	Yes	0.3	Yes	1.7,2.3	TS	3/15/2018	Smart Level
514	Autumn Creek Blvd.	Crimson Ln.	Comp	4.4	1.9	2.8	Yes	1.5	Yes	1.8,2.6	TS	3/15/2018	Smart Level
518	Autumn Creek Blvd.	Crimson Ln.	Comp	8.4	0.1	1.1	Yes	1	Yes	1.7,2.6	TS	3/15/2018	Smart Level
519	Autumn Creek Blvd.	Crimson Ln.	Comp	4.4	0.2	1.1	Yes	1	Yes	2.6,1.7	TS	3/15/2018	Smart Level
520	Autumn Creek Blvd.	Crimson Ln.	Comp	5.8	4.1	5.1	Yes	0.6	Yes	5.9,1.3	TS	3/15/2018	Smart Level
522	Autumn Creek Blvd.		Comp	8.3	2	2.7	Yes	0.6	Yes	2.1,0.8	TS	3/15/2018	Smart Level
523	Autumn Creek Blvd.		Comp	8.4	0.3	2	Yes	1.4	Yes	1.4,2.3	TS	3/15/2018	Smart Level
539	Autumn Creek Blvd.	School Exit	Non Comp	3.9	1.3	1.5	No	0.1	Yes	1.7	TS	3/15/2018	Smart Level
540	Autumn Creek Blvd.	School Exit	Non Comp	N/A	N/A	7.4	No	0.6	Yes	3.4,0.1	TS	3/15/2018	Smart Level
541	Autumn Creek Blvd.	School Exit	Non Comp	6.3	3.2	2.8	No	4.3	Yes	1.4	TS	3/15/2018	Smart Level
631	Bluestem Dr.	Prairie Meadows Dr.	Non Comp	10.9	2.6	2.8	No	0.2	Yes	1.4,2.9	TS	3/15/2018	Smart Level
635	Bluestem Dr.	Prairie Meadows Dr.	Non Comp	9.3	0.6	1.7	Yes	0.9	Yes	2.0,2.3	TS	3/15/2018	Smart Level
609	Wild Indigo Ln.	Bluestem Dr.	Non Comp	100	100	100	No	100	No	100	TS	3/15/2018	Smart Level
611	Wild Indigo Ln.	Bluestem Dr.	Non Comp	100	100	100	No	100	No	100	TS	3/15/2018	Smart Level
605	Bluestem Dr.	Prairie Grass Ln	Non Comp	8.5	0.7	2.6	No	2.4	No	3.3,1.7	TS	3/15/2018	Smart Level
606	Bluestem Dr.	Prairie Grass Ln	Non Comp	10.6	0.7	2.6	No	2.9	Yes	1.7,3.3	TS	3/15/2018	Smart Level
440	Emerald Ln.	Madden Ct.	Non Comp	7.5	2.5	0.8	Yes	0.3	Yes	0.5,1.2	TS	3/15/2018	Smart Level
441	Emerald Ln.	Cobalt Dr.	Comp	11.1	1.9	2.5	Yes	0.2	Yes	1.7,2.6	TS	3/15/2018	Smart Level
442	Emerald Ln.	Cobalt Dr.	Comp	14.1	1.9	2.5	Yes	2.5	Yes	2.6,1.7	TS	3/15/2018	Smart Level
443	Emerald Ln.	Cobalt Dr.	Non Comp	6.8	0.1	1.7	Yes	0.5	Yes	1.2,1.4	TS	3/15/2018	Smart Level
444	Emerald Ln.	Cobalt Dr.	Non Comp	9.6	2.8	0.4	No	0.2	No	0,0.9	TS	3/15/2018	Smart Level
445	Emerald Ln.	Cobalt Dr.	Non Comp	8.8	2	0.4	No	0.2	Yes	0,0.9	TS	3/15/2018	Smart Level
446	Emerald Ln.	Bike Path	Comp	8.6	0.9	1.6	Yes	0.5	Yes	1.9,2.8	TS	3/15/2018	Smart Level
447	Emerald Ln.	Bike Path	Comp	8	1.3	1.2	Yes	1.2	Yes	0.9,1.3	TS	3/15/2018	Smart Level
448	Emerald Ln.	Crimson Ln.	Comp	4.2	2.6	2.2	Yes	1.2	Yes	8.7,7.6	TS	3/15/2018	Smart Level
450	Emerald Ln.	Crimson Ln.	Comp	11.1	3.6	1.1	Yes	2	Yes	2.2,1.0	TS	3/15/2018	Smart Level
451	Emerald Ln.	Crimson Ln.	Comp	8.6	1.1	1.1	Yes	2.9	Yes	1.0,2.2	TS	3/15/2018	Smart Level
452	Emerald Ln.	Crimson Ln.	Comp	10.9	0.7	2.2	Yes	0.2	Yes	1.5,2.4	TS	3/15/2018	Smart Level
414	Kennedy Rd	Emerald Ln.	Comp	5	1.1	1.8	Yes	0.1	Yes	0.2,2.2	TS	3/15/2018	Smart Level
1095	Elden Dr.		Non Comp	7.8	3.4	2.5	Yes	1.5	Yes	1.3,1.6	TS	3/16/2018	Smart Level
1088	McMurtrie Way	Elden Dr.	Non Comp	10.6	3.6	3	No	2.1	Yes	1.1,2.2	TS	3/16/2018	Smart Level
1089	McMurtrie Way	Elden Dr.	Non Comp	8.9	3.8	3	No	2.1	No	2.2,1.1	TS	3/16/2018	Smart Level
1090	McMurtrie Way	Elden Dr.	Non Comp	8.8	3.9	2.8	No	0.2	Yes	2.2,3.0	TS	3/16/2018	Smart Level
1091	McMurtrie Way	Elden Dr.	Non Comp	10.2	3.2	2.8	No	0.5	No	2.2,3.0	TS	3/16/2018	Smart Level
173	Caledonia Dr.	Longview Dr.	Non Comp	11.8	2	1.1	No	2	Yes	0.3,1.7	TS	3/16/2018	Smart Level
174	Caledonia Dr.	Longview Dr.	Non Comp	7.5	2.1	1.1	No	0.2	Yes	1.7,0.3	TS	3/16/2018	Smart Level
167	Caledonia Dr.	Pinewood Dr.	Non Comp	6.3	2.7	3.2	Yes	0.9	Yes	3.3,1.5	TS	3/16/2018	Smart Level
168	Caledonia Dr.	Pinewood Dr.	Non Comp	7.8	1.2	3.2	Yes	1.8	Yes	1.5,3.3	TS	3/16/2018	Smart Level
171	Caledonia Dr.	Lauren Dr.	Non Comp	12.5	1.5	1.7	No	0.3	Yes	2.1,1.4	TS	3/16/2018	Smart Level

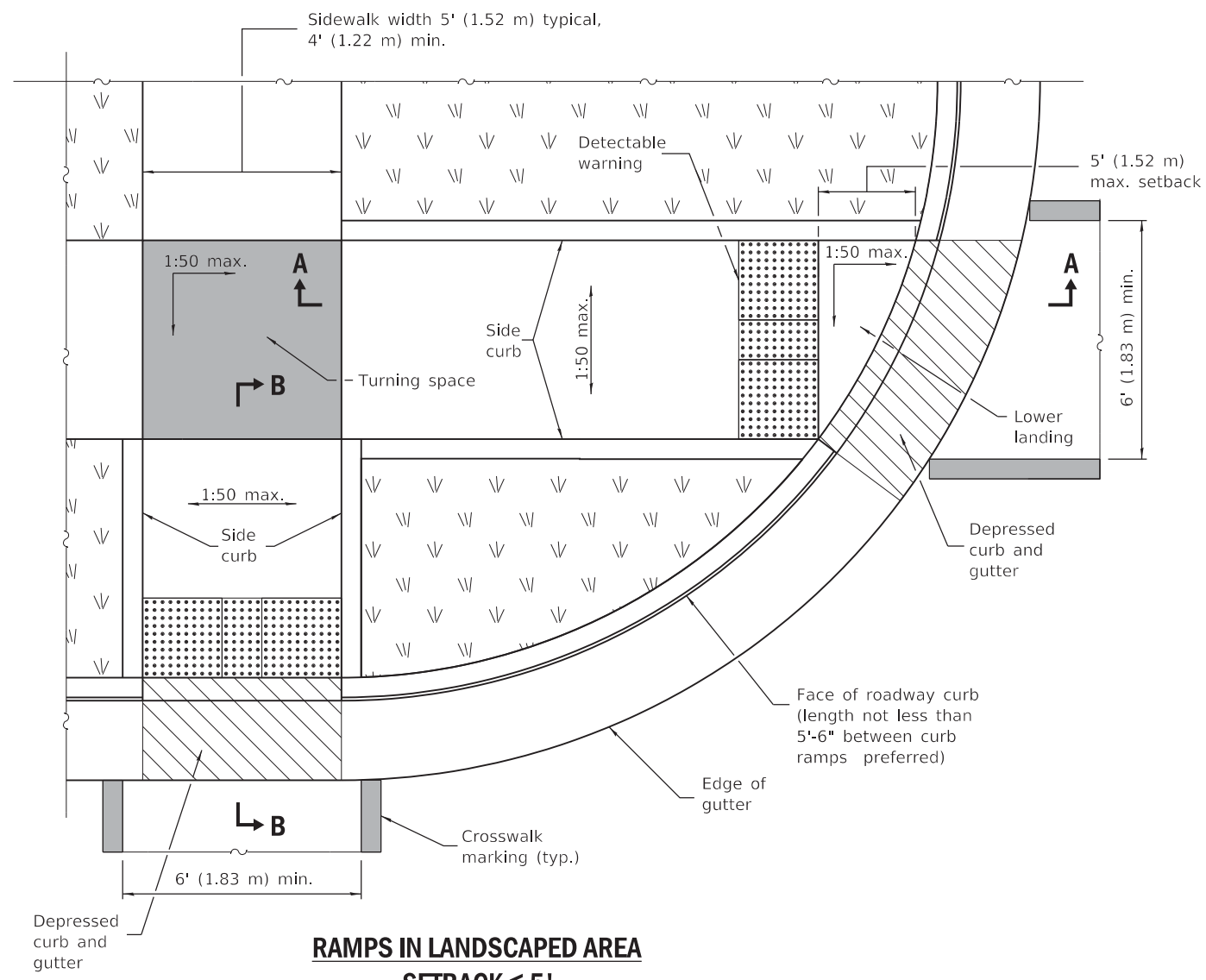
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172	Caledonia Dr.	Lauren Dr.	Non Comp	8.8	2.3	1.7	No	1.3	Yes	1.4,2.1	TS	3/16/2018	Smart Level
2270	Fontana Dr.	Bombah Blvd.	Non Comp	10.8	3.3	2.3	No	0.2	No	1.6,2.4	TS	3/16/2018	Smart Level
2271	Fontana Dr.	Bombah Blvd.	Non Comp	12.7	2.9	2.3	No	0.7	No	2.4,1.6	TS	3/16/2018	Smart Level
163	Shadow Wood Dr.	Bombah Blvd.	Non Comp	10.2	1.5	1	Yes	1	No	1.1,0.9	TS	3/16/2018	Smart Level
164	Shadow Wood Dr.	Bombah Blvd.	Non Comp	11.5	3.9	1	Yes	1.2	Yes	0.9,1.1	TS	3/16/2018	Smart Level
2322	Shadow Wood Dr.	Bombah Blvd.	Non Comp	3.2	2.3	2.4	No	2.3	Yes	0.7	TS	3/16/2018	Smart Level
2323	Shadow Wood Dr.	Bombah Blvd.	Non Comp	10.5	0.5	2.4	No	2.7	No	0.7	TS	3/16/2018	Smart Level
2324	Shadow Wood Dr.	Longview Dr.	Non Comp	9.4	0.1	1.1	Yes	0.2	No	1.1,1.2	TS	3/16/2018	Smart Level
2325	Shadow Wood Dr.	Longview Dr.	Non Comp	8.5	0.2	2.3	Yes	1	Yes	1.4,1.6	TS	3/16/2018	Smart Level
165	Shadow Wood Dr.	Longview Dr.	Non Comp	4.9	0.7	2.8	No	1	No	3.0,1.5	TS	3/16/2018	Smart Level
166	Shadow Wood Dr.	Longview Dr.	Non Comp	7.3	0.9	2.8	No	1.2	Yes	1.5,3.0	TS	3/16/2018	Smart Level
1323	Game Farm Rd.	Pleasure Dr.	Non Comp	4.5	1.8		No	1	Yes	1.8	MRB	3/22/2018	Smart Level
1324	Game Farm Rd.	Pleasure Dr.	Non Comp	0.5	0.5		No	1	Yes	0.6	MRB	3/22/2018	Smart Level
1325	Game Farm Rd.	Beecher Center	Non Comp	2.4	1		No	0.3	Yes	1	MRB	3/22/2018	Smart Level
1326	Game Farm Rd.	Beecher Center	Non Comp	1.6	0.9		No	0.2	Yes	0.9	MRB	3/22/2018	Smart Level
1328	Library	Game Farm Rd.	Comp	8.6	0.5	1.3	Yes	0.6	Yes	1.2	MRB	3/22/2018	Smart Level
1329	Game Farm Rd.	Library	Non Comp	0.2	1.4		No	0.4	Yes	1.4	MRB	3/22/2018	Smart Level
1330	Game Farm Rd.	City Hall	Non Comp	2.2	0.4		Yes	1.1	Yes	0.4	MRB	3/22/2018	Smart Level
1331	Game Farm Rd.	City Hall	Non Comp	4	2.2		Yes	0.9	Yes	2.2	MRB	3/22/2018	Smart Level
1333	Game Farm Rd.	Football Stadium	Non Comp	0	2.5		Yes	2	Yes	2.5	MRB	3/22/2018	Smart Level
1334	Football Stadium	Game Farm Rd.	Comp	9.7	2.3	3.2	Yes	1.2	Yes	2.7, 2.8	MRB	3/22/2018	Smart Level
1335	Game Farm Rd.	High School	Non Comp	2.2	3	2.5	Yes	0.4	Yes	3.2	MRB	3/22/2018	Smart Level
1336	Game Farm Rd.	High School	Comp	3	9	1.5	Yes	1.3	Yes	0.9	MRB	3/22/2018	Smart Level
1337	Game Farm Rd.	School Bus Entrance	Comp	0.4	3.5	1.9	Yes	4.8	Yes	1.9	MRB	3/22/2018	Smart Level
1338	Game Farm Rd.	School Bus Entrance	Comp	2.7	2	3.1	Yes	4.2	Yes	2	MRB	3/22/2018	Smart Level
1340	Game Farm Rd.	High School Academy	Comp	1.8	0.7	2.1	Yes	0.7	Yes	1.8	MRB	3/22/2018	Smart Level
1341	Game Farm Rd.	School Bus Exit	Comp	2.2	2.9	2.9	Yes	3	Yes	2.9	MRB	3/22/2018	Smart Level
1342	Game Farm Rd.	School Bus Exit	Comp	0.4	3.6	3.9	Yes	4.4	Yes	3.9	MRB	3/22/2018	Smart Level
1278	John Street	Parking Lot	Non Comp	4.5	4.2	3.3	No	1.5	No	3.3, 2.2	MRB	3/22/2018	Smart Level
1277	Parking Lot	John St.	Non Comp	7.1	2.2	3.3	No	3.1	No	3.3, 2.2	MRB	3/22/2018	Smart Level
1276	Parking Lot	John St.	Non Comp	3.5	2.5	4.2	No	1	Yes	3.5	MRB	3/22/2018	Smart Level
1275	Parking Lot	John St.	Non Comp	3.6	0.6		No	0.6	Yes	0.2	MRB	3/22/2018	Smart Level
2317	Parking Lot	John St.	Non Comp	2.8	0.2		No	0.3	No	0.6	MRB	3/22/2018	Smart Level
56	Plymouth Ave.	Bristol Bay Dr	Non Comp	2.1	0.1	1	No	0.4	Yes	0.8	MRB	3/23/2018	Smart Level
57	Plymouth Ave.	Bristol Bay Dr	Non Comp	7	1.2	1.4	No	0.9	Yes	1.2	MRB	3/23/2018	Smart Level
58	Plymouth Ave.	Bristol Bay Dr	Non Comp	6.7	1.4	3.7	No	0.2	Yes	2.4, 1.6	MRB	3/23/2018	Smart Level
59	Bristol Bay Dr.	Plymouth Ave.	Non Comp	6.6	0.9	3.7	No	0.1	Yes	2.4, 1.6	MRB	3/23/2018	Smart Level
60	Bristol Bay Dr.	Plymouth Ave.	Non Comp	4.3	2.2	5	No	0.3	Yes	1.8, 2.3	MRB	3/23/2018	Smart Level
61	Plymouth Ave.	Bristol Bay Dr	Non Comp	4	1	5	No	0.4	Yes	1.8, 2.3	MRB	3/23/2018	Smart Level
83	Gardiner Ave	Bertram Dr.	Non Comp	8.8	1.1	4.8	No	0.1	Yes	4.4,1.9	MRB	3/23/2018	Smart Level
84	Bertram Dr.	Gardiner Ave	Non Comp	8.6	2.4	4.8	No	1.5	Yes	4.4, 1.9	MRB	3/23/2018	Smart Level
85	Gardiner Ave	Bertram Dr.	Non Comp	5.1	2.1	3.9	No	2.3	No	3.7, 0.7	MRB	3/23/2018	Smart Level
86	Bertram Dr.	Gardiner Ave	Non Comp	8.3	0.6	3.9	No	2	Yes	3.7, 0.7	MRB	3/23/2018	Smart Level

FID	Street Name	Cross Street	Detectable Warning Tile (Comp or Non-Comp)	Running Slope of Ramp (%)	Ramp Cross Slope (%)	Common Square Slope (%)	Depressed Curb & Gutter (Yes, No or N/A)	Curb & Gutter slope (%)	Corresponding Ramp (Yes or No)	Cross Slope of Adjacent Squares (%)	INSP BY:	Date	EQUIP
2313	Gardiner Ave	Bertram Dr.	Non Comp	5.9	2.6	3.9	No	0.7	Yes	2.3	MRB	3/23/2018	Smart Level
109	Sarasota Ave	Bertram Dr.	Non Comp	6.5	1.6	2.9	Yes	0.4	Yes	2.7	MRB	3/23/2018	Smart Level
110	Sarasota Ave	Bertram Dr.	Non Comp	5.7	2.5	2.9	No	1.7	Yes	1.6, 0.7	MRB	3/23/2018	Smart Level
111	Bertram Dr.	Sarasota Ave	Non Comp	8.8	1.5	2.9	No	2.2	Yes	1.6, 0.7	MRB	3/23/2018	Smart Level
112	Bertram Dr.	Sarasota Ave	Non Comp	6.8	1.1	2.2	No	1.1	Yes	2.2, 1.3	MRB	3/23/2018	Smart Level
113	Sarasota Ave	Bertram Dr.	Non Comp	5.8	0.4	2.2	Yes	0.5	Yes	2.2, 1.3	MRB	3/23/2018	Smart Level
114	Sarasota Ave	Bertram Dr.	Non Comp	7.1	0.5	2.8	Yes	0.5	Yes	2.6	MRB	3/23/2018	Smart Level
105	Harrison Dr.	Bertram Dr.	Non Comp	2.2	1.4	3.3	No	0.3	No	2.5, 1.9	MRB	3/23/2018	Smart Level
104	Bertram Dr.	Harrison Dr.	Non Comp	2.8	1.8	3.3	No	1.4	Yes	2.5, 1.9	MRB	3/23/2018	Smart Level
106	Bertram Dr.	Harrison Dr.	Non Comp	8.3	0.5	2.3	No	0.3	Yes	2.0, 0.5	MRB	3/23/2018	Smart Level
107	Harrison Dr.	Bertram Dr.	Non Comp	9.3	1.2	2.3	No	0.7	Yes	2.0, 0.5	MRB	3/23/2018	Smart Level
108	Harrison Dr.	Bertram Dr.	Non Comp	5.6	0.9	2.6	No	0.1	Yes	2.4	MRB	3/23/2018	Smart Level
1352	John Street	John St.	Non Comp	3.6	1		Yes	1	Yes		MRB	3/23/2018	Smart Level
1351	John Street	John St.	Non Comp	4.9	10.4	10.6	Yes	0.9	Yes		MRB	3/23/2018	Smart Level
2320	34 Access Rd	John St.	Non Comp			8.1	No	1.4	Yes		MRB	3/23/2018	Smart Level
2321	34 Access Rd	John St.	Non Comp			8.3	No	1.6	Yes		MRB	3/23/2018	Smart Level
2318	John Street	Hospital Emergency	Non Comp			8.6	No	1.8	Yes		MRB	3/23/2018	Smart Level
2319	John Street	Hospital Emergency	Non Comp			8.4	No	1.5	Yes		MRB	3/23/2018	Smart Level
1271	Beecher Road	John St.	Non Comp	1.5	0.2	2.5	N/A		No	1.8	MRB	3/23/2018	Smart Level
1272	Beecher Road	John St.	Comp			1.9	Yes	0.7	No	2.0, 0.3	MRB	3/23/2018	Smart Level
1273	John Street	Hospital Parking	Non Comp	4.6	8.9	10.1	No	0.8	Yes		MRB	3/23/2018	Smart Level
1274	John Street	Hospital Parking	Non Comp	4.5	5.1	10.3	No	1.7	Yes		MRB	3/23/2018	Smart Level

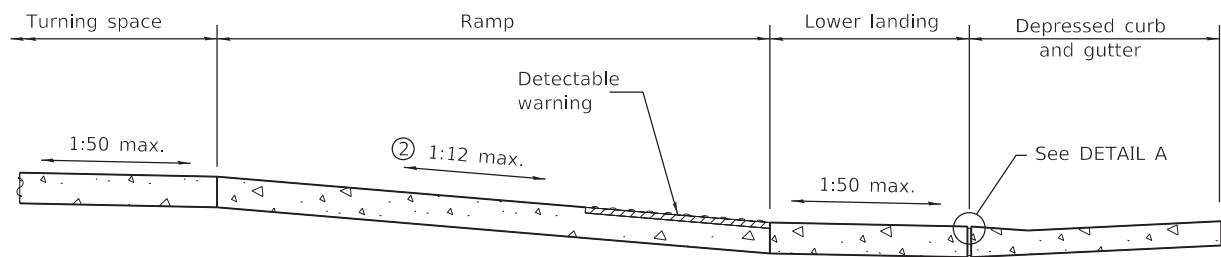
FID	Street Name	Cross Street	Detectable Warning Tile (Comp or Non-Comp)	Max Slope of Corner (%)	Upper Landing A (%)	Upper Landing B (%)	Depressed Curb & Gutter (Yes, No or N/A)	Curb & Gutter slope (%)	Running Slope of Connected Squares (%)	Cross Slope of Connected Squares (%)	Corresponding Ramp (Yes or No)	INSP BY:	Date	EQUIP
1302	Cannonball Trl	Patrick Ct.	Non Comp	12.7	Not Req'd	Not Req'd	Yes	0.1	0.5	2.1	Yes	TS	6/26/2017	Smart Level
1304	Cannonball Trl	Patrick Ct.	Non Comp	5.8	Not Req'd	Not Req'd	Yes	1.2	4.0,0.4	0.1,2.2	Yes	TS	6/26/2017	Smart Level
1322	Game Farm Rd.	W Veterans Pkwy	Comp	3.7	Not Req'd	Not Req'd	Yes	2.8	0.8	2.4	Yes	TS	6/26/2017	Smart Level
1481	Tower Ln.	W Somonauk Rd.	Comp	1.4	Not Req'd	Not Req'd	Yes	1.1	4.7	1.7	Yes	TS	6/20/2017	Smart Level
1500	Freemont St.	Jackson St.	Comp	4.4	Not Req'd	Not Req'd	N/A	N/A	3.0,3.0	3.1,1.8	Yes	TS	6/22/2017	Smart Level
1503	McHugh Rd.	Jackson St.	Non Comp	7.9	Not Req'd	Not Req'd	Yes	1	1.1,3.8	3.1,3.8	Yes	TS	6/21/2017	Smart Level
1505	McHugh Rd.	Jackson St.	Non Comp	6.5	Not Req'd	Not Req'd	Yes	0.9	0.2,2.3	2.9,1.8	Yes	TS	6/21/2017	Smart Level
1506	McHugh Rd.	Elm St.	Non Comp	10	Not Req'd	Not Req'd	Yes	0.3	0.1,2.1	6.1,4.5	Yes	TS	6/21/2017	Smart Level
1507	McHugh Rd.	Elm St.	Non Comp	7.5	Not Req'd	Not Req'd	Yes	3.3	0.9,1.3	5.1,0.1	Yes	TS	6/21/2017	Smart Level
1512	Freemont St.	Park St.	Comp	1.8	3.4	Not Req'd	Yes	3	6.0,0.2	0.8,2.8	Yes	TS	6/22/2017	Smart Level
1519	McHugh Rd.	E Park St.	Non Comp	11.5	Not Req'd	Not Req'd	Yes	3.5	0.5,0.0	0.3,0.0	Yes	TS	6/21/2017	Smart Level
1570	McHugh Rd.	E Spring St.	Non Comp	7.4	Not Req'd	Not Req'd	Yes	1.1	0.6,0.3	2.2,2.0	Yes	TS	6/23/2017	Smart Level
1575	Bruell St.	E Spring St.	Comp	1.8	Not Req'd	Not Req'd	Yes	0.2	1.8,3.2	1.6,0.6	Yes	TS	6/23/2017	Smart Level
1576	Bruell St.	E Spring St.	Comp	1.2	2.9	1.5	Yes	0.6	8.4,6.7	0.9,0.0	Yes	TS	6/23/2017	Smart Level
1589	Church St.	W Center St.	Non Comp	2.8	Not Req'd	Not Req'd	no	0.9	1.1,0.5	1.9,2.5	Yes	TS	6/20/2017	Smart Level
1639	McHugh Rd.	E Main St.	Comp	2.8	Not Req'd	3	Yes	2.1	4.8,6.3	2.3,0.3	Yes	TS	6/23/2017	Smart Level
1643	Bruell St.	E Main St.	Comp	4.4	Not Req'd	5.9	Yes	5.2	2.9,6.8	0.5,0.7	Yes	TS	6/23/2017	Smart Level
1646	Oakwood St.	E Main St.	Non Comp	2.5	2.2	2	No	2.1	5.2,10.2	0.1,1.1	Yes	TS	6/23/2017	Smart Level
1647	Oakwood St.	E Main St.	Comp	2.1	Not Req'd	2.5	Yes	0.7	2.8,5.8	2.1,1.5	Yes	TS	6/23/2017	Smart Level
1648	Oakwood St.	E Main St.	Comp	1.4	Not Req'd	3.6	No	2.6	5.0,6.0	1.5,0.4	Yes	TS	6/23/2017	Smart Level
1649	Johnson St.	E Main St.	Comp	2.9	7.6	3	No	4	11.5,7.2	3.5,0.7	No	TS	6/22/2017	Smart Level
1651	Oakwood St.	Behrens St.	Comp	2.8	2	3.5	Yes	2.8	8.7,7.6	1.6,1.2	No	TS	6/23/2017	Smart Level
1683	S Main St.	W Van Emmon St.	Non Comp	13.2	N/A	N/A	Yes	14.8	11.5	2	Yes	TS	6/12/2017	Smart Level
1684	S Main St.	W Van Emmon St.	Non Comp	10.7	4.2	18.4	Yes	9.8		0.2,0.9	No	TS	6/12/2017	Smart Level
1705	State St.	W Madison St.	N/A	12.1			Yes	13.7		2.7,7.4	Yes	TS	6/12/2017	Smart Level
1754	Heustis St.	E Fox St.	N/A	6.6			No	3.6		3.1	Yes	TS	6/15/2017	Smart Level
1758	Heustis St.	E Fox St.	Non Comp	1			No	1.6		0.9,1.9	Yes	TS	6/15/2017	Smart Level
1795	State St.	W Orange St.	Non Comp	1.3	Not Req'd	Not Req'd	N/A	N/A	1.6,1.5	1.5,1.6	Yes	TS	6/14/2017	Smart Level
1808	Heustis St.	E Orange St.	Non Comp	5.1			N/A	N/A		4.1,1.9	Yes	TS	6/15/2017	Smart Level
1811	Mill St.	Illini Dr.	Non Comp	1.8	Not Req'd	Not Req'd	Yes	1.3	2.9,3.4	1.3,1.8	Yes	TS	6/15/2017	Smart Level
1812	Mill St.	Illini Dr.	Non Comp	2.6	Needed	Needed	Yes	1.9	7.4,1.0	0.3,1.6	Yes	TS	6/15/2017	Smart Level
1820	Morgan St.	Blaine St.	Non Comp	6	Not Req'd	Not Req'd	Yes	1.6		1.2,1.3	Yes	TS	6/14/2017	Smart Level
1822	Morgan St.	Blaine St.	Non Comp	4.5	Not Req'd	Not Req'd	Yes	1.3	1.4,0.8	1.3,0.3	Yes	TS	6/14/2017	Smart Level
424	Emerald Ln.	Ruby Dr.	Comp	2.5	Not Req'd	Not Req'd	Yes	0.6	1.3,0.9	1.2,1.7	Yes	TS	3/15/2018	Smart Level
425	Emerald Ln.	Ruby Dr.	Comp	1.4	Not Req'd	Not Req'd	Yes	0.8	4.9,0.3	1.2,0.2	Yes	TS	3/15/2018	Smart Level
412	Kennedy Rd.	Emerald Ln.	Comp	1.7	Not Req'd	Not Req'd	Yes	1.9	< 5	0.6,1.5	Yes	TS	3/15/2018	Smart Level
1327	Game Farm Rd.	Library	Comp	4.7	Not Req'd	Not Req'd	Yes	2.1	0.8, 11.8	1.9, 1.0	Yes	MRB	3/22/2018	Smart Level
1332	Game Farm Rd.	Football Stadium	Comp	5.9	Not Req'd	Not Req'd	Yes	0.6	5.8, 4.2	4.5, 4.2	Yes	MRB	3/22/2028	Smart Level
1339	Game Farm Rd.	High School Academy	Comp	2	Not Req'd	Not Req'd	Yes	1.1	1.6, 5.2	0.8, 2.0	Yes	MRB	3/22/2018	Smart Level

EXHIBIT D

ILLINOIS DEPARTMENT OF TRANSPORTATION CURB RAMP STANDARD DETAILS

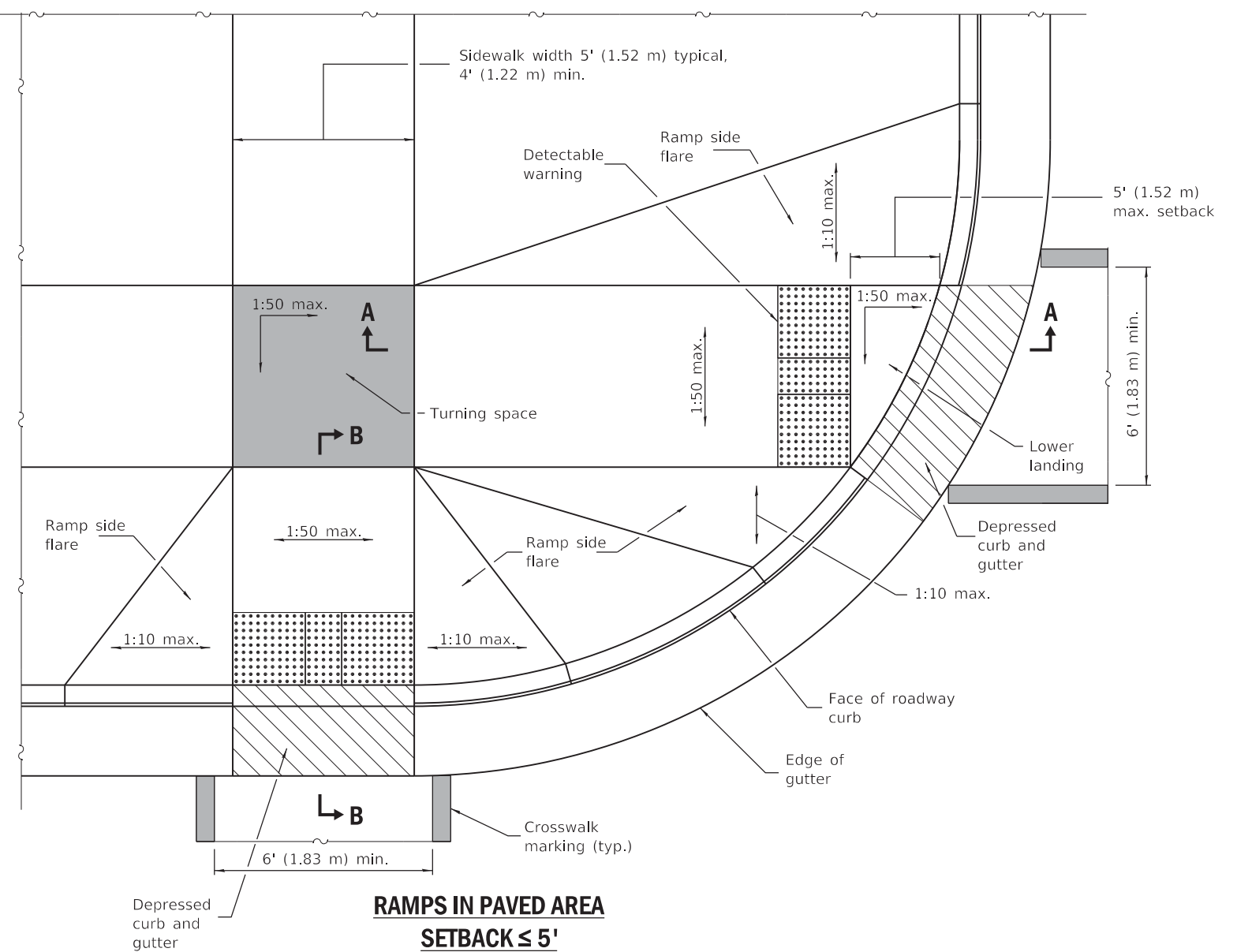


**RAMPS IN LANDSCAPED AREA
SETBACK ≤ 5'**

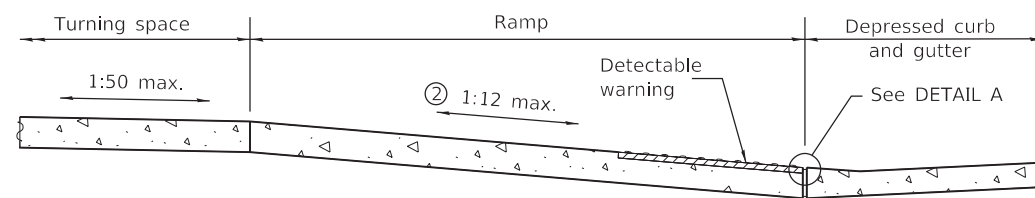


SECTION A-A

② The running slope of the curb ramp shall not require the ramp length to exceed 15' (4.5 m).

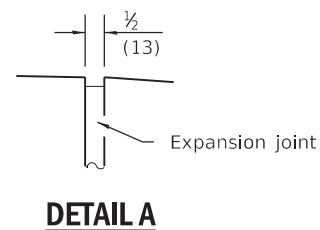


**RAMPS IN PAVED AREA
SETBACK ≤ 5'**

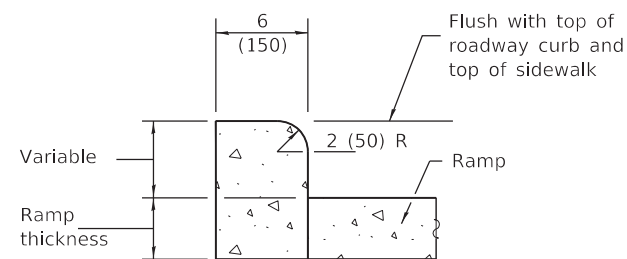


SECTION B-B

② The running slope of the curb ramp shall not require the ramp length to exceed 15' (4.5 m).



DETAIL A



SIDE CURB DETAIL

See Sheet 2 for GENERAL NOTES.

DATE	REVISIONS
1-1-18	Omitted diagonal slope at turning spaces and lower landings.
1-1-17	Added 2' dimension to det. warnings for setbacks greater than 5'.

**PERPENDICULAR CURB RAMPS
FOR SIDEWALKS**

(Sheet 1 of 2)

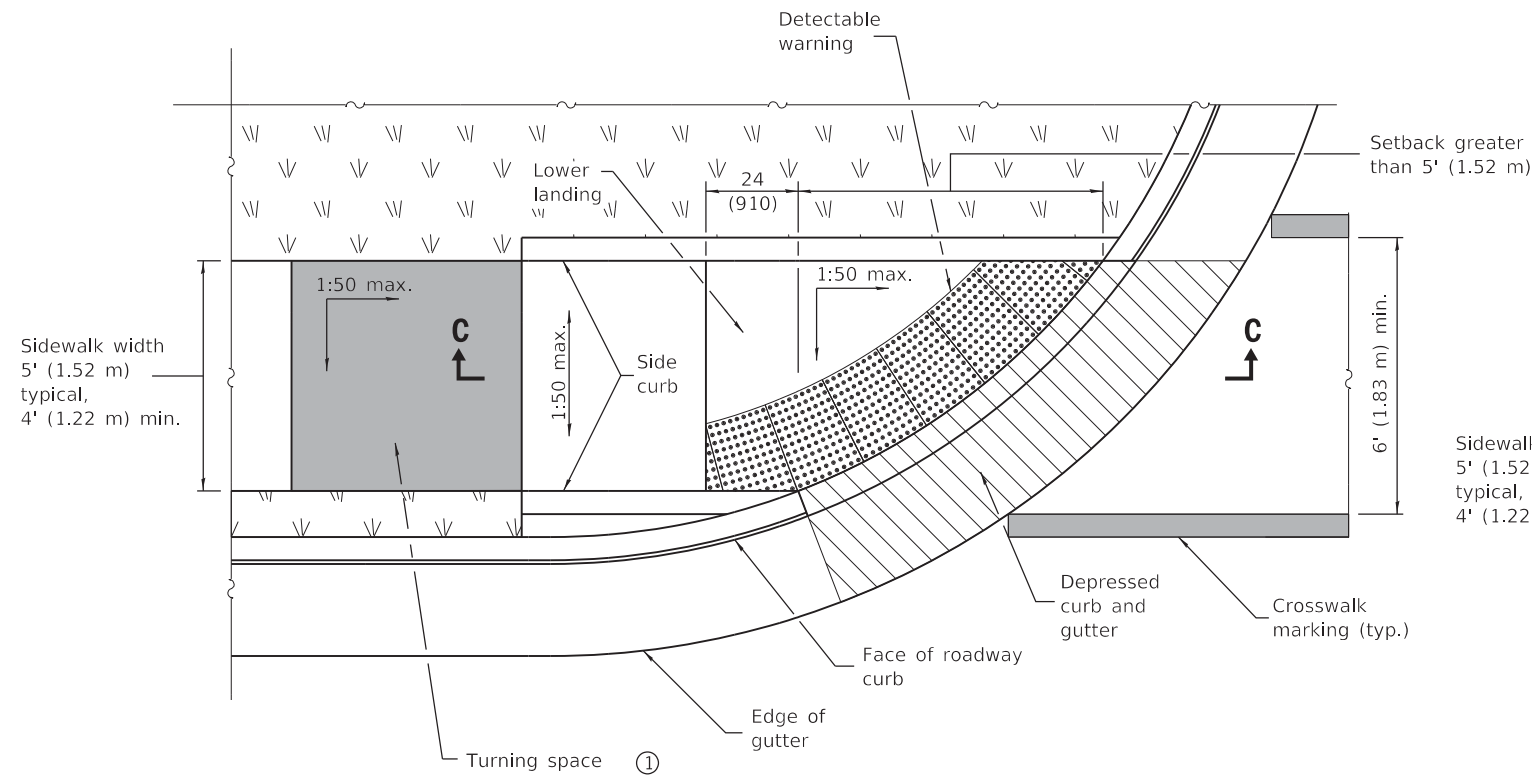
STANDARD 424001-10

Illinois Department of Transportation

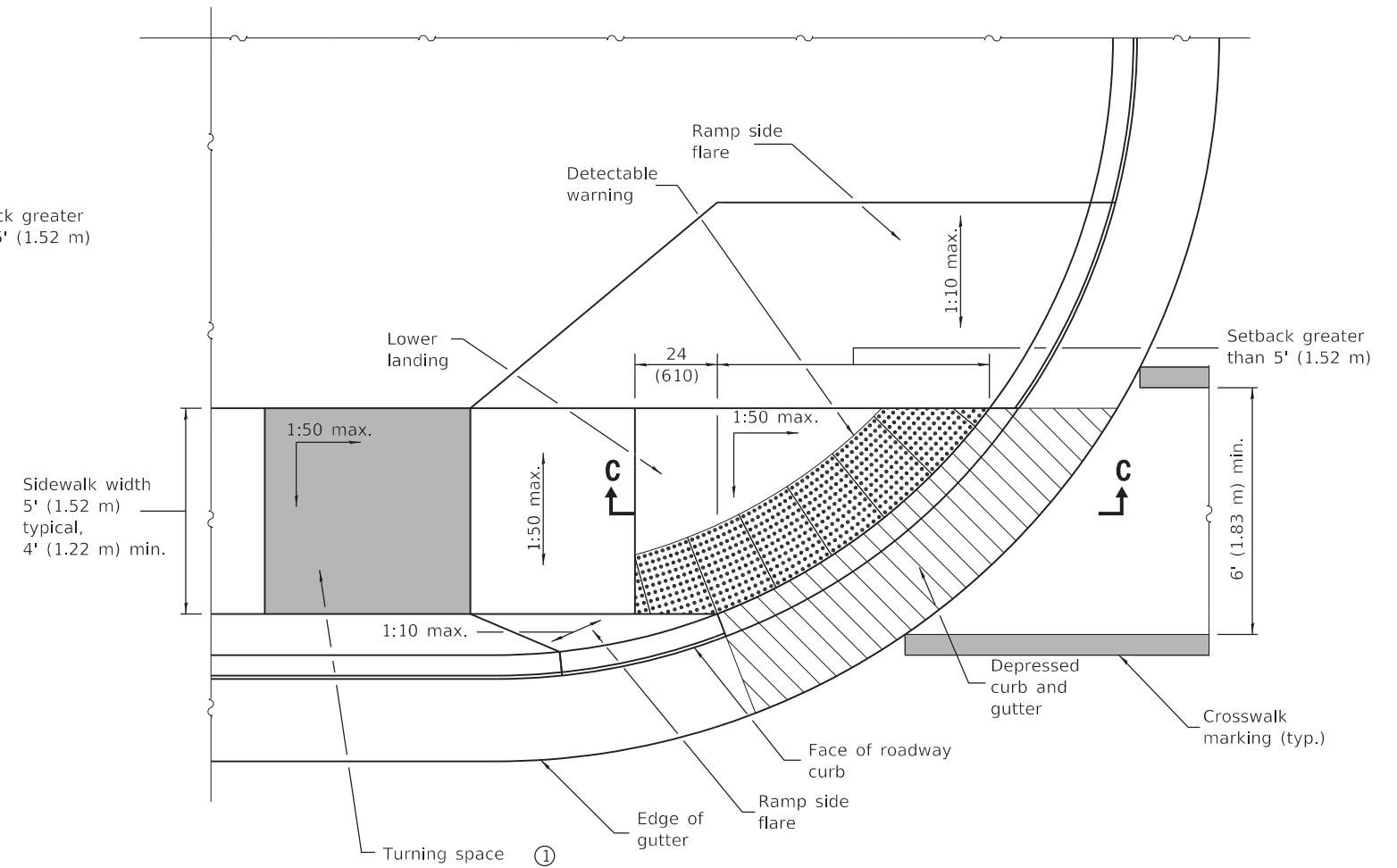
PASSED January 1, 2018
Michael Beard
 ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2018
Marcus M. Beck
 ENGINEER OF DESIGN AND ENVIRONMENT

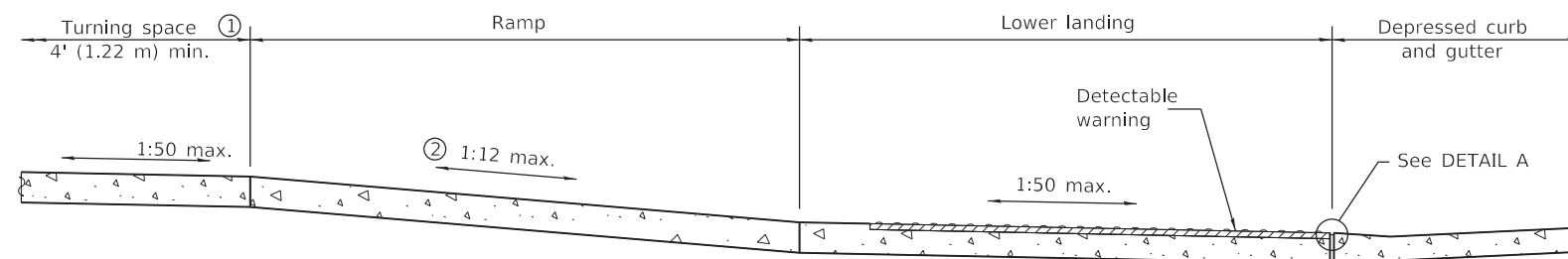
ISSUED 1-1-97



**RAMP IN LANDSCAPED AREA
SETBACK > 5'**



**RAMP IN PAVED AREA
SETBACK > 5'**



SECTION C-C

- ① Turning space not required for ramp slopes flatter than 1:20.
- ② The running slope of the curb ramp shall not require the ramp length to exceed 15' (4.5 m).

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

Where the turning space is constrained on a side opposite a ramp, the minimum length of the turning space in the direction of the ramp-run shall be 5' (1.52 m).

Where 1:50 maximum slope is shown, 1:64 is preferred.

See Standard 606001 for details of depressed curb adjacent to curb ramp.

All dimensions are in inches (millimeters) unless otherwise shown.

**PERPENDICULAR CURB RAMPS
FOR SIDEWALKS**

(Sheet 2 of 2)

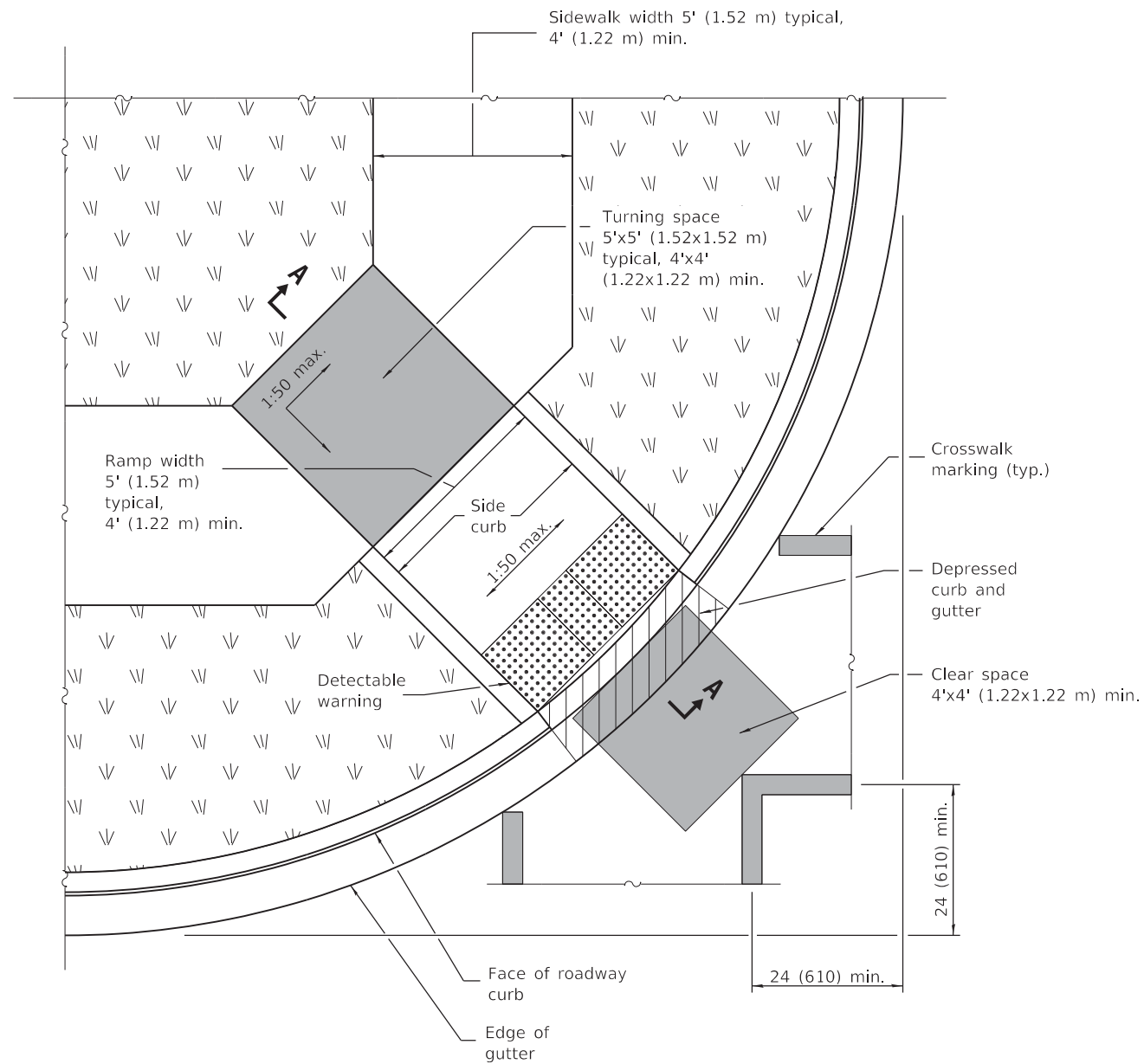
STANDARD 424001-10

Illinois Department of Transportation

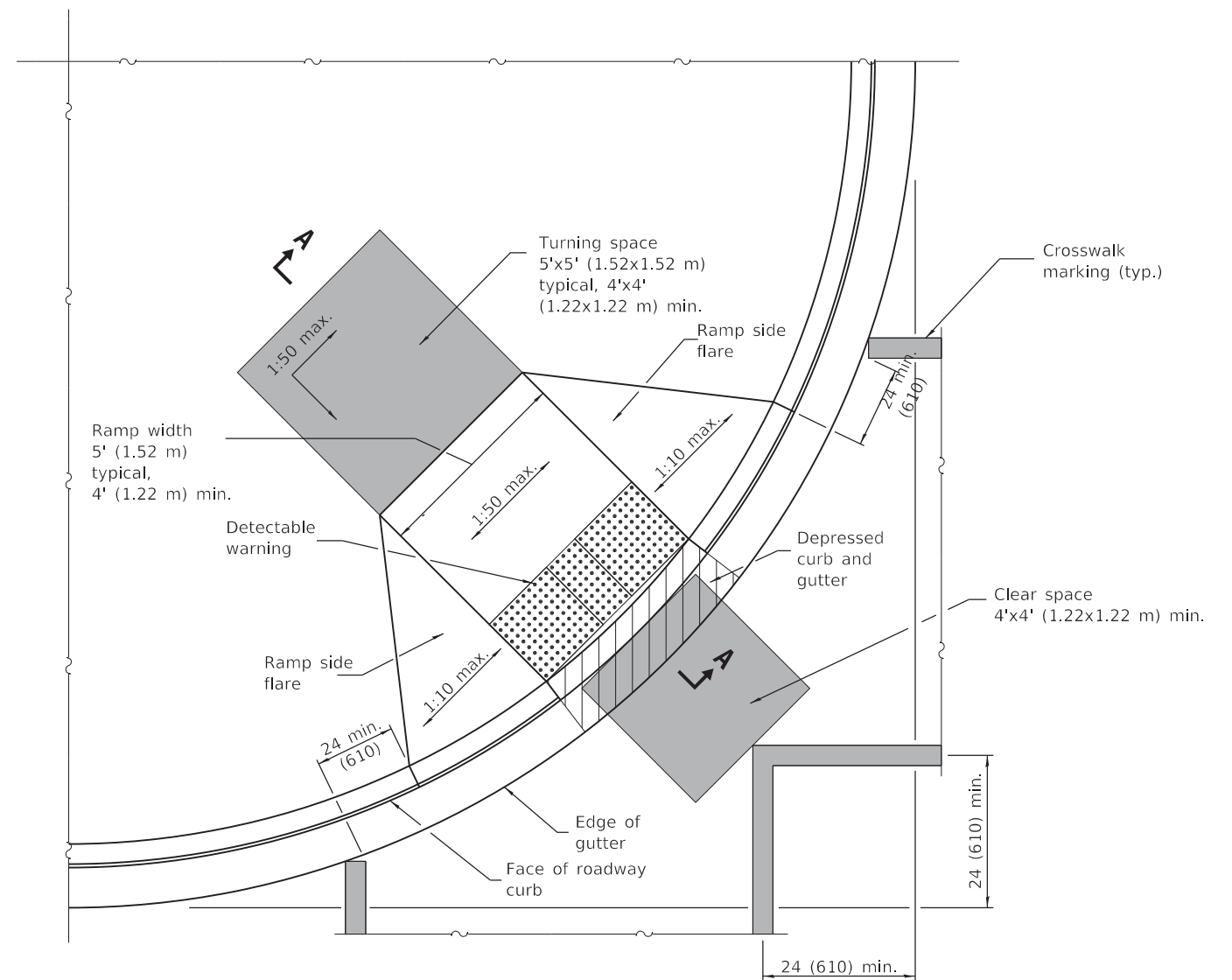
PASSED January 1, 2018
Michael Beard
 ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2018
Marcus M. Adams
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97



RAMP IN LANDSCAPED AREA



RAMP IN PAVED AREA

GENERAL NOTES

This Standard shall only be used for curb radii of 20 ft. (6.1 m) or greater.

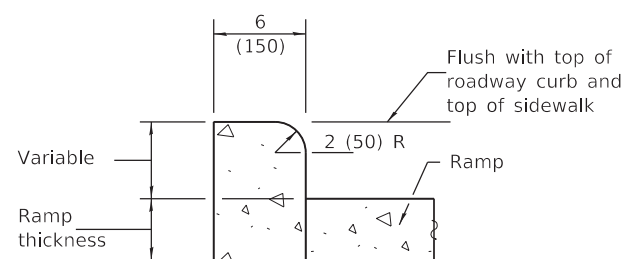
Where the turning space is constrained on a side opposite a ramp, the minimum length of the turning space in the direction of the ramp-run shall be 5' (1.52 m).

Where 1:50 maximum slope is shown, 1:64 is preferred.

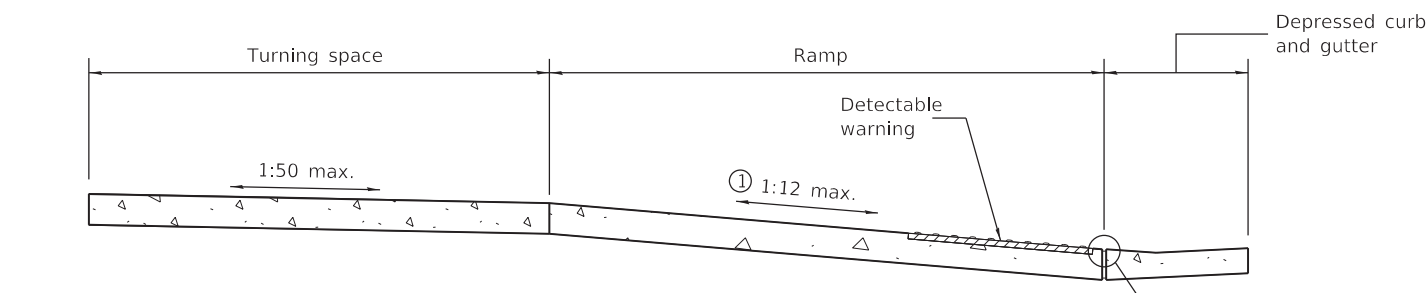
All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

See Standard 606001 for details of depressed curb adjacent to curb ramp.

All dimensions are in inches (millimeters) unless otherwise shown.

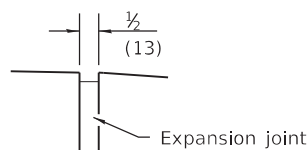


SIDE CURB DETAIL



SECTION A-A

① The running slope of the curb ramp shall not require the ramp length to exceed 15' (4.5 m).



DETAIL A

Illinois Department of Transportation

PASSED January 1, 2018

Michael Brand
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2018

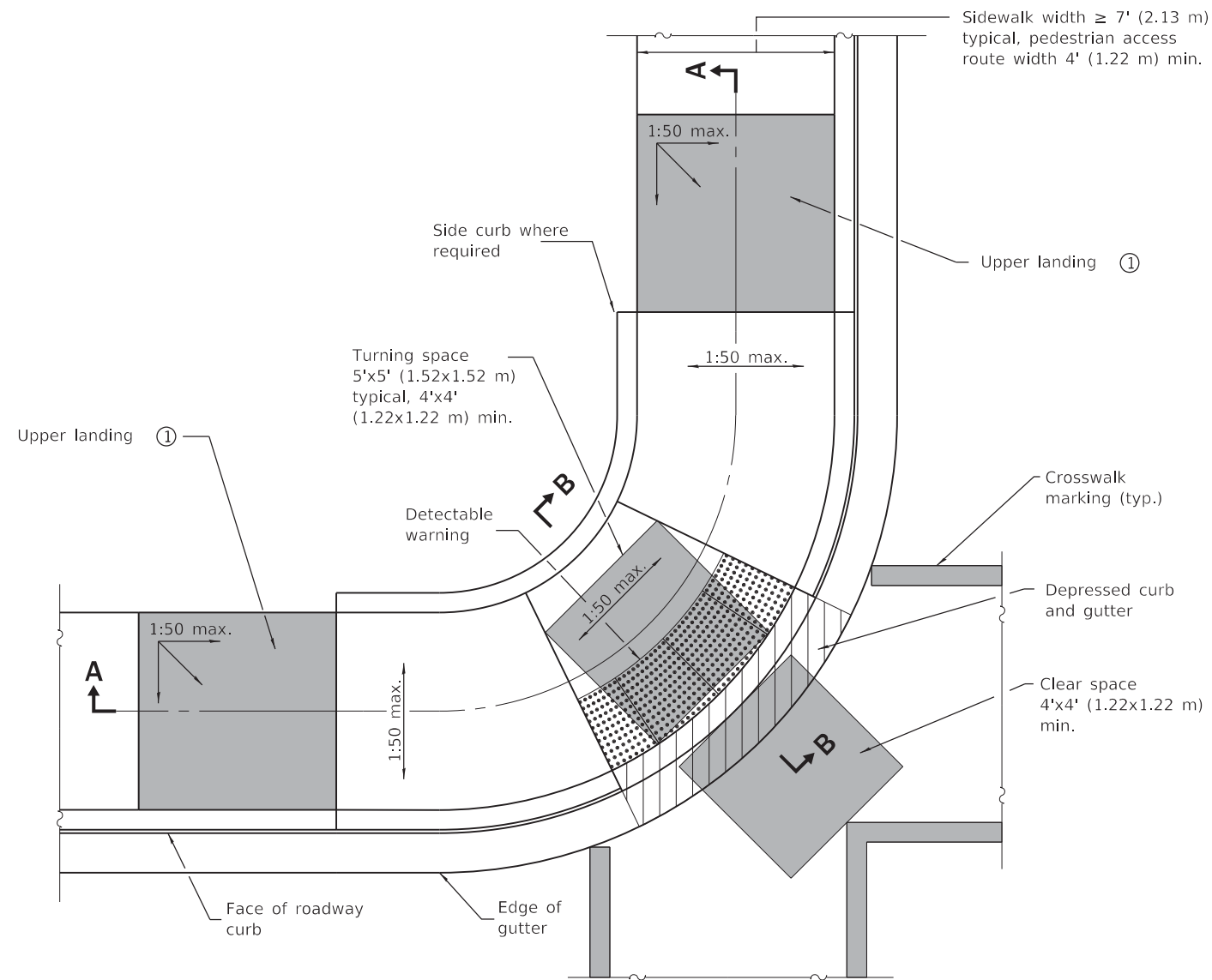
Marcus M. Adams
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-12

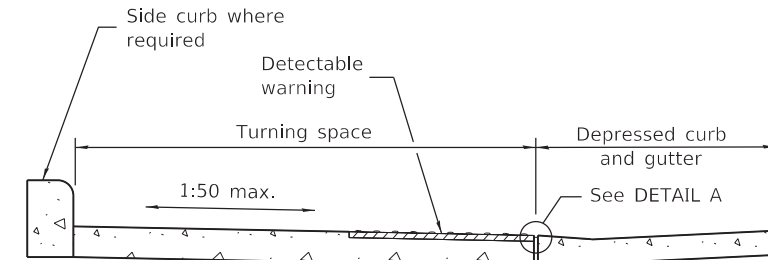
DATE	REVISIONS
1-1-18	Omitted diagonal slope at turning spaces.
1-1-15	Changed 'Upper landing' to 'Turning space'. Added note reg. const. turning space.

DIAGONAL CURB RAMPS FOR SIDEWALKS

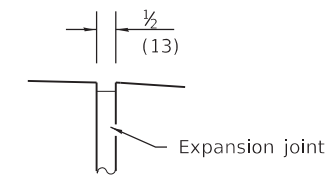
STANDARD 424006-03



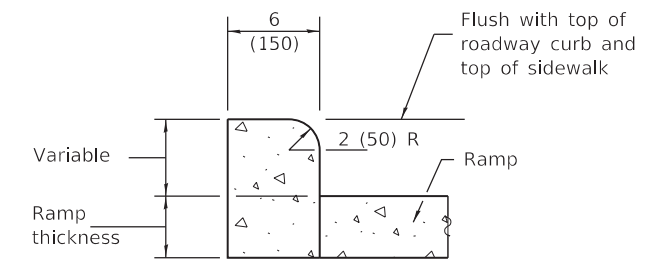
CORNER PARALLEL CURB RAMP



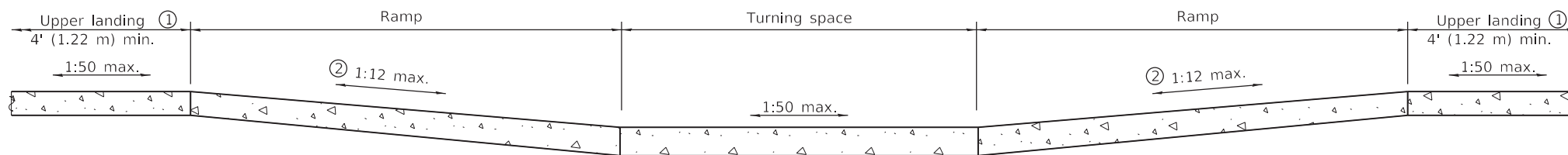
SECTION B-B



DETAIL A



SIDE CURB DETAIL



SECTION A-A

- ① Upper landing(s) not required for ramp slopes flatter than 1:20.
- ② The running slope of the curb ramp shall not require the ramp length to exceed 15' (4.5 m).

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

Where the turning space is constrained on a side opposite a ramp, the minimum length of the turning space in the direction of the ramp-run shall be 5' (1.52 m).

Where 1:50 maximum slope is shown, 1:64 is preferred.

See Standard 606001 for details of depressed curb adjacent to curb ramp.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2017
Michael Brand
 ENGINEER OF POLICY AND PROCEDURES

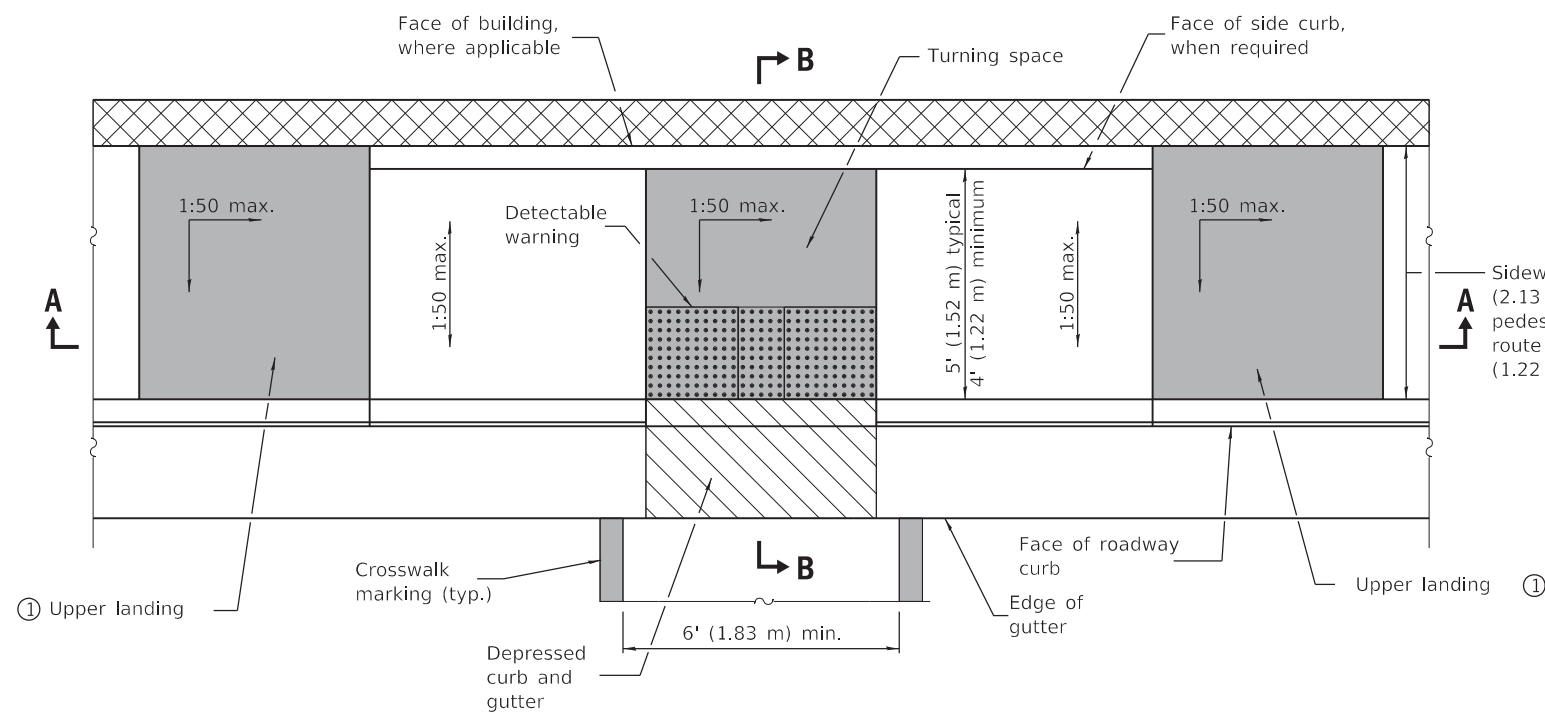
APPROVED January 1, 2017
Marcus M. Adams
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-12

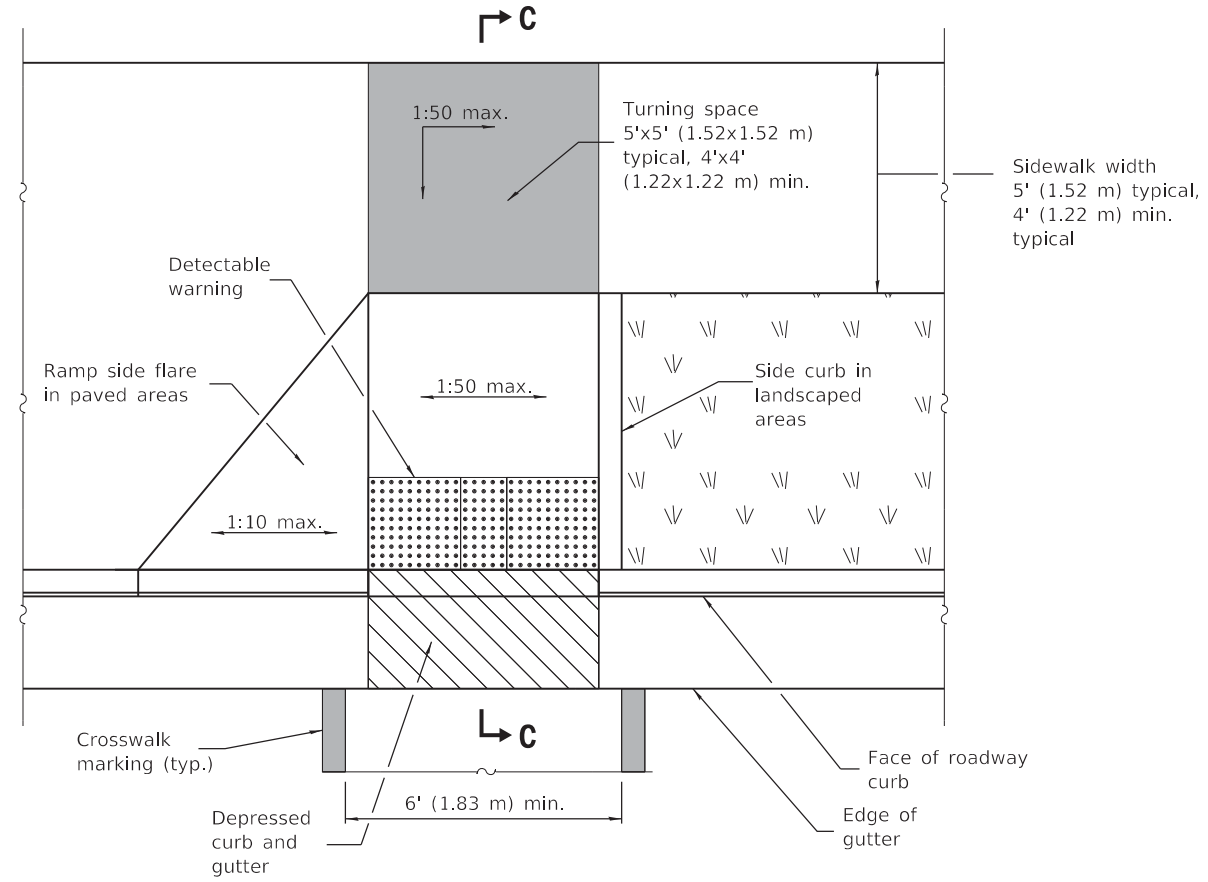
DATE	REVISIONS
1-1-17	Revised sidewalk width to include 24 (610) buffer behind curb.
1-1-15	Changed 'Lower landing' to 'Turning space'. Added x-walk markings. Added note ②.

CORNER PARALLEL CURB RAMPS FOR SIDEWALKS

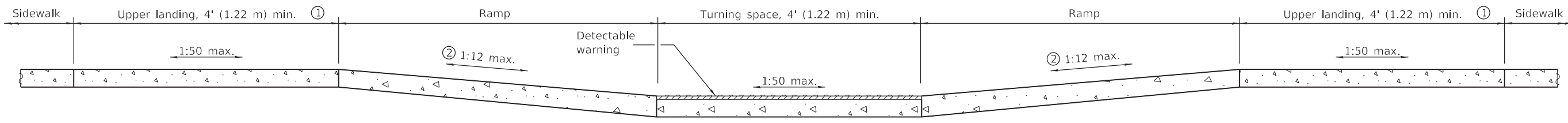
STANDARD 424011-03



PARALLEL MID-BLOCK CURB RAMP

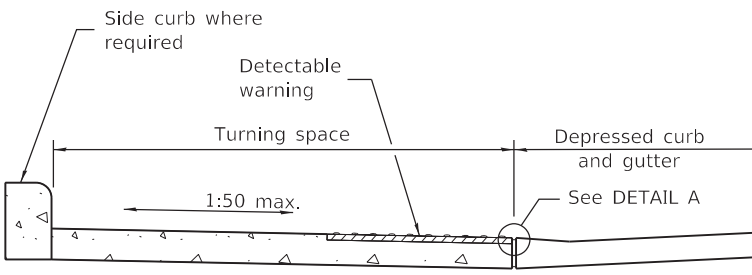


PERPENDICULAR MID-BLOCK CURB RAMP

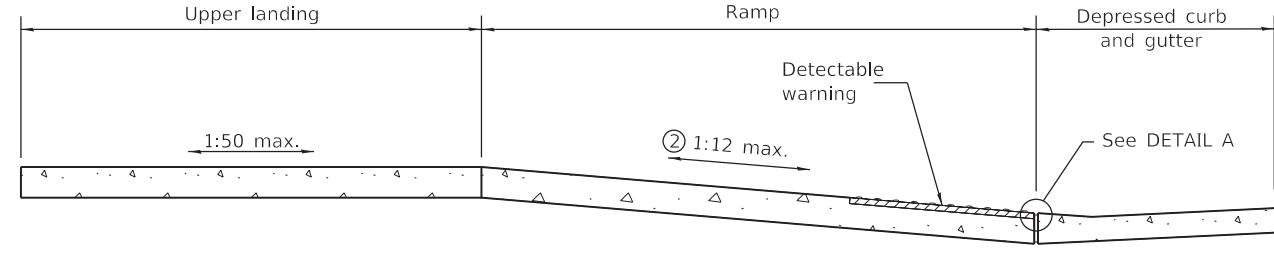


SECTION A-A

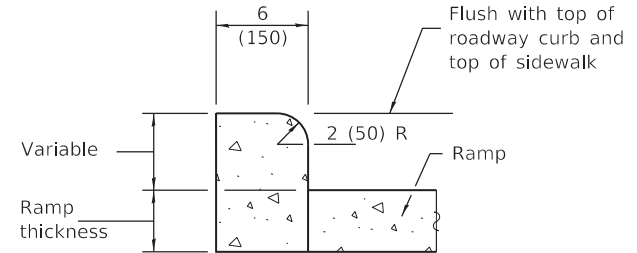
- ① Upper landing(s) not required for ramp slopes flatter than 1:20.
- ② The running slope of the curb ramp shall not require the ramp length to exceed 15' (4.5 m).



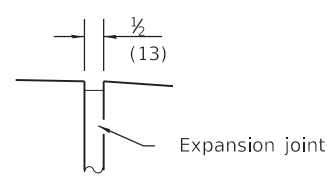
SECTION B-B



SECTION C-C



SIDE CURB DETAIL



DETAIL A

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

Where the turning space is constrained on a side opposite a ramp, the minimum length of the turning space in the direction of the ramp-run shall be 5' (1.52 m).

Where 1:50 maximum slope is shown, 1:64 is preferred.

See Standard 606001 for details of depressed curb adjacent to curb ramp.

All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-18	Omitted diagonal slope at turning spaces and upper landings.
1-1-17	Revised sidewalk width to include 24 (610) buffer behind curb.

MID-BLOCK CURB RAMPS FOR SIDEWALKS

STANDARD 424016-04

Illinois Department of Transportation

PASSED January 1, 2018
Michael Brand
 ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2018
Maureen M. Adams
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-12

Sidewalk width 5' (1.52 m) typical, 4' (1.22 m) min.

Upper landing ① full width of sidewalk by 4' (1.22 m) min.

Side curb where required

1:50 max.

1:50 max.

Side curb

1:50 max.

Detectable warning

1:50 max.

Depressed corner

1:50 max.

Face of roadway curb

Edge of gutter

Depressed curb and gutter

Side curb where required

Detectable warning

Depressed corner

1:50 max.

Depressed curb and gutter

See DETAIL A

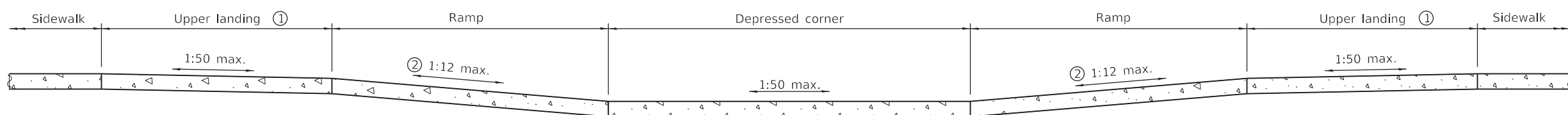
SECTION B-B

A

B

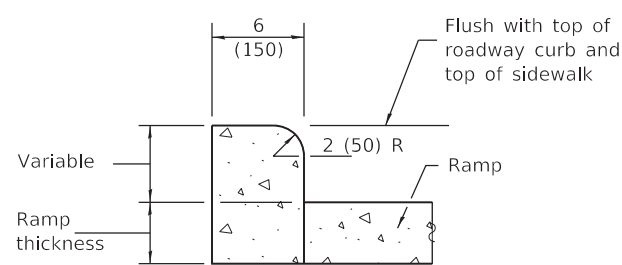
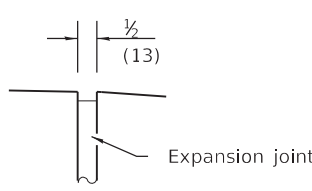
① Upper landing full width of sidewalk by 4' (1.22 m) min.

DEPRESSED CORNER



SECTION A-A

- ① Upper landing(s) not required for ramp slopes flatter than 1:20.
- ② The running slope of the curb ramp shall not require the ramp length to exceed 15' (4.5 m).



GENERAL NOTES

This standard shall only be used for curb radii of 6 ft. (1.83 m) or greater.

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

Where 1:50 maximum slope is shown, 1:64 is preferred.

See Standard 606001 for details of depressed curb adjacent to curb ramp.

All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-18	Omitted diagonal slope at turning spaces and upper landings.
1-1-15	Added note ②.

DEPRESSED CORNER FOR SIDEWALKS

STANDARD 424021-04

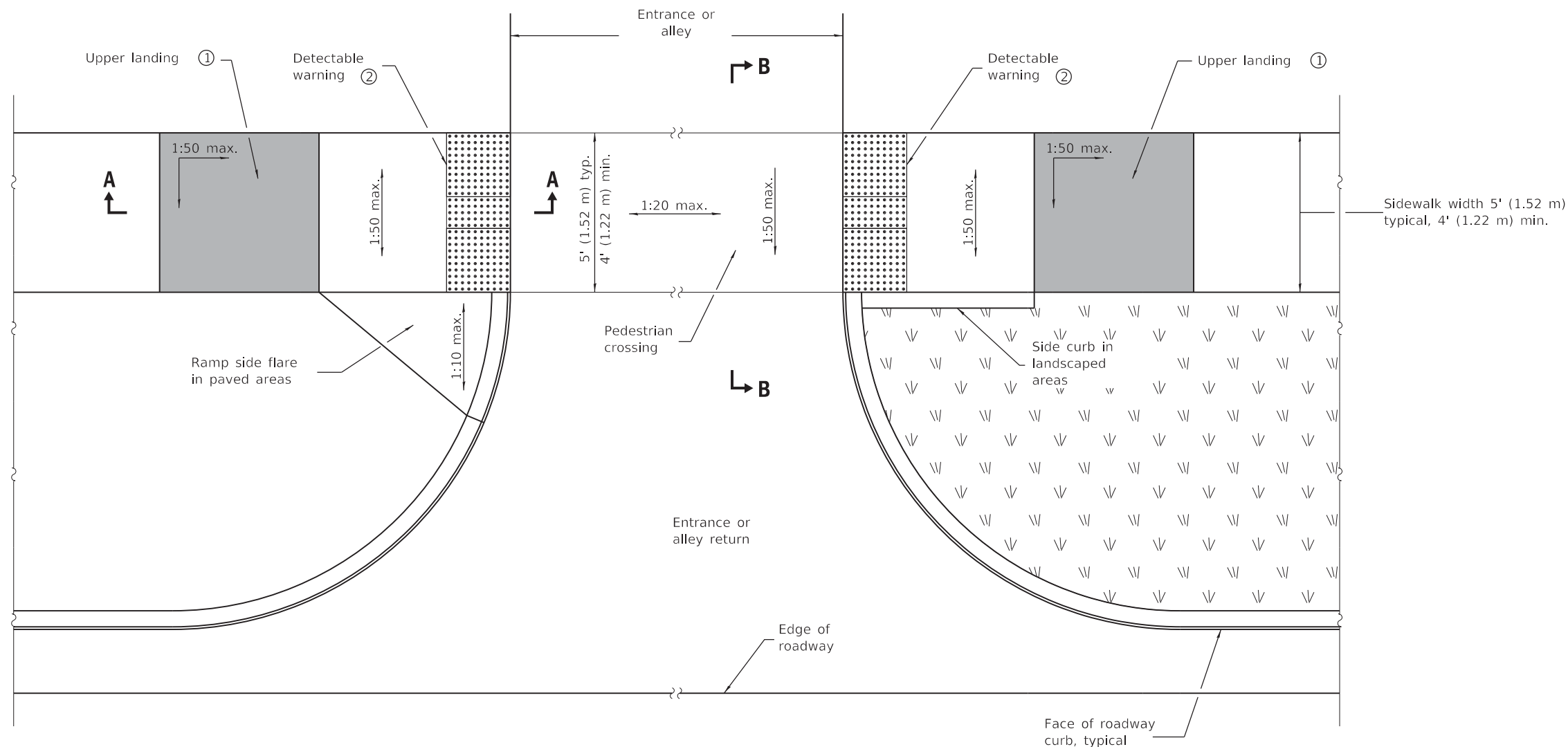
Illinois Department of Transportation

PASSED January 1, 2018
Michael Beard
 ENGINEER OF POLICY AND PROCEDURES

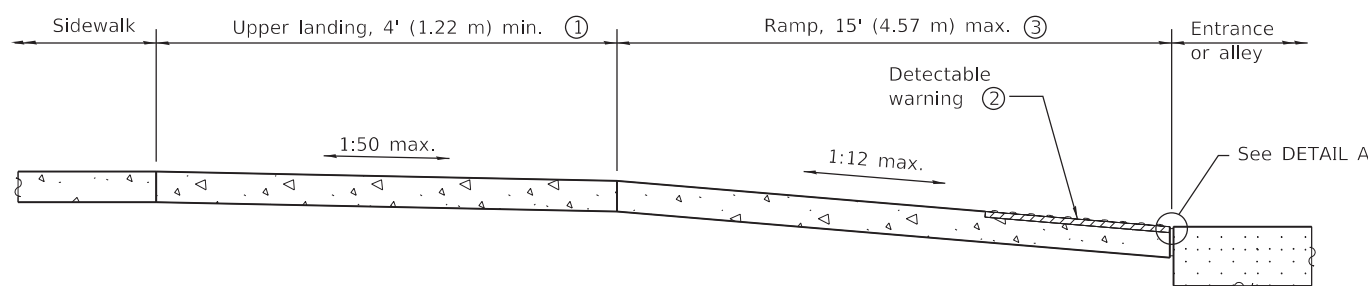
APPROVED January 1, 2018
Marcus M. Beck
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-12

- ② Detectable warning shall only be installed at entrances/alleys with permanent traffic control devices (i.e. stop signs, signals).
- ③ Where possible, maintain the grade of the sidewalk across the entrance/alley to avoid the need for ramps and upper landings.

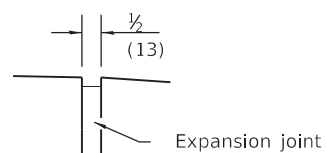


ENTRANCE / ALLEY PEDESTRIAN CROSSING

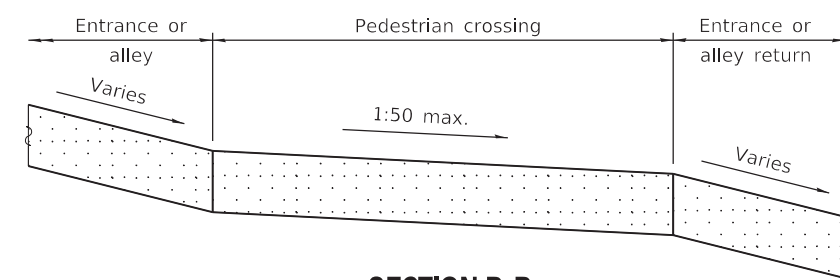


SECTION A-A

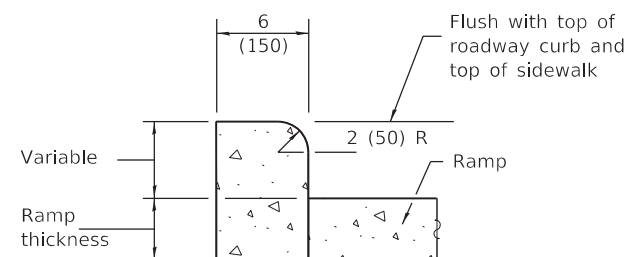
① Upper landing not required for ramp slopes flatter than 1:20.



DETAIL A



SECTION B-B



SIDE CURB DETAIL

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

Where 1:50 maximum slope is shown, 1:64 is preferred.

All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-18	Omitted diagonal slope at upper landings.
1-1-13	Revised General Notes.

ENTRANCE / ALLEY PEDESTRIAN CROSSINGS

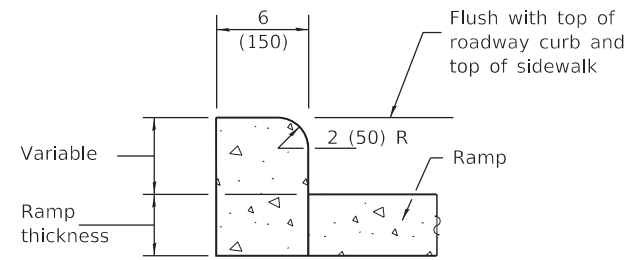
STANDARD 424026-02

Illinois Department of Transportation

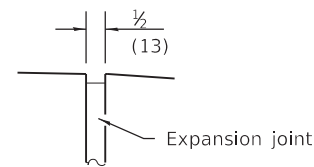
APPROVED January 1, 2018
Michael Beard
 ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2018
Marcus M. Beck
 ENGINEER OF DESIGN AND ENVIRONMENT

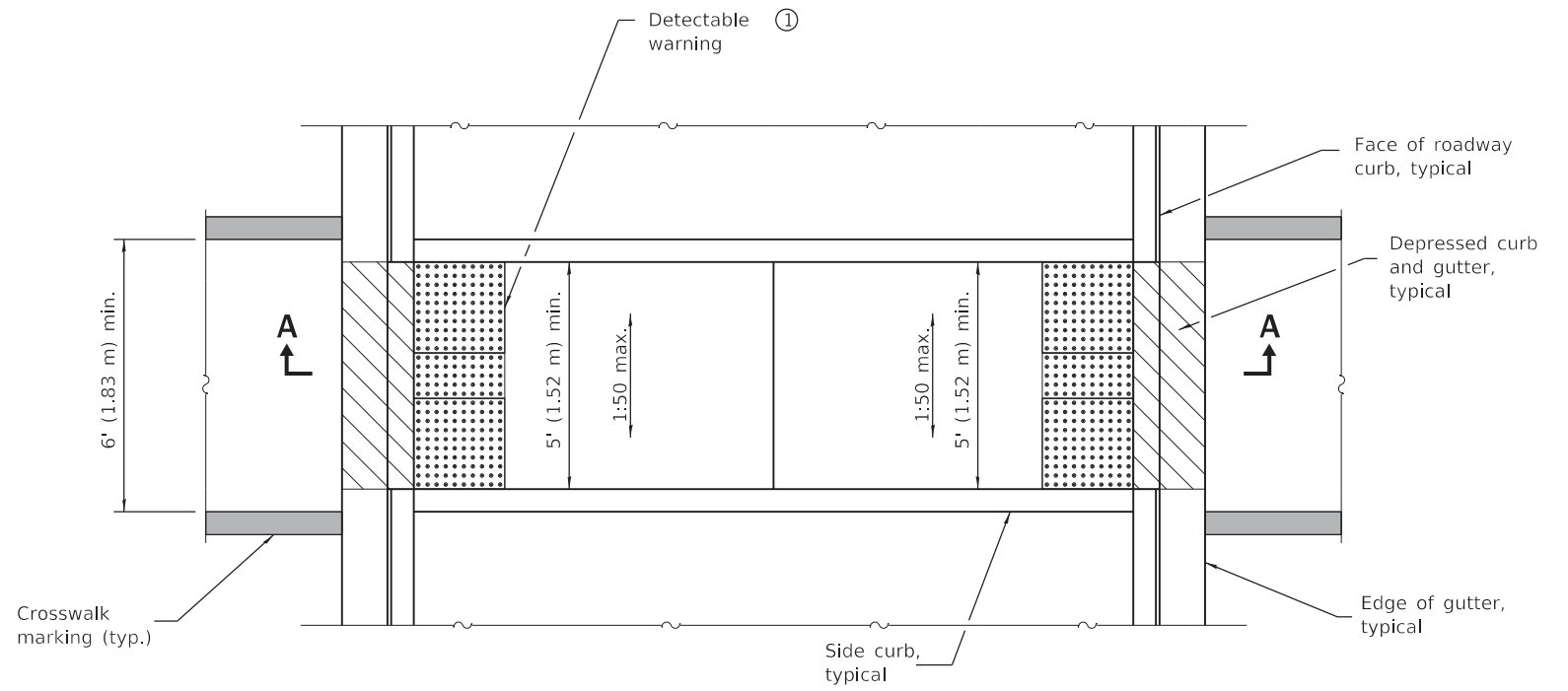
ISSUED 1-1-12



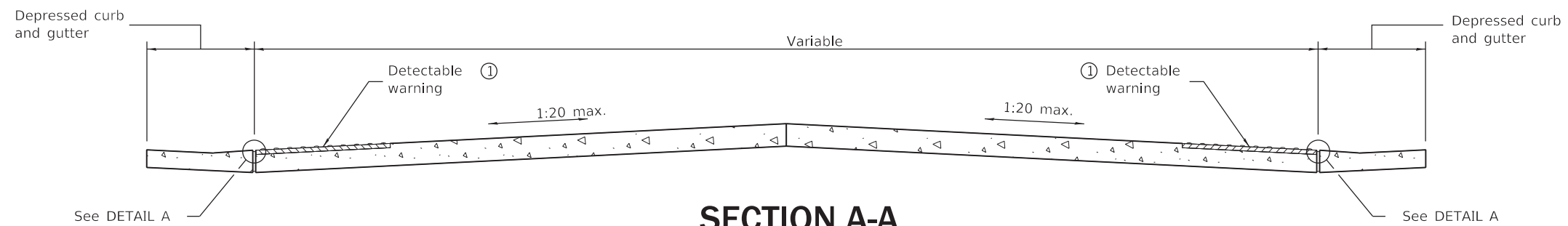
SIDE CURB DETAIL



DETAIL A



MEDIAN PEDESTRIAN CROSSING



SECTION A-A

① Omit detectable warnings when distance between back of curbs is less than 6' (1.83 m).

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

Where 1:50 maximum slope is shown, 1:64 is preferred.

See Standard 606001 for details of depressed curb adjacent to curb ramp.

All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-12	Widened crosswalk to 6' (1.83 m) min. inside dimension.
	Revised General Notes.
1-1-12	New standard.

MEDIAN PEDESTRIAN CROSSINGS

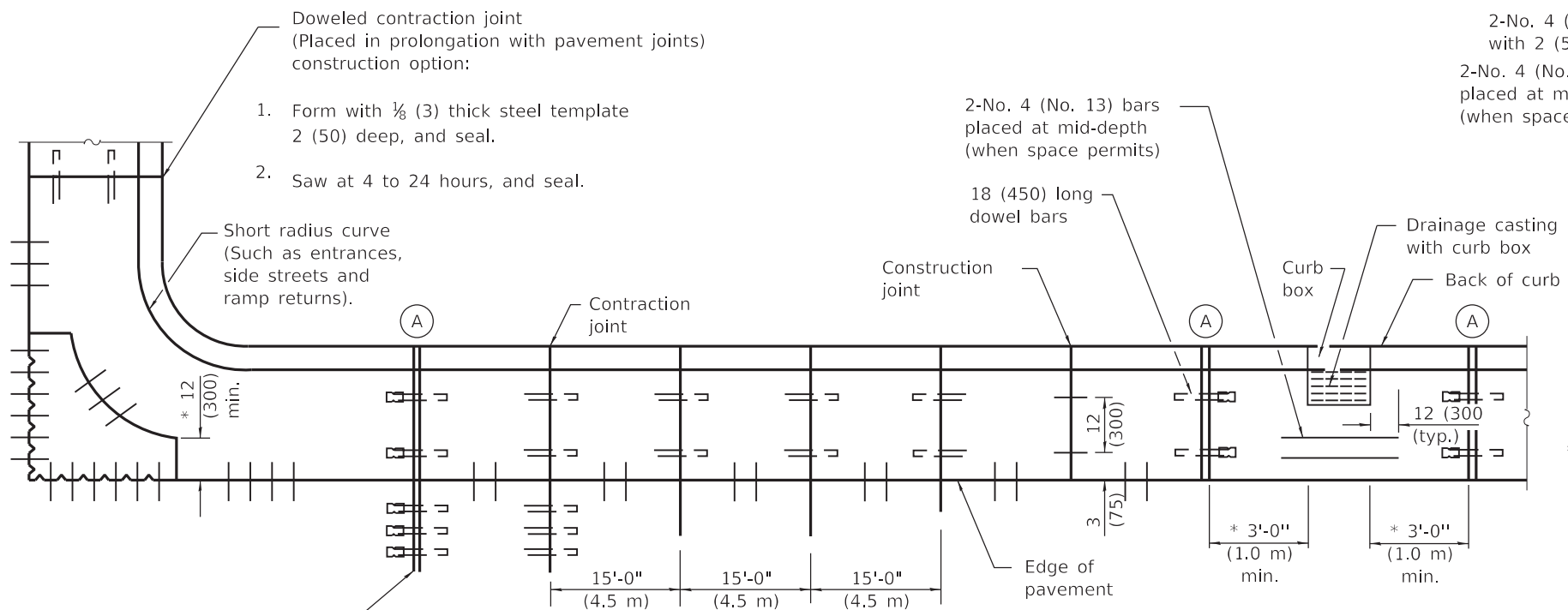
STANDARD 424031-01

Illinois Department of Transportation

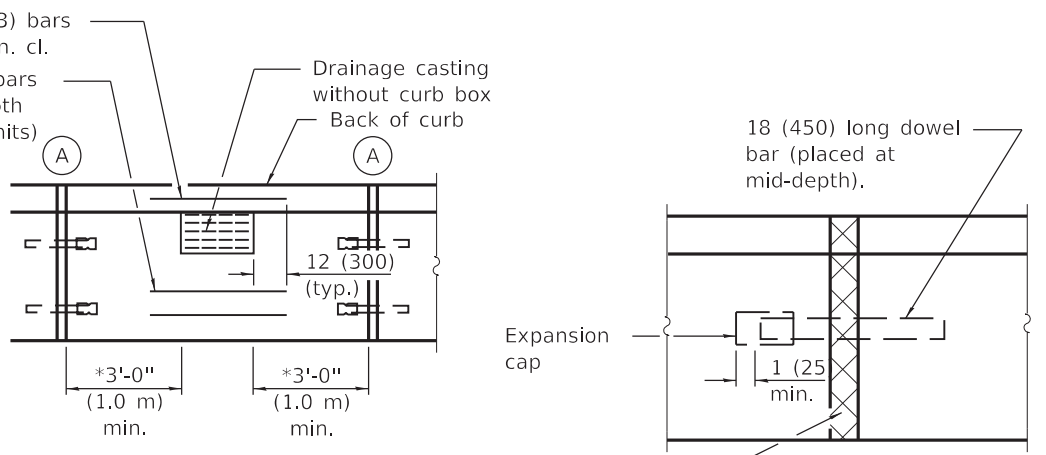
PASSED January 1, 2013
Michael Beard
 ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2013
[Signature]
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-12

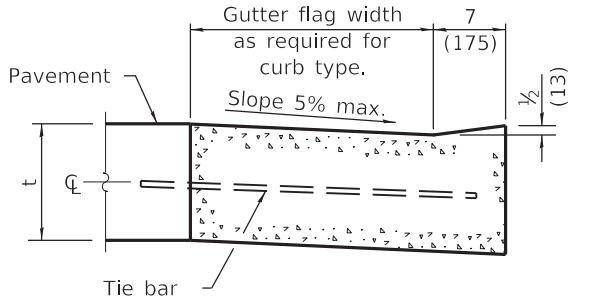


PLAN
ADJACENT TO PCC PAVEMENT OR PCC BASE COURSE

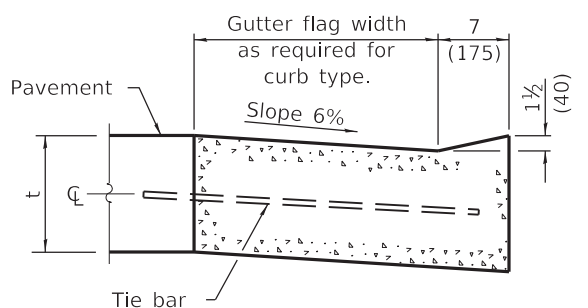


DETAIL A
EXPANSION JOINT

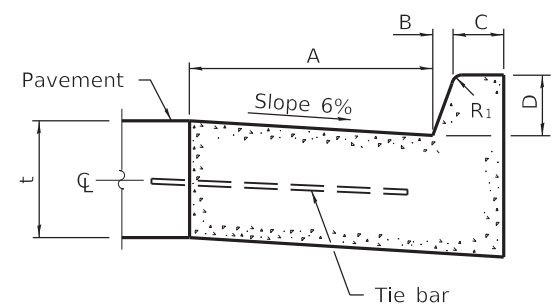
Full depth & width 1 (25) - thick (min.) preformed expansion joint filler.



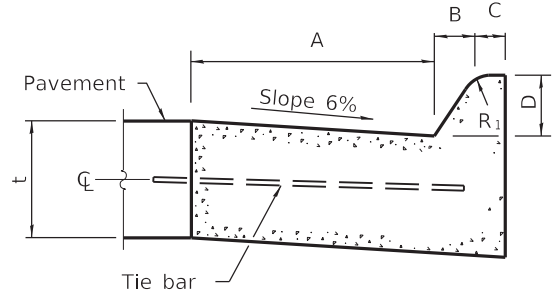
DEPRESSED CURB ADJACENT TO CURB RAMP ACCESSIBLE TO THE DISABLED



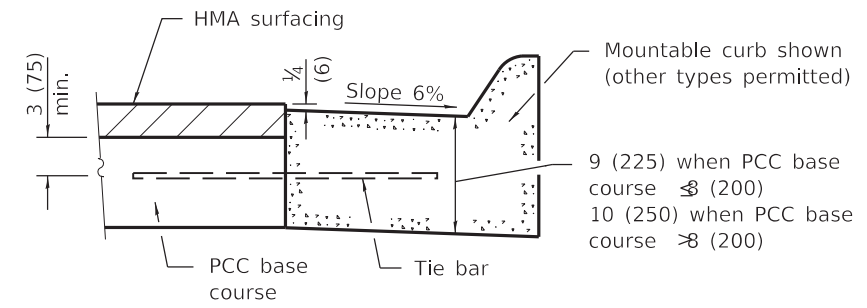
DEPRESSED CURB (TYPICAL)



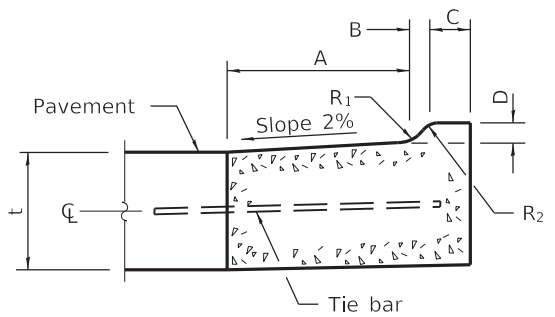
BARRIER CURB



MOUNTABLE CURB



ADJACENT TO PCC BASE COURSE WITH HMA SURFACING



M-2.06 (M-5.15) and M-2.12 (M-5.30)

TABLE OF DIMENSIONS BARRIER CURB					
TYPE	A	B	C	D	R ₁
B-6.06 *	6	1	6	6	1
(B-15.15)	(150)	(25)	(150)	(150)	(25)
B-6.12	12	1	6	6	1
(B-15.3)	(300)	(25)	(150)	(150)	(25)
B-6.18	18	1	6	6	1
(B-15.45)	(450)	(25)	(150)	(150)	(25)
B-6.24	24	1	6	6	1
(B-15.60)	(600)	(25)	(150)	(150)	(25)
B-9.12	12	2	5	9	1
(B-22.30)	(300)	(50)	(125)	(225)	(25)
B-9.18	18	2	5	9	1
(B-22.45)	(450)	(50)	(125)	(225)	(25)
B-9.24	24	2	5	9	1
(B-22.60)	(600)	(50)	(125)	(225)	(25)

* For corner islands only.

TABLE OF DIMENSIONS MOUNTABLE CURB						
TYPE	A	B	C	D	R ₁	R ₂
M-2.06	6	2	4	2	3	2
(M-5.15)	(150)	(50)	(100)	(50)	(75)	(50)
M-2.12	12	2	4	2	3	2
(M-5.30)	(300)	(50)	(100)	(50)	(75)	(50)
M-4.06	6	4	3	4	3	NA
(M-10.15)	(150)	(100)	(75)	(100)	(75)	NA
M-4.12	12	4	3	4	3	NA
(M-10.30)	(300)	(100)	(75)	(100)	(75)	NA
M-4.18	18	4	3	4	3	NA
(M-10.45)	(450)	(100)	(75)	(100)	(75)	NA
M-4.24	24	4	3	4	3	NA
(M-10.60)	(600)	(100)	(75)	(100)	(75)	NA
M-6.06	6	6	2	6	2	NA
(M-15.15)	(150)	(150)	(50)	(150)	(50)	NA
M-6.12	12	6	2	6	2	NA
(M-15.30)	(300)	(150)	(50)	(150)	(50)	NA
M-6.18	18	6	2	6	2	NA
(M-15.45)	(450)	(150)	(50)	(150)	(50)	NA
M-6.24	24	6	2	6	2	NA
(M-15.60)	(600)	(150)	(50)	(150)	(50)	NA

GENERAL NOTES

The bottom slope of combination curb and gutter constructed adjacent to pcc pavement shall be the same slope as the subbase or 6% when subbase is omitted.

t = Thickness of pavement.

Longitudinal joint tie bars shall be No. 6 (No. 19) at 36 (900) centers in accordance with details for longitudinal construction joint shown on Standard 420001.

A minimum clearance of 2 (50) between the end of the tie bar and the back of the curb shall be maintained.

The dowel bars shown in contraction joints will only be required for monolithic construction.

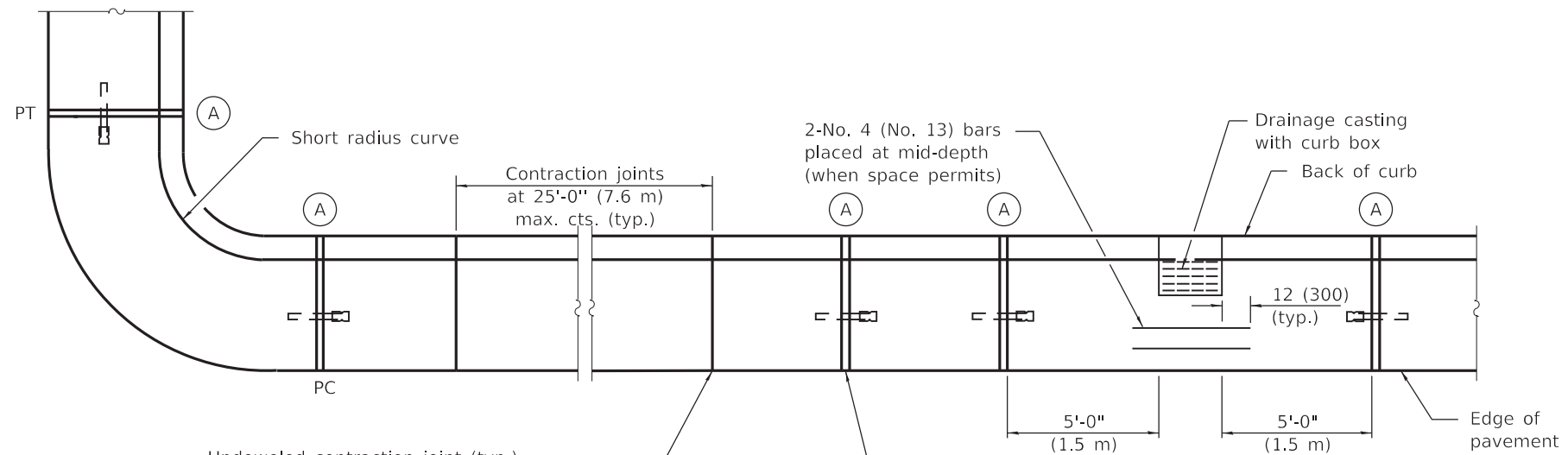
See Standard 606301 for details of corner islands.

All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-18	Revised General Note for tie bar spacing to 36 (900) cts.
1-1-15	Added B-6.06 (B-15.15) barrier curb and gutter to table (corner islands only).

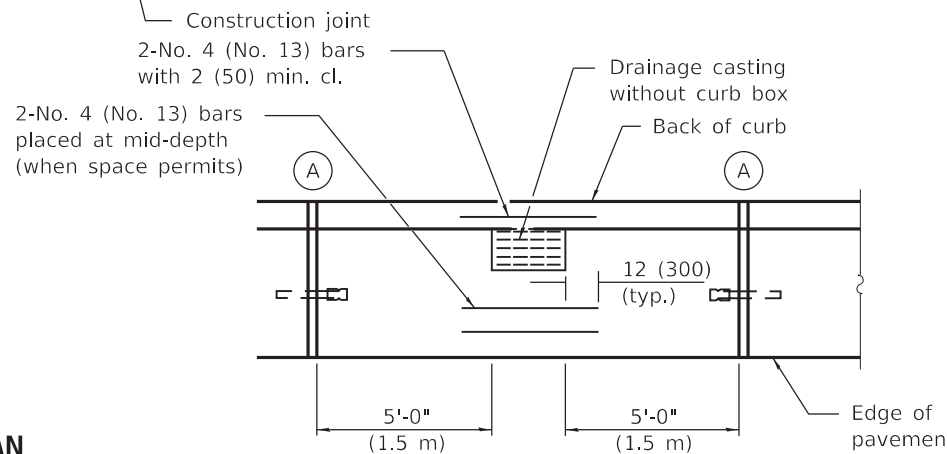
CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
(Sheet 1 of 2)
STANDARD 606001-07

Illinois Department of Transportation
PASSED January 1, 2018
Michael Brand
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2018
Maureen M. Adams
ENGINEER OF DESIGN AND ENVIRONMENT
ISSUED 1-1-97

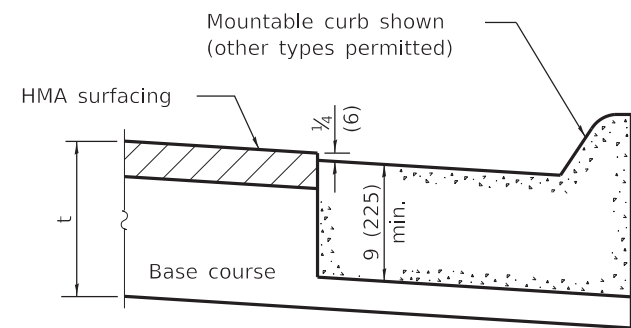


Undoweled contraction joint (typ.) construction options:

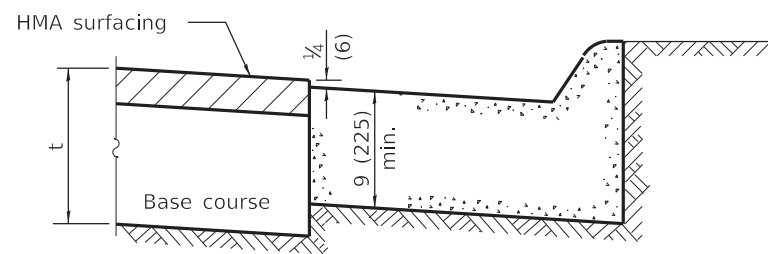
1. Form with 1/8 (3) thick steel template 2 (50) deep, and seal.
2. Saw 2 (50) deep at 4 to 24 hours, and seal.
3. Insert 3/4 (20) thick preformed joint filler full depth and width.



PLAN

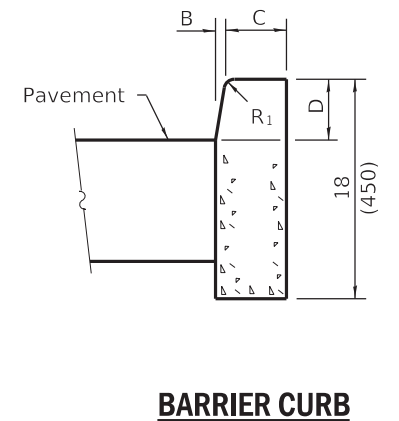
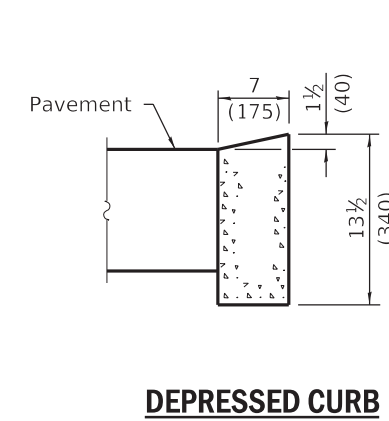


ON DISTURBED SUBGRADE

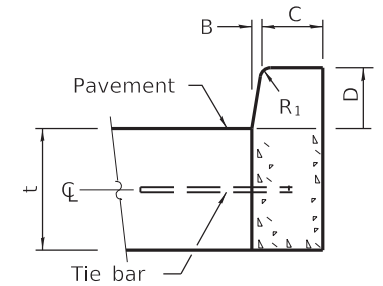
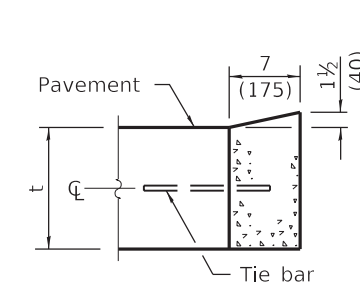


ON UNDISTURBED SUBGRADE

ADJACENT TO FLEXIBLE PAVEMENT



ADJACENT TO FLEXIBLE PAVEMENT



DEPRESSED CURB

BARRIER CURB

ADJACENT TO PCC PAVEMENT OR PCC BASE COURSE

CONCRETE CURB TYPE B

CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER

(Sheet 2 of 2)

STANDARD 606001-07

Illinois Department of Transportation

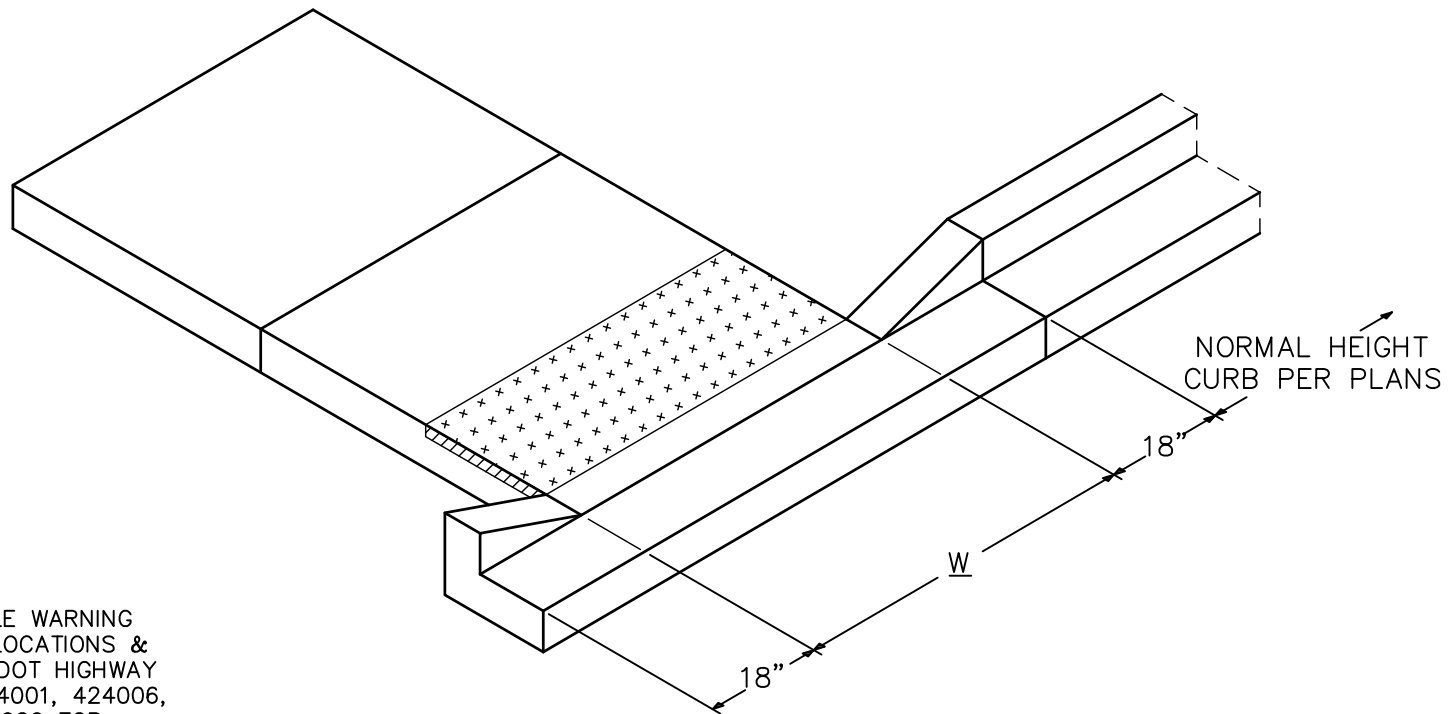
PASSED January 1, 2018
Michael Beard
 ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2018
Marcus M. Beck
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

EXHIBIT E

UNITED CITY OF YORKVILLE CURB RAMP DETAILS



NOTES:

1. PLACEMENT OF DETECTABLE WARNING TILES SHALL ADHERE TO LOCATIONS & SETBACKS AS SHOWN IN IDOT HIGHWAY STANDARDS INCLUDING 424001, 424006, 424016, 424021, AND 424026 FOR VARIOUS FIELD CONDITIONS. SIDEWALK RAMP WIDTH (W) AND LAYOUT SHALL BE ACCORDING TO THESE IDOT HIGHWAY STANDARDS, EXCEPT A SIDE CURB SHALL NOT BE CONSTRUCTED IN LANDSCAPED AREAS.
2. DETECTABLE WARNING TILES SHALL BE BRICK RED AND MANUFACTURED BY ADA SOLUTIONS, INC.
3. TILES SHALL BE INSTALLED PER MANUFACTURER INSTRUCTIONS.
4. THE COLORING AND STAMPING OF CONCRETE WILL NOT BE ALLOWED.

CURB HEAD TAPER AT PEDESTRIAN RAMPS FOR SIDEWALK IN LANDSCAPED AREAS				
Engineering Enterprises, Inc. 52 Wheeler Road Sugar Grove, Illinois 60554 Phone: (630) 466-9350	SCALE: N.T.S.	FOLDER: HC	DRAWING NUMBER: HC-17	DRAWN BY: KKP
	DATE: 10-2015	REVISED:		

EXHIBIT F

BUREAU OF LOCAL ROADS AND STREETS DESIGN STANDARDS

41-6 REQUIREMENTS FOR ACCESSIBLE PUBLIC RIGHTS-OF-WAY

41-6.01 General

Many highway elements can affect the accessibility and mobility of individuals with disabilities. These include sidewalks, curb ramps, parking spaces, buildings at transportation facilities, overpasses or underpasses, temporary traffic control, and landscaping or streetscaping. According to the *Americans with Disabilities Act (ADA)*, 42 U.S.C. §12181 - 12189 and the *Illinois Environmental Barriers Act*, 410 ILCS 25/1 *et seq*, public highway right-of-way shall be made accessible to all users. Local Public Agencies (LPAs) are required to perform a self-assessment to determine barriers to accessibility within the public highway right-of-way.

Currently, a national uniform design guideline for public highway right-of-way has not been adopted by the United States Department of Justice and Federal Highway Administration (FHWA). However, the *Proposed Accessibility Guidelines for Pedestrian Facilities in the Public Right-of-Way (PROWAG)* has been introduced by the United States Access Board through the federal rule-making process. Furthermore, FHWA has issued guidance that PROWAG may be used in order to comply with accessibility requirements. Therefore, the Department recommends that LPAs use the latest revision of PROWAG available at www.access-board.gov, when constructing or altering facilities within the highway public right-of-way.

Figure 41-6A provides a reference to criteria contained in PROWAG unless otherwise noted. The *ADA Standards for Accessible Designs (ADAAG)*, the *Illinois Accessibility Code (IAC)*, the *Uniform Federal Accessibility Standards (UFAS)*, the *ILMUTCD*, and the *American National Standards Institute (ANSI)* should also be consulted as needed. Where LPA policies or local codes require criteria that exceed PROWAG, then the local criteria should be used.

41-6.02 Equivalent Facilitation

The use of alternative designs, products, or technologies, that result in substantially equivalent or greater accessibility and usability than the requirements in PROWAG, is permitted. However, the LPA should document how the equivalent facilitation was determined.

41-6.03 Application

All newly constructed facilities, altered portions of existing facilities, and elements added to existing facilities for pedestrian circulation and use located in the public right-of-way shall comply with the requirements in this Section.

BUREAU OF LOCAL ROADS & STREETS
SPECIAL DESIGN ELEMENTS

41-6(2)

Oct 2013

Accessible Component	Scoping Requirements	Technical Requirements
Pedestrian Access Route (PAR)	R204	R302
Alternate PAR	R205	
Pedestrian Street Crossing	R206	R306
Curb Ramps and Blended Transitions	R207	R304
Detectable Warnings	R208	R305
Accessible Pedestrian Signals and Pedestrian Pushbuttons	R209	
Protruding Objects	R210	R402
Signs	R211	R410
Transit Stops and Transit Shelters	R213	R308
On-Street Parking	R214	R309
Off-Street Parking	ADAAG R208	ADAAG R502; IAC 400.310(c)
Passenger Loading Zones	R215	R310
Stairways and Escalators	R216	R408
Handrails	R217	R409
Doors, Doorways, and Gates	R218	
Ramps		R407

SCOPING AND TECHNICAL REQUIREMENTS

Figure 41-6A

41-6.04 Alterations

41-6.04(a) General

Where existing elements, spaces, or facilities are altered, each altered element, space, or facility within the scope of the project shall comply with the applicable requirements for new construction unless existing physical constraints exist. The alteration of multiple elements or spaces within a facility may provide a cost-effective opportunity to make the entire facility or a significant portion of the facility accessible.

Figure 41-6B provides a summary of some common alterations.

BUREAU OF LOCAL ROADS & STREETS
SPECIAL DESIGN ELEMENTS

Oct 2013

41-6(3)

Type of Work	Alteration Required
Resurfacing (includes, but not limited to, addition of a new layer of asphalt, reconstruction, concrete pavement rehabilitation and reconstruction, open-graded surface course, microsurfacing and thin lift overlays, cape seals, and in-place asphalt recycling)	Correct non-compliant curb ramps and crosswalks
Remove and Replace Sidewalk (sidewalk patch, relocate poles or posts, etc.)	Replace with compliant (includes transition to non-compliant)
Curb & Gutter Replacement	Install curb ramps if replaced curb and gutter is at a pedestrian crossing with adjacent sidewalk
Pedestrian Signal (signal controller and software altered, or signal head replaced)	Installed Accessible Pedestrian Signals and accessible pushbutton
Restriping Parking Markings	Provide accessible spaces

ALTERATION REQUIRED BY TYPE OF WORK

Figure 41-6B

41-6.04(b) Existing Physical Constraints.

Where existing physical constraints make it impracticable for altered elements, spaces, or facilities to fully comply with the requirements for new construction, compliance is required to the extent practicable within the scope of the project. Existing physical constraints include, but are not limited to, underlying terrain, right-of-way availability, underground structures, adjacent developed facilities, drainage, or the presence of a notable natural or historic feature.

The LPA should document the various options considered, reasons for selecting, and any public comments received concerning an alteration to the extent practicable. Furthermore, the facility shall continue to be listed as a barrier in the LPA's self-evaluation.

41-6.04(c) Transitional Segments.

Transitional segments of an altered PARs shall connect to existing unaltered segments of pedestrian circulation paths. The transitional segment shall be removed when the existing unaltered section is altered in the future.

41-6.04(d) Reduction in Access Prohibited.

An alteration shall not decrease or have the effect of decreasing the accessibility of a facility or an accessible connection to an adjacent building or site below the requirements for new construction in effect at the time of the alteration. Sidewalk improvements that correct existing excessive cross slope should be carefully planned to avoid creating excessive slope in curb ramps or adding a step at existing building entrances. Solutions may include:

1. Split sidewalks that serve building entrances and street or highway at separate levels;

2. Sidewalks with greater cross slope along the curb and PARs with lesser cross slope along building fronts;
3. PARs along the curb and ramped entrances to buildings.

41-6.04(e) Alterations to Qualified Historic Facilities.

Where the State Historic Preservation Officer or Advisory Council on Historic Preservation determines that compliance with a requirement would threaten or destroy historically significant features of a qualified historic facility, compliance shall be required to the extent that it does not threaten or destroy historically significant features of the facility.

Where there is a federal agency “undertaking”, as defined in 36 CFR 800.16 (y), the requirements in section 106 of the National Historic Preservation Act (16 U.S.C. 470f) and 36 CFR part 800 apply. Location of a facility within an historic district by itself does not excuse compliance with the requirements in this document. The State Historic Preservation Officer or Advisory Council on Historic Preservation must determine that compliance would threaten or destroy historically significant features of the facility. Reproductions or replications of historic facilities are not qualified historic facilities.

41-6.05 Pedestrian Access Route

A PAR shall be provided within sidewalks and other pedestrian circulation paths located in the public right-of-way. The pedestrian access route shall connect to accessible elements, spaces, facilities, and to other accessible routes not within the public right-of-way.

PARs shall consist of one or more of the following: sidewalks and other pedestrian circulation paths, or a portion of sidewalks and other pedestrian circulation paths; pedestrian street crossings and at-grade rail crossings; pedestrian overpasses and underpasses and similar structures; curb ramps and blended transitions; ramps; elevators and limited use/limited application elevators; platform lifts; and doors, doorways, and gates.

41-6.06 Alternate Pedestrian Access Route

When a pedestrian circulation path is temporarily closed by construction, alterations, maintenance operations, or other conditions, an alternate PAR shall be marked and/or provided. Any pedestrian barricades and channelizing devices shall comply with the *ILMUTCD*.

The *ILMUTCD* recommends that whenever possible, work should be done in a manner that does not create a need to detour pedestrians from existing pedestrian routes. Extra distance and additional pedestrian street crossings add complexity to a trip and increase exposure of risk to accidents.

41-6.07 Curb Ramps and Blended Transitions

A curb ramp, blended transition, or a combination of curb ramps and blended transitions shall be installed to allow pedestrians to continue through pedestrian street crossings, alleys, or driveways. The curb ramp (excluding any flared sides) or blended transition shall be contained wholly within the width of the crossing served. In alterations where existing physical constraints prevent a curb ramp at each crossing, a single diagonal curb ramp shall be permitted to serve both pedestrian street crossings.

There are two types of curb ramps:

- Perpendicular curb ramps have a running slope that cuts through or is built up to the curb at right angles, or meets the gutter break at right angles where the curb is curved. On large corner radiuses, it will be necessary to indent the gutter break on one side of the curb ramp in order for the curb ramp to meet the gutter break at right angles.
- Parallel curb ramps have a running slope that is in-line with the direction of sidewalk travel and lower the sidewalk to a level turning space where a turn is made to enter the pedestrian street crossing.
- Parallel and perpendicular curb ramps may be combined. A parallel curb ramp is used to lower the sidewalk to a mid-landing and a short perpendicular curb ramp connects the landing to the street.

Blended transitions are similar to curb ramps. However, blended transitions have a less severe running slope and some other differences from curb ramp design. Raised pedestrian street crossings are considered blended transitions. Blended transitions are suitable for a range of sidewalk conditions and should be considered at level intersections.

The Department has developed a series of highway standards that provide the requirements for curb ramp and/or blended transition construction. However, these standards may not provide the contractor and LPA construction supervisor with enough information to ensure accessibility compliance at locations with severe slopes, existing site constraints, or other unique situations. Therefore, the LPA should consider providing plan details for each corner where curb ramps or blended transitions are being constructed.

41-6.08 Detectable Warning Surfaces

41-6.08(a) General

Detectable warning surfaces indicate the boundary between pedestrian and vehicular routes where there is a flush rather than a curbed connection and shall be provided at the following locations on the PAR and at transit stops:

- Curb ramps and blended transitions at pedestrian street crossings;
- Pedestrian refuge islands (minimum width 6 ft);
- Pedestrian at-grade rail crossings not located within a street or highway;
- Boarding platforms at transit stops for buses and rail vehicles where the edges of the boarding platform are not protected by screens or guards; and

- Boarding and alighting areas at sidewalk or street level transit stops for rail vehicles where the side of the boarding and alighting areas facing the rail vehicles is not protected by screens or guards.

Detectable warning surfaces should not be provided at crossings of residential driveways, since the pedestrian right-of-way continues across residential driveway aprons. However, where commercial driveways are provided with yield or stop control, detectable warning surfaces should be provided at the junction between the pedestrian route and the vehicular route.

41-6.09 Pedestrian Street Crossing

All pedestrian street crossings shall be accessible to pedestrians with disabilities. Where pedestrian signals are provided at pedestrian street crossings, they should consider accessible pedestrian signals

41-6.10 Protruding Objects

Objects along or overhanging any portion of a pedestrian circulation path shall not reduce the clear width required for the PAR.

41-6.11 Signs

Where audible sign systems and other technologies are used to provide information equivalent to the information contained on pedestrian signs and transit signs, the signs are not required to comply with accessibility requirements.

Audible sign systems and other technologies that provide information equivalent to the information contained on signs are more usable by pedestrians who are blind or have low vision. Remote infrared audible signs that transmit information to portable devices that are carried by and audible only to the user are an example of audible sign systems and other technologies.

41-6.12 Transit Stops and Transit Shelters

Where provided (regardless of who provides), transit stops and transit shelters shall comply with accessibility requirements.

Transit stops in the public right-of-way typically serve fixed route bus systems, including bus rapid transit systems, and light rail transit systems. Signs that identify the routes served by the transit stop shall comply with the technical requirements for visual characters on signs unless audible sign systems or other technologies are used to provide the information. The FHWA has issued guidance on the obligations of state transportation departments, metropolitan planning organizations, and transit agencies to coordinate the planning and funding of accessibility improvements to transit systems and facilities.

41-6.13 On-Street Parking

41-6.13(a) General

Where on-street parking is provided on the block perimeter and the parking is marked or metered (including pay stations), accessible parking spaces shall be provided. Where parking pay stations are provided and the parking is not marked, each 20.0 ft (6.1 m) of block perimeter where parking is permitted shall be counted as one parking space. Figure 41-6C specifies how many accessible parking spaces shall be provided on the block perimeter where on-street parking is marked or metered.

Accessible parking spaces shall be identified by signs complying with the *ILMUTCD*. Accessible parking spaces should be located where the street has the least crown and grade and close to key destinations.

Total Number of Marked or Metered Parking Spaces on the Block Perimeter	Minimum Required Number of Accessible Parking Spaces
1 to 25	1
26 to 50	2
51 to 75	3
76 to 100	4
101 to 150	5
151 to 200	6
201 and over	4 percent of total

ON-STREET PARKING SPACES

Figure 41-6C

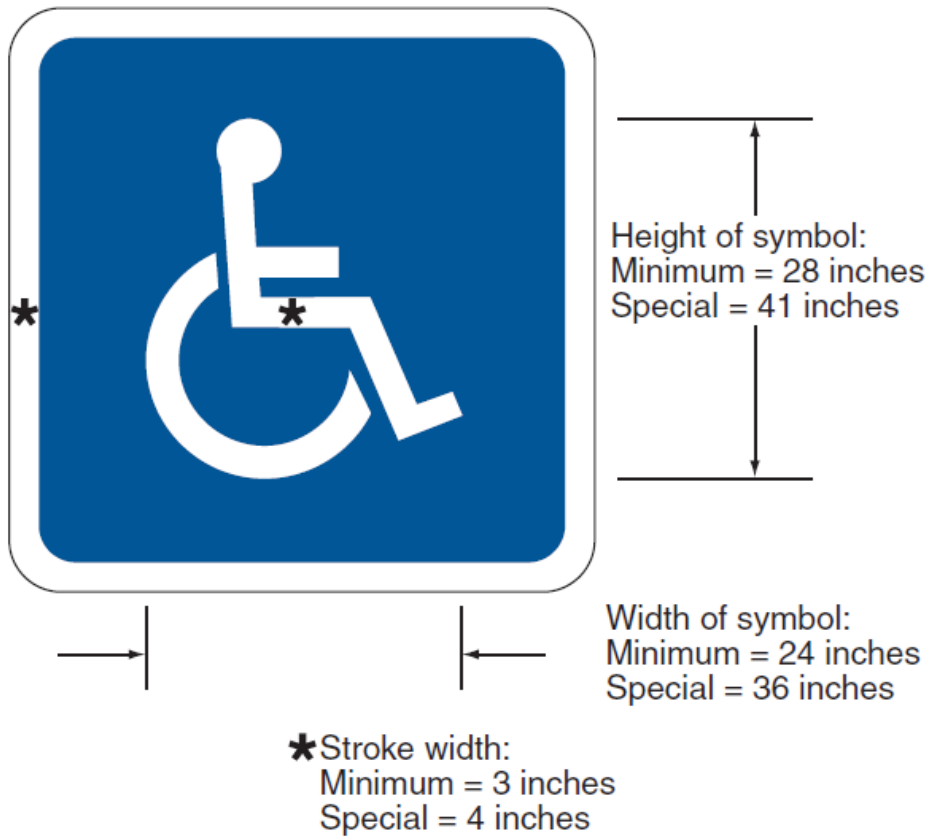
41-6.13(b) Signage

Accessible parking spaces shall be designated with a ground-mounted RESERVED PARKING for persons with disabilities (R7-8) sign with the \$____ FINE (R7-I101) supplemental plaque. The amount of the fine shall be as established by 625 ILCS 5/11-1301.3(c). Signs shall be 7 ft (2.0 m) minimum above the finish floor or ground surface measured to the bottom of the sign, and no more than 2 ft (0.6 m) horizontally from the face of curb. Signs shall be located at the head or foot of the parking space so as not to interfere with the operation of a side lift or a passenger side transfer.

41-6.13(c) Pavement Marking

1. Color. Accessible parking spaces and access aisles shall be designated with white pavement marking and may be supplemented with blue pavement markings.
2. Width. Pavement marking shall be 3 in (75 mm) to 6 in (150 mm) wide.

3. Access Aisle. When required, the access aisle shall be marked with 45 degree diagonal lines. The diagonal lines should be 3 in (75 mm) to 6 in (150 mm) wide and separated by gaps of 12 in (300 mm) to 36 in (900 mm). The gap between the lines should not exceed 6 times the width of the diagonal lines.
4. Symbol. The international symbol of accessibility should be used to provide additional emphasis. See Figure 41-6D.



Note: Blue background and white border are optional

INTERNATIONAL SYMBOL OF ACCESSIBILITY FOR PAVEMENT MARKING

Figure 41-6D

41-6.13(d) Dimensions

Where parking spaces are marked with lines, width measurements of parking spaces and access aisles shall be made from the centerline of the markings. The required size of parking spaces and access aisles shall be determine by the type of parking space.

41-6.13(e) Curb Ramps or Blended Transitions

Curb ramps or blended transitions complying with Section 41-6.07 shall connect the access aisle to the PAR. Curb ramps shall not be located within the access aisle. At parallel parking spaces, curb ramps and blended transitions should be located so that a van side-lift or ramp can be deployed to the sidewalk and the vehicle occupant can transfer to a wheelchair or scooter. Parking spaces at the end of the block face may be served by curb ramps or blended transitions at the pedestrian street crossing, provided that the curb ramp is not accessed from a travel lane.

Detectable warning surfaces are not required on curb ramps and blended transitions that connect the access aisle to the sidewalk, including where the sidewalk is at the same level as the parking spaces, unless the curb ramps and blended transitions also serve pedestrian street crossings.

41-6.14 Off-Street Parking

41-6.14(a) General

Accessible parking spaces for individuals with disabilities and accessible passenger loading zones that serve a particular building shall be the spaces or zones closest to the nearest accessible entrance on a PAR. In separate parking facilities that do not serve a particular building, locate parking spaces for individuals with disabilities on the shortest possible circulation route to an accessible pedestrian entrance of the parking facility. In buildings with multiple access entrances with adjacent parking, accessible parking spaces may be dispersed and located closest to the accessible entrances. The total number of accessible parking spaces may be distributed among parking facilities, if greater accessibility is achieved in consideration of such factors as anticipated usage, number and location of entrances and level parking areas. Figure 41-6E specifies how many accessible parking spaces shall be provided.

Each parking space shall have its own access aisle and all access aisles shall blend to a common level with an accessible route. Parking spaces and access aisles shall be level with surface slopes not exceeding 1:50 (2.0%) in all directions. Minimum vertical clearance of 98 in (2490 mm) at the parking space and along at least one vehicle access route to such spaces from site entrance(s) and exit(s) shall be provided.

BUREAU OF LOCAL ROADS & STREETS
SPECIAL DESIGN ELEMENTS

41-6(10)

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Total Number of Marked or Metered Parking Spaces on the Block Perimeter	Minimum Required Number of Accessible Parking Spaces
1 to 25	1
26 to 50	2
51 to 75	3
76 to 100	4
101 to 150	5
151 to 200	6
201 to 300	7
301 to 400	8
401 to 500	9
501 to 1000	2 percent of total
1001 and over	20, plus 1 for each 100, or fraction thereof, over 1000

OFF-STREET PARKING SPACES

Figure 41-6E

41-6.14(b) Signage

See Section 41-6.13(b).

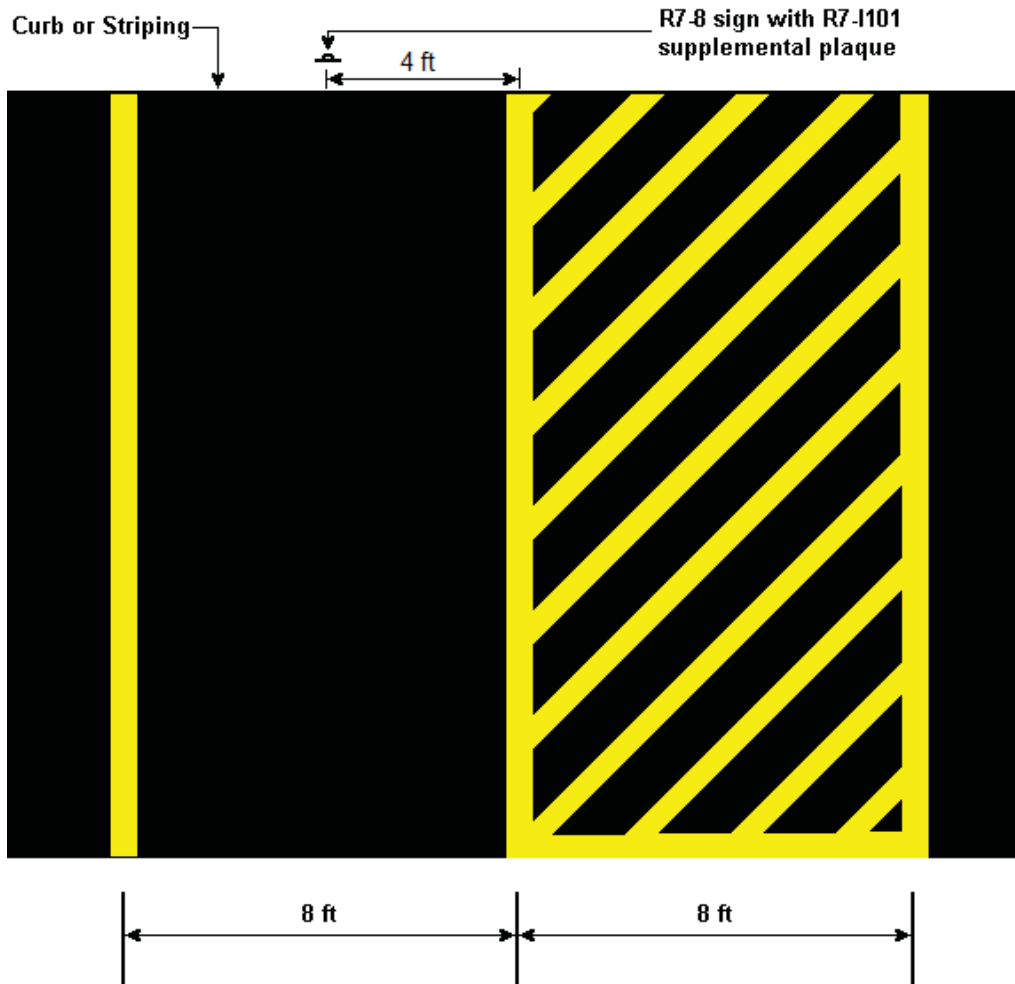
41-6.14(c) Pavement Marking

1. Color. Accessible parking spaces and access aisles shall be designated with yellow pavement marking.
2. Width. See Section 41-6.13(c).
3. Access Aisle. See Section 41-6.13(c).
4. Symbol. See Section 41-6.13(c).

41-6.14(d) Dimensions

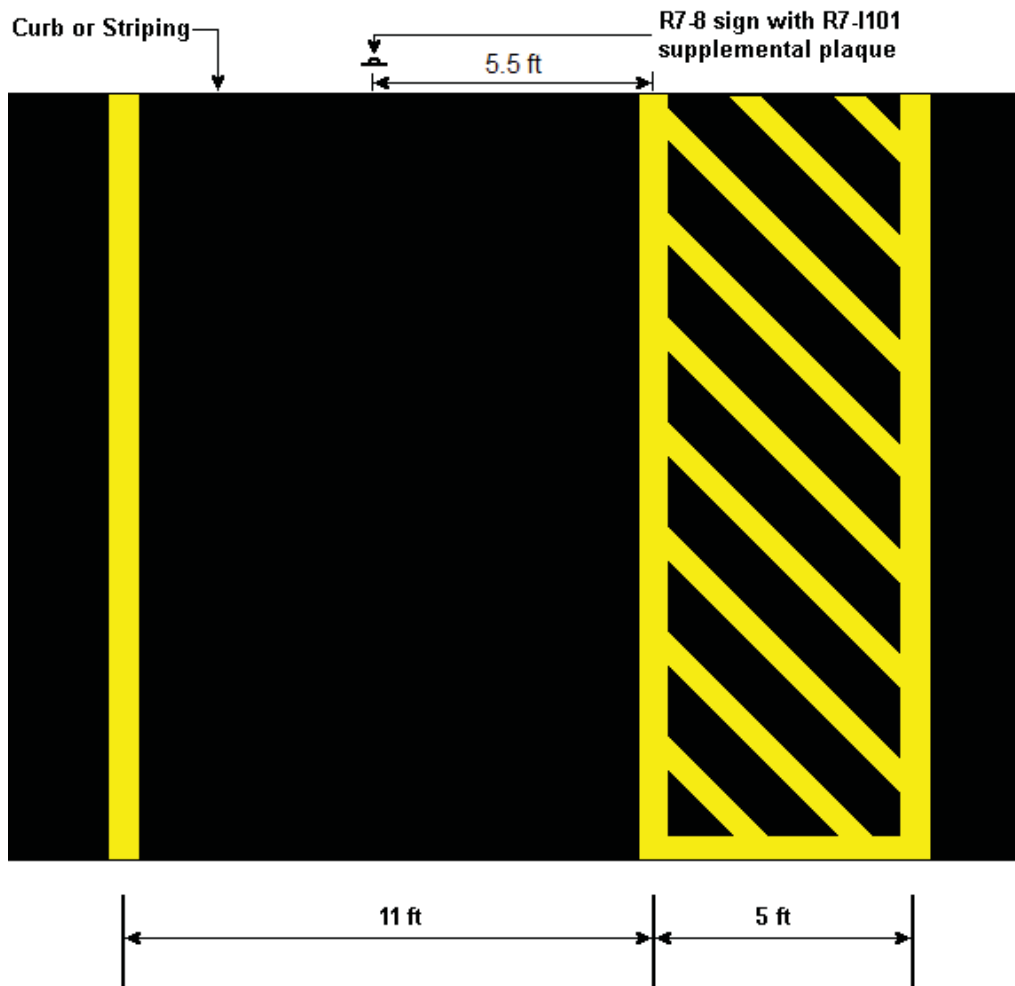
An accessible parking space shall consist of a 16 ft (4.9 m) wide parking space, which includes an 8 ft (2.4 m) wide access aisle (See Figure 41-6F). In the alternative, an accessible space may be 16 ft (4.9 m) wide, including a space 11 ft (3.4 m) wide with a 5 ft (1.5 m) access aisle (See Figure 41-6G).

A common access aisle shall not be shared between adjacent parking spaces. Access aisles shall be permitted to be placed on either side of the parking space except for angled parking spaces, which shall have access aisles located on the passenger side of the parking space.



STANDARD OFF-STREET ACCESSIBLE PARKING SPACES

Figure 41-6F



UNIVERSAL PARKING DESIGN OFF-STREET ACCESSIBLE PARKING SPACES

Figure 41-6G

41-6.15 Passenger Loading Zones

Where passenger loading zones other than transit stops are provided, at least one accessible passenger loading zone shall be provided for each 100.0 ft (30 m) of continuous loading zone space or fraction thereof. Accessible passenger loading zones must be identified by signs displaying the International Symbol of Accessibility.

41-6.16 Other

Where provided on pedestrian circulation paths, Stairways and Escalators (shall not be part of a PAR), Handrails, Doors, Doorways, and Gates; and Ramps shall comply with accessibility requirements.

EXHIBIT G

ANTICIPATED REPLACEMENT COSTS

FID	LOCATION Description	QUANTITY				UNIT PRICE			LOCATION TOTAL (\$)
		Delectable Warnings (SF)	Sidewalk Ramp (SF)	Sidewalk Landing (SF)	Curb & Gutter (FT)	Delectable Warnings (\$)	Sidewalk Replacement (\$)	Curb & Gutter (\$)	
1679	NW of S Main St. W	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
1680	Van Emmon St.	10	75		0				
1681	SW of S Main St. W	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
1682	Van Emmon St.	10	75		0				
1685	NE of S Main St. W	10	75	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
-	Van Emmon St.	0	0		0				
1704	NW of State St. W	10	75	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
-	Madison St.	0	0		0				
1706	SW of State St. W	10	75	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
-	Madison St.	0	0		0				
1707	NW of S Main St. W	10	75	75	12	\$ 30.00	\$ 8.00	\$ 50.00	\$2,100.00
-	Madison St.	0	0		0				
1708	SW of S Main St. W	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
1709	Madison St.	10	75		0				
1710	SE of S Main St. W	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
1711	Madison St.	10	75		0				
1713	NW of S Main St. W	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
1714	Ridge St.	10	75		0				
1715	SW of S Main St. W	10	75	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,800.00
1718	Ridge St.	10	75		0				
1716	SE of S Main St. W	10	75	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,800.00
1717	Ridge St.	10	75		0				
1719	NE of S Main St. W	10	75	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$900.00
-	Ridge St.	0	0		0				
1721	NW of State St. W	0	0	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$600.00
-	Ridge St.	0	0		0				
1722	SE of State St. W	0	0	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$600.00
-	Ridge St.	0	0		0				
1723	SW of State St. W	10	75	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$900.00
-	Ridge St.	0	0		0				
1725	NW of Adams St. W	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
1726	Ridge St.	10	75		0				
1728	SE of Morgan St. W	0	0	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$600.00
-	Ridge St.	0	0		0				
1729	SW of Morgan St.	0	0	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,900.00
1730	W Ridge St.	10	75		0				
1731	NW of Morgan St.	0	0	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,000.00
1732	W Ridge St.	0	0		0				
1733	NE of Morgan St. W	0	0	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$600.00
-	Ridge St.	0	0		0				
1734	NE of Morgan St. W	10	75	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
-	Fox St.	0	0		0				
1735	NW of State St. W	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
1740	Fox St.	10	75		0				
1736	NE of State St. W	10	75	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$900.00
-	Fox St.	0	0		0				
1737	SW of State St. W	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
1738	Fox St.	10	75		0				
1739	SE of State St. W	10	75	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$900.00
-	Fox St.	0	0		0				
1741	NW of S Main St. W	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$3,400.00
1742	Fox St.	10	75		12				
1743	NE of S Main St. W	10	75	0	12	\$ 30.00	\$ 8.00	\$ 50.00	\$3,000.00
1744	Fox St.	10	75		12				

FID	LOCATION Description	QUANTITY				UNIT PRICE			LOCATION TOTAL (\$)
		Delectable Warnings (SF)	Sidewalk Ramp (SF)	Sidewalk Landing (SF)	Curb & Gutter (FT)	Delectable Warnings (\$)	Sidewalk Replacement (\$)	Curb & Gutter (\$)	
1745	SE of S Main St. W	10	75	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,400.00
1746	Fox St.	10	75		12				
1747	SW of S Main St. W	10	75	0	12	\$ 30.00	\$ 8.00	\$ 50.00	\$2,400.00
1748	Fox St.	10	75		0				
1779	SE of S Main St. W	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
1784	Washington St.	10	75		0				
1780	NE of S Main St. W	10	75	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$900.00
-	Washington St.	0	0		0				
1781	NW of S Main St. W	10	75	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
-	Washington St.	0	0		0				
1782	SW of S Main St. W	10	75	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$900.00
1783	Washington St.	0	0		0				
1785	NE of State St. W	10	75	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$900.00
-	Washington St.	0	0		0				
1790	NW of State St. W	10	75	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$900.00
-	Washington St.	0	0		0				
4A	NW of S Main St. W	10	75	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$900.00
-	Orange St.	0	0		0				
1796	SW of S Main St. W	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,900.00
2269	Orange St.	0	0		0				
1797	SE of S Main St. W	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
1798	Orange St.	10	75		0				
1799	NE of S Main St. W	10	75	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$900.00
-	Orange St.	0	0		0				
1821	SW of Morgan St.	10	75	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
-	Blaine St.	0	0		0				
1823	NW of Adrian St.	0	0	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,500.00
1826	Blaine St.	10	75		12				
1824	SW of Adrian St.	0	0	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,500.00
1825	Blaine St.	10	75		12				
1827	NE of Adrian St.	10	75	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
-	Blaine St.	0	0		0				
1828	SE of State St.	10	75	75	12	\$ 30.00	\$ 8.00	\$ 50.00	\$2,100.00
-	Beecher St.	0	0		0				
1829	NE of State St.	10	75	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$900.00
-	Beecher St.	0	0		0				
1830	SW of Adrian St. W	0	0	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$600.00
-	Dolph St.	0	0		0				
1832	SW of State St. W	0	0	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$600.00
-	Dolph St.	0	0		0				
1835	NE of State St. W	0	0	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$600.00
-	Dolph St.	0	0		0				
1836	SW of S Main St. W	0	0	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,900.00
1837	Dolph St.	10	75		0				
1838	SE of S Main St. W	10	75	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
-	Dolph St.	0	0		0				
1839	NW of S Main St. W	10	75	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
-	Dolph St.	0	0		0				
1840	NW of S Main St.	0	0	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$600.00
-	Beecher St.	0	0		0				
1841	SW of S Main St.	10	75	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
-	Beecher St.	0	0		0				
1753	NW of Bell St. E Fox	10	75	75	12	\$ 30.00	\$ 8.00	\$ 50.00	\$2,100.00
-	St.	0	0		0				

FID	LOCATION Description	QUANTITY				UNIT PRICE			LOCATION TOTAL (\$)
		Delectable Warnings (SF)	Sidewalk Ramp (SF)	Sidewalk Landing (SF)	Curb & Gutter (FT)	Delectable Warnings (\$)	Sidewalk Replacement (\$)	Curb & Gutter (\$)	
1755	SW of Heustis St. E	10	75	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$900.00
1756	Fox St.	0	0	0	0				
1764	NE of Mill St. E	0	0	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$600.00
-	Washington St.	0	0	75	0				
1767	SW of Mill St. E	0	0	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$600.00
-	Washington St.	0	0	75	0				
1768	NE of Heustis St. E	0	0	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$900.00
1769	Washington St.	10	75	0	0				
1770	SE of Heustis St. E	10	75	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$900.00
2270	Washington St.	0	0	0	0				
1771	SW of Heustis St. E	0	0	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,900.00
1772	Washington St.	10	75	125	0				
1773	NW of Heustis St. E	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,900.00
1774	Washington St.	0	0	125	0				
1805	NW of Heustis St. E	0	0	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$0.00
-	Orange St.	0	0	0	0				
1806	SW of Heustis St. E	10	75	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$900.00
-	Orange St.	0	0	0	0				
1807	SE of Heustis St. E	10	75	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$900.00
-	Orange St.	0	0	0	0				
1810	SW of Mill St. E	0	0	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$600.00
-	Orange St.	0	0	75	0				
1813	NW of Mill St.	0	0	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$600.00
-	Schoolhouse Rd.	0	0	75	0				
1814	NW of Schoolhouse	0	0	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$600.00
-	Rd. Colonial Pkwy	0	0	75	0				
1815	SW of Schoolhouse	10	75	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$900.00
1816	Rd. Colonial Pkwy	0	0	0	0				
2045	SE of Candleberry	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$3,400.00
2046	Ln. Meadow Rose	10	75	125	0				
2047	NE of Candleberry	10	75	75	12	\$ 30.00	\$ 8.00	\$ 50.00	\$2,100.00
-	Ln. Meadow Rose	0	0	75	0				
2048	NE of Candleberry	10	75	75	12	\$ 30.00	\$ 8.00	\$ 50.00	\$2,100.00
-	Ln. Candleberry Ct.	0	0	75	0				
2049	NW of Candleberry	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
2050	Ln. Candleberry Ct.	10	75	125	12				
2051	SW of Candleberry	10	75	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$900.00
-	Ln. Candleberry Ct.	0	0	0	0				
2052	SW of Crooked	0	0	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,600.00
2053	Creek Dr. Trillium	0	0	125	12				
2054	NW of Crooked	0	0	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$600.00
-	Creek Dr. Trillium	0	0	75	0				
2055	SE of Crooked	10	75	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
-	Creek Dr. Trillium	0	0	75	0				
1883	NE of Wood Sage	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$3,400.00
1886	Rd. Cornerstone Dr.	10	75	125	12				
1884	NW of Wood Sage	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
1885	Rd. Cornerstone Dr.	10	75	125	12				
1887	SW of Wood Sage	10	75	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$900.00
-	Rd. Cornerstone Dr.	0	0	0	0				
1888	SE of Wood Sage	10	75	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
-	Rd. Cornerstone Dr.	0	0	75	0				
1889	NW of Cornerstone	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
1890	Dr. Westwind Dr.	10	75	125	12				

FID	LOCATION Description	QUANTITY				UNIT PRICE			LOCATION TOTAL (\$)
		Dectetable Warnings (SF)	Sidewalk Ramp (SF)	Sidewalk Landing (SF)	Curb & Gutter (FT)	Dectetable Warnings (\$)	Sidewalk Replacement (\$)	Curb & Gutter (\$)	
1891	NE of Cornerstone	10	75		12				
-	Dr. Westwind Dr.	0	0	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,100.00
1892	SE of Cornerstone	10	75		0				
-	Dr. Westwind Dr.	0	0	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
1893		10	75		12				
-	SE of Westwind Dr.	0	0	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,100.00
2228	W of Fairfax Way	10	75		0				
2229	Sutton St.	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
2230	S of Fairfax Way	10	75		0				
2231	Sutton St.	10	75	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,800.00
2232	E of Fairfax Way	10	75		12				
2233	Sutton St.	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
2278	N of Fairfax Way	10	75		12				
2279	Sutton St.	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
2280	of Waverly Cir.	10	75		12				
-	Sutton St.	0	0	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,100.00
2281	of Waverly Cir.	10	75		12				
-	Sutton St.	0	0	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,100.00
2238	N of Windett Ridge	10	75		12				
-	Rd. Kentshire Dr.	0	0	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,100.00
2239	W of Windett Ridge	10	75		12				
2240	Rd. Kentshire Dr.	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
2241	NE of Wilton Ct.	10	75		0				
2242	Kentshire Dr.	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$3,400.00
2243	S of Caulfield Pt.	10	75		12				
2244	Kentshire Dr.	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
2245	W of Caulfield Pt.	10	75		0				
-	Kentshire Dr.	0	0	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
2271	E of Caulfield Pt.	10	75		12				
2272	Kentshire Dr.	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
2273	N of Caulfield Pt.	10	75		12				
-	Kentshire Dr.	0	0	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,100.00
2265	E of Fitzhugh Turn	10	75		12				
-	Windett Ridge Rd.	0	0	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,100.00
2266	N of Fitzhugh Turn	10	75		0				
-	Windett Ridge Rd.	0	0	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
2274	of Fitzhugh Turn	10	75		0				
2275	Windett Ridge Rd.	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
2276	of Fitzhugh Turn	10	75		12				
2277	Windett Ridge Rd.	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
2115	SW of Country Hills	10	75		12				
-	Dr. South of	0	0	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
2143	SW of Goldfinch	10	75		0				
-	Ave. Hawk Hollow	0	0	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
2144	SE of Goldfinch Ave.	10	75		12				
2145	Hawk Hollow Dr.	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$3,400.00
2201		10	75		0				
-	W of Hartfield Ave.	0	0	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$900.00
2202		10	75		0				
-	E of Hartfield Ave.	0	0	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$900.00
2203	W of Hearthstone	10	75		0				
-	Ave.	0	0	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$900.00
2204	E of Hearthstone	10	75		0				
-	Ave.	0	0	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$900.00

FID	LOCATION Description	QUANTITY				UNIT PRICE			LOCATION TOTAL (\$)
		Delectable Warnings (SF)	Sidewalk Ramp (SF)	Sidewalk Landing (SF)	Curb & Gutter (FT)	Delectable Warnings (\$)	Sidewalk Replacement (\$)	Curb & Gutter (\$)	
2217	SE of Windett Ridge	10	75	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
-	Rd. Drayton Ct.	0	0		0				
2282	SW of Windett	10	75	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
-	Ridge Rd. Drayton	0	0		0				
2222	S of Windett Ridge	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
2223	Rd. Sutton St.	10	75		12				
2256	SW of Windett	10	75	75	12	\$ 30.00	\$ 8.00	\$ 50.00	\$2,100.00
-	Ridge Rd.	0	0		0				
2260	SW of Windett	10	75	75	12	\$ 30.00	\$ 8.00	\$ 50.00	\$2,100.00
-	Ridge Rd. Wythe Pl	0	0		0				
948	N of Clearwater Dr.	10	75	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
-		0	0		0				
2285	SW of East Spring	10	75	75	12	\$ 30.00	\$ 8.00	\$ 50.00	\$2,100.00
-	Street Clearwater	0	0		0				
953	SE of East Spring	10	75	75	12	\$ 30.00	\$ 8.00	\$ 50.00	\$2,100.00
-	Street Clearwater	0	0		0				
956	NE of East Spring	10	75	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
-	Street Deerpath Dr.	0	0		0				
957	SW of East Spring	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
962	Street Deerpath Dr.	10	75		0				
958	NW of East Spring	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
959	Street Deerpath Dr.	10	75		12				
2286	of East Spring	10	75	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
-	Street	0	0		0				
1030	E of Taus Cir Blue	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
1031	Jay Rd.	10	75		0				
972	NE of Birchwood	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
973	Rd. East Spring	10	75		0				
985	NE of East Spring	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
986	Street Auburn Dr.	10	75		0				
987	SE of East Spring	10	75	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
-	Street Auburn Dr.	0	0		0				
988	SW of East Spring	10	75	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
-	Street Auburn Dr.	0	0		0				
989	NW of East Spring	10	75	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,400.00
990	Street Auburn Dr.	10	75		12				
991	SW of East Spring	10	75	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
-	Street Omaha Dr.	0	0		0				
992	NW of East Spring	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
993	Street Omaha Dr.	10	75		0				
994	NE of East Spring	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
995	Street Omaha Dr.	10	75		0				
1002	SE of Ohama Dr.	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
1003	Grace Dr.	10	75		0				
1004	NE of Ohama Dr.	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
1005	Grace Dr.	10	75		12				
1006	NW of Ohama Dr.	10	75	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
-	Grace Dr.	0	0		0				
1007	SW of Ohama Dr.	10	75	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
-	Grace Dr.	0	0		0				
935	NW of Clearwater	10	75	75	12	\$ 30.00	\$ 8.00	\$ 50.00	\$2,100.00
-	Dr. Kate Dr.	0	0		0				
936	SW of Clearwater	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
937	Dr. Kate Dr.	10	75		12				

FID	LOCATION Description	QUANTITY				UNIT PRICE			LOCATION TOTAL (\$)
		Delectable Warnings (SF)	Sidewalk Ramp (SF)	Sidewalk Landing (SF)	Curb & Gutter (FT)	Delectable Warnings (\$)	Sidewalk Replacement (\$)	Curb & Gutter (\$)	
938	SE of Clearwater Dr.	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$3,400.00
939	Kate Dr.	10	75		0				
940	NE of Clearwater	10	75	0	12	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
-	Dr. Kate Dr.	0	0		0				
2283	of Ohama Dr. Kate	10	75	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$900.00
-	Dr.	0	0		0				
2284	of Ohama Dr. Kate	10	75	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$900.00
-	Dr.	0	0		0				
1010	SE of Ohama Dr.	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$3,400.00
1011	Kate Dr.	10	75		12				
1012	NE of Ohama Dr.	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$3,400.00
1013	Kate Dr.	10	75		12				
1536	NE of E Somonauk	0	0	0	12	\$ 30.00	\$ 8.00	\$ 50.00	\$1,200.00
1537	St. Liberty St.	0	0		12				
1538	NW of E Somonauk	0	0	0	12	\$ 30.00	\$ 8.00	\$ 50.00	\$600.00
-	St. Liberty St.	0	0		0				
1539	SE of E Somonauk	0	0	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,900.00
1540	St. Liberty St.	10	75		0				
1541	SW of E Somonauk	10	75	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
-	St. Liberty St.	0	0		0				
1542	NE of E Somonauk	0	0	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,000.00
1543	St. Bristol Ave.	0	0		0				
1544	NW of E Somonauk	0	0	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,000.00
2290	St. Bristol Ave.	0	0		0				
2291	SW of E Somonauk	10	75	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
-	St. Bristol Ave.	0	0		0				
1546	SW of E Somonauk	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
1547	St. Colton St.	10	75		12				
1504	NE of McHugh Rd	10	75	75	12	\$ 30.00	\$ 8.00	\$ 50.00	\$2,100.00
-	Martin Ave.	0	0		0				
1508	NE of Freemont St.	0	0	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$1,600.00
2288	Elm St.	0	0		0				
1510	SW of Freemont St.	0	0	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$600.00
-	Elm St.	0	0		0				
1511	SE of Freemont St.	0	0	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,000.00
2289	Elm St.	0	0		0				
1528	NW of Freemont St.	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$2,500.00
1529	E Somonauk St.	0	0		0				
1530	SW of Freemont St.	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
1531	E Somonauk St.	10	75		0				
1532	SE of Freemont St.	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$3,400.00
1533	E Somonauk St.	10	75		0				
1534	NE of Freemont St.	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
1535	E Somonauk St.	10	75		0				
1562	NW of Freemont St.	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,900.00
1563	E Spring St.	0	0		0				
1564	SW of Freemont St.	0	0	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,000.00
1565	E Spring St.	0	0		0				
1566	SE of Freemont St.	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
1567	E Spring St.	10	75		0				
1568	NE of Freemont St.	10	75	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$900.00
2287	E Spring St.	0	0		0				
1520	SW of McHugh Rd.	10	75	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
-	E Park St.	0	0		0				

FID	LOCATION Description	QUANTITY				UNIT PRICE			LOCATION TOTAL (\$)
		Delectable Warnings (SF)	Sidewalk Ramp (SF)	Sidewalk Landing (SF)	Curb & Gutter (FT)	Delectable Warnings (\$)	Sidewalk Replacement (\$)	Curb & Gutter (\$)	
1521	NW of McHugh Rd.	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
1522	E Somonauk St.	10	75		0				
1523	SW of McHugh Rd.	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$3,400.00
1524	E Somonauk St.	10	75		0				
853	NE of Freemont St.	10	75	75	12	\$ 30.00	\$ 8.00	\$ 50.00	\$2,100.00
-	Walnut St.	0	0		0				
854	NW of Freemont St.	10	75	75	12	\$ 30.00	\$ 8.00	\$ 50.00	\$2,100.00
-	Walnut St.	0	0		0				
855	SW of Freemont St.	0	0	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,000.00
856	Walnut St.	0	0		0				
857	SE of Freemont St.	10	75	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$900.00
858	Walnut St.	0	0		0				
1497	NE of Bristol Ave	0	0	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$600.00
-	Jackson St.	0	0		0				
1499	NW of Freemont St.	0	0	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$600.00
-	Jackson St.	0	0		0				
1501	SE of Freemont St.	0	0	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,000.00
1502	Jackson St.	0	0		0				
1569	NW of McHugh Rd.	10	75	0	12	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
-	E Spring St.	0	0		0				
1572	SE of McHugh Rd. E	10	75	75	12	\$ 30.00	\$ 8.00	\$ 50.00	\$2,100.00
-	Spring St.	0	0		0				
1638	NW of McHugh Rd.	10	75	75	12	\$ 30.00	\$ 8.00	\$ 50.00	\$2,100.00
-	E Main St.	0	0		0				
1644	SE of Bruell St. E	0	0	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$600.00
2292	Main St.	0	0		12				
2293	of W CountrySide	10	75	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
-	Pkwy W Kendall Dr.	0	0		0				
759	W of W	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,900.00
760	CountrySide Pkwy	0	0		0				
761	S of W CountrySide	0	0	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$600.00
-	Pkwy W Kendall Dr.	0	0		0				
2294	of Powers Ct. W	0	0	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$600.00
-	Kendall Dr.	0	0		0				
2295	of Powers Ct. W	0	0	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$600.00
-	Kendall Dr.	0	0		0				
766	SW of Center Pkwy	0	0	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$600.00
-	W Kendall Dr.	0	0		0				
705	EE of Goodwill PL E	10	75	75	12	\$ 30.00	\$ 8.00	\$ 50.00	\$2,100.00
-	Countryside Pkwy	0	0		0				
706	EW of Goodwill PL	10	75	75	12	\$ 30.00	\$ 8.00	\$ 50.00	\$2,100.00
-	E Countryside Pkwy	0	0		0				
707	WE of Goodwill PL	10	75	75	12	\$ 30.00	\$ 8.00	\$ 50.00	\$2,100.00
-	E Countryside Pkwy	0	0		0				
708	WW of Goodwill PL	10	75	75	12	\$ 30.00	\$ 8.00	\$ 50.00	\$2,100.00
-	E Countryside Pkwy	0	0		0				
1343	SW of Game Farm	10	75	75	12	\$ 30.00	\$ 8.00	\$ 50.00	\$2,100.00
-	Rd. W Somonauk	0	0		0				
1345	SW of West St. W	10	75	75	12	\$ 30.00	\$ 8.00	\$ 50.00	\$2,100.00
-	Somonauk St.	0	0		0				
1346	SE of West St. W	10	75	75	12	\$ 30.00	\$ 8.00	\$ 50.00	\$2,100.00
-	Somonauk St.	0	0		0				
1347	SW of King St. W	10	75	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
-	Somonauk St.	0	0		0				

FID	LOCATION Description	QUANTITY				UNIT PRICE			LOCATION TOTAL (\$)
		Dectetable Warnings (SF)	Sidewalk Ramp (SF)	Sidewalk Landing (SF)	Curb & Gutter (FT)	Dectetable Warnings (\$)	Sidewalk Replacement (\$)	Curb & Gutter (\$)	
1348	NE of King St. W	10	75		0				
-	Somonauk St.	0	0	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
1349	SE of King St. W	0	0		0				
1350	Somonauk St.	0	0	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,000.00
1489	NE of Church St. W	10	75		0				
-	Somonauk St.	0	0	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
1605	SW of Church St. W	0	0		12				
1607	Somonauk St.	0	0	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,600.00
1291	NW of	10	75		12				
-	Independence St.	0	0	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
1292	SW of	10	75		12				
1293	Independence St.	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$3,400.00
2296	of Independence	10	75		0				
-	St. John St.	0	0	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$900.00
1513	NE of Freemont St.	0	0		12				
1514	Park St.	0	0	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$2,200.00
1515	SE of Freemont St.	10	75		12				
1516	Park St.	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
1517	SW of Freemont St.	10	75		12				
1518	Park St.	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$3,400.00
1578	NE of West St. W	10	75		0				
-	Center St.	0	0	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
1579	SE of West St. W	10	75		0				
-	Center St.	0	0	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
1590	SE of Church St. W	10	75		0				
1591	Center St.	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
1592	SW of Church St. W	10	75		0				
1593	Center St.	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$3,400.00
1609	NW of King St. W	10	75		0				
1610	Main St.	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
1611	NE of King St. W	10	75		0				
-	Main St.	0	0	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$900.00
2298	SE of King St. W	10	75		0				
1612	Main St.	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
1615	NE of Church St. W	10	75		0				
1616	Main St.	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
1618	SW of Church St. W	10	75		0				
2297	Main St.	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
1283	NW of Cannonball	10	75		12				
1284	Trl John St.	0	0	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
1285	SW of Cannonball	0	0		0				
1286	Trl John St.	0	0	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,000.00
1294	NE of Cannonball	10	75		0				
1295	Trl Independence	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$3,400.00
1296	SE of Cannonball Trl	0	0		0				
1297	Independence Blvd.	0	0	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,000.00
1298	SW of Cannonball	0	0		0				
1299	Trl Independence	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,900.00
1300	NW of Cannonball	10	75		0				
1301	Trl Independence	0	0	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$900.00
2299	of Cannonball Trl S	10	75		0				
2300	Carly Cir	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
2301	of Cannonball Trl S	10	75		0				
-	Carly Cir	0	0	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00

FID	LOCATION Description	QUANTITY				UNIT PRICE			LOCATION TOTAL (\$)
		Delectable Warnings (SF)	Sidewalk Ramp (SF)	Sidewalk Landing (SF)	Curb & Gutter (FT)	Delectable Warnings (\$)	Sidewalk Replacement (\$)	Curb & Gutter (\$)	
2302	of Cannonball Trl S	10	75		0				
-	Carly Cir	0	0	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
2306	of Cannonball Trl	10	75		12				
2303	Purcell St.	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
2304	of Cannonball Trl	10	75		0				
-	Purcell St.	0	0	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
2305	of Cannonball Trl	10	75		0				
-	Purcell St.	0	0	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$900.00
1314	N of Cannonball Trl	10	75		0				
1315	Purcell St.	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
1316	NW of Carly Dr.	10	75		0				
1317	Carly Ct.	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
1318	SW of Carly Dr.	10	75		12				
1319	Carly Ct.	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$3,400.00
1320	SE of Carly Dr. Carly	10	75		0				
-	Ct.	0	0	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
1321	NE of Carly Dr. Carly	10	75		0				
-	Ct.	0	0	75	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
1306	NE of Cannonball	10	75		0				
1307	Trl Cody Ct.	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$3,400.00
1308	N of Cannonball Trl	10	75		12				
1309	Carly Dr.	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$3,400.00
1310	E of Cannonball Trl	10	75		12				
1311	Carly Dr.	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
1312	S of Cannonball Trl	10	75		12				
1313	Carly Dr.	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
1683	SE of S Main St. W	10	25		20				
-	Van Emmon St.	0	0	150	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,700.00
1684	SE of S Main St. W	10	25		20				
-	Van Emmon St.	0	0	150	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,700.00
1705	NE of State St. W	10	25		20				
-	Madison St.	0	0	150	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,700.00
1795	SE of State St. W	10	25		0				
-	Orange St.	0	0	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$500.00
1820	NW of Morgan St.	10	25		0				
-	Blaine St.	0	0	150	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,700.00
1822	NE of Morgan St.	10	25		0				
-	Blaine St.	0	0	150	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,700.00
1754	NW of Heustis St. E	10	25		20				
-	Fox St.	0	0	150	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,700.00
1758	NE of Heustis St. E	10	25		20				
-	Fox St.	0	0	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
1808	NE of Heustis St. E	10	25		0				
-	Orange St.	0	0	150	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,700.00
1811	NE of Mill St. Illini	10	25		0				
-	Dr.	0	0	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$500.00
1812	SE of Mill St. Illini	10	25		0				
-	Dr.	0	0	150	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,700.00
1503	NW of McHugh Rd.	10	25		0				
-	Jackson St.	0	0	150	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,700.00
1505	SW of McHugh Rd.	10	25		0				
-	Jackson St.	0	0	150	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,700.00
1506	NW of McHugh Rd.	10	25		0				
-	Elm St.	0	0	150	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,700.00

FID	LOCATION Description	QUANTITY				UNIT PRICE			LOCATION TOTAL (\$)
		Dectetable Warnings (SF)	Sidewalk Ramp (SF)	Sidewalk Landing (SF)	Curb & Gutter (FT)	Dectetable Warnings (\$)	Sidewalk Replacement (\$)	Curb & Gutter (\$)	
1507	SW of McHugh Rd.	10	25	150	20	\$ 30.00	\$ 8.00	\$ 50.00	\$2,700.00
-	Elm St.	0	0		0				
1519	NW of McHugh Rd.	10	25	150	20	\$ 30.00	\$ 8.00	\$ 50.00	\$2,700.00
-	E Park St.	0	0		0				
1500	NE of Freemont St.	10	25	150	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,700.00
-	Jackson St.	0	0		0				
1570	SW of McHugh Rd.	10	25	150	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,700.00
-	E Spring St.	0	0		0				
1576	SE of Bruell St. E	10	25	150	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,700.00
-	Spring St.	0	0		0				
1639	NE of McHugh Rd. E	10	25	150	20	\$ 30.00	\$ 8.00	\$ 50.00	\$2,700.00
-	Main St.	0	0		0				
1643	NE of Bruell St. E	0	0	150	20	\$ 30.00	\$ 8.00	\$ 50.00	\$2,200.00
-	Main St.	0	0		0				
1645	NW of Oakwood St.	10	25	0	20	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
-	E Main St.	0	0		0				
1646	SW of Oakwood St.	10	25	150	20	\$ 30.00	\$ 8.00	\$ 50.00	\$2,700.00
-	E Main St.	0	0		0				
1647	SE of Oakwood St. E	10	25	150	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,700.00
-	Main St.	0	0		0				
1648	NE of Oakwood St.	0	0	0	20	\$ 30.00	\$ 8.00	\$ 50.00	\$1,000.00
-	E Main St.	0	0		0				
1649	NW of Johnson St. E	10	25	150	20	\$ 30.00	\$ 8.00	\$ 50.00	\$2,700.00
-	Main St.	0	0		0				
1651	SE of Oakwood St.	10	25	150	20	\$ 30.00	\$ 8.00	\$ 50.00	\$2,700.00
-	Behrens St.	0	0		0				
1322	SE of Game Farm	10	25	150	20	\$ 30.00	\$ 8.00	\$ 50.00	\$2,700.00
-	Rd. W Veterans	0	0		0				
1512	NW of Freemont St.	10	25	0	20	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
-	Park St.	0	0		0				
1589	NE of Church St. W	10	25	150	20	\$ 30.00	\$ 8.00	\$ 50.00	\$2,700.00
-	Center St.	0	0		0				
1302	N of Cannonball Trl	10	25	150	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,700.00
-	Patrick Ct.	0	0		0				
1304	W of Cannonball Trl	10	25	150	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,700.00
-	Patrick Ct.	0	0		0				
508	Crimson Ln Orchid	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
509	St.	10	75		0				
510	Crimson Ln Orchid	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
511	St.	10	75		0				
512	Crimson Ln Orchid	0	0	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,000.00
513	St.	0	0		0				
461	Orchid St. Emerald	0	0	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,900.00
462	Dr.	10	75		0				
463	Orchid St. Emerald	0	0	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$2,500.00
464	Dr.	10	75		0				
465	Orchid St. Emerald	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
535	Dr.	10	75		0				
536	Crimson Ln Sage	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
537	Ct.	10	75		0				
538	Crimson Ln Sage	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,900.00
456	Ct.	0	0		0				
457	Coral Dr. Emerald	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
595	Dr.	10	75		0				

FID	LOCATION Description	QUANTITY				UNIT PRICE			LOCATION TOTAL (\$)
		Dectetable Warnings (SF)	Sidewalk Ramp (SF)	Sidewalk Landing (SF)	Curb & Gutter (FT)	Dectetable Warnings (\$)	Sidewalk Replacement (\$)	Curb & Gutter (\$)	
585	Hayden Dr.	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$3,400.00
590	Coneflower Ct.	10	75		12				
596	Hayden Dr. Prairie	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$3,400.00
582	Clover Dr.	10	75		12				
583	Hayden Dr.	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
584	Switchgrass Ln	10	75		12				
466	Emerald Dr. Sienna	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
467	Dr.	10	75		0				
468	Emerald Dr. Sienna	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
469	Dr.	10	75		0				
470	Emerald Dr. Sienna	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$3,400.00
471	Dr.	10	75		12				
472	Sienna Dr.	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
473	Lavender Way	10	75		12				
474	Sienna Dr.	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
2309	Lavender Way	10	75		12				
2310	Sienna Dr.	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
2311	Lavender Way	10	75		12				
2312	Sienna Dr.	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$3,400.00
558	Lavender Way	10	75		0				
559	Autumn Creek	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
560	Bldv. Midight Pl	10	75		0				
561	Autumn Creek	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
2307	Bldv. Midight Pl	10	75		0				
2308	Autumn Creek	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
568	Bldv. Midight Pl	10	75		0				
569	Midight Pl Olive Ln	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
570		10	75		0				
571	Midight Pl Olive Ln	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
572		10	75		0				
573	Midight Pl Olive Ln	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
574		10	75		0				
575	Prairie Grass Ln	0	0	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,500.00
576	Olive Ln	10	75		12				
577	Prairie Grass Ln	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
578	Olive Ln	10	75		0				
579	Prairie Grass Ln	10	75	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,800.00
548	Olive Ln	10	75		0				
549	Autumn Creek	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
550	Bldv. Prairie Grass	10	75		0				
551	Autumn Creek	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$3,400.00
552	Bldv. Prairie Grass	10	75		0				
553	Autumn Creek	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$3,400.00
554	Bldv. Prairie Grass	10	75		12				
555	Prairie Grass Ln	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
556	School Entrance	10	75		12				
557	Prairie Grass Ln	10	75	0	12	\$ 30.00	\$ 8.00	\$ 50.00	\$1,500.00
542	School Exit	0	0		0				
543	Titus Dr. Autumn	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
544	Creek Blvd.	10	75		0				
545	Titus Dr. Autumn	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
546	Creek Blvd.	10	75		0				
547	Titus Dr. Autumn	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
562	Creek Blvd.	10	75		0				

FID	LOCATION Description	QUANTITY				UNIT PRICE			LOCATION TOTAL (\$)
		Dectetable Warnings (SF)	Sidewalk Ramp (SF)	Sidewalk Landing (SF)	Curb & Gutter (FT)	Dectetable Warnings (\$)	Sidewalk Replacement (\$)	Curb & Gutter (\$)	
563	Titus Dr. Autumn	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$3,400.00
564	Creek Blvd.	10	75		12				
565	Titus Dr. Autumn	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
566	Creek Blvd.	10	75		12				
567	Titus Dr. Autumn	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
633	Creek Blvd.	10	75		12				
416	Liliac Way/Vilet Ct.	0	0	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$0.00
417	Emerald Ln.	0	0		0				
418	Liliac Way/Vilet Ct.	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
419	Emerald Ln.	10	75		0				
420	Liliac Way/Vilet Ct.	0	0	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$0.00
421	Emerald Ln.	0	0		0				
422	Liliac Way/Vilet Ct.	10	75	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$900.00
423	Emerald Ln.	0	0		0				
426	Emerald Ln. Ruby	0	0	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$0.00
428	Dr.	0	0		0				
429	Slate Dr./Ct.	0	0	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$0.00
430	Emerald Ln.	0	0		0				
431	Slate Dr./Ct.	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
432	Emerald Ln.	10	75		0				
433	Slate Dr. Emerald	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,900.00
434	Ln.	0	0		0				
435		0	0	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,000.00
2313	Slate Dr. Lilac Way	0	0		0				
2315		0	0	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$0.00
514	Slate Dr. Lilac Way	0	0		0				
518	Autumn Creek	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
519	Blvd. Crimson Ln.	10	75		0				
520	Autumn Creek	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
522	Blvd. Crimson Ln.	10	75		0				
523	Autumn Creek	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$3,400.00
539	Blvd.	10	75		12				
540	Autumn Creek	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
541	Blvd. School Exit	10	75		12				
631	Bluestem Dr.	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$3,400.00
635	Prairie Meadows	10	75		0				
609	Wild Indigo Ln.	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
611	Bluestem Dr.	10	75		12				
605	Bluestem Dr.	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
606	Prairie Grass Ln	10	75		12				
440	Emerald Ln.	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
441	Madden Ct.	10	75		0				
442	Emerald Ln. Cobalt	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$3,400.00
443	Dr.	10	75		0				
444	Emerald Ln. Cobalt	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
445	Dr.	10	75		12				
446	Emerald Ln. Bike	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
447	Path	10	75		0				
448	Emerald Ln.	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$3,400.00
450	Crimson Ln.	10	75		12				
451	Emerald Ln.	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$3,400.00
452	Crimson Ln.	10	75		0				
414	Kennedy Rd	0	0	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$900.00
1095	Emerald Ln.	10	75		0				

FID	LOCATION Description	QUANTITY				UNIT PRICE			LOCATION TOTAL (\$)
		Delectable Warnings (SF)	Sidewalk Ramp (SF)	Sidewalk Landing (SF)	Curb & Gutter (FT)	Delectable Warnings (\$)	Sidewalk Replacement (\$)	Curb & Gutter (\$)	
1088	McMurtrie Way	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
1089	Elden Dr.	10	75		12				
1090	McMurtrie Way	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
1091	Elden Dr.	10	75		12				
173	Caledonia Dr.	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
174	Longview Dr.	10	75		12				
167	Caledonia Dr.	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
168	Pinewood Dr.	10	75		0				
171	Caledonia Dr.	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
172	Lauren Dr.	10	75		12				
2270	Fontana Dr.	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
2271	Bombah Blvd.	10	75		12				
163	Shadow Wood Dr.	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
164	Bombah Blvd.	10	75		0				
2322	Shadow Wood Dr.	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
2323	Bombah Blvd.	10	75		12				
2324	Shadow Wood Dr.	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
2325	Longview Dr.	10	75		0				
165	Shadow Wood Dr.	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
166	Longview Dr.	10	75		12				
1323	Game Farm Rd.	10	75	0	12	\$ 30.00	\$ 8.00	\$ 50.00	\$3,000.00
1324	Pleasure Dr.	10	75		12				
1325	Game Farm Rd.	10	75	0	12	\$ 30.00	\$ 8.00	\$ 50.00	\$3,000.00
1326	Beecher Center	10	75		12				
1328	Library Game Farm	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$3,400.00
1329	Rd.	10	75		12				
1330	Game Farm Rd.	10	75	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,800.00
1331	City Hall	10	75		0				
1333	Game Farm Rd.	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$3,400.00
1334	Football Stadium	10	75		0				
1335	Game Farm Rd.	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,800.00
1336	High School	10	75		0				
1337	Game Farm Rd.	10	75	0	12	\$ 30.00	\$ 8.00	\$ 50.00	\$3,000.00
1338	School Bus	10	75		12				
1340	Game Farm Rd.	0	0	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$2,500.00
1341	High School	10	75		12				
1342	Game Farm Rd.	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
1278	School Bus Exit	10	75		12				
1277		10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
1276	Parking Lot John St.	10	75		12				
1275		10	75	0	12	\$ 30.00	\$ 8.00	\$ 50.00	\$3,000.00
2317	Parking Lot John St.	10	75		12				
56	Plymouth Ave.	10	75	0	12	\$ 30.00	\$ 8.00	\$ 50.00	\$3,000.00
57	Bristol Bay Dr	10	75		12				
58	Plymouth Ave.	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
59	Bristol Bay Dr	10	75		12				
60	Bristol Bay Dr.	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
61	Plymouth Ave.	10	75		12				
83	Gardiner Ave	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
84	Bertram Dr.	10	75		12				
85	Gardiner Ave	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
86	Bertram Dr.	10	75		12				
2313	Gardiner Ave	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$3,400.00
109	Bertram Dr.	10	75		0				

FID	LOCATION Description	QUANTITY				UNIT PRICE			LOCATION TOTAL (\$)
		Dectetable Warnings (SF)	Sidewalk Ramp (SF)	Sidewalk Landing (SF)	Curb & Gutter (FT)	Dectetable Warnings (\$)	Sidewalk Replacement (\$)	Curb & Gutter (\$)	
110	Sarasota Ave	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
111	Bertram Dr.	10	75		12				
112	Bertram Dr.	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$3,400.00
113	Sarasota Ave	10	75		0				
114	Sarasota Ave	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$3,400.00
105	Bertram Dr.	10	75		12				
104	Bertram Dr.	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
106	Harrison Dr.	10	75		12				
107	Harrison Dr.	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
108	Bertram Dr.	10	75		12				
1352	John Street John	10	75	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,800.00
1351	St.	10	75		0				
2320	34 Access Rd John	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
2321	St.	10	75		12				
2318	John Street	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
2319	Hospital Emergency	10	75		12				
1271	Beecher Road John	10	75	125	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,900.00
1272	St.	0	0		0				
1273	John Street	10	75	125	12	\$ 30.00	\$ 8.00	\$ 50.00	\$4,000.00
1274	Hospital Parking	10	75		12				
424	Emerald Ln. Ruby Dr.	0	0	150	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,200.00
		0	0		0				
425	Emerald Ln. Ruby Dr.	0	0	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$0.00
		0	0		0				
412	Kennedy Rd.	0	0	0	0	\$ 30.00	\$ 8.00	\$ 50.00	\$0.00
	Emerald Ln.	0	0		0				
1327	Game Farm Rd. Library	0	0	150	20	\$ 30.00	\$ 8.00	\$ 50.00	\$2,200.00
		0	0		0				
1332	Game Farm Rd. Football Stadium	0	0	150	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,200.00
		0	0		0				
1339	Game Farm Rd. High School	0	0	150	0	\$ 30.00	\$ 8.00	\$ 50.00	\$1,200.00
		0	0		0				

Disclaimers:

1. Prices are estimated costs based on 2018 unit prices.
2. Design Engineering will be required to determine the exact limits of removal and replacement. Some assumptions have been made based on typical repairs for the type of non-compliant issue.
3. Unit prices are presented with the assumption that several ramps will be replaced at the same, therefore there is some economy of scale. Replacement of a single ramp may result in a higher price.

EXHIBIT H

LIST OF REPORT ADDENDA



Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input type="checkbox"/>
Engineer	<input checked="" type="checkbox"/>
City Administrator	<input checked="" type="checkbox"/>
Human Resources	<input type="checkbox"/>
Community Development	<input type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input checked="" type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #2

Tracking Number

PW 2018-57

Agenda Item Summary Memo

Title: Well 3 RFP

Meeting and Date: Public Works Committee – June 19, 2018

Synopsis: RFP for building demolition and water main piping to convert raw water main to
Finished water main

Council Action Previously Taken:

Date of Action: _____ Action Taken: _____

Item Number: _____

Type of Vote Required: Positive

Council Action Requested: Approval

Submitted by: Eric Dhuse Public Works
Name Department

Agenda Item Notes:



Memorandum

To: Public Works Committee
From: Eric Dhuse, Director of Public Works
Julie Morrison, Engineer
CC: Bart Olson, Administrator
Date: May 7, 2018
Subject: Well 3 RFP

Summary

To solicit proposals to demolish the well 3 building and convert raw water main into finished water main, giving us three river crossings for potable water.

Background

When the treatment plants for wells 3 & 4 was constructed in 2006 to remove radium from our drinking water, well 3 went from a finished water site to a raw water site. The water was pumped through a 12" raw water transmission main from well 3 located in the west alley to the well 4 site on Tower Lane. Due to ongoing mechanical and water quality issues, it was decided to abandon and cap well 3 in April of 2017.

With the well abandoned, there is no need to keep the structure. Our intent is to raze the building to create approximately 4 more parking stalls in the west alley. In addition to razing the structure, we would like to connect the abandoned raw water main to our finished water system. This would create a third river crossing that will assist us in moving water across the river for decades to come. Our plan is to insert valves into our finished water system directly adjacent to well house 3 and on Tower Ln. near the PW garage site. These valves would remain closed to the system until such time as we disinfect the raw water main to ensure safe drinking water. After the water main has passed the chlorination test, it will be flushed and opened to the finished water system.

We have attached a map showing the well house location and the tie in locations for the raw water main.

Recommendation

Currently we have \$100,000 budgeted for this expense. The current estimate for the project is approximately \$145,000-\$155,000 for the piping and demolition. It is my recommendation to move forward with RFP process for the demolition of the well house and re-piping of the water mains to see where the bids actually are compared to the estimate. If the bids come in close to the estimate, we do have a few options:

1. Perform the demolition and insert the valve that is adjacent to the well house only. Do not insert the other valve, nor make the piping operational at this time. We would budget for it in the FY 20 budget.

2. Execute the project as planned and push back the well 7 rehab for one year, which we currently have \$157,000 budgeted for this expense. The well 7 rehab project is strictly a preventative maintenance project and can be pushed out one more year without problems.

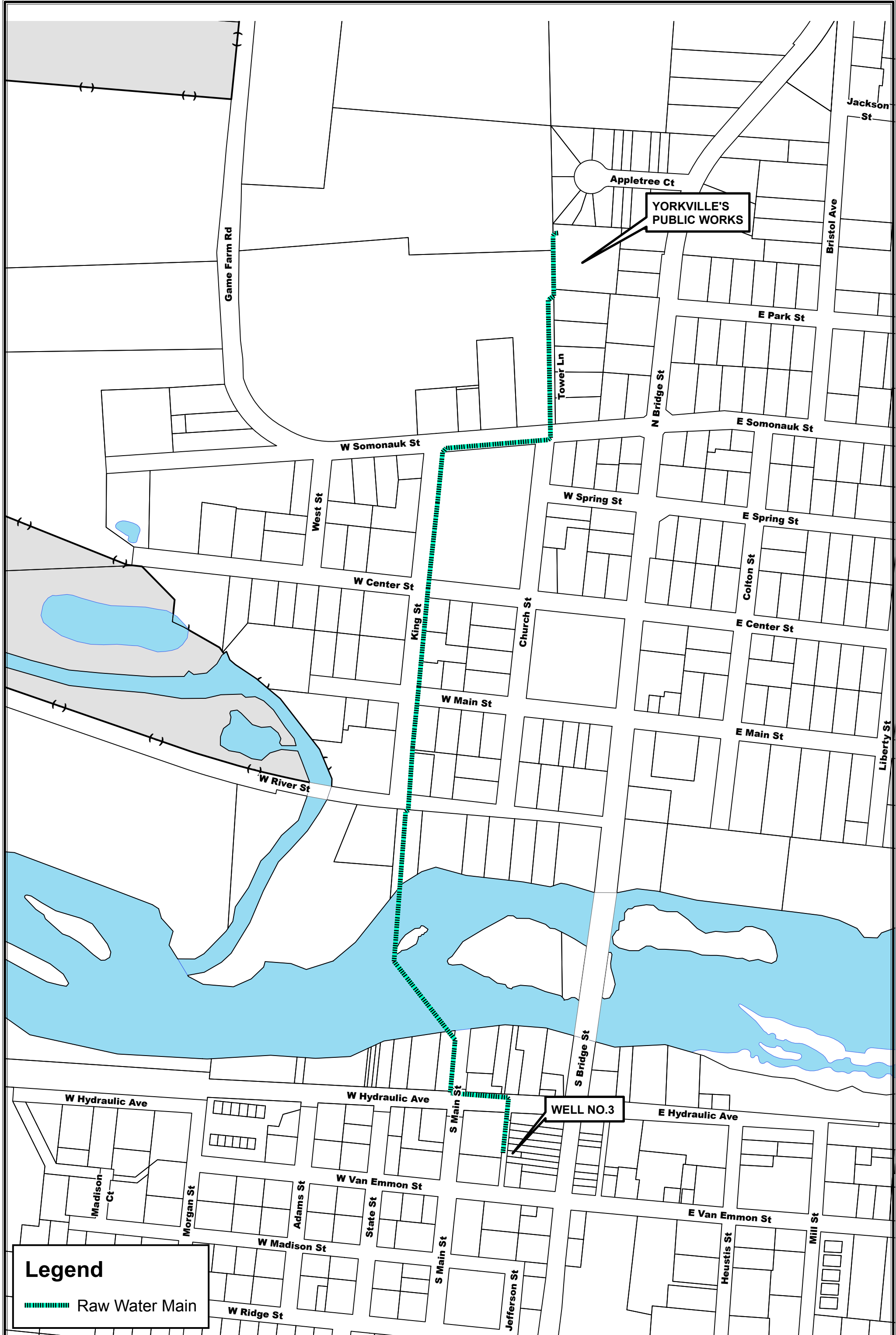
I would ask that this be placed on the May 15, 2018 Public Works Committee agenda for discussion. If you have any questions or need further information, please let me know.




JOB NO:	YO1804
PREPARED BY:	MWS
DATE:	April 12, 2018
PROJECT TITLE:	Well No. 3 Water Main Re-Piping

Engineer's Opinion of Probable Construction Cost

ITEM NO.	ITEM	UNIT	QUANTITY	UNIT PRICE	AMOUNT
1	PRESSURE CONNECTION WITH TAPPING SLEEVE, 12" TAPPING VALVE in VALVE BOX	EACH	1	\$ 8,000.00	\$ 8,000.00
2	PRESSURE CONNECTION WITH TAPPING SLEEVE, 12" TAPPING VALVE IN 60" VAULT	EACH	1	\$ 9,500.00	\$ 9,500.00
3	WATER MAIN, 12-INCH D.I.P, CLASS 52 WITH POLYETHYLENE WRAP	FOOT	25	\$ 110.00	\$ 2,750.00
4	DISCONNECT AND ABANDON EXISTING WATER MAIN	EACH	1	\$ 2,500.00	\$ 2,500.00
5	WATER MAIN REMOVAL	FOOT	15	\$ 200.00	\$ 3,000.00
6	WATER MAIN REMOVAL - WELL HOUSE	FOOT	10	\$ 200.00	\$ 2,000.00
7	DUCTILE IRON FITTINGS	LB	506	\$ 8.00	\$ 4,048.00
8	FOUNDATION MATERIAL	CUYD	50	\$ 30.00	\$ 1,500.00
9	RAW WATER MAIN FLUSHING	LSUM	1	\$ 5,000.00	\$ 5,000.00
10	WATER MAIN DISINFECTION	LSUM	1	\$ 24,000.00	\$ 24,000.00
11	EXPLORATORY EXCAVATION	EACH	1	\$ 1,000.00	\$ 1,000.00
12	BACKFILL WELL PIT	LSUM	1	\$ 14,000.00	\$ 14,000.00
13	PAVEMENT REMOVAL	SQYD	20	\$ 15.00	\$ 300.00
14	HOT-MIX ASPHALT PAVEMENT PATCHING, 4 INCH	SQYD	20	\$ 75.00	\$ 1,500.00
15	HOT-MIX ASPHALT PAVEMENT, 4 INCH WITH 12 INCH AGGREGATE BASE	SQYD	185	\$ 100.00	\$ 18,500.00
16	RESTORATION	SQYD	70	\$ 40.00	\$ 2,800.00
17	TRAFFIC CONTROL AND PROTECTION	LSUM	1	\$ 5,000.00	\$ 5,000.00
18	ALLOWANCE - ITEMS ORDERED BY THE ENGINEER	UNIT	10,000	\$ 1.00	\$ 10,000.00
TOTAL ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST					\$ 115,398.00



Legend

 Raw Water Main

Engineering Enterprises, Inc.
 52 Wheeler Road
 Sugar Grove, Illinois 60554
 (630) 466-6700
 www.eeiweb.com

United City of Yorkville
 800 Game Farm Road
 Yorkville, IL 60560
 630-553-4350
 www.yorkville.il.us

NO.	DATE	REVISIONS

DATE: May 2018
 PROJECT NO.: Y01804
 BY: MJT
 PATH: H:\GIS\PUBLIC\YORKVILLE\2018
 FILE: Y01804_Well Raw Water Main.MXD

UNITED CITY OF YORKVILLE
 KENDALL COUNTY, ILLINOIS

LOCATION MAP





United City of Yorkville, Illinois

REQUEST FOR PROPOSAL
for Re-Piping of Existing Water Main and
Demolition of Well #3 Building

Legal Notice Posted:	June xx, 2018
Proposals Due:	July xx, 2018 at 10:00AM

United City of Yorkville
REQUEST FOR PROPOSAL
Re-Piping of Existing Water Main and
Demolition of Well #3 Building
June 2018

Table of Contents

- A. Legal Notice to Bidders
- B. General Information
- C. Introduction
- D. Project Specifications
- E. Instructions to Bidders
- F. General Conditions
- G. References
- H. Subcontractors
- I. Equipment List
- J. Bid Proposal Sheet
- K. Contract
- L. Detail Exception Sheet
- M. Insurance Requirements
- Attachment A – Record Drawings
- Attachment B – Well No. 3 Water Main Re-Piping Plans

Re-Piping of Existing Water Main and Demolition of Well #3 Building and all Appurtenances

Bidders must attend a Mandatory Site Visit: Tuesday, July xx, 2018 at 10:00 AM. Sealed bids for the Re-Piping of Existing Water Main and Demolition of Yorkville's Well #3 Building and all appurtenances will be received at the address listed below until July xx, 2018 at 10:00 a.m. All bids will be publicly opened immediately thereafter. Proposals Bids not physically received by the City by 10:00 a.m. on July xx. 2018 will be returned, unopened to the bidder. Emailed or faxed proposals will not be accepted. All proposals should be addressed and delivered to:

United City of Yorkville
RE: (Vendor Name)
Bid for Re-Piping of Existing Water main & Demolition of Well #3
Building
Attention: Erin Willrett, Assistant City Administrator
800 Game Farm Road
Yorkville, IL 60560

Bid packets are available online at <http://www.yorkville.il.us>. The link can be found under the Business tab - Bids & RFPs. Additional packets may be picked up at City Hall, 800 Game Farm Road, Yorkville, IL 60560. City Hall is open Monday through Friday, 8:00AM to 4:30PM.

Each bid must be accompanied by a Bid Guarantee in the form of a Bid Bond from a company with an A-1 best rating, or a cashier's check in the amount of ten percent (10%) of the bid and made payable to the United City of Yorkville, 800 Game Farm Road, Yorkville, IL 60560. No bid shall be withdrawn for a period of thirty (30) days after the bid opening date without the consent of the City. Checks or drafts of unsuccessful bidders will be returned as soon as possible after award and execution of the contract.

The City Council will make the final selection and award of the contract. The City Council reserves the right to accept or reject any and all bids, to waive technicalities and to accept or reject any item of any bid.

No communication, except as otherwise allowed in the specifications, shall occur regarding this Invitation To Bid, including requests for information, or speculation between Bidder's or any of their individual members and any City elected official, employee or independently contracted employees or consultants. Failure to comply with this provision may result in offeror's proposal being removed from consideration

Any cost incurred by the Bidder in preparation, transmittal, or presentation of any information or material submitted in response to the RFP, shall be borne solely by the Bidder.

General Information

The United City of Yorkville is seeking an experienced individual or firm to provide the re-piping of existing water main, demolition service of the non-performing Well #3 building and restoration of the land.

The vendor shall furnish and provide all labor, materials, tools, equipment and machinery, unless otherwise specified, necessary to perform and complete, in a good and workmanlike manner.

Introduction

Project Description:

The City is requesting proposals according to the Project Specifications and Plans contained herein (the "Project"). The Project consists of the re-piping of the water main at 610 Tower Lane, along with re-piping of the water main, demolition of Well #3 located in the alleyway BEHIND 211 S Bridge Street and restoration of the land. Note: There is no address for this building. In addition to the demolition, the site will need to be restored to asphalt.

Project Specifications

Scope of Work: Project consists of re-piping the existing water main, demolition of the building and all appurtenances and restoring the area to asphalt. Bidders must completely familiarize themselves with the specifications in this bid document. All Equipment required to perform the contract is the sole responsibility of the contractor and should be included in the proposal. Multiple mobilizations may be expected and will not be treated as extras.

LOCATION OF IMPROVEMENTS: The water main improvements are located between S. Main Street and S. Bridge Street south of W. Hydraulic Street at Well No. 3 and north of Tower Lane at the Water Treatment Plant in the United City of Yorkville, Kendall County, Illinois.

DESCRIPTION OF IMPROVEMENTS: The project consists of connecting the existing 12-inch raw water main to the finished water main at Well No. 3 and at the Water Treatment Plant. It also includes flushing and chlorinating the raw water main and paving the area to become a parking lot. In addition, it includes the demolition of Well #3 building and all appurtenances.

APPLICABLE SPECIFICATIONS: The following Special Provisions supplement the Standard Specifications for Water and Sewer Main Construction in Illinois, latest edition; the Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, adopted April 1, 2016 (hereinafter referred to as the Standard Specifications); the Illinois Department of Transportation Standard Specifications for Traffic Control Items, latest edition; and the Manual on Uniform Traffic Control Devices, latest edition. In case of conflict with any part or parts of said Specifications, these Special Provisions shall take precedence.

NOTIFICATION TO UTILITIES: The Contractor shall notify all utility companies including the local electric, telephone, gas, Yorkville-Bristol Sanitary District and the United City of Yorkville, a minimum of 72 hours prior to beginning any construction or underground investigations. The

Contractor shall then have the responsibility to determine from the public utility companies the locations of underground pipes, conduits or cables adjoining or crossing the construction area.

SUBMITTALS: Shop drawings, cut sheets and or mix designs shall be submitted for the following items:

- HMA material
- All water main products

PROTECTION OF EXISTING DRAINAGE FACILITIES: During construction, if the Contractor encounters or otherwise becomes aware of any sewer, underdrains or field drains within the right-of-way other than those shown on the plans, he shall so inform the Engineer who shall direct the work necessary to maintain or to replace the facilities in service and to protect them from damage during construction if to be maintained. Existing facilities to be maintained that are damaged because of non-compliance with this provision shall be replaced at the Contractor's own expense.

Should the Engineer direct the replacement of a facility, the necessary work and payment shall be done in accordance with Section 603 and 607 and Article 104.03 respectively of the Standard Specifications.

LOCATION OF EXISTING UTILITIES: Location of all utilities shown on the Plans are approximate only, and are not necessarily complete. Existing public and private utilities are shown on the plans according to information obtained from utility companies, municipalities, and/or surveys. The Contractor shall make his own investigations and familiarize himself with the location of all utilities and structures that may be found in the vicinity of the construction and assumes responsibility for all utilities whether shown or not, and must realize that the actual locations and/or elevations of the utilities may be different than indicated. Prior to construction, the Contractor shall contact all utility companies and arrange for location of any utilities they may have in the various areas.

It is understood and agreed that the Contractor has considered in his bid all of the permanent and temporary utility appurtenances in their present or relocated positions. Should any damages occur due to the Contractor's negligence, repairs shall be made by the Contractor at his expense in a manner acceptable to the Engineer. The Contractor shall notify all utility companies of his construction schedule and coordinate construction operations with the utility companies so that relocation of utility lines and structures may proceed in an orderly manner.

All overhead utilities shall be temporarily supported when working nearby.

PERMITTING: The United City of Yorkville is in the process of obtaining the necessary IEPA permits for the construction of the water main. It is the Contractor's responsibility to read these permits and comply with their provisions. The City has paid/will pay any application fees associated with these permits.

COOPERATION WITH OTHER CONTRACTORS: The Contractor shall cooperate with other contractors that are working on/or near any portion of the project site. The Contractor shall schedule his construction to minimize conflicts in common work areas and to maintain continuity in construction and traffic management. Contractor will be given the names of other contractors who will work on/or near the project site. It is the Contractor's responsibility to contact each contractor and coordinate the sequence of work with them.

KEEPING ROADS OPEN TO TRAFFIC: If during construction it is deemed necessary to temporarily close a road, the Engineer shall be notified a minimum of 72 hours in advance so that residents, local agencies and emergency responders can be properly notified. Signage should be placed according to any applicable Traffic Control Standards. Provisions shall be made so that access to residences and businesses is maintained whenever possible. All work associated with the above shall be considered incidental to TRAFFIC CONTROL AND PROTECTION.

All roads shall be open to traffic at the end of each working day.

NOTIFICATION TO RESIDENCES: The Contractor shall assist the City with notifications to residences regarding water service shutdown and/or limited access during construction. Residents must be notified at least 48 hours in advance of any water shut downs or access limitations.

ACCESS TO RESIDENCES: Existing accesses to residences shall be accessible at all times. If the Contractor anticipates temporarily blocking an access, notification should be provided to the City at the preconstruction meeting. A minimum of 48 hours notice shall be provided prior to access loss.

WORK OUTSIDE THE ROW: Temporary construction easements were not obtained for this project. Therefore no construction, disturbance or stockpiling of materials will be allowed outside of the limits of the ROW.

PLAN QUANTITY ASSUMPTIONS: Non-Special, Non-Hazardous Soil Waste Disposal, Foundation Material, and Exploratory Excavations are assumed quantities for the purpose of establishing a unit price.

Trench backfill (incidental) shall be required when any portion of utility trench is within 2' of the driveways, sidewalks, pavement and aggregate shoulders.

TREE PRUNING (EQUIPMENT CLEARANCE): This item (if needed) shall be performed in accordance with Section 201 of the Standard Specifications with the exception of waiving the calendar requirement. All pruning shall be done under the direct supervision of the engineer and a certified arborist.

All costs related to Tree Pruning (Equipment Clearance) will be incidental to the contract.

PROTECTION OF TREES: During construction of this improvement, the Contractor shall exercise care so as not to damage trees outside the limits of construction as shown on the drawings or as determined by the Engineer. Any trees so damaged shall be immediately treated with an approved sealant as directed by the Engineer. All costs associated with protection of trees will be incidental to the contract

REMOVAL AND DISPOSAL OF EXCAVATED MATERIAL: Any excavated material not needed for backfill or embankment shall be removed and disposed of off the site at a location or locations provided by the Contractor. The cost of removal, transportation and disposal of the excavated material is considered incidental to the pay item requiring excavation.

FOUNDATION MATERIAL: Foundation Material shall be in accordance with Section 20 of the Standard Specifications for Water & Sewer Main construction in Illinois except that the foundation material shall be IDOT gradation CA-7, meeting the requirements of Section 1003 of the Standard Specifications. FOUNDATION MATERIAL shall be measured for payment as described in Section 20 of the Standard Specifications for Water & Sewer Main construction in Illinois. FOUNDATION

MATERIAL shall include all costs associated with the removal and disposal of unsuitable material.

SELECTED GRANULAR BACKFILL: Selected granular backfill (also referred to as trench backfill throughout) shall be in accordance with Section 208 of the IDOT Standard Specifications except that the trench backfill shall be CA-7 capped with 16 inches of CA-6, meeting the requirements of Section 1003.

Selected Granular Backfill shall be required where any portion of the trench lies under or within 2' of existing or proposed streets, curb & gutter, aggregate shoulder, sidewalks, and driveways. All CA-6 material placed in such trenches shall be mechanically compacted in maximum one foot lifts.

Selected granular backfill will not be paid for separately but shall be included in the cost of the item requiring backfill, which includes but is not limited to: water main, structures, and water main removal.

EXPLORATORY EXCAVATION: This work shall consist of excavating a trench at the locations directed by the Engineer and shown on the plans for the purpose of locating existing utility conflicts within the construction limits of the proposed improvements.

The trench shall be deep enough to expose the existing utility, and the width of the trench shall be sufficient to allow proper investigation by the Engineer to determine if the existing utility needs to be adjusted or revisions to the proposed utility crossings are necessary.

This work shall be paid at the contract unit price per each for EXPLORATORY EXCAVATION which price shall include all equipment, labor, and material necessary to perform the work.

Areas of the exploratory trench requiring trench backfill shall be backfilled according to the requirements of the Standard Specifications.

No extra compensation will be allowed for delays, inconvenience, or damage sustained by the Contractor in performing the work.

PIPE INSTALLATION FOR WATER MAINS: Pipe shall be installed in accordance with the Standard Specifications for Water & Sewer Main construction in Illinois and manufacturers instructions for installing the type of pipe specified.

All water main shall be wrapped with polyethylene in accordance with AWWA/ANSI C105/A21.5, Method A. When lifting polyethylene-encased pipe, a fabric type sling or a suitably padded cable or chain shall be used to prevent damage to the polyethylene. Any damage to the polyethylene wrap shall be taped with a polyethylene adhesive tape. Excess damage to the polyethylene encasement will result in a new polyethylene tube for that pipe.

Excavation and backfill for water mains shall conform to the typical sections shown in the plans and shall conform to the provisions of Sections 20, 21 and 22 of the Standard Specifications for Water & Sewer Main construction in Illinois.

The trench unless otherwise specified shall have a flat bottom. The pipe shall be laid on 4 inches of bedding stone graded true and even so that the barrel of the pipe will have a bearing for its full length. Bell holes shall be excavated for joints. Any part of the trench excavated below grade shall be corrected with an approved material and thoroughly compacted.

When water is encountered in the trench, it shall be removed during pipe laying and jointing operations. Provisions shall be made to prevent floating of the pipe. Trench water shall not be allowed to enter the pipe at any time. Dewatering, if required, shall be considered incidental to the Contract.

This work shall be paid for at the contract unit price per foot for WATER MAIN, D.I.P., CLASS 52, WITH POLYETHYLENE WRAP, of the size specified, which price shall include providing and installing the pipe, polyethylene wrap, all equipment, labor, bedding stone (if necessary) and other materials, (not listed for payment separately). Any trench backfill required for the water main installation shall be considered incidental to the WATER MAIN, D.I.P., CLASS 52, WITH POLYETHYLENE WRAP, of the size specified.

PRESSURE CONNECTION WITH TAPPING SLEEVE: Pressure connections with tapping sleeves shall be suitable for ordinary water works service, intended to be installed in a normal position on buried pipe lines for water distribution systems.

All pressure taps to an existing city main shall be made with a Clow or Waterous ductile iron mechanical joint tapping sleeve or stainless steel tapping sleeve and a Clow or Waterous resilient tapping valve and shall be constructed in a valve vault.

The Contractor shall expose the water main to be tapped and shall confirm the size and type of piping present. The Contractor shall obtain the necessary materials required to make a proper pressure connection. The Contractor shall not proceed until he has all the required materials on site.

Each valve shall have marker's name, pressure rating and year in which manufactured cast on the body. Prior to shipment from the factory, each valve shall be tested by hydrostatic pressure equal to twice the specified working pressure.

Valve Vaults shall be reinforced concrete in accordance with ASTM C478 and C443. Valve vaults shall be 48-inch for 6-inch diameter valves and 60-inch for 8-inch diameter and larger valves. The casting shall be as specified in the Engineering Plans.

Valve boxes installed in the pavement shall be cast iron and valve boxes installed in non-paved areas shall be trench adapters. Cast iron valve boxes shall be two piece 5 1/4" shafts, screw-type Tyler Model 664-S or approved equal. All trench adapters shall be trench adapter Model 6 by American Flow Control or approved Equal. Lids to be marked "water". Valve box extensions, if required, are incidental to this pay item.

This work shall be paid for at the contract unit price each for PRESSURE CONNECTION of the size valve and vault or valve box specified which price shall include providing and installing the tapping valve, tapping sleeve, valve vault, and backfill material as detailed on the plans.

WATER MAIN REMOVAL: This work shall consist of the removal of existing water main as shown on the plans or as directed by the Engineer. If a section of the water main is removed the remaining water main shall be capped on both ends with an appropriately sized ductile iron fitting.

Water main under the existing building will be paid for at the contract unit price per foot for WATER MAIN REMOVAL – WELL HOUSE. Price shall include the removal and disposal of the water main, equipment, and labor as necessary to complete this work item.

The ductile iron fittings will be paid for will be paid for at the contract unit price per pound for DUCTILE IRON FITTINGS which includes all material and labor necessary for installation.

This work shall be paid for at the contract unit price per foot for WATER MAIN REMOVAL regardless of size. Price shall include the removal and disposal of the water main, equipment, and labor as necessary to complete this work item.

DUCTILE IRON FITTINGS: This work will be paid for at the contract price per pound for DUCTILE IRON FITTINGS which includes all material and labor necessary for installation. Any fittings beyond those indicated on the engineering plans required to install the water main in accordance with the engineering plans are considered incidental to the cost of the water main. All vertical water main adjustments shall be accomplished by deflection, not bends in the water main. However, if fittings are necessary as deemed by the Engineer to lower the water main to avoid conflicts with other existing utilities and provide for water main protection, then they will be paid at the contract unit price per pound for Ductile Iron Fittings. Weight of fittings on the Bid Schedule does not include weight of mechanical joint accessories.

MECHANICAL JOINT ACCESSORIES: Mechanical Joint Accessories, consisting of, but not limited to, gaskets, glands, retainer glands and bolts, are considered incidental to the cost of DUCTILE IRON FITTINGS. Weight of fittings on the Bid Schedule does not include weight of accessories.

RETAINER GLANDS AND FIELD LOK GASKETS: All mechanical joint fittings, valves, and hydrants shall be restrained with retainer glands. Retainer glands shall be EBAA Iron Series 1100 Megalug, Uni-Flange Series 1400, Stargrip Series 3000, or Sigma One Lok SLD. In addition to the "megalug" style retaining glands to be used at all mechanical joint fittings; the gasket at each joint one pipe length beyond the fitting shall be a Field Lok gasket.

The cost of furnishing and installing retainer glands and Field Lok gaskets is considered incidental to the project.

THRUST BLOCKING: Blocking to prevent movement of lines under pressure at bends, tees, caps, valves, plugs and hydrants shall be Portland Cement Concrete, a minimum of twelve inch (12") thick, placed between solid ground and the fittings, and shall be anchored in such a manner that pipe and fitting joints will be accessible for repairs. The contractor shall provide a polyethylene cover over the pipe and/or fitting joints prior to installation of the concrete.

The cost of thrust blocking is considered incidental to the project.

RAW WATER MAIN FLUSHING: The raw water main shall be flushed prior to connecting to the finished water main. The location for flushing shall be discussed at the pre-construction meeting.

This work will be paid for at the contract unit price per Lump Sum for RAW WATER MAIN FLUSHING which price shall include all necessary labor and materials to pressure test, disinfect, and test the water main, all as required to place the water main in service in accordance with the IEPA regulations.

DISINFECTION OF THE WATER MAIN: Upon completion of the newly laid water main, the water main shall be disinfected in accordance with the American Water Works Association, Procedure Destination, AWWA C-651.

The Contractor is responsible for coordinating the collection of water samples with the City of Yorkville. The City will take the bacteriological water samples and have the testing performed as

required by the Illinois Environmental Protection Agency. The City and Engineer shall be present when the samples are taken. See Attachment A for more information about the existing water main.

Water samples collected on two (2) successive days from the treated piping system shall show satisfactory bacteriological results. Bacteriological analyses must be performed by a laboratory certified by the IEPA and approved by the Engineer.

Should the initial treatment result in an unsatisfactory bacterial test, the original disinfection procedure shall be repeated by the Contractor until satisfactory results are obtained. Any additional disinfection required to achieve two (2) successive passing samples shall be incidental to the project.

The Contractor shall furnish to the OWNER the required documentation, test results, etc., required by the IEPA for placing the water main in service.

This work will be paid for at the contract unit price per Lump Sum for WATER MAIN DISINFECTION which price shall include all necessary labor and materials to pressure test, disinfect, and test the water main, all as required to place the water main in service in accordance with the IEPA regulations.

DISCONNECT AND ABANDON EXISTING WATER MAIN: The Contractor shall disconnect and abandon the existing water main at locations shown on the drawings, and in the manner detailed.

The Contractor shall not operate valves on existing mains (unless otherwise authorized by the City), and will be closed and opened only by the employees of the City's Water Department.

The Contractor shall expose the water main to be disconnected and shall confirm the size and type of piping present. The Contractor shall obtain the necessary materials required to make a proper disconnection. The Contractor shall not proceed until he has all the required materials on site.

This work will be paid for at the contract unit price per each for DISCONNECT AND ABANDON EXISTING WATER MAIN, which price shall include all equipment, labor, disposal of abandoned pipe, stone bedding, connection pipe, and other materials (not listed for payment separately) required to properly disconnect existing water mains.

Thrust blocking required for these disconnections will be considered incidental to the DISCONNECT AND ABANDON EXISTING WATER MAIN pay item. A mechanical joint cap will be required at the end of the abandoned water main.

Ductile Iron Fittings required for these disconnections will be paid for at the contract unit price per pound for DUCTILE IRON FITTINGS.

Any trench backfill required to disconnect and abandon the existing water main shall be considered incidental to the DISCONNECT AND ABANDON EXISTING WATER MAIN pay item.

Pavement removal and replacement will be paid for at the contract unit price per square yard for HOT-MIX ASPHALT PAVEMENT REMOVAL of the type and thickness specified and HOT-MIX ASPHALT PAVEMENT PATCH of the type and thickness specified.

DEMOLITION OF WELL #3 BUILDING: Work shall consist of the demolition of one building and all appurtenances. Work includes all preparation work; removal and disposal of all materials, debris, and utilities; site and personal protection equipment; and restoration of the site. The building is constructed of masonry walls and lumber roof rafters with a tar roof. Remove and dispose of all foundations, building slab, walls, roof, interior equipment, and other material from the site. Remove

off site all electric, water, and gas. The Bidder shall clean and maintain all work areas at all times. Effective dust control by use of spray systems or other means shall be maintained at all times.

Disposal of debris or surplus:

- A) The contractor shall comply with 35 Ill. Adm. Code 1100.
- B) Offsite removal of all demolition debris on site, including miscellaneous materials located inside the structures.
- C) All masonry, steel, and other building materials on site associated with the building, shall be removed in its entirety
- D) All fees associated with the removal and disposal of the demolition debris shall be included in said proposal.

This work will be paid for at the contract unit price per Lump Sum for DEMOLITION OF WELL #3 BUILDING which price shall include all necessary labor and materials required to complete this item.

BACKFILL WELL PIT: Following demolition of the well No. 3 building, the pit beneath the slab in the Well No. 3 Building shall be backfilled with compacted aggregate (CA7) in a maximum of 12 inch lifts up to 16” below grade in accordance with section 205 of the IDOT Standard Specifications. The CA-7 will then be capped with 16” of compacted CA-6 aggregate. The dimensions of the pit are approximately 20 feet wide by 24 feet long by 9 feet deep. The contractor shall verify the dimensions in the field.

This work will be paid for at the contract unit price per Lump Sum for BACKFILL WELL PIT which price shall include all necessary labor and materials required to complete this item.

PAVEMENT REMOVAL: This work shall be performed in accordance with Article 440 and 442 of the Standard Specifications in the locations specified on the plans and as directed by the Engineer.

Removal of existing pavement shall be considered complete upon removal of the bituminous and aggregate surfaces, as well as all base and subbase layers that currently compose the pavement. The pavement removal shall be completed to a depth sufficient to allow the placement of the new pavement. Pavement removal beyond the limits indicated in the Construction Notes of the plan set shall not be paid for, nor will the material be paid for that is required to bring the excavated area back to proper grade. All sawcuts adjacent to pavement to remain in place will be considered incidental to this pay item.

Replacement beyond limits as directed by the engineer will NOT be measured for payment and is considered incidental.

This work will be paid for at the contract unit price per square yard for HOT-MIX ASPHALT PAVEMENT REMOVAL measured in place, which includes sawcuts, pavement removal and disposal.

HOT-MIX ASPHALT PAVEMENT PATCHING, 4 INCH: This work shall be performed in accordance with Article 442 of the Standard Specifications in the locations specified on the plans and as directed by the Engineer.

The 4” of HMA replacement item shall consist of 4” of Aggregate Base Course (CA-6) removal and 4” Hot-Mix Asphalt Binder Course, IL-19.0, N50 in accordance with the Standard Specifications.

The patching shall be paved in two lifts. The limits of the removal shall be as shown on the Plans unless otherwise directed by the Engineer. The 12" Aggregate Base Course (CA-6) shall be furnished as part of Granular Selected Backfill (incidental).

The "Type" designation for patch sizes shall not apply, this pay item shall be utilized for all patches regardless of size.

The quantity for this pay item shall be based on the table provided in the Construction Notes of the plan set. Replacement beyond these limits, or limits directed by the Engineer, will NOT be measured for payment and is considered incidental.

This work will be paid for at the contract unit price per square yard for HOT-MIX ASPHALT PAVEMENT PATCH of the thickness specified, measured in place, which includes removal of 4" of CA-6 from the utility trench and the Hot-Mix Asphalt Binder Course. This work must be completed within one week after completion of water main installation.

HOT-MIX ASPHALT PAVEMENT, 4 INCH WITH 12 INCH AGGREGATE BASE: This work shall be in accordance with Sections 202 and 406 of the Standard Specifications in the locations specified on the plans and as directed by the Engineer.

The existing Well No. 3 building is being demolished and replaced with a parking lot. The grading of the parking lot shall be such that it drains towards the alley and does not drain over the existing sidewalk. See the grading detail on sheet 3 on the engineering plans for more information.

This item shall consist of 4" of Aggregate Base Course (CA-6) removal (so that 12" of the 16" CA-6 cap from the trench backfill remains), 12" Aggregate Base Course (CA-6) over prepared subgrade, 2.5" Hot-Mix Asphalt Binder Course, IL-19.0, N50, and 1.5" Hot-Mix Asphalt Surface Course, Mix "C", N50, paved in accordance with the Standard Specifications. This work will be paid for at the contract unit price per square yard for HOT-MIX ASPHALT PAVEMENT, 4 INCH WITH 12 INCH AGGREGATE BASE, measured in place, which includes sawcuts, furnishing, placing and compacting 12" Aggregate Base Course (CA-6) and 2.5" Hot-Mix Asphalt Binder Course, and 1.5" Ho-Mix Asphalt Surface Course.

Following the building demolition, and prior to backfilling, any earthen area required to be removed to achieve the parking lot area as shown in the plans shall be excavated. The excavation shall be deep enough to allow for 12" of compacted CA-6 aggregate base and 4" of total HMA placement. The cost of this excavation shall be included in the cost of HOT-MIX ASPHALT PAVEMENT.

RESTORATION: The Contractor shall restore all areas disturbed during construction of the improvements or as part of any of his activities to a condition equal to or better than the original condition.

This work shall include the stripping, stockpiling, and replacement of topsoil as specified on the plans. Topsoil shall be defined as friable clay loam surface soil found in a depth of not less than six inches. Satisfactory topsoil is free of subsoil, clay lumps, stones and other objects, and without weeds, roots and other objectionable material.

Topsoil stripping and stockpiling shall be completed as follows:

1. Strip topsoil to whatever depths encountered in a manner to prevent intermingling with underlying subsoil or other objectionable material.

- a) Remove heavy growths of grass from areas before stripping.
- b) Where existing trees are indicated to remain, leave existing topsoil in place within drip lines to prevent damage to root system.
2. Stockpile topsoil in temporary construction easement as directed by Engineer. Construct storage piles to provide free drainage of surface water. Cover storage piles, if required, to prevent wind erosion.
3. Topsoil stockpiles are to remain separated from excavated material stockpiles throughout construction.

Topsoil replacement shall be completed as follows:

Preparation of subsoil

1. Prepare sub-soil to eliminate uneven areas and low spots. Maintain lines, levels, profiles and contours. Make changes in grade gradual. Blend slopes into level areas.
2. Remove foreign materials, weeds and undesirable plants and their roots. Remove contaminated sub-soil.

Placing topsoil

1. Spread topsoil to the depth that existed prior to disturbance. Chisel plow to a depth of 18 inches and rake topsoil until smooth.
2. Place topsoil during dry weather and on dry unfrozen sub-grade.
3. Remove vegetable matter and foreign non-organic material from topsoil while spreading.
4. Grade topsoil to eliminate rough, low or soft areas, and to ensure positive drainage.

All ditches, parkways, and other grassed areas disturbed during construction shall be restored to their original shape, contour and condition. Seeding, including finish grade preparation of seedbed, fertilizer and planting shall be as set forth in Section 250 of the Standard Specifications. All disturbed areas must be covered with mulch hydraulically per method 3 as described in Section 251 of the Standard Specifications. The seeding mixture used shall be Class 1A (lawn mixture salt tolerant). Topsoil (six-inch (6") minimum thickness) shall be provided. Water required for watering or hydraulic mulching can be obtained free of charge from the City at 610 Tower Lane.

The Contractor shall be responsible for maintaining all restored areas until such a time as the City accepts these areas. This acceptance will be granted after the Contractor has both fulfilled the minimum required maintenance items and has established a stand of grass (where required) which meets the acceptance standards set forth in these Special Provisions.

Acceptance of seeded areas will be determined by inspection by the City and Engineer. In order for an area to be accepted, it shall conform the following:

- a) Grass shall display a reasonably uniform distribution of grass plants
- b) Grass shall display vigorous growth and be green and healthy in appearance.

Areas having bare spots larger than one (1) square foot will not be accepted. In this situation, the bare spots must be re-seeded in accordance with seeding and maintenance specifications.

The Contractor shall have a representative on the job at all time when work is being performed.

Additional areas damaged by machinery, construction equipment, Contractor negligence or over-excavation beyond the limits shown on the plans shall be repaired in accordance with this Special Provision, at the Contractor's expense.

Unless otherwise listed for payment separately, all work under the general heading RESTORATION will be paid for at the contract unit price per square yard for which price shall be payment in full for restoring the areas disturbed.

WATER REQUIRED FOR RESTORATION: Water necessary for the restoration of the disturbed areas will be provided by the City free of charge. Water can be obtained at 610 Tower Lane.

EROSION CONTROL: Erosion control measures shall be required as stated on the Plans or as deemed necessary by the Engineer and shall be in compliance with the most recent revisions to the Illinois Urban Manual. It should be noted that inlet protection is required at all open grate inlets tributary to disturbed areas.

All areas disturbed during construction shall be seeded as soon as possible after final grading. The Contractor will be responsible for cleaning the pavement, drainage structures, swales, storm sewers and culverts prior to final acceptance and at such times during construction as necessary to maintain drainage and protect adjacent property.

All costs related to Erosion Control will be incidental to the contract.

DEWATERING: Dewatering, as required, will be considered incidental to this Contract.

TRAFFIC CONTROL AND PROTECTION: The Contractor shall furnish, erect, maintain and remove all signs, barricades, flaggers and other traffic control devices as may be necessary for the purpose of regulating, warning or guiding traffic. Placement and maintenance of all traffic control devices shall be in accordance with the applicable parts of Section 701 of the Standard Specifications, the Illinois Manual on Uniform Traffic Control Devices for Streets and Highways in the Supplemental Specifications, any Special Details, Special Provisions, recurring special provisions and the Highway Standards.

At the preconstruction meeting, the Contractor shall furnish the name of the individual in his direct employ who is responsible for the installation and maintenance of the traffic control for this project. If the actual installation and maintenance are to be accomplished by a subcontractor, consent shall be requested of the Engineer at the time of the preconstruction meeting in accordance with Article 108.01 of the Standard Specifications. This shall not relieve the Contractor of the foregoing requirement for a responsible individual in his direct employ. The Contractor shall provide the Engineer with the name of its representative who will be responsible for the administration of the Traffic Control Plan.

Special attention is called to Article 107.09 and Section 700 of the Standard Specifications for Road and Bridge Construction. The Contractor should take particular note of the applicable portions of Article 107.09 closures, shall be post mounted in accordance with Standard 701901 for all projects that exceed a four-day duration.

The Contractor shall contact the Engineer at least 72 hours in advance of beginning work.

Advance warning signage shall be properly placed per the Manual on Uniform Traffic Control Devices for the roadway vehicular traffic as well as the sidewalk pedestrian traffic. The Contractor shall clean all roadways at the end of each working day and as required throughout the day to minimize impact to motorists.

All traffic control indicated on the traffic control plan standards and specified in the Special Provisions will be paid on a lump sum basis.

All traffic control and protection will be paid for at the contract lump sum price TRAFFIC CONTROL AND PROTECTION. This price shall be payment in full for all labor, materials, transportation, handling, and incidental work necessary to furnish, install, maintain, and remove all traffic control devices required as indicated in the plans and as approved by the Engineer.

INCIDENTAL WORK: All work shown on the Plans, described in the applicable specifications or in these Special Provisions and not covered by a pay item, will be considered as incidental to the Contract.

CERTIFIED PAYROLL REQUIREMENTS: Per Public Act 94-0515, Contractors and Subcontractors on public works projects must submit certified payroll records on a monthly basis to the City, along with a statement affirming that such records are true and accurate, that the wages paid to each worker are not less than the required prevailing rate and that the Contractor is aware that filing records he or she knows to be false is a Class B misdemeanor.

The certified payroll records must include for every worker employed on the public works project the name, address, telephone number, social security number, job classification, hourly wages paid in each pay period, number of hours worked each day, and starting and ending time of work each day. These certified payroll records are considered public records and public bodies must make these records available to the public under the Freedom of Information Act, with the exception of the employee's address, telephone number and social security number. Any Contractor who fails to submit a certified payroll or knowingly files a false certified payroll is guilty of a Class B misdemeanor.

RESPONSIBILITY FOR CONTRACT CLAIMS: The Contractor shall indemnify and save harmless the United City of Yorkville, Engineering Enterprises, Inc. and all employees and servants thereof, against all loss, damage or expense sustained as a result of any suits, actions or claims of any character brought on account of property damage, injury to or death of any person or persons, including all persons performing work under this Contract, which may arise in connection with the work to be performed under this Contract.

It is solely the responsibility of the Contractor to provide a safe work environment for both workers on site and the traveling public, at all times until such a point where the City has accepted the improvements set forth in this Contract and any additional work items added by Change Order.

ALLOWANCE – ITEMS ORDERED BY THE ENGINEER: When additional work not indicated in the contract drawing is requested in writing by the Engineer during construction, this additional work shall be measured and paid for as described in Articles 104.02 and 109.04 of the Standard Specifications.

Payment for all additional work shall be made from the ALLOWANCE - ITEMS ORDERED BY THE ENGINEER pay item which shall be measured in units. A unit shall be valued at one dollar.

PROTECTION OF PROPERTY AND UTILITIES: All reasonable precautions will be taken to protect public and private property such as pavements, sidewalks, lawns, fences, bushes, trees, shrubs, catch basins, manholes, drains, utilities, buildings and other property from undue damage. If the Director of Public Works determines that the Bidder has damaged or destroyed property, it shall be repaired or replaced to the satisfaction of the Director at the Bidder's expense.

If Applicable, the Bidder shall have full responsibility for locating all underground facilities in work areas, whether shown or not shown on the Drawings, and contacting JULIE for coordination of the work with the owners of such underground facilities during construction, for the safety and protection thereof, and repairing any damage thereto resulting from the Project; the cost of which shall be included in the Contract Unit Prices for the items specified.

Rules, regulations, and codes governing the respective utilities which may be encountered shall be observed in executing all work

ACCIDENT REPORTING: All accidents occurring on the job which damage public or private property, result in injuries to workers or other persons, or damage to utilities shall be promptly reported to the City's Police and to the Public Works Department.

The person or company submitting the bid shall at all times observe and conform to all laws, ordinances, and regulations of the Federal, State, and City which may in any manner affect the bid.

Instructions to Bidders

1. **Receipt of Bid:** July xx, 2018; 10:00 A.M.
2. **Basis of Bid:** Sealed bids will be received until the above noted time and date.
3. **Project Description: Re-piping the existing water main & demolition of Well #3 building and all apputenances**
4. **Preparation and Submission of Bids:**
 - A. Each bid shall be submitted on the exact form furnished. All blank spaces for bid prices, unit costs and alternates must be filled in using both words and figures if indicated. In case of any discrepancy in the amount bid, the prices expressed in written words shall govern.
 - B. Each Bidder must complete, execute and submit with its bid a certifications regarding public contracting.
 - C. Each Bidder must submit a complete bid package, including the following items:
 - i. **Bid Proposal Sheet**
 - ii. **Detail Exception Sheet**
 - iii. **References**
 - iv. **Subcontractors List.**
 - v. **Equipment List**
 - vi. **Bid Guarantee in the amount of 10% of the total of project.**
 - D. One (1) paper copy of the bid and one electronic version of the bid on a flash drive in a *.pdf (Adobe Acrobat) version shall be submitted in a sealed envelope on or before the time stated and shall bear the name of the individual, firm, or corporation submitting the Bid and the Bid Name - "Re-piping the Existing Water Main & Demolition of Well #3 Building".
 - E. Bidders may attach separate sheets to the bid for the purpose of explanation, exception, alternate bid and to cover unit prices, if needed.
 - F. Bidders may withdraw their bid either personally or by written request at any time before the hour set for the bid opening, and may resubmit it. No bid may be withdrawn or modified after the bid opening except where the award of contract has been delayed for a period of more than thirty (30) days.
 - G. In submitting this bid, the bidder further declares that the only person or party interested in the proposal as principals are those named herein; and that the bid is made without collusion with any other person, firm or corporation.
 - H. The Bidder further declares that he has carefully examined this entire Bid Package, and he has familiarized himself with all of the local conditions affecting the Project and the detailed requirements of this work and understands that in making the bid he waives all rights to plead a misunderstanding regarding same.
 - I. The Bidder further agrees that if the City decides to extend or shorten the completion period, or otherwise alters it by extras or deductions, including elimination of one or more of the items, as provided in the specifications, the Bidder will perform the work as altered, increased or decreased.
 - J. The Bidder further agrees that the City representative may at any time during the progress of the Project covered by this Contract, order other work or materials incidental thereto and that all such work and materials as do not appear in the bid or contract as a

- specific item covered by a lump sum price, and which are not included under the bid price for other items in the Contract, shall be performed as extra work.
- K. The Bidder further agrees to execute all documents within this Bid Package, for this work and present all of these documents to the City.
 - L. The Bidder further agrees to execute all documents within this Bid Package, obtain a Certificate of Insurance for this work and present all of these documents within fifteen (15) days after the receipt of the Notice of Award.
 - M. The Bidder further agrees to begin work not later than ten (10) days after receipt of the Notice to Proceed, unless otherwise provided, and to execute the work in such a manner and with sufficient materials, equipment and labor as will insure its completion prior to the **completion date of Friday, November 16, 2018**, it being understood and agreed that the completion within the time limit is an essential part of the contract.
 - N. By submitting a bid, the Bidder understands and agrees that, if his bid is accepted, and he fails to enter into a contract forthwith, he shall be liable to the City for any damages the City may thereby suffer.
 - O. No bid will be considered unless the party offering it shall furnish evidence satisfactory to the City that he has necessary facilities, ability and pecuniary resources to fulfill the conditions of the Contract.

5. **Additional Information Request:** Questions regarding this Invitation To Bid can be emailed to Erin Willrett, Assistant City Administrator at ewillrett@yorkville.il.us and specific questions regarding the specifications in this Invitation To Bid can be emailed to Eric Dhuse at EDhuse@yorkville.il.us by the end of business on July xx, 2018. Answers will be provided in writing and posted to our website for notification. No oral comments will be made to any Bidder as to the meaning of the Invitation To Bid and Specifications or other contract documents. Bidders will not be relieved of obligations due to failure to examine or receive documents, visit the site or become familiar with conditions or facts of which the Bidder should have been aware of and the City will reject all claims related thereto.

Information (other than in the form of a written Addendum issued by the City) from any officer, agent, or employee of the City or any other person shall not affect the risks or obligations assumed by the Bidder or relieve him from fulfilling any of the conditions and obligations set forth in the proposal and other contract documents. Before the proposals are opened, all modification or additions to the proposal documents will be made in the form of a written Addendum issued by the City. Any Addendum issued will be posted on the City's website. In the event of conflict with the original contract documents, addenda shall govern all other contract documents to the extent specified. Subsequent addenda shall govern over prior addenda only to the extent specified.

The Bidder shall be required to acknowledge receipt of the formal Addendum by signing the Addendum and including it with the proposal quotation. Failure of a Bidder to include a signed formal Addendum in its bid shall deem its bid non-responsive: provided, however that the City may waive this requirement if it in its best interest.

6. **Conditions:**
- A. The City is exempt from Federal excise tax and the Illinois Retailer's Occupation Tax. This bid shall not include any amounts of money for these taxes.
 - B. To be valid, the bids shall be itemized so that selection for purchase may be made, there being included in the price of each unit the cost of delivery (FOB Destination).
 - C. The City shall reserve the right to add or to deduct from the base bid and/or alternate bid any item at the prices indicated in itemization of the bid.
 - D. All bids shall be good for thirty (30) days from the date of the bid opening.
7. **Award of Bid:** The United City of Yorkville reserves the right to reject any or all bids and to waive any informality or technical error and to accept any bid deemed most favorable to the interests of the United City of Yorkville.
- A. The items of work not specifically mentioned in the Schedule which are necessary and required to complete the work intended shall be done incidental to and as part of the items of work for which a unit price is given. No additional payment will be made for such incidental work. The Bidder shall be responsible for identifying all costs to complete the project on time and in order to create a functional and operational system in accordance with the Plans and Specifications.
 - B. In addition to price, the City may consider:
 - Ability, capacity and skill to fulfill the contract as specified.
 - Ability to supply the commodities, provide the services or complete the construction promptly, or within the time specified, without delay or interference.
 - Character, integrity, reputation, judgment, experience and efficiency.
 - Quality of performance on previous contracts.
 - Previous and existing compliance with laws and ordinances relating to the contract.
 - Sufficiency of financial resources.
 - Quality, availability and adaptability of the commodities, services or construction, in relation to the City 's requirements.
 - Ability to provide future maintenance and service under the contract.
 - Number and scope of conditions attached to the bid/proposal.
 - Record of payments for taxes, licenses or other monies due the City
8. **Rejection of Bids:**
- A. The City reserves the right to cancel invitations for bids or requests for proposals without penalty when it is in the best interest of the City. Notice of cancellation shall be sent to all individuals or entities solicited.
 - B. The City reserves the right to reject any or all bids, to waive any minor informality or irregularity in any bid, to negotiate changes and/or modifications with the lowest responsible bidder and to make award to the response deemed to be the most advantageous to the City. Any bid not conforming to the specifications or requirements set forth by the City in the bid request may be rejected.
 - C. Bids may also be rejected if they are made by a bidder that is deemed un-responsible due to a lack of qualifications, capacity, skill, character, experience, reliability, financial stability or quality of services, supplies, materials, equipment or labor.
9. **Equal Opportunity:** The Bidder will not discriminate against any employee or applicant for employment because of race, color, religion, sex, ancestry, national origin, place of birth, age or handicap unrelated to bona fide occupational qualifications.
10. **Non-Discrimination:** The Bidder, its employees and subcontractors, agrees not to commit unlawful discrimination and agrees to comply with applicable provisions of the Illinois

Human Rights Act, the U.S. Civil Rights Act and Section 504 of the Federal Rehabilitation Act, and rules applicable to each.

12. **Execution of Documents:** The Bidder, in signing his Bid on the whole or on any portion of the work, shall conform to the following requirements:

Bids signed by an individual other than the individual represented in the Bid documents shall have attached thereto a power of attorney evidencing authority to sign the Bid in the name of the person for whom it is signed.

Bids which are signed for a partnership shall be signed by all of the partners or by an attorney-in-fact. If signed by an attorney-in-fact, there shall be attached to the Bid a power of attorney evidencing authority to sign the bid, executed by the partners.

Bids which are signed for a corporation shall have the correct corporate name thereof and the signature of the President or other authorized officer of the corporation manually written below the corporate name.

If such Bid is manually signed by an official other than the President of the Corporation, a certified copy of a resolution of the board of directors evidencing the authority of such official to sign the Bid should be attached to it. Such Bid shall also bear the attesting signature of the Secretary of the corporation.

13. **Independent Contractor:** There is no employee/employer relationship between the Contractor and the City. Contractor is an independent contractor and not the City's employee for all purposes, including, but not limited to, the application of the Fair Labor Standards Act minimum wage and overtime payments, Federal Insurance Contribution Act, the Social Security Act, the Federal Unemployment Tax Act, the Worker's Compensation Act (820 ILCS 305/1, et seq.). The City will not (i) provide any form of insurance coverage, including but not limited to health, worker's compensation, professional liability insurance, or other employee benefits, or (ii) deduct any taxes or related items from the monies paid to Contractor. The performance of the services described herein shall not be construed as creating any joint employment relationship between the Contractor and the City, and the City is not and will not be liable for any obligations incurred by the Contractor, including but not limited to unpaid minimum wages and/or overtime premiums, nor does there exist an agency relationship or partnership between the City and the Contractor.

14. **Approval and Use of Subcontractors:** The Contractor shall perform the Services with its own personnel and under the management, supervision, and control of its own organization unless otherwise approved by the City in writing. All subcontractors and subcontracts used by the Contractor shall be included on the Subcontractor's form in the Bid proposal and be acceptable to, and approved in advance by the City. The City's approval of any subcontractor or subcontract shall not relieve the Contractor of full responsibility and liability for the provision, performance, and completion of the Work in full compliance with, and as required by or pursuant to, this Contract. If the Contractor chooses to use subcontractors to perform any of the Work, the Work performed under any subcontract shall be subject to all of the provisions of this Contract in the same manner as if performed by employees of the Contractor. Every reference in this Contract to "Contractor" shall be deemed to also apply to all subcontractors of the Contractor. Every subcontract entered into by the Contractor to provide the Work or any part thereof shall include a provision binding the subcontractor to all provisions of this Contract.

If any personnel or subcontractor fail to perform the part of the Work undertaken by it in a manner satisfactory to the City, the Contractor shall immediately upon notice from the City remove and replace such personnel or subcontractor. The City shall have no claim for damages, for compensation in excess of the contract price, or for a delay or extension of the contract time as a result of any such removal or replacement.

15. **Assignment:** Neither the City nor the Contractor shall assign or transfer any rights or obligations under this Agreement without the prior written consent of the other party.
16. **Governing Law:** The Contract and the rights of the City and Bidder under the Contract shall be interpreted according to the laws of the State of Illinois. Venue for any action related to the Contract will be in the Circuit Court of Kendall County, Illinois.
17. **Changes in Law:** Unless otherwise explicitly provided in the Contract, any reference to laws shall include such laws as they may be amended or modified from time to time.
18. **Time:** The Contract Time is of the essence of this Contract. Except where otherwise stated, references in the Contract to days shall be construed to refer to calendar days.

GENERAL CONDITONS

This entire bid package and following sections apply to all bids requested and accepted by the City and become a part of the contract unless otherwise specified. Persons submitting bids or their authorized representatives are expected to fully inform themselves as to the conditions, requirements, and specifications before submitting bids. The City assumes that submission of a bid means that the person submitting the bid has become familiar with all conditions and intends to comply with them unless noted otherwise.

1. **Definitions:** The Term “City” whenever used in the contract documents shall be construed to mean the United City of Yorkville. The United City of Yorkville, the Community Development Department, and the Director of Community Development shall also be known herein, respectively, as the City, the Department, and the Director.
2. **Conditions:** The Bidder is responsible for being familiar with all conditions, instructions, and documents governing this Project and bid. Failure to make such investigation and preparations shall not excuse the Contractor from performance of the duties and obligations imposed under the terms of the contract.
3. **Bid Bond:** If the bidder’s proposal for this project exceeds forty thousand dollars (\$40,000.00), bids shall be secured by a certified check, bank draft, satisfactory bid bond or approved letter of credit in the amount of ten percent (10%) of the total amount of the complete project. Bid security shall be submitted with the bid.
4. **Performance Bond:** If the bidder’s proposal for the project is equal to or greater than \$5,000 then the following bonds shall be delivered to the City and shall become binding with the acceptance of the bid:

Performance bond satisfactory to the City, executed by Surety Company authorized to do business in the state or otherwise secured in a manner satisfactory to the City, in an amount equal to 110% of the complete project. The surety on the bond shall be a company that is licensed by the Department of Insurance authorizing it to execute surety bonds and the company shall have a financial strength rating of at least A- as rated by A.M. Best Company, Inc., Moody’s Investors Service, Standard & Poor’s Corporation, or a similar rating agency. Upon receipt of the performance bond, the City will return the bid bond to the bidder.
5. **Insurance Requirements:** The successful Bidder shall comply with the City’s insurance requirements attached hereto.
6. **Force Majeure:** Whenever a period of time is provided for in this Agreement for the Contractor or the City to do or perform any act or obligation, neither party shall be liable for any delays or inability to perform if such delay is due to a cause beyond its control and without its fault or negligence including, without limitation: a) Acts of nature; b) Acts or failure to act on the part of any governmental authority other than the City or Contractor, including, but not limited to, enactment of laws, rules, regulations, codes or ordinances subsequent to the date of this Agreement; c) Acts of war; d) Acts of civil or military authority; e) Embargoes; f) Work stoppages, strikes, lockouts, or labor disputes;

g) Public disorders, civil violence, or disobedience; h) Riots, blockades, sabotage, insurrection, or rebellion; i) Epidemics or pandemics; j) Terrorist acts; k) Fires or explosions; l) Nuclear accidents; m) Earthquakes, floods, hurricanes, tornadoes, or other similar calamities; n) Major environmental disturbances; or o) Vandalism. If a delay is caused by any of the force majeure circumstances set forth above, the time period shall be extended for only the actual amount of time said party is so delayed. Further, either party claiming a delay due to an event of force majeure shall give the other party written notice of such event within three (3) business days of its occurrence or it shall be deemed to be waived.

7. **Liquidated Damages:** Time is of the essence to the contract. Should the Contractor fail to complete the work within the specified time stipulated in the contract or within such extended time as may have been allowed, the Contractor shall be liable and shall pay to the City the amount shown in the following schedule of deductions, not as a penalty but as liquidated damages, for each hour of overrun in the contract time or such extended time as may have been allowed. The liquidated damages for failure to complete the contract on time are approximate, due to the impracticality of calculating and proving actual delay costs. This schedule of deductions establishes the cost of delay to account for administration, engineering, inspection, and supervision during periods of extended and delayed performance. The costs of delay represented by this schedule are understood to be a fair and reasonable estimate of the costs that will be borne by the City during extended and delayed performance by the Contractor of the work. The liquidated damage amount specified will accrue and be assessed not until final completion of the total physical work of the contract even though the work may be substantially complete. The City will deduct these liquidated damages from any monies due or to become due to the Contractor from the City.

Deduction for Each Day of Overrun in Contract Time: \$250.00 per day.

8. **Compliance with Laws and Regulations:** In connection with the performance of the work, the Contractor shall comply with all statutes, laws, regulations, and orders of federal, state, county, or municipal authorities which shall impose any obligation or duty upon the Contractor.
9. **Contract Term:** The contract will begin upon a full executed Agreement and approval of the City Council and expire .
10. **Driver's License:** Before commencing work, the Contractor shall provide a copy of valid driver's license for each employee operating equipment in the City. Drivers shall possess a Commercial Driver's License with appropriate endorsements if operating equipment that requires such a license.
11. **Change Orders:** After a contract is awarded pursuant to the competitive bid procedures specified herein, additional purchases or modifications may be made under the contract, or the terms of the contract may be extended, without rebidding the materials, supplies, services or equipment involved, provided that the change order:
 - a. Is approved by the City Council when the change order is an increase or decrease of more than \$10,000 or the time of completion by more than 30 days.

- b. Is approved by the by the City Administrator, or his/her designee for change orders that are not greater than ten thousand dollars (\$10,000.00).

12. **Construction Contracts:**

- a. The Bidder must comply with all applicable laws prerequisite to doing business in the state.
- b. The Bidder must have a valid Federal Employer Tax Identification Number or Tax Identification Number (for individuals).
- c. The Bidder must provide a Statement of Compliance with provisions of the State and Federal Equal Opportunity Employer requirements.

13. **Termination:** The City shall have the right at any time and for any reason (without any penalty) to terminate, in whole or in part, this Contract, provided that the City shall provide Contractor at least ten (10) days' prior written notice of such termination whereupon this Agreement shall automatically terminate immediately after the 11th day.

- a. When this contract, or any portion hereof, is terminated or cancelled by the City, and the Contractor released before all items of work included in this contract have been completed, payment may be made be prorated as a percentage of completion of the actual work at contract unit prices, and no claims for loss of anticipated profits or other damages will be made and are hereby waived.
- b. Termination of a contract, as stated above, will not relieve the Contractor or his/her surety of the responsibility of replacing defective work or materials.

14. **Additional Items:** The City and Contractor further agree that

a. **Prevailing Wage**

Some or all of the work herein may be subject to the provisions of Prevailing Wage Act, 820 ILCS 130/0.01 et.seq., providing for the payment of prevailing rate wages to all laborers, workmen and mechanics engaged on work. The Contractor agrees that, prior to making any payments to its own laborers, workers, or mechanics or to any subcontractor it will determine whether it must legally pay wages in accordance with the Prevailing Wage Act, and if so legally required, pay the then-current prevailing rate of wage as determined by the Illinois Department of Labor and posted at: <http://www.state.il.us/agency/idol/>.

The City may at any time inquire of the Contractor as to rates of wages being paid employees of the Contractor, and any subcontractor or material men, whereupon such information shall be promptly provided by the Contractor. The Contractor shall indemnify the City for any and all violations of the prevailing wage laws and any rules and regulations now and hereafter issued pursuant to said laws.

The Contractor shall insert into each subcontract and into the project specifications for each subcontract a written stipulation requiring all laborers, workers and mechanics performing work under the contract to comply with the Prevailing Wage Act and to require each subcontractor to insert into each lower-tiered contract and into the project specification for each lower tiered subcontract a similar stipulation.

- b. **Sexual Harassment:** During the entire term of the contract, Contractor shall have in full force and effect a written Sexual Harassment Policy, which complies

with the Illinois Human Rights Act (775- ILCS 5/1-101 et.seq.) including at least the following: 1) a statement on the illegality of sexual harassment; 2) the definition of sexual harassment under Illinois Law; 3) a description of sexual harassment, utilizing examples; 4) an internal complaint process, including penalties; 5) the legal recourse, investigative and complaint process available through the Illinois Department of Human Rights (“Department”) and the Illinois Human Rights Commission (“Commission”); 6) directions on how to contact the Department and the Commission; and 7) protection against retaliation as provided by Section 6-101 of the Act.

c. **Drug Free Workplace:** In compliance with Illinois law, The Contractor certifies and agrees that it will provide a drug free workplace by:

- 1) Publishing a Statement:
- 2) Notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance, including cannabis, is prohibited in the Contractor’s workplace.
- 3) Specifying the actions that will be taken against employees for violations of such prohibition.
- 4) Notifying the employee that, as a condition of employment on such Contract, the employee will:
- 5) Abide by the terms of the statement; and
- 6) Notify the employer of any criminal drug statute conviction for a violation occurring in the workplace no later than five (5) days after such conviction.
- 7) Establishing a drug free awareness program to inform employees about:
- 8) The dangers of drug abuse in the workplace;
- 9) The Contractor’s policy for maintaining a drug free workplace;
- 10) Available counseling, rehabilitation, or assistance programs; and
- 11) Penalties imposed for drug violations.
- 12) Providing a copy of the Statement required by subsection (a) to each employee engaged in the performance of the Contract and to post the Statement in a prominent place in the workplace.
- 13) Notifying the contracting agency within ten (10) days after receiving notice of any violations as listed above.
- 14) Imposing a sanction on, or requiring the satisfactory participation in a drug abuse assistance or rehabilitation program, by any employee who is so convicted, as required by Section 5 of the Drug Free Workplace Act.
- 15) Assisting employees in selecting a course of action in the event drug counseling, treatment, and rehabilitation are required and indicating that a trained referral team is in place.
- 16) Making a good faith effort to continue to maintain a drug free workplace through implementation of the Drug Free Workplace Act.
- 17) The Contractor will be required to sign a Drug Free Workplace Certification.

d. **Substance Abuse Prevention on Public Works Projects:** Before a contractor or subcontractor commences work on a public works project as defined in 820 ILCS 130/2, the contractor or subcontractor shall have in place a written program which meets or exceeds the program requirements in the Substance Abuse Prevention on Public Works Projects Act, to be filed with the public body engaged in the construction of the public works and made available to the general public, for the prevention of substance abuse among its employees. The testing must be performed by a laboratory that is certified for Federal Workplace Drug

Testing Programs by the Substance Abuse and Mental Health Service Administration of the U.S. Department of Health and Human Services. At a minimum, the program shall include all of the following:

- 1) A minimum requirement of a 9 panel urine drug test plus a test for alcohol. Testing an employee's blood may only be used for post-accident testing, however, blood testing is not mandatory for the employer where a urine test is sufficient.
- 2) A prohibition against the actions or conditions specified in 820 ILCS 265/10.
- 3) A requirement that employees performing the work on a public works project submit to pre-hire, random, reasonable suspicion, and post-accident drug and alcohol testing. Testing of an employee before commencing work on a public works project is not required if the employee has been participating in a random testing program during the 90 days preceding the date on which the employee commenced work on the public works project.
- 4) A procedure for notifying an employee who violates 820 ILCS 265/10, who tests positive for the presence of a drug in his or her system, or who refuses to submit to drug or alcohol testing as required under the program that the employee may not perform work on a public works project until the employee meets the conditions specified in subdivisions (2)(A) and (2)(B) of 820 ILCS 265/20.

- e. **Non-Collusion:** The Contractor represents that it is not barred from bidding for this contract as a result of a violation of 720 ILCS 5/33E concerning bid rigging, rotating, kickbacks, bribery and interference with public contracts. The Contractor will be required to sign the Non-Collusion Certification.
- f. **Compliance with Laws and Regulations:** In connection with the performance of the work, the Contractor shall comply with all statutes, laws, regulations, and orders of federal, state, county, or municipal authorities which shall impose any obligation or duty upon the Contractor.

REFERENCES

UNITED CITY OF YORKVILLE

General Information, list below current business references for whom you have performed work similar to that required by this proposal.

Business: _____

Address: _____

City, State, Zip Code: _____

Telephone Number: _____

Contact Person: _____

Dates of Service: _____

Business: _____

Address: _____

City, State, Zip Code: _____

Telephone Number: _____

Contact Person: _____

Dates of Service: _____

Business: _____

Address: _____

City, State, Zip Code: _____

Telephone Number: _____

Contact Person: _____

Dates of Service: _____

If additional sheets are needed, please make copies.

SUBCONTRACTORS

UNITED CITY OF YORKVILLE

Provide the name, contact information, and value of work for each and every subcontractor which will be employed on this project.

Subcontractor No. 1: _____

Address: _____

City, State, Zip Code: _____

Telephone Number: _____

Value of Work Subcontracted: _____

Nature of Work Subcontracted: _____

Subcontractor No. 2: _____

Address: _____

City, State, Zip Code: _____

Telephone Number: _____

Value of Work Subcontracted: _____

Nature of Work Subcontracted: _____

Subcontractor No. 3: _____

Address: _____

City, State, Zip Code: _____

Telephone Number: _____

Value of Work Subcontracted: _____

Nature of Work Subcontracted: _____

If additional sheets are needed, please make copies.

Bid Proposal Sheet

The prices stated in this proposal are guaranteed for 90 days from the date of hereof and if awarded within that period, we agree to complete the work covered by this Proposal at said prices. Bidders must fill in "Bid Unit Price" and "Extended Amount" for each bid item. Extend all prices to two decimals.

The undersigned understands that there may be changes, omissions, or modification in the work, and that appropriate adjustments will be made to the Contract price in accordance with the Contract Documents. The undersigned understands that the City reserves the right to accept or reject any or all bids, and to waive all formalities, any irregularities, and accept the Bid deemed to be in the Owner's best interest.

I hereby certify that the item(s) proposed is/are in accordance with the specifications as noted and that the prices quoted are not subject to change; and that the Person submitting the proposal is not barred by law from submitting a proposal to the City for the project contemplated herein because of a conviction for prior violations of either Illinois Compiled Statutes, 720 ILCS 5/33E-3 (Proposal Rigging) or b720 ILCS 5/33-4 (Proposal Rotating); and that

The Person submitting the proposal is not delinquent in payment of any taxes to the Illinois Department of Revenue in accordance with 65 ILCS 5/11-42.1; and that

The Person submitting the proposal provides a drug free workplace pursuant to 30 ILCS 580/1, *et seq.*, and that

The Person submitting the proposal certifies they have a substance-abuse program and provide drug testing in accordance with 820 ILCS 130/11G, Public Act 095-0635; and that

The Person submitting the proposal is in compliance with the Illinois Human Rights Act 775 ILCS 5/1.101 *et seq.* including establishment and maintenance of sexual harassment policies and program.

Firm Name

Signed Name and Title

Street Address

Print Name and Title

City

State

Zip

E-mail Address

Phone Number

Fax Number

Date

Bid Proposal Sheet

**BID SCHEDULE
FOR
RE-PIPING OF EXISTING WATER MAIN AND DEMOLITION OF WELL #3 BUILDING**

ITEM NO.	ITEM	UNIT	QUANTITY	PRICE	AMOUNT
1	PRESSURE CONNECTION WITH TAPPING SLEEVE, 12" TAPPING VALVE IN VALVE BOX	EACH	1	\$	\$
2	PRESSURE CONNECTION WITH TAPPING SLEEVE, 12" TAPPING VALVE IN 60" VAULT	EACH	1	\$	\$
3	WATER MAIN, 12-INCH D.I.P., CLASS 52 WITH POLYETHYLENE WRAP	FOOT	25	\$	\$
4	DISCONNECT AND ABANDON EXISTING WATER MAIN	EACH	1	\$	\$
5	WATER MAIN REMOVAL	FOOT	15	\$	\$
6	WATER MAIN REMOVAL - WELL HOUSE	FOOT	10	\$	\$
7	DUCTILE IRON FITTINGS	LB	506	\$	\$
8	FOUNDATION MATERIAL	CUYD	50	\$	\$
9	RAW WATER MAIN FLUSHING	LSUM	1	\$	\$
10	WATER MAIN DISINFECTION	LSUM	1	\$	\$
11	EXPLORATORY EXCAVATION	EACH	1	\$	\$
12	DEMOLITION OF WELL #3 BUILDING	LSUM	1	\$	\$
13	BACKFILL WELL PIT	LSUM	1	\$	\$
14	PAVEMENT REMOVAL	SQYD	20	\$	\$
15	HOT-MIX ASPHALT PAVEMENT PATCHING, 4 INCH	SQYD	20	\$	\$
16	HOT-MIX ASPHALT PAVEMENT, 4 INCH WITH 12 INCH AGGREGATE BASE	SQYD	185	\$	\$
17	RESTORATION	SQYD	70	\$	\$
18	TRAFFIC CONTROL AND PROTECTION	LSUM	1	\$	\$
19	ALLOWANCE - ITEMS ORDERED BY THE ENGINEER	UNIT	10,000	\$	\$
TOTAL				\$	\$

**UNITED CITY OF YORKVILLE
800 Game Farm Road
YORKVILLE, ILLINOIS 60560**

CONTRACT

THIS CONTRACT made this ____ day of _____, 2018, by and between the United City of Yorkville, an Illinois municipal corporation hereinafter called the “*Owner*” and _____ located at _____ hereinafter called the “*Contractor*”.

WITNESSETH:

WHEREAS, the Owner has heretofore solicited Proposals for all labor and materials necessary to complete the work specified in this bid package;

WHEREAS, the Owner has found that the Contractor is the lowest responsible person submitting the proposal for said work and has awarded the Contractor this contract for said work.

NOW, THEREFORE, for and in consideration of their mutual promises and agreements, the parties hereto do hereby agree as follows:

1. The Contractor agrees to furnish all materials, supplies, tools, equipment, labor and other services necessary to commence and complete the re-piping water main, demolition of the well #3 and restore the land in accordance with the conditions and prices stated in the Request for Proposal, Instructions to Persons submitting proposals – General Conditions, Special Conditions, Insurance Requirements, Specifications and Plans, Proposal, and Detail Exception Sheet all of which are made a part hereof and herein called the “*Contract Documents*”.
2. The Owner will pay the Contractor in the amounts, manner and at times as set forth in the Contract Documents.

IN WITNESS WHEREOF, the parties hereto have executed, or caused to be executed by their duly authorized officials, this Contract as of the day and year first above written:

UNITED CITY OF YORKVILLE

By: _____

CONTRACTOR:

By: _____
Signature

Print Name and Title

DETAIL EXCEPTION SHEET

Any exception must be clearly noted on this sheet. Failure to do so may be reason for rejection of the bid. It is not our intention to prohibit any potential bidder from bidding by virtue of the specifications, but to describe the material(s) and service(s) actually required. The village reserves the right to accept or reject any or all exceptions.

Bidder's exceptions are:

UNITED CITY OF YORKVILLE, ILLINOIS

INSURANCE REQUIREMENTS

Contractor shall procure and maintain, for the duration of the contract, insurance against claims for injuries to persons or damages to property, which may arise from or in connection with the performance of the work hereunder by the Contractor, his agents, representatives, employees, or subcontractors.

1. **MINIMUM SCOPE OF INSURANCE** Coverage shall be at least as broad as:

- A. Insurance Services Office Commercial General Liability Occurrence Form CG 0001 with the City named as additional insured; on a form at least as broad as the endorsement in paragraph 10 including ISO Additional Insured Endorsement CG 2026, CG 2010.
- B. Owners and Contractors Protective Liability (OCP) policy is required with the City as insured (for contracts with subcontractors and projects that are inherently dangerous).
- C. Insurance Service Office Business Auto Liability Coverage Form Number CA 0001, Symbol 01 "Any Auto."
- D. Workers' Compensation as required by the Worker's Compensation Act of the State of Illinois and Employers' Liability insurance.
- E. Builder Risk Property Coverage with City as loss payee.

2. **MINIMUM LIMITS OF INSURANCE** Contractor shall maintain limits no less than if required under above scope:

- A. Commercial General Liability: \$1,000,000 combined single limit per occurrence for bodily injury, personal injury, and property damage. The general aggregate shall be twice the required occurrence limit. Minimum General Aggregate shall be no less than \$2,000,000 or a project/contract specific aggregate of \$1,000,000.
- B. Owners and Contractors Protective Liability (OCP): \$1,000,000 combined single limit per occurrence for bodily injury and property damage.
- C. Businesses Automobile Liability: \$1,000,000 combined single limit per accident for bodily injury and property damage.
- D. Workers' Compensation and Employers' Liability: Workers' Compensation coverage with statutory limits and Employers' Liability limits of \$1,000,000 per accident.
- E. Builder's Risk shall insure against "All Risk" of physical damage, including water damage (flood and hydrostatic pressure not excluded), on a completed value, replacement cost basis. (Protection against loss of materials during construction, renovation, or repair of a structure.)
- F. Umbrella Excess Insurance: \$3,000,000. "Following form" of the underlying and excess policies including listing the City as an additional insured.

3. **DEDUCTIBLES AND SELF-INSURED RETENTIONS**

Any deductibles or self-insured retentions must be declared to and approved by the City. At the option of the City, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the City, its officials, agents, employees, and volunteers; or the Contractor shall procure a bond guaranteeing payment of losses and related investigation, claim administration, and defense expenses.

4. **OTHER INSURANCE PROVISIONS**

The policies are to contain, or be endorsed to contain, the following provisions:

A. **General Liability and Automobile Liability Coverages**

- 1. The City, its officials, agents, employees, and volunteers are to be covered as additional insureds as respects: liability arising out of the Contractor's work, including activities performed by or on behalf of the Contractor; products and completed operations of the Contractor; premises owned, leased, or used by the Contractor; or automobiles owned, leased, hired, or borrowed by the Contractor. The coverage shall contain no special limitations on the scope of protection afforded to the City, its officials, agents, employees, and volunteers.

2. The Contractor's insurance coverage shall be primary as respects the City, its officials, agents, employees, and volunteers. Any insurance or self-insurance maintained by the City, its officials, agents, employees, and volunteers shall be excess of Contractor's insurance and shall not contribute with it.
3. Any failure to comply with reporting provisions of the policies shall not affect coverage provided to the City, its officials, agents, employees, and volunteers.
4. The Contractor's insurance shall contain a Severability of Interests/Cross Liability clause or language stating that Contractor's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.
5. If any commercial general liability insurance is being provided under an excess or umbrella liability policy that does not "follow form," then the Contractor shall be required to name the City, its officials, agents, employees, and volunteers as additional insureds.
6. All general liability coverages shall be provided on an occurrence policy form. Claims-made general liability policies will not be accepted.

B. All Coverages

Each insurance policy shall be endorsed to state that coverage shall not be suspended, voided, cancelled, reduced in coverage, or in limits except after thirty (30) days prior written notice by certified mail, return receipt requested, has been given to the City.

5. ACCEPTABILITY OF INSURERS

Insurance is to be placed with insurers with a Best's rating of no less than A-, VII, and licensed to do business in the State of Illinois.

6. VERIFICATION OF COVERAGE

Contractor shall furnish the City with certificates of insurance naming the City, its officials, agents, employees, and volunteers as additional insureds, and with original endorsements affecting coverage required by this clause. The certificates and endorsements for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. The certificates and endorsements are to be received and approved by the City before any work commences. Other additional insured endorsements may be utilized, if they provide a scope of coverage at least as broad as the coverage stated in paragraph 10, such as ISO Additional Insured Endorsements CG 2026 or CG 2010. The City reserves the right to request full certified copies of the insurance policies and endorsements.

7. SUBCONTRACTORS

Contractor shall include all subcontractors as insureds under its policies or shall furnish separate certificates and endorsements for each subcontractor. All coverages for subcontractors shall be subject to all of the requirements stated herein.

8. ASSUMPTION OF LIABILITY

The contractor assumes liability for all injury to or death of any person or persons including employees of the contractor, any subcontractor, any supplier, or any other person and assumes liability for all damage to property sustained by any person or persons occasioned by or in any way arising out of any work performed pursuant to this agreement.

9. INDEMNITY/HOLD HARMLESS PROVISION

To the fullest extent permitted by law, the Contractor hereby agrees to defend, indemnify, and hold harmless the City, its officials, agents, and employees, against all injuries, deaths, loss, damages, claims, patent claims, suits, liabilities, judgments, cost, and expenses, which may in anywise accrue against the City, its officials, agents, and employees, arising in whole or in part or in consequence of the performance of this work by the Contractor, its employees, or subcontractors, or which may anywise result therefore, except that arising out of the sole legal cause of the City, its agents, or employees, the Contractor shall, at its own expense, appear, defend, and pay all charges of attorneys and all costs and other expenses arising therefore or incurred in connections therewith, and, if any judgment shall be rendered against the City, its officials, agents, and employees, in any such action, the Contractor shall, at its own expense, satisfy and discharge the same.

Contractor expressly understands and agrees that any performance bond or insurance policies required by this contract, or otherwise provided by the Contractor, shall in no way limit the responsibility to indemnify, keep, and save harmless and defend the City, its officials, agents, and employees as herein provided.

10. ADDITIONAL INSURED ENDORSEMENT

The "WHO IS AN INSURED" section of the policy/coverage document shall be amended to include as an insured, the City, but only with respect to liability arising out of your work. For purpose of this endorsement, "arising out of your work" shall

mean: (1) Liability the Additional Insured may incur resulting from the actions of a contractor it hires, (2) Liability the Additional Insured may incur for negligence in the supervision of the Named Insured Contractors work, (3) Liability the Additional Insured may incur for failure to maintain safe worksite conditions, and (4) Liability the Additional Insured may incur due to joint negligence of the Named Insured Contractor and the Additional Insured.

ATTACHMENT A

IMPROVEMENT PLANS FOR CONTRACT B.3 WELLS 3 AND 4 RAW WATER MAIN & KING STREET FINISHED WATER MAIN WATER WORKS SYSTEM IMPROVEMENTS

UNITED CITY OF YORKVILLE
KENDALL COUNTY, ILLINOIS

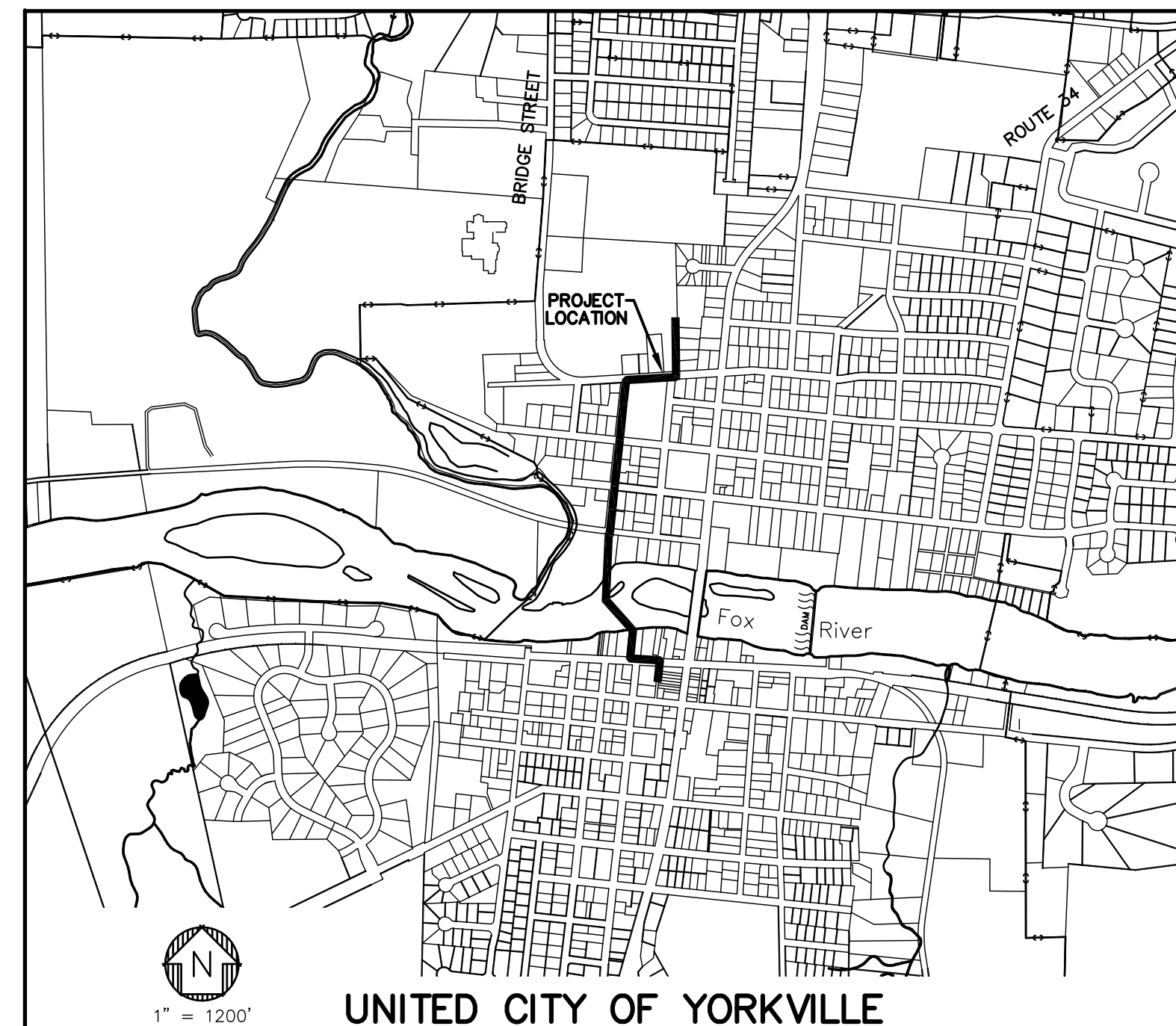
MAY 2004

INDEX OF SHEETS

1. COVER SHEET
2. CONSTRUCTION SPECIFICATIONS, LEGEND AND SUMMARY OF QUANTITIES
3. GENERAL PLAN AND LEGEND
4. SOIL EROSION AND SEDIMENTATION CONTROL PLAN
5. HYDRAULIC AVE. PLAN & PROFILE STA. 0+00 TO STA. 7+00
6. FOX RIVER PLAN & PROFILE STA. 7+00 TO STA. 16+00
7. KING STREET PLAN & PROFILE STA. 16+00 TO STA. 23+50
8. KING STREET PLAN & PROFILE STA. 23+50 TO STA. 30+00
9. SOMONAUK STREET PLAN & PROFILE STA. 30+00 TO STA. 34+00
10. TOWER LANE PLAN & PROFILE STA. 34+00 TO STA. 38+00
11. WELL TREATMENT FACILITY PLAN & PROFILE STA. 38+00 TO STA. 42+00
12. HYDRAULIC AVE. RESTORATION PLAN
13. KING STREET RESTORATION PLAN
14. SOMONAUK STREET, TOWER LANE, AND WELL NO 4 RESTORATION PLAN
15. 10" WATER MAIN UNDER FOX RIVER ABANDONMENT PLAN
16. HYDRAULIC AVE. ABANDONMENT PLAN
17. KING STREET ABANDONMENT PLAN
18. SOMONAUK STREET AND TOWER LANE ABANDONMENT PLAN
19. WELL NO. 4 AND APPLETREE COURT ABANDONMENT PLAN
20. WELL TREATMENT FACILITY DETAILED VIEW
21. TYPICAL DETAILS
22. TYPICAL DETAILS

UNITED CITY OF YORKVILLE OFFICIALS

ARTHUR F. PROCHASKA JR.	MAYOR
JACKIE MILSCHEWSKI	CITY CLERK
WILLIAM POWELL	CITY TREASURER
ANTON GRAFF	CITY ADMINISTRATOR
JOSEPH WYWROT, P.E.	CITY ENGINEER
ERIC DHUSE	DIRECTOR OF PUBLIC WORKS
JOSEPH BESCO	ALDERMAN
VALERIE BURD	ALDERWOMAN
PAUL JAMES	ALDERMAN
LARRY KOT	ALDERMAN
MARTY MUNNS	ALDERMAN
WANDA OHARE	ALDERWOMAN
ROSE ANN SPEARS	ALDERWOMAN
RICHARD STICKA	ALDERMAN
DANIEL KRAMER	CITY ATTORNEY



LOCATION MAP

RECORD DRAWINGS CERTIFICATION

THE RECORD INFORMATION CONTAINED HEREIN WAS OBTAINED OR CALCULATED BY ENGINEERING ENTERPRISES, INC.

I HEREBY CERTIFY THAT THESE RECORD DRAWINGS WERE PREPARED UNDER MY DIRECT SUPERVISION.

DATED AT SUGAR GROVE, ILLINOIS,

THIS _____ DAY OF _____, 2018.

WILLIAM E. DUNN, P.E.
ILLINOIS LICENSED PROFESSIONAL ENGINEER NO. 062-038363
EXPIRATION DATE: 11/30/07

**RECORD DRAWINGS:
NOVEMBER 8, 2007**

RECORDED INFORMATION
IS INDICATED IN *ITALICS*

REVISIONS		
NO.	DATE	SHEETS
1	7/01/04	1, 3-11, 13-16, 18 & 19
2	3/30/05	1, 5, 6, 8-10, 12-18

BENCHMARKS

1. TOP OF FIRE HYDRANT AT SW CORNER KING STREET AND WEST MAIN STREET
ELEVATION = 626.08
2. TOP OF FIRE HYDRANT AT NW CORNER KING STREET AND CENTER STREET
ELEVATION = 629.13



Engineering Enterprises, Inc.
Consulting Engineers
52 Wheeler Road
Sugar Grove, Illinois 60554
630/486-9350

GENERAL NOTES AND CONSTRUCTION SPECIFICATIONS

1. THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JAN. 1, 2002, THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", FIFTH EDITION, DATED MAY, 1996, AND REVISIONS THERETO, THESE IMPROVEMENT PLANS AND DETAILS, SPECIAL PROVISIONS AND CODES AND ORDINANCES OF THE UNITED CITY OF YORKVILLE, ILLINOIS SHALL GOVERN APPLICABLE PORTIONS OF THIS PROJECT.
2. THE CONTRACTOR SHALL OBTAIN, ERECT, MAINTAIN AND REMOVE ALL SIGNS, BARRICADES, FLAGMEN AND OTHER CONTROL DEVICES AS MAY BE NECESSARY FOR THE PURPOSE OF REGULATING, WARNING OR GUIDING TRAFFIC. PLACEMENT AND MAINTENANCE OF ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE APPLICABLE PARTS OF ARTICLE 107.14 OF THE STANDARD SPECIFICATIONS, THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS".
3. LOCATION OF UTILITIES SHOWN ON PLANS ARE APPROXIMATE ONLY, AND ARE NOT NECESSARILY COMPLETE. CONTRACTOR SHALL MAKE HIS OWN INVESTIGATIONS AS TO LOCATION OF ALL EXISTING UNDERGROUND STRUCTURES, CABLES, UTILITIES AND PIPE LINES.
4. IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT IN LOCATION WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND CITY SO THAT THE CONFLICT MAY BE RESOLVED.
5. THE CONTRACTOR SHALL NOTIFY JULLIE (1-800-892-0123) AT LEAST TEN DAYS PRIOR TO CONSTRUCTION SO THAT EACH UTILITY COMPANY CAN STAKE OUT ANY UNDERGROUND IMPROVEMENTS THAT THEY MAY HAVE WHICH MIGHT INTERFERE WITH THE PROPOSED CONSTRUCTION.
6. THE CONTRACTOR SHALL BE REQUIRED TO MAKE ARRANGEMENTS FOR THE PROPER BRACING, SHORING AND OTHER REQUIRED PROTECTION OF ALL ROADWAYS, STRUCTURES, POLES, CABLES AND PIPE LINES, BEFORE CONSTRUCTION BEGINS. HE SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE STREETS OR ROADWAYS AND ASSOCIATED STRUCTURES AND SHALL MAKE REPAIRS AS NECESSARY TO THE SATISFACTION OF THE ENGINEER AND CITY AT HIS OWN EXPENSE.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL PRIVATE AND PUBLIC UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AND CITY BY THE CONTRACTOR AT HIS OWN EXPENSE.
8. THE CONTRACTOR SHALL EXAMINE THE PLANS AND SPECIFICATIONS, VISIT THE SITE OF THE WORK AND INFORM HIMSELF/HERSELF FULLY WITH THE WORK INVOLVED, GENERAL AND LOCAL CONDITIONS, ALL FEDERAL, STATE AND LOCAL LAWS, ORDINANCES, RULES AND REGULATIONS AND ALL OTHER PERTINENT ITEMS WHICH MAY AFFECT THE COST AND TIME OF COMPLETION OF THIS PROJECT BEFORE SUBMITTING A PROPOSAL.
9. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CODE REQUIREMENTS.
10. PRIOR TO SUBMITTING HIS BID, THE CONTRACTOR SHALL CALL THE ATTENTION OF THE ENGINEER TO ANY MATERIAL OR EQUIPMENT HE DEEMS INADEQUATE AND TO ANY ITEM OF WORK OMITTED.
11. THE PAY ITEMS SHALL BE AS NOTED IN THE SUMMARY OF QUANTITIES/PROPOSAL. ANY ITEM OF WORK THAT IS SHOWN ON THE PLANS TO BE PERFORMED BY THE CONTRACTOR, FOR WHICH THERE IS NO PAY ITEM, SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE PROJECT.
12. THE UNDERGROUND CONTRACTOR SHALL BE RESPONSIBLE TO PLACE ON GRADE AND COORDINATE WITH OTHER CONTRACTORS ALL UNDERGROUND STRUCTURE FRAMES SUCH AS CATCH BASINS, INLETS, MANHOLES, HYDRANTS, BUFFALO BOXES, VALVES, ETC. NO ADDITIONAL COMPENSATION SHALL BE PAID AND SAID ADJUSTMENTS SHALL BE CONSIDERED INCIDENTAL TO OTHER ITEMS OF CONSTRUCTION.
13. THE CONTRACTOR SHALL RESTORE ANY AREA DISTURBED TO A CONDITION EQUAL TO OR BETTER THAN ITS ORIGINAL USE. THIS SHALL INCLUDE FINISH GRADING, ESTABLISHMENT OF A VEGETATIVE COVER (SEEDING OR SOD), GENERAL CLEANUP AND PAVEMENT REPLACEMENT.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFE AND HEALTHFUL WORKING CONDITIONS THROUGHOUT THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.
15. THE ENGINEER WILL BE GIVEN FORTY-EIGHT (48) HOURS NOTICE FOR ANY STAKING THAT IS TO BE DONE. EACH OF THE VARIOUS ITEMS OF WORK COVERED BY THIS CONTRACT WILL BE STAKED ONCE. ADDITIONAL STAKING REQUIRED DUE TO THE NEGLIGENCE OF THE CONTRACTOR SHALL BE PAID FOR BY THE CONTRACTOR AT THE CURRENT HOURLY RATE.
16. THE CONTRACTOR SHALL INFORM THE ENGINEER BEFORE WORK COMMENCES ON EACH CATEGORY OF CONSTRUCTION, I.E. WATER MAIN, GRADING, PAVEMENT AND DRAINAGE IMPROVEMENT. A TWENTY-FOUR (24) HOUR NOTICE SHALL BE GIVEN FOR ANY ITEM THAT REQUIRES FINAL TESTING AND INSPECTION SUCH AS WATER MAINS OR SANITARY SEWERS.
17. THE ENGINEER SHALL REPLACE ALL LOT IRONS DAMAGED OR REMOVED DURING CONSTRUCTION OF THIS PROJECT AND THE CONTRACTOR SHALL PAY SAID COST OF REPLACEMENT.
18. BEFORE ACCEPTANCE BY THE CITY AND FINAL PAYMENT, ALL WORK SHALL BE INSPECTED AND APPROVED BY THE ENGINEER. FINAL PAYMENT SHALL BE MADE AFTER ALL OF THE CONTRACTOR'S WORK HAS BEEN APPROVED AND ACCEPTED.
19. THE CONTRACTOR WILL HAVE IN HIS POSSESSION ON THE JOB SITE A COPY OF THE PLANS AND SPECIFICATIONS DURING CONSTRUCTION.
20. IF ANY APPROVED EQUAL ITEMS ARE REQUIRED, THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR APPROVAL.
21. ANY DRAIN AND/OR FIELD TILE ENCOUNTERED BY THE CONTRACTOR DURING THE INSTALLATION OF THE IMPROVEMENTS SHALL BE RETURNED TO ORIGINAL CONDITION. THIS WORK TO BE CONSIDERED INCIDENTAL TO THE CONTRACT.
22. ALL ROAD SIGNS, STREET SIGNS AND TRAFFIC SIGNS WHICH NEED TO BE RELOCATED OR MOVED DUE TO CONSTRUCTION SHALL BE TAKEN DOWN AND STORED BY THE CONTRACTOR AT HIS OWN EXPENSE, EXCEPT THOSE WHICH ARE NECESSARY FOR PROPER TRAFFIC CONTROL WHICH SHALL BE TEMPORARILY RESET UNTIL COMPLETION OF CONSTRUCTION OPERATIONS. AFTER COMPLETION OF THE WORK, THE CONTRACTOR SHALL RESET, AT HIS EXPENSE, ALL SAID SIGNS.
23. THE CONTRACTOR SHALL DISPOSE OF ALL EXCESS EXCAVATION, UNSUITABLE AND UNUSABLE MATERIALS OFFSITE AND AT AN APPROVED LOCATION IN A MANNER THAT PUBLIC OR PRIVATE PROPERTY WILL NOT BE DAMAGED OR ENDANGERED. THIS WORK IS CONSIDERED AS INCIDENTAL TO THE COST OF THE PROJECT.
24. NO EXCAVATIONS WILL BE PERMITTED TO REMAIN OPEN OVER ANY WEEKEND.
25. "BAND-SEAL" OR SIMILAR COUPLINGS SHALL BE USED WHEN JOINING SEWER PIPES OF DISSIMILAR MATERIALS.
26. AS-BUILT DRAWINGS SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER AS SOON AS THE SITE IMPROVEMENTS ARE COMPLETED. ANY CHANGE IN LENGTH, LOCATION OR ALIGNMENT SHALL BE SHOWN IN RED.
27. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ANY REQUIRED INSPECTIONS WITH THE UNITED CITY OF YORKVILLE.
28. SPECIAL ATTENTION IS DRAWN TO THE FACT THAT ARTICLE 105.06 OF THE STANDARD SPECIFICATIONS REQUIRES THE CONTRACTOR TO HAVE A COMPETENT SUPERINTENDENT ON THE PROJECT SITE AT ALL TIMES, IRRESPECTIVE OF THE AMOUNT OF WORK SUBLET. THE SUPERINTENDENT SHALL BE CAPABLE OF READING AND UNDERSTANDING THE PLANS AND SPECIFICATIONS, SHALL HAVE FULL AUTHORITY TO EXECUTE ORDERS TO EXPEDITE THE PROJECT, SHALL BE RESPONSIBLE FOR SCHEDULING AND HAVE CONTROL OF ALL WORK AS THE AGENT OF THE CONTRACTOR. FAILURE TO COMPLY WITH THIS PROVISION WILL RESULT IN A SUSPENSION OF WORK AS PROVIDED IN ARTICLE 108.07.
29. THE ENGINEER AND CITY ARE NOT RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, TIME OF PERFORMANCE, PROGRAMS OR FOR ANY SAFETY PRECAUTIONS USED BY THE CONTRACTOR. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF HIS WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS.

WATER MAIN CONSTRUCTION

1. ALL WATER MAIN CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", FIFTH EDITION, DATED MAY 1996, AND REVISIONS THERETO, THE NOTES AND ON THE PLANS, AND IN ACCORDANCE WITH CODES AND ORDINANCES OF THE UNITED CITY OF YORKVILLE, ILLINOIS.
2. ALL WATER MAIN SHALL BE DUCTILE IRON PIPE CLASS 52 UNLESS SHOWN DIFFERENTLY ON THE PLANS WITH EITHER MECHANICAL OR PUSH-ON JOINTS AND SHALL CONFORM TO ANSI A21.51-86, AWWA C151 AND ANSI A21.11-00, AWWA C111. PIPE SHALL BE MANUFACTURED IN THE UNITED STATES.
3. ALL FITTINGS SHALL BE COMPACT DUCTILE IRON AND SHALL CONFORM TO AWWA/ANSI C153/A21.53-00. FITTINGS SHALL BE U.L. LISTED CLASS 350, TYLER, GRIFFIN, OR APPROVED EQUAL. FITTINGS SHALL BE MANUFACTURED IN THE UNITED STATES.
4. ALL PIPE AND FITTINGS SHALL BE CEMENT LINED IN ACCORDANCE WITH AWWA/ANSI C104/A21.4-95.
5. ALL FITTINGS SHALL BE MECHANICAL JOINT AND INSTALLED WITH RETAINER GLANDS UNLESS OTHERWISE SHOWN ON THE DRAWINGS.
6. ALL MECHANICAL JOINT FITTINGS, VALVES AND HYDRANTS SHALL BE RESTRAINED WITH RETAINER GLANDS. RETAINER GLANDS SHALL BE AN UNI-FLANGE SERIES 1400 WEDGE ACTION RETAINER GLAND OR APPROVED EQUAL.
7. ALL WATER MAIN SHALL BE WRAPPED WITH POLYETHYLENE AND SHALL HAVE A THICKNESS OF 8-MIL IN ACCORDANCE WITH AWWA/ANSI C105/A21.5-99.
8. LONG RADIUS CURVES, EITHER HORIZONTAL OR VERTICAL, MAY BE LAID WITH STANDARD PIPE BY DEFLECTIONS AT THE JOINTS. MAXIMUM DEFLECTIONS AT PIPE JOINTS AND LAYOUT RADIUS FOR THE VARIOUS PIPE LENGTHS SHALL BE IN ACCORDANCE WITH AWWA C600-99. WHEN RUBBER GASKET PIPE IS LAID ON A CURVE, THE PIPE SHALL BE JOINTED IN A STRAIGHT ALIGNMENT AND THEN DEFLECTED TO THE CURVED ALIGNMENT. TRENCHES SHALL BE MADE WIDER ON CURVES FOR THIS PURPOSE.
9. ALL GATE VALVES SHALL HAVE A NON-RISING STEM, SHALL HAVE A STANDARD OPERATING NUT AND SHALL OPEN IN A COUNTER-CLOCKWISE DIRECTION. GATE VALVES SHALL BE CLOW OR WATEROUS RESILIENT WEDGE GATE VALVE IN ACCORDANCE WITH AWWA C509-94 STANDARD. GATE VALVES SHALL BE IN VALVE VAULTS.
10. ALL BUTTERFLY VALVES SHALL HAVE A NON-RISING STEM, SHALL HAVE A STANDARD OPERATING NUT AND SHALL OPEN IN A COUNTER-CLOCKWISE DIRECTION. BUTTERFLY VALVES SHALL BE CLOW OR WATEROUS BUTTERFLY VALVES IN ACCORDANCE WITH AWWA C-504-00. BUTTERFLY VALVES SHALL BE VALVE VAULTS.
11. ALL VALVE BOXES SHALL BE CAST IRON WITH TWO PIECE 5 1/2" SHAFTS. ALL VALVE BOXES SHALL EITHER BE TRENCH ADAPTER MODEL 6 BY AMERICAN FLOW CONTROL, OR APPROVED EQUAL. LIDS TO BE MARKED "WATER" (VALVE BOX EXTENSIONS IF REQUIRED ARE CONSIDERED INCIDENTAL).
12. ALL HYDRANTS SHALL BE IN ACCORDANCE WITH AWWA C502-94 AND SHALL BE A CLOW F-2545 (MEDALLION) OR A WATEROUS W6-87-250 WITH ONE 4 1/2" STEAMER NOZZLE AND TWO 2 1/2" HOSE NOZZLES, OF WHICH THE THREADS CONFORM TO THE STANDARDS OF THE UNITED CITY OF YORKVILLE. ALL HYDRANTS SHALL HAVE AN ABOVE GROUND BREAK FLANGE. ALL HYDRANTS SHALL HAVE AN AUXILIARY GATE VALVE.
13. SLEEVES SHALL BE ROCKWELL D.J. COUPLING TYPE 441 OR EQUAL. SLEEVES SHALL BE PROVIDED AT LOCATIONS SHOWN ON THE PLANS OR AS REQUIRED.
14. ALL TEES, BENDS, FIRE HYDRANTS AND VALVES SHALL BE ADEQUATELY SUPPORTED WITH A CONCRETE BASE, AND SUPPORTED LATERALLY WITH POURED IN PLACE THRUST BLOCKING AGAINST UNDISTURBED EARTH.
15. ALL WATER MAINS SHALL HAVE A MINIMUM DEPTH OF COVER OF 5.5'.
16. ALL PRESSURE TAPS TO AN EXISTING CITY MAIN SHALL BE MADE WITH A CLOW OR WATEROUS DUCTILE IRON MECHANICAL JOINT TAPPING SLEEVE AND A CLOW OR WATEROUS RESILIENT TAPPING VALVE AND SHALL BE CONSTRUCTED IN A VALVE VAULT.
17. THE CONTRACTOR SHALL OBTAIN, ERECT, MAINTAIN AND REMOVE ALL SIGNS, BARRICADES, FLAGMEN AND OTHER CONTROL DEVICES AS MAY BE NECESSARY FOR THE PURPOSE OF REGULATING, WARNING OR GUIDING TRAFFIC. PLACEMENT AND MAINTENANCE OF ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE APPLICABLE PARTS OF ARTICLE 107.14 OF THE STANDARD SPECIFICATIONS AND THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS. CONTRACTOR SHALL FURNISH A TRAFFIC CONTROL PLAN FOR IDOT OR CITY APPROVAL IF REQUIRED. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CODE REQUIREMENTS.
18. THE CONTRACTOR SHALL RESTORE ANY AREA DISTURBED TO A CONDITION EQUAL TO OR BETTER THAN ITS ORIGINAL USE. THIS SHALL INCLUDE FINISH GRADING, ESTABLISHMENT OF A VEGETATIVE COVER (SEEDING OR SOD), GENERAL CLEANUP AND PAVEMENT REPLACEMENT.
19. ALL TRENCHES CAUSED BY THE CONSTRUCTION OF SEWERS, WATER MAINS, WATER SERVICE PIPES AND THE EXCAVATION AROUND CATCH BASINS, INLETS AND OTHER APURTANCES WHICH OCCUR WITHIN THE LIMITS OF EXISTING OR PROPOSED PAVEMENTS, SIDEWALKS AND CURB AND GUTTERS OR WHERE THE EDGE OF THE TRENCH SHALL BE WITHIN TWO (2') FEET OF SAID IMPROVEMENTS SHALL BE BACKFILLED WITH CA-6 CRUSHED LIMESTONE (DOT CERTIFIED) AND MECHANICALLY COMPACTED.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFE AND HEALTHFUL WORKING CONDITIONS THROUGHOUT THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.
21. BEFORE ACCEPTANCE BY THE CITY ALL WORK SHALL BE INSPECTED AND APPROVED BY THE CITY OR ITS REPRESENTATIVES.
22. EASEMENTS FOR THE EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE, AND UTILITIES WITHIN PUBLIC RIGHTS-OF-WAY ARE SHOWN ON THE PLANS ACCORDING TO AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION IN THE FIELD OF THESE UTILITY LINES AND THEIR PROTECTION FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS. IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT IN LOCATION WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT MAY BE RESOLVED.
23. WATER MAINS AND WATER SERVICE LINES SHALL BE PROTECTED FROM SANITARY SEWERS, STORM SEWERS, COMBINED SEWERS, HOUSE SEWER SERVICE CONNECTIONS AND DRAINS IN ACCORDANCE WITH TITLE 35: ENVIRONMENTAL PROTECTION AGENCY SUBTITLE 17: PUBLIC WATER SUPPLIES, CHAPTER II: ENVIRONMENTAL PROTECTION AGENCY, PARTS 651-654 TECHNICAL POLICY STATEMENTS, SECTION 653.119.
24. WHENEVER POSSIBLE, A WATER MAIN MUST BE LAID AT LEAST TEN FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED DRAIN OR SEWER. IF CONDITIONS EXIST WHICH REQUIRE A LATERAL SEPARATION OF TEN FEET, A WATER MAIN MAY BE LAID CLOSER THAN TEN FEET TO A STORM OR SANITARY SEWER PROVIDED THAT THE WATER MAIN INVERT IS AT LEAST EIGHTEEN INCHES ABOVE THE CROWN OF THE SEWER, AND IS EITHER IN A SEPARATE TRENCH OR IN THE SAME TRENCH ON AN UNDISTURBED EARTH SHELF LOCATED TO ONE SIDE OF THE SEWER. IF IT IS IMPOSSIBLE TO OBTAIN PROPER HORIZONTAL OR VERTICAL SEPARATION, THEN THE SEWER MUST ALSO BE CONSTRUCTED OF WATER MAIN TYPE MATERIAL (DUCTILE IRON PIPE WITH SLIP-ON OR MECHANICAL JOINTS, PRESTRESSED REINFORCED CONCRETE PIPE WITH ASTM C-443 JOINTS, ETC.) AND PRESSURE TESTED TO THE MAXIMUM EXPECTED SURCHARGE HEAD TO ASSURE WATER TIGHTNESS BEFORE BACKFILLING.
25. WHENEVER WATER MAINS MUST CROSS HOUSE SEWERS, STORM SEWERS OR SANITARY SEWERS, THE WATER MAIN SHALL BE LAID AT SUCH AN ELEVATION THAT THE INVERT OF THE WATER MAIN IS EIGHTEEN INCHES ABOVE THE CROWN OF THE DRAIN OR SEWER. THIS VERTICAL SEPARATION MUST BE MAINTAINED FOR THAT PORTION OF THE WATER MAIN LOCATED WITHIN TEN FEET HORIZONTALLY OF ANY SEWER OR DRAIN CROSSING. THIS MUST BE MEASURED AS THE NORMAL DISTANCE FROM THE WATER MAIN TO THE DRAIN OR SEWER. IF IT IS IMPOSSIBLE TO OBTAIN THE PROPER VERTICAL SEPARATION AS DESCRIBED ABOVE OR IF IT IS NECESSARY FOR THE WATER MAIN TO PASS UNDER A SEWER OR DRAIN, THEN THE SEWER MUST BE CONSTRUCTED OF WATER MAIN TYPE MATERIAL (AS NOTED IN ITEM 2). THIS CONSTRUCTION MUST EXTEND ON EACH SIDE OF THE CROSSING UNTIL THE NORMAL DISTANCE FROM THE WATER MAIN TO THE SEWER OR DRAIN LINE IS AT LEAST TEN FEET. IN MAKING SUCH CROSSINGS, CENTER A LENGTH OF WATER MAIN PIPE OVER/UNDER THE SEWER TO BE CROSSED SO THAT THE JOINTS WILL BE EQUIDISTANT FROM THE SEWER AND AS REMOTE THEREFROM AS POSSIBLE. WHERE A WATER MAIN MUST CROSS UNDER A SEWER, A VERTICAL SEPARATION OF EIGHTEEN INCHES BETWEEN THE INVERT OF THE SEWER AND THE CROWN OF THE WATER MAIN SHALL BE MAINTAINED, ALONG WITH MEANS TO SUPPORT THE LARGER SIZED SEWER LINES TO PREVENT THEIR SETTLING AND BREAKING THE WATER MAIN.
26. VALVE VAULTS SHALL BE ADJUSTED WITH PRECAST CONCRETE ADJUSTING RINGS TO A MAXIMUM OF 0'-8".
27. HYDROSTATIC TESTS - THE CONTRACTOR SHALL PERFORM HYDROSTATIC TESTS IN ACCORDANCE WITH DIVISION IV, SECTION 41 OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION, AND APPLICABLE PROVISIONS OF AWWA C-600 AND C-603. THE WATER MAINS SHALL MAINTAIN A 150 PSI AVERAGE FOR UP TO 4 HOURS DURING THE TEST. ALLOWABLE LEAKAGE SHALL BE AS SET FORTH IN STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION THE CITY WATER OPERATOR IN CHARGE OR PERSON AUTHORIZED BY THE CITY WATER OPERATOR IN CHARGE SHALL BE PRESENT DURING ALL TESTING. THE CONTRACTOR SHALL USE A PRESSURE GAGE SUPPLIED BY THE CITY FOR THE TEST.
28. DISINFECTION OF THE WATER MAIN - UPON COMPLETION OF THE NEWLY LAID WATER MAINS, THE WATER MAINS SHALL BE DISINFECTED IN ACCORDANCE WITH THE AMERICAN WATER WORKS ASSOCIATION, PROCEDURE DESIGNATION, AWWA C-651, LATEST EDITION. WATER SHALL BE TESTED TO ASSURE THAT 50MG/L OF CL2 IS IN DISINFECTED WATER. THE CITY OPERATOR IN CHARGE OR PERSON AUTHORIZED SHALL PERFORM SAMPLING. WATER MUST PASS TWO CONSECUTIVE DAYS OF SAMPLING TESTS BY A STATE APPROVED LAB.
29. WATER VALVES AND FIRE HYDRANTS SHALL ONLY BE OPERATED BY UNITED CITY OF YORKVILLE WATER DEPARTMENT PERSONNEL. PLEASE CONTACT THE WATER DEPARTMENT AT 630-553-4372.

SOIL EROSION AND SEDIMENTATION CONTROL

- THE CONTRACTOR SHALL PROVIDE SOIL EROSION AND SEDIMENTATION CONTROL IN ACCORDANCE WITH THE "PROCEDURES AND STANDARDS FOR SOIL EROSION AND SEDIMENTATION CONTROL IN NORTHEASTERN ILLINOIS" (REVISED JULY, 1988) PREPARED BY THE NORTHEASTERN ILLINOIS EROSION AND SEDIMENTATION CONTROL STEERING COMMITTEE AND THE "ILLINOIS URBAN MANUAL", PUBLISHED BY THE USDA/NRCS FOR THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY (LATEST EDITION) AND IN ACCORDANCE WITH THE PLANS.
- SOIL STABILIZATION
1. TOPSOIL AND VEGETATIVE COVER - STRIP TOPSOIL AND REMOVE EXISTING VEGETATION. STOCKPILE ON-SITE (FOR REUSE) AT LOCATION DESIGNATED.
 2. TEMPORARY SEEDING - TEMPORARY SEEDING SHALL BE PROVIDED WITHIN 15 DAYS TO ANY DISTURBED AREAS THAT ARE SCHEDULED TO REMAIN DENUDE FOR LONGER THAN 60 DAYS.
 3. PERMANENT SEEDING - IMMEDIATELY FOLLOWING FINISH GRADING AND TOPSOIL PLACEMENT INSTALL SEEDING OR SOD IN AREAS AS DESIGNATED ON PLANS.
 4. PAVED AREAS - INSTALL THE AGGREGATE BASE AS SOON AS POSSIBLE IN THE CONSTRUCTION SEQUENCE TO PROVIDE REQUIRED STABILIZATION.
 5. SLOPE PROTECTION - PROTECT SEEDING ON STEEP SLOPES WITH MULCH, EXCELSIOR BLANKET, OR EQUAL.
- SEDIMENT CONTROL
1. ADJACENT PROPERTY - PROTECT ADJACENT PROPERTY FROM SEDIMENT DEPOSITION BY PRESERVING A VEGETATED BUFFER STRIP OR BY SEDIMENT BARRIERS OR FILTERS AT THE LOWER PERIMETER OF THE LOT.
 2. SEDIMENTATION CONTROL SHALL BE PROVIDED IN ALL AREAS AROUND THE PERIMETER OF ALL STOCKPILE AREAS.
 3. STORM SEWER INLET PROTECTION -
 - A. GRASS AREAS - INSTALL AND MAINTAIN STRAW BALE SEDIMENT TRAPS AT EACH CATCH BASIN UNTIL AREA TRIBUTARY TO SAID CATCH BASIN HAS BEEN COMPLETELY REVEGETATED.
 - B. PAVED AREAS - INSTALL AND MAINTAIN FILTER FABRIC BETWEEN FRAME AND GRATE OF ALL INLET STRUCTURES UNTIL AREAS TRIBUTARY TO SAID INLET HAVE BEEN PAVED AND /OR COMPLETELY REVEGETATED.
 4. STRAW BALES SHALL BE INSTALLED AS DITCH CHECKS AND STAKED IN PLACE AT 250 LINEAR FEET MAXIMUM SPACING IN ALL SWALES.
 5. PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT (MUD) BY RUNOFF OR VEHICLE TRACKING ONTO STATE, COUNTY OR TOWNSHIP HIGHWAYS OR LOCAL STREETS. IF NECESSARY, STATE, COUNTY OR TOWNSHIP HIGHWAYS OR LOCAL STREETS SHALL BE CLEANED DAILY AT THE END OF EACH WORK DAY OR AS REQUIRED TO KEEP MUD AND/OR OTHER DEBRIS OFF OF ANY HIGHWAY OR STREET.
 6. REMOVAL OF CONTROL MEASURES - DISPOSES OF ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED.
 7. SOIL EROSION AND SEDIMENTATION CONTROL MEASURES TO BE CHECKED WEEKLY AND AFTER EACH RAIN. CLEAN AND RESTORE AS REQUIRED.

SECTION 10: DISINFECTION PROCEDURES WHEN CUTTING INTO OR REPAIRING EXISTING MAINS

- THE FOLLOWING PROCEDURES APPLY PRIMARILY WHEN EXISTING MAINS ARE WHOLLY OR PARTIALLY DEWATERED. AFTER THE APPROPRIATE PROCEDURES HAVE BEEN COMPLETED, THE EXISTING MAIN BE RETURNED TO SERVICE PRIOR TO COMPLETION OF BACTERIOLOGICAL TESTING IN ORDER TO MINIMIZE THE TIME CUSTOMERS ARE OUT OF WATER. LEAKS OR BREAKS THAT ARE REPAIRED WITH CLAMPING DEVICES WHILE THE MAINS REMAIN FULL OF PRESSURIZED WATER PRESENT LITTLE DANGER OF CONTAMINATION AND REQUIRE NO DISINFECTION.
- SEC. 10.1 TRENCH TREATMENT
- WHEN AN EXISTING MAIN IS OPENED, EITHER BY ACCIDENT OR BY DESIGN, THE EXCAVATION WILL LIKELY BE WET AND MAY BE BADLY CONTAMINATED FROM NEARBY SEWERS. LIBERAL QUANTITIES OF HYPOCHLORITE APPLIED TO OPEN TRENCH AREAS WILL LESSEN THE DANGER FROM SUCH POLLUTION. TABLETS HAVE THE ADVANTAGE IN SUCH A SITUATION BECAUSE THEY DISSOLVE SLOWLY AND CONTINUE TO RELEASE HYPOCHLORITE AS WATER IS PUMPED FROM THE EXCAVATION.
- SEC. 10.2 SWABBING WITH HYPOCHLORITE SOLUTION
- THE INTERIOR OF ALL PIPE AND FITTINGS (PARTICULARLY COUPLINGS AND SLEEVES) USED IN MAKING THE REPAIR SHALL BE SWABBED OR SPRAYED WITH A 1 PERCENT HYPOCHLORITE SOLUTION BEFORE THEY ARE INSTALLED.

- SEC. 10.3 FLUSHING
- THOROUGH FLUSHING IS THE MOST PRACTICAL MEANS OR REMOVING CONTAMINATION INTRODUCED DURING REPAIRS. IF VALVE AND HYDRANT LOCATIONS PERMIT, FLUSHING TOWARD THE WORK LOCATION FROM BOTH DIRECTIONS IS RECOMMENDED. FLUSHING SHALL BE STARTED AS SOON AS THE REPAIRS ARE COMPLETED AND SHALL BE CONTINUED UNTIL DISCOLORED WATER IS ELIMINATED.

- SEC. 10.4 SLUG CHLORINATION
- WHEN PRACTICABLE IN ADDITION TO THE PROCEDURES ABOVE, THE SECTION OF MAIN IN WHICH THE BREAK IS LOCATED SHALL BE ISOLATED, ALL SERVICE CONNECTIONS SHUT OFF, AND THE SECTION FLUSHED AND CHLORINATED AS DESCRIBED IN SEC. 5.3, EXCEPT THAT THE DOSE MAY BE INCREASED TO AS MUCH AS 300 MG/L AND THE CONTACT TIME REDUCED TO AS LITTLE AS 15 MIN. AFTER CHLORINATION, FLUSHING SHALL BE RESUMED AND CONTINUED UNTIL DISCOLORED WATER IS ELIMINATED, AND THE WATER IS FREE OF NOTICEABLE CHLORINE ODOR.

- SEC. 10.5 SAMPLING
- BACTERIOLOGICAL SAMPLES SHALL BE TAKEN AFTER REPAIRS ARE COMPLETED TO PROVIDE A RECORD FOR DETERMINING THE PROCEDURE'S EFFECTIVENESS. IF THE DIRECTION OF FLOW IS UNKNOWN, THEN SAMPLES SHALL BE TAKEN ON EACH SIDE OF THE MAIN BREAK. IF POSITIVE BACTERIOLOGICAL SAMPLES ARE RECORDED, THEN THE SITUATION SHALL BE ELEVATED BY THE PURCHASER (OR PURCHASER'S REPRESENTATIVE) WHO CAN DETERMINE CORRECTIVE ACTION, AND DAILY SAMPLING SHALL BE CONTINUED UNTIL TWO CONSECUTIVE SAMPLES ARE RECORDED.

**RECORD DRAWING:
NOVEMBER 8, 2007**

**RECORDED INFORMATION
IS INDICATED IN ITALICS**

ITEM NO.	ITEM	UNIT	QUANTITY
1	TREE REMOVAL	UNITS	36
2	TREE ROOT PRUNING		5
3	TRENCH BACKFILL	CU. YD.	4,230
4	ROCK EXCAVATION	CU. YD.	742
5	CONCRETE BACKFILL	CU. YD.	455
6	WELL HOUSE PIPING AND VALVE IMPROVEMENTS	LUMP SUM	1
7	CONNECTION TO EXISTING 4" WATERMAIN	EACH	2
8	CONNECTION TO EXISTING 6" WATERMAIN	EACH	3
9	CONNECTION TO EXISTING 8" WATERMAIN	EACH	4
10	CONNECTION TO EXISTING 10" WATERMAIN	EACH	1
11	CONNECTION TO EXISTING 16" WATERMAIN	EACH	1
12	PRESSURE CONNECTION WITH TAPPING SLEEVE AND 6" TAPPING VALVE IN 48-INCH VAULT	EACH	1
13	PRESSURE CONNECTION WITH TAPPING SLEEVE AND 8" TAPPING VALVE IN 48-INCH VAULT	EACH	1
14	PRESSURE CONNECTION WITH TAPPING SLEEVE AND 12" TAPPING VALVE IN 60-INCH VAULT	EACH	1
15	PRESSURE CONNECTION WITH TAPPING SLEEVE AND 16" TAPPING VALVE IN 60-INCH VAULT	EACH	1
16	WATERMAIN, 4-INCH D.I.P., CLASS 52	FOOT	17
17	WATERMAIN, 6-INCH D.I.P., CLASS 52	FOOT	104
18	WATERMAIN, 8-INCH D.I.P., CLASS 52	FOOT	226
19	WATERMAIN, 12-INCH D.I.P., CLASS 52	FOOT	3,520
20	WATERMAIN, 12-INCH D.I.P., CLASS 54 (RESTRAINED JOINT) - RIVER CROSSING	FOOT	804
21	WATERMAIN, 16-INCH D.I.P., CLASS 52	FOOT	2,431
22	WATERMAIN, 16-INCH D.I.P., CLASS 54 (RESTRAINED JOINT) - RIVER CROSSING	FOOT	804
23	RIVER CROSSING - COFFERDAM	LUMP SUM	1
24	GATE VALVE AND VALVE VAULT, 8-INCH (RESILIENT WEDGE) IN 48-INCH VAULT	EACH	8
25	GATE VALVE AND VALVE VAULT, 12-INCH (RESILIENT SEAT) IN 60-INCH VAULT	EACH	7
26	BUTTERFLY VALVE AND VALVE VAULT, 16-INCH (RESILIENT SEAT) IN 60-INCH VAULT	EACH	6
27	FIRE HYDRANT ASSEMBLY, 6-INCH MJ	EACH	16
28	DUCTILE IRON FITTINGS	LBS	11,484
29	WATER SERVICE CONNECTION (SHORT)	EACH	7
30	WATER SERVICE CONNECTION (LONG)	EACH	4
31	LINE STOP, 4-INCH	EACH	1
32	LINE STOP, 6-INCH	EACH	4
33	LINE STOP, 8-INCH	EACH	8
34	LINE STOP, 12-INCH	EACH	1
35	BORE AND JACK 24-INCH STEEL CASING PIPE 0.375-INCH WALL THICKNESS	FOOT	47
36	BORE AND JACK 30-INCH STEEL CASING PIPE 0.375-INCH WALL THICKNESS	FOOT	120
37	FOUNDATION MATERIAL	CU. YD.	425
38	TRENCH EXCAVATION	FOOT	125
39	ABANDON EXISTING WATERMAIN	EACH	14
40	FIRE HYDRANT TO BE REMOVED	EACH	4
41	VALVE VAULT TO BE REMOVED	EACH	3
42	VALVE BOX TO BE REMOVED	EACH	4
43	WATERMAIN TESTING - PRESSURE AND DISINFECTION	LUMP SUM	1
44	SANITARY SEWER SERVICE REPAIR	LUMP SUM	5
45	SANITARY SEWER REMOVAL AND REPLACEMENT, 6"	FOOT	50
46	SANITARY SEWER REMOVAL AND REPLACEMENT, 12"	FOOT	28
47	STORM SEWER REMOVAL AND REPLACEMENT, 8"	FOOT	67
48	STORM SEWER REMOVAL AND REPLACEMENT, 12"	FOOT	23
49	STORM SEWER REMOVAL AND REPLACEMENT, 15"	FOOT	47
50	STORM SEWER REMOVAL AND REPLACEMENT, 24"	FOOT	27
51	STORM SEWER REMOVAL AND REPLACEMENT, 30"	FOOT	28
52	CULVERT REMOVAL AND REPLACEMENT	FOOT	55
53	FES W/ GRATE, 12"	EACH	1
54	FES W/ GRATE, 15"	EACH	1
55	STORM CATCH BASIN REMOVAL AND REPLACEMENT	EACH	1
56	STORM MANHOLE, 48" DIA, TYPE A, TYPE 1 FRAME	EACH	1
57	CONNECTION TO EXISTING CATCH BASIN	EACH	1
58	STORM SEWERS, RCP, TYPE 1, CLASS IV W/ C-443 O-RING, 12"	FOOT	165
59	STORM SEWERS, C-900 PVC, 12"	FOOT	54
60	STORM SEWERS, RCP, TYPE 1, CLASS IV W/ C-443 O-RING, 15"	FOOT	300
61	COMBINATION CURB AND GUTTER REMOVAL	FOOT	35
62	CURB REMOVAL	FOOT	750
63	SIDEWALK REMOVAL	SQ. FT.	712
64	DRIVEWAY PAVEMENT REMOVAL	SQ.YD	233
65	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	35
66	CONCRETE CURB, TYPE B	FOOT	750
67	PORTLAND CEMENT CONCRETE SIDEWALK, 5-INCH	SQ. FT.	712
68	BITUMINOUS CONCRETE DRIVEWAY PAVEMENT	SQ. YD.	113
69	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6"	SQ. YD.	120
70	AGGREGATE SURFACE COURSE, TYPE B	SQ. YD.	259
71	AGGREGATE SHOULDERS, TYPE B	TON	67
72	PAVEMENT REPLACEMENT	SQ. YD.	1,617
73	RELOCATE MAILBOXES	EACH	5
74	RELOCATE SIGN PANEL ASSEMBLY	EACH	7
75	FENCE REMOVAL AND REPLACEMENT	FOOT	60
76	REMOVE AND REPLACE 6' X 6' WOODEN TRASH ENCLOSURE	LUMP SUM	1
77	TRAFFIC CONTROL	LUMP SUM	1
78	RESTORATION	LUMP SUM	1
79	WATERMAIN PROTECTION, 18" PVC	FOOT	42

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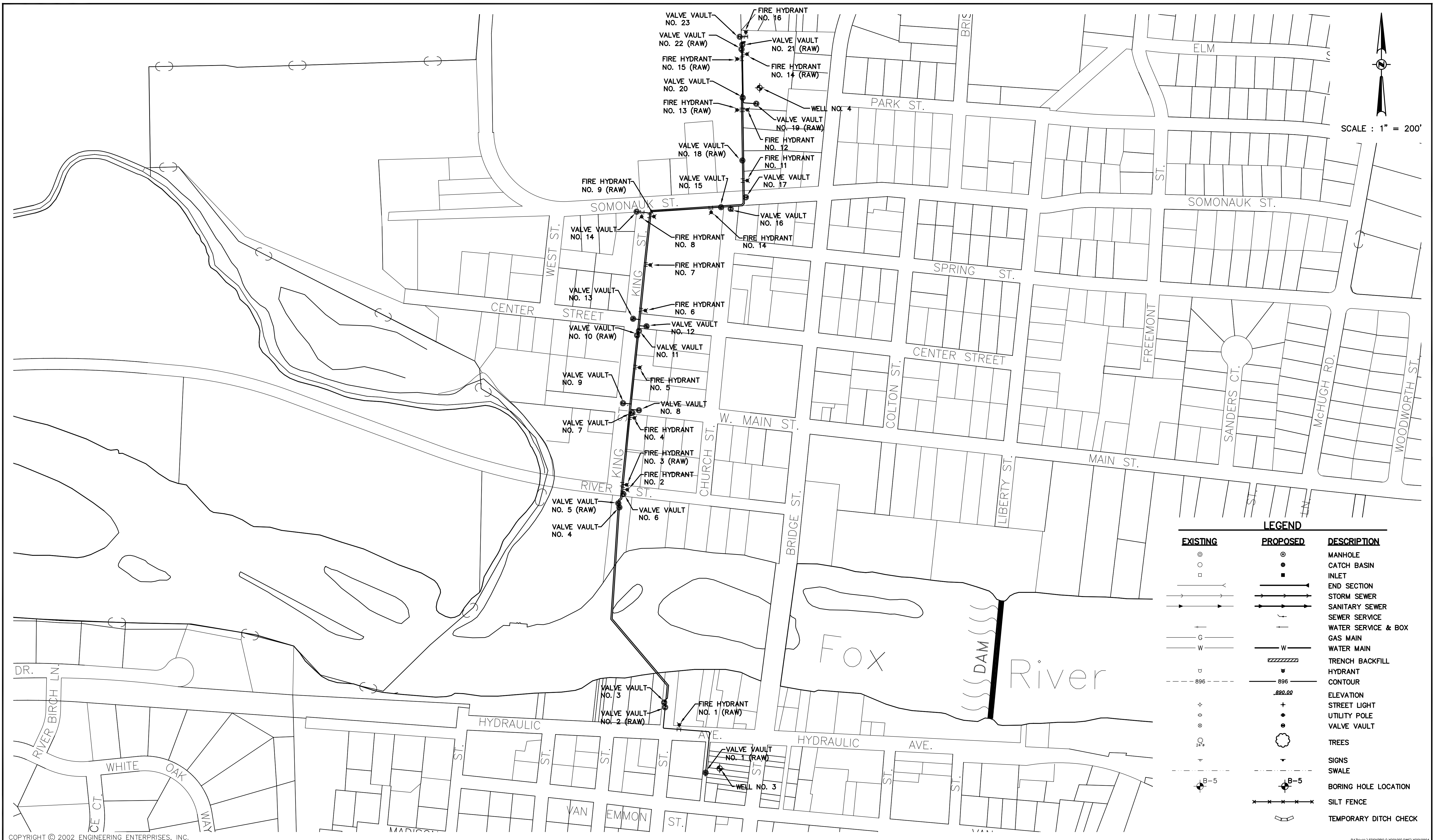
WATER WORKS SYSTEM IMPROVEMENTS
 United City of Yorkville
 Kendall County, Illinois

NO.	DATE	REVISIONS
1	6/16/05	REVISED QUANTITIES PER ADDENDUM #3

CONTRACT B.3
 WELL 3 AND 4 RAW WATER MAIN &
 KING STREET FINISHED WATER MAIN

**CONSTRUCTION SPECIFICATIONS,
 AND SUMMARY OF QUANTITIES**

DATE	MAY 2004
DWG. NO.	Y0010903
SHEET	2 OF 22



SCALE : 1" = 200'

LEGEND		DESCRIPTION
EXISTING	PROPOSED	
⊙	⊙	MANHOLE
○	○	CATCH BASIN
□	■	INLET
→	→	END SECTION
→	→	STORM SEWER
→	→	SANITARY SEWER
→	→	SEWER SERVICE
→	→	WATER SERVICE & BOX
→	→	GAS MAIN
→	→	WATER MAIN
→	→	TRENCH BACKFILL
⊙	⊙	HYDRANT
---	---	CONTOUR
896	896.00	ELEVATION
+	+	STREET LIGHT
⊙	⊙	UTILITY POLE
⊙	⊙	VALVE VAULT
⊙	⊙	TREES
+	+	SIGNS
---	---	SWALE
⊙	⊙	BORING HOLE LOCATION
---	---	SILT FENCE
---	---	TEMPORARY DITCH CHECK

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WATER WORKS SYSTEM IMPROVEMENTS		
United City of Yorkville Kendall County, Illinois		
NO.	DATE	REVISIONS
1	7/01/04	PER CITY REVIEW

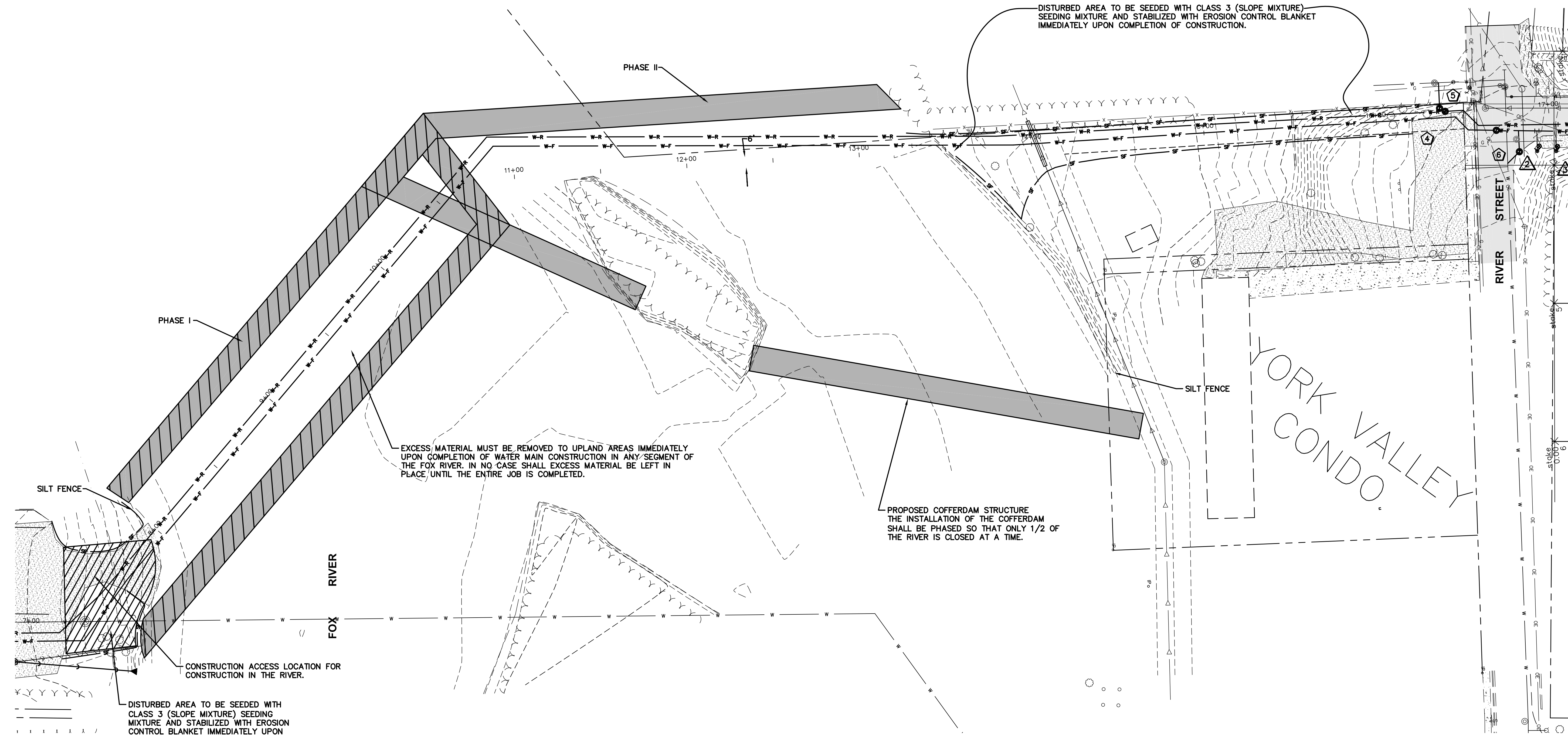
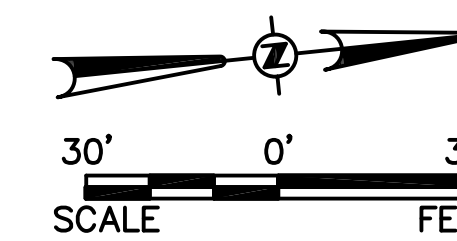
CONTRACT B.3
 WELL 3 AND 4 RAW WATER MAIN &
 KING STREET FINISHED WATER MAIN

GENERAL PLAN AND LEGEND
RECORD DRAWING:
 NOVEMBER 8, 2007

DATE MAY 2004
 DWG. NO. Y0010904

RECORDED INFORMATION IS INDICATED IN ITALICS

SHEET **3** OF **22**



DISTURBED AREA TO BE SEEDED WITH CLASS 3 (SLOPE MIXTURE) SEEDING MIXTURE AND STABILIZED WITH EROSION CONTROL BLANKET IMMEDIATELY UPON COMPLETION OF CONSTRUCTION.

EXCESS MATERIAL MUST BE REMOVED TO UPLAND AREAS IMMEDIATELY UPON COMPLETION OF WATER MAIN CONSTRUCTION IN ANY SEGMENT OF THE FOX RIVER. IN NO CASE SHALL EXCESS MATERIAL BE LEFT IN PLACE UNTIL THE ENTIRE JOB IS COMPLETED.

PROPOSED COFFERDAM STRUCTURE THE INSTALLATION OF THE COFFERDAM SHALL BE PHASED SO THAT ONLY 1/2 OF THE RIVER IS CLOSED AT A TIME.

DISTURBED AREA TO BE SEEDED WITH CLASS 3 (SLOPE MIXTURE) SEEDING MIXTURE AND STABILIZED WITH EROSION CONTROL BLANKET IMMEDIATELY UPON COMPLETION OF CONSTRUCTION.

CONSTRUCTION ACCESS LOCATION FOR CONSTRUCTION IN THE RIVER.

- NOTES:
1. THE CONTRACTOR MAY DEWATER THE AREA BEHIND THE COFFERDAM STRUCTURE AND DISCHARGE DIRECTLY INTO THE FOX RIVER TO A DEPTH OF TWO FEET. THE FINAL TWO FEET MUST BE DEWATERED WITH THE USE OF A SEDIMENTATION BASIN. THE SEDIMENTATION BASIN SHALL BE CONSTRUCTED AND APPROVED BY THE ENGINEER PRIOR TO DEWATERING OPERATIONS BEGINNING. ALTERNATIVELY THE CONTRACTOR MAY USE DEWATERING BAGS AND PIPE SOCKS DETAILED ON SHEET NO. 20.
 2. THE CONTRACTOR SHALL INSPECT THE COFFERDAM STRUCTURE ON A WEEKLY BASIS AND AFTER RAINFALLS OF 1/2" OR GREATER TO ENSURE ITS INTEGRITY.
 3. WATER MAIN TO BE CONSTRUCTED IN THE RIVER SHALL BE ENCASED IN CONCRETE. SEE DETAIL ON SHEET 21.

**RECORD DRAWING:
NOVEMBER 8, 2007**

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WATER WORKS SYSTEM IMPROVEMENTS
 United City of Yorkville
 Kendall County, Illinois

1	7/01/04	PER CITY REVIEW
NO.	DATE	REVISIONS

CONTRACT B.3
 WELL 3 AND 4 RAW WATER MAIN &
 KING STREET FINISHED WATER MAIN

SOIL EROSION AND SEDIMENTATION CONTROL PLAN

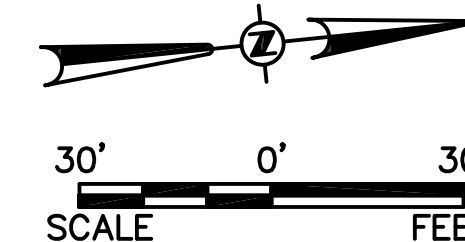
DATE MAY 2004
 DWG. NO. Y0010909

SHEET **4** OF **22**

UNITED CITY OF YORKVILLE
KENDALL COUNTY, ILLINOIS
WATER MAIN IMPROVEMENTS



KEY MAP



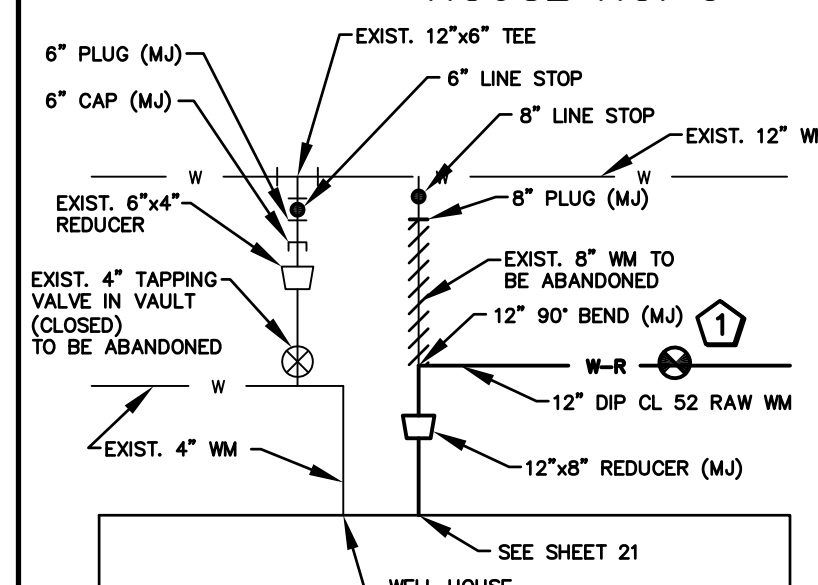
NOTE:

1. THE RAW WATER MAIN SHALL HAVE A BURIED TAPE PLACED ABOVE IT IN THE TRENCH IDENTIFYING IT AS A RAW WATER MAIN.
2. FIRE HYDRANTS SERVICED OFF OF THE RAW WATER MAIN SHALL BE LIGHT BLUE IN COLOR.
3. ALL FIRE HYDRANTS BURY ELEVATIONS AND VALVE VAULT RIM ELEVATIONS ARE APPROXIMATE. ALL BURY ELEVATION SHOULD MATCH EXISTING GRADE WITH 5.5 FEET OF COVER OVER PROPOSED WATER MAIN.

WATER MAIN SCHEDULE

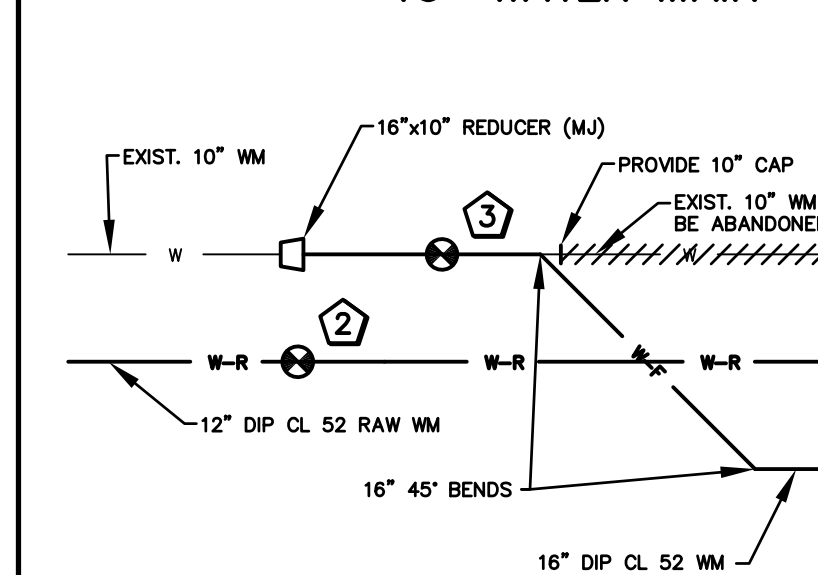
- ① VALVE VAULT NO. 1
12" GATE VALVE
IN 60" VAULT
RIM = ~~587.47~~ 587.80
- ② VALVE VAULT NO. 2
12" GATE VALVE
(W/ PERMANENT TAPS)
IN 60" VAULT
RIM = ~~577.74~~ 577.47
- ③ VALVE VAULT NO. 3
16" BUTTERFLY VALVE
(W/ PERMANENT TAPS)
IN 60" VAULT
RIM = ~~577.22~~ 575.76
- ▲ FIRE HYDRANT NO. 1 (RAW)
W/ 12"x12"x6" TEE (MJ)
AND 6" AUXILIARY VALVE
BURY ELEV. = ~~583.47~~ 583.28

DETAIL A CONNECTION TO WELL HOUSE NO. 3



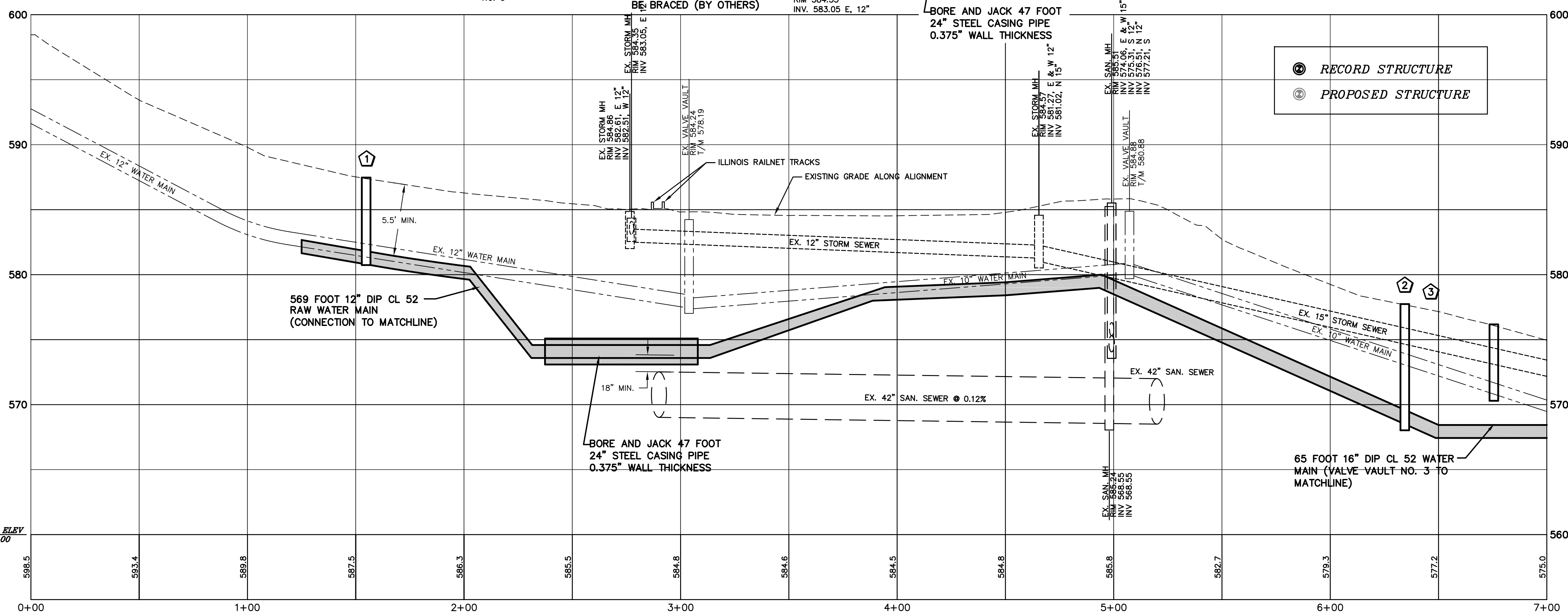
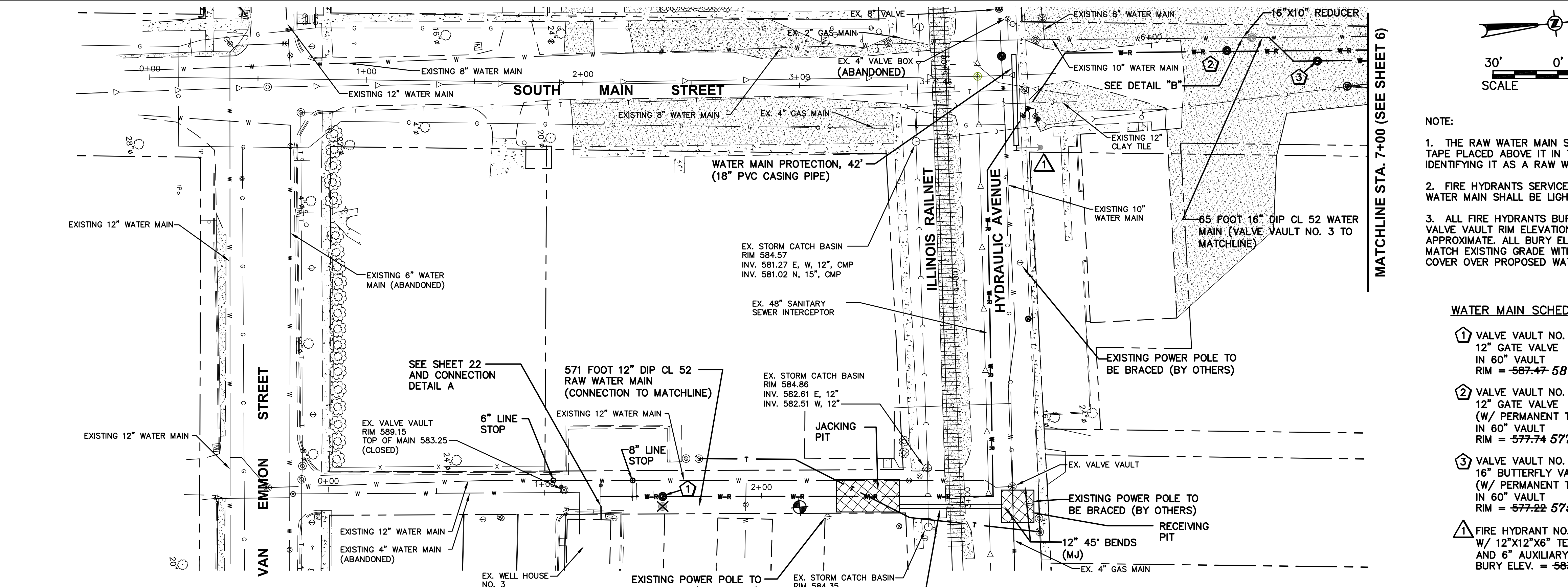
NOTE: CONTRACTOR SHALL PROVIDE DISINFECTION ACCORDANCE WITH IEPA REQUIREMENTS AND AWWA STD 651 SECTION 10 (REFER TO SHEET 2)

DETAIL B CONNECTION TO EXISTING 10" WATER MAIN



NOTE: CONTRACTOR SHALL PROVIDE DISINFECTION ACCORDANCE WITH IEPA REQUIREMENTS AND AWWA STD 651 SECTION 10 (REFER TO SHEET 2)

MATCHLINE STA. 7+00 (SEE SHEET 6)



RECORD DRAWING:
NOVEMBER 8, 2007

SCALE:
HORZ. 1" = 30'
VERT. 1" = 5'

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WATER WORKS SYSTEM IMPROVEMENTS
United City of Yorkville
Kendall County, Illinois

1	7/01/04	PER CITY REVIEW
2	3/30/05	PER IEPA REVIEW
NO.	DATE	REVISIONS

CONTRACT B.3
WELL 3 AND 4 RAW WATER MAIN &
KING STREET FINISHED WATER MAIN

HYDRAULIC AVE. PLAN & PROFILE
STA. 0+00 TO STA. 7+00

DATE MAY 2004
DWG. NO. Y0010914

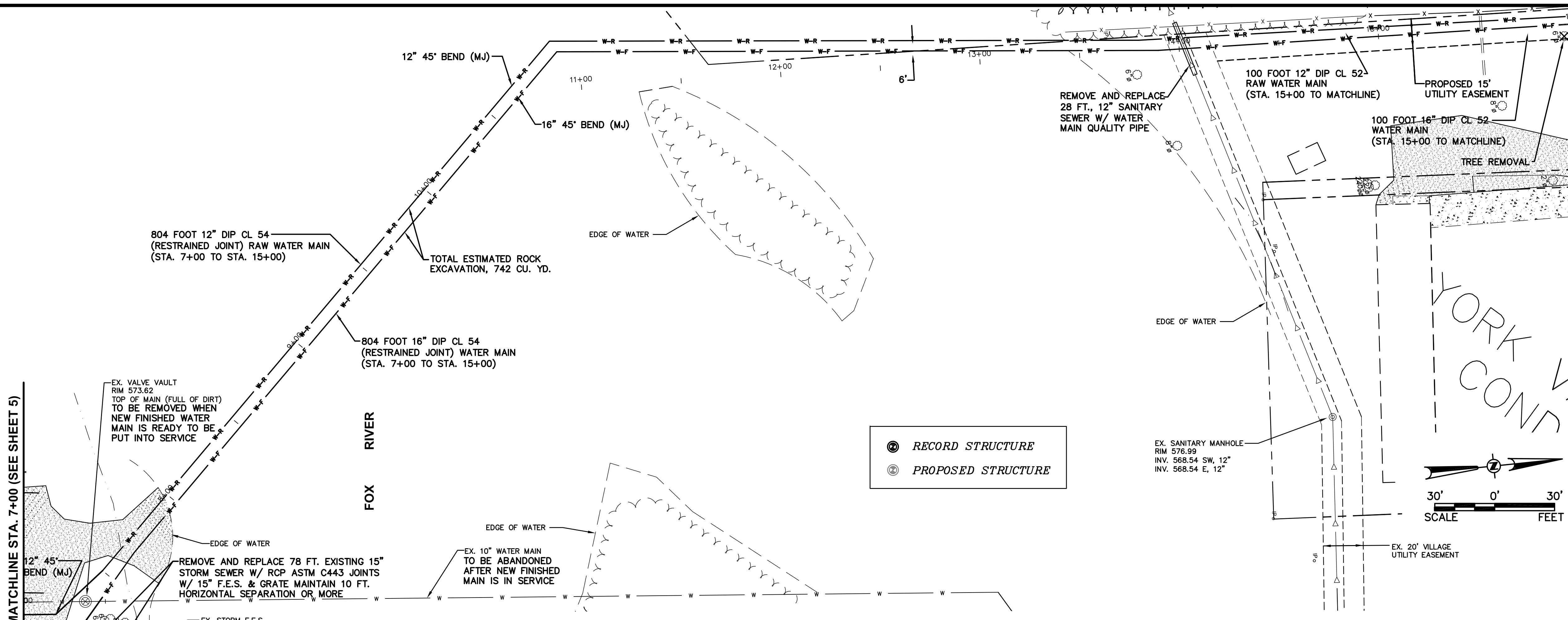
SHEET 5 OF 22

UNITED CITY OF YORKVILLE
KENDALL COUNTY, ILLINOIS
WATER MAIN IMPROVEMENTS

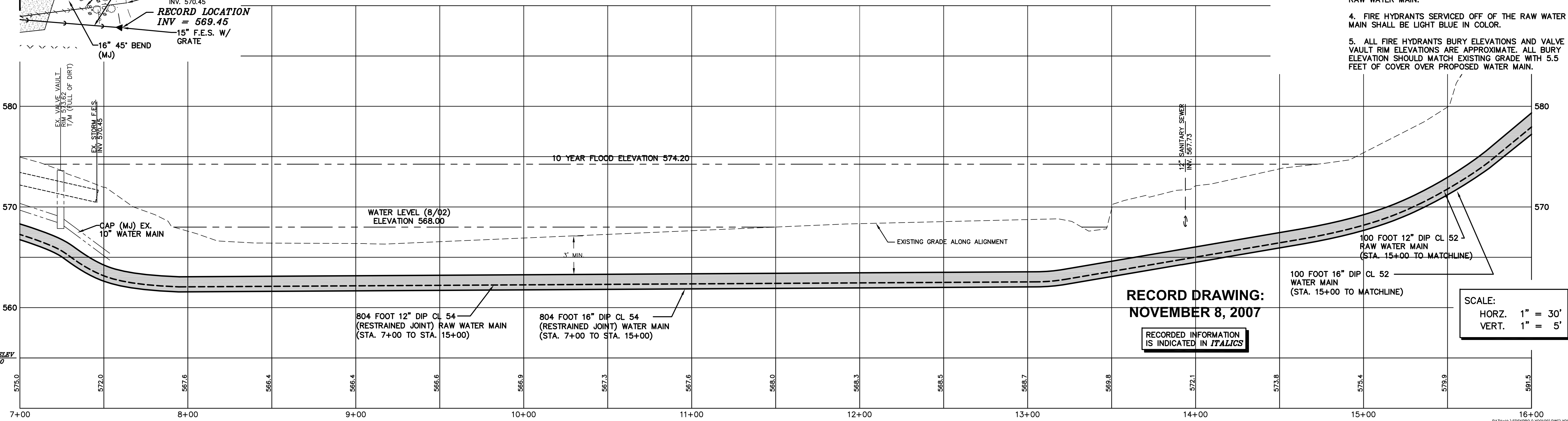


KEY MAP

MATCHLINE STA. 16+00 (SEE SHEET 7)



- NOTE:
1. THE METHOD OF CONSTRUCTION FOR THE RIVER CROSSING SHALL BE COFFERDAMMING. THIS METHOD CONSISTS OF CONSTRUCTING A COFFERDAM TO DIVERT FLOW FROM THE WORK AREA AND ALLOW TRENCHING BY CONVENTIONAL METHODS. THE RECOMMENDED METHOD OF COFFERDAMMING IS CONSTRUCTION OF A FRAME WORK STRUCTURE OF PORTABLE AND FREE STANDING MATERIAL INSTALLED ON A TEMPORARY BASIS FOR THE PURPOSE OF DIVERTING WATER FLOW AND ALLOWING ACCESS TO THE RIVER BED. THE INSTALLATION OF THE COFFERDAM SHALL BE PHASED SO THAT ONLY 1/2 OF THE RIVER IS CLOSED AT ONE TIME. (SEE SPECIAL PROVISIONS FOR FURTHER DETAIL).
 2. ALL WATER MAIN FROM STA. 7+00 TO STA. 15+00 SHALL BE ENCASED IN CONCRETE PER THE DETAIL ON SHEET 18.
 3. THE RAW WATER MAIN SHALL HAVE A BURIED TAPE PLACED ABOVE IT IN THE TRENCH IDENTIFYING IT AS A RAW WATER MAIN.
 4. FIRE HYDRANTS SERVICED OFF OF THE RAW WATER MAIN SHALL BE LIGHT BLUE IN COLOR.
 5. ALL FIRE HYDRANTS BURY ELEVATIONS AND VALVE VAULT RIM ELEVATIONS ARE APPROXIMATE. ALL BURY ELEVATION SHOULD MATCH EXISTING GRADE WITH 5.5 FEET OF COVER OVER PROPOSED WATER MAIN.



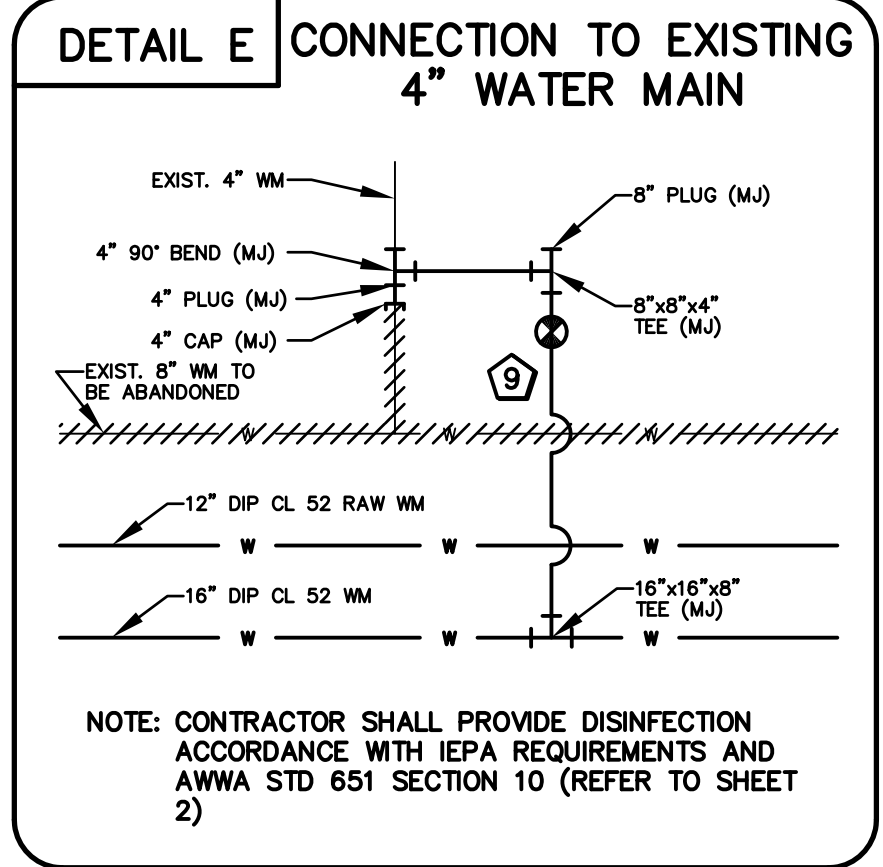
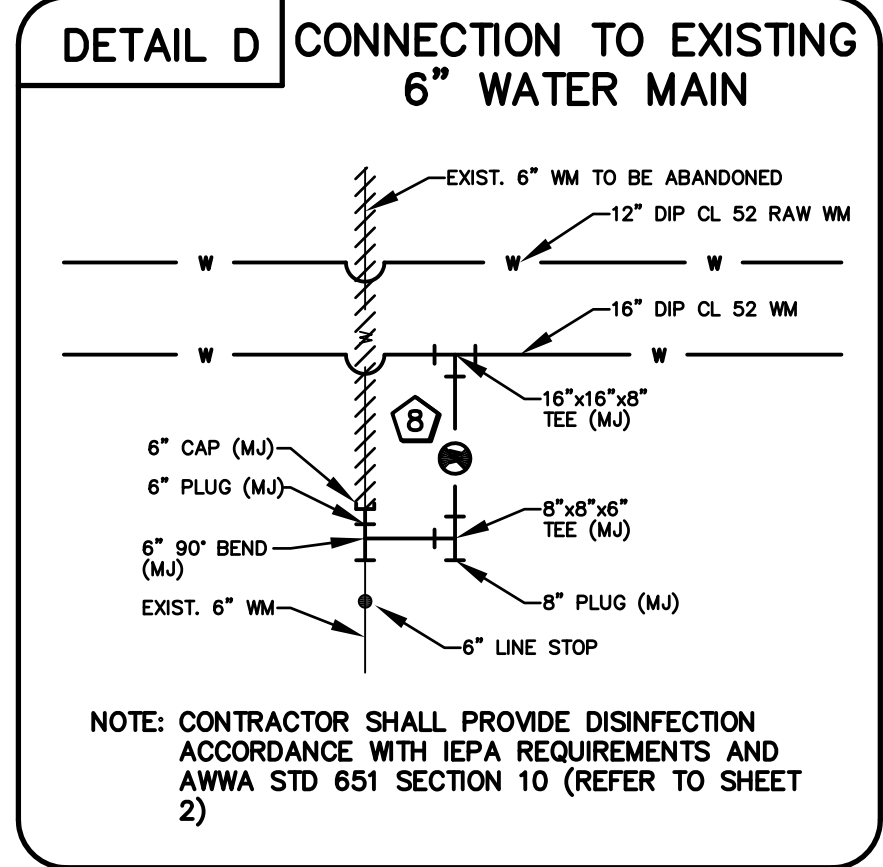
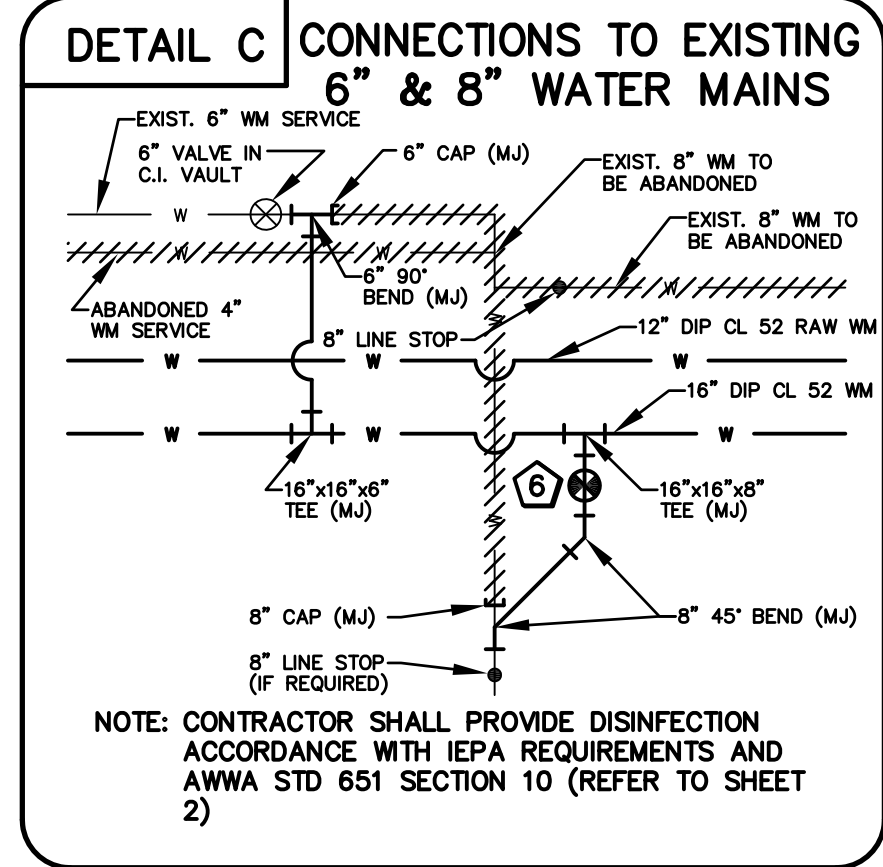
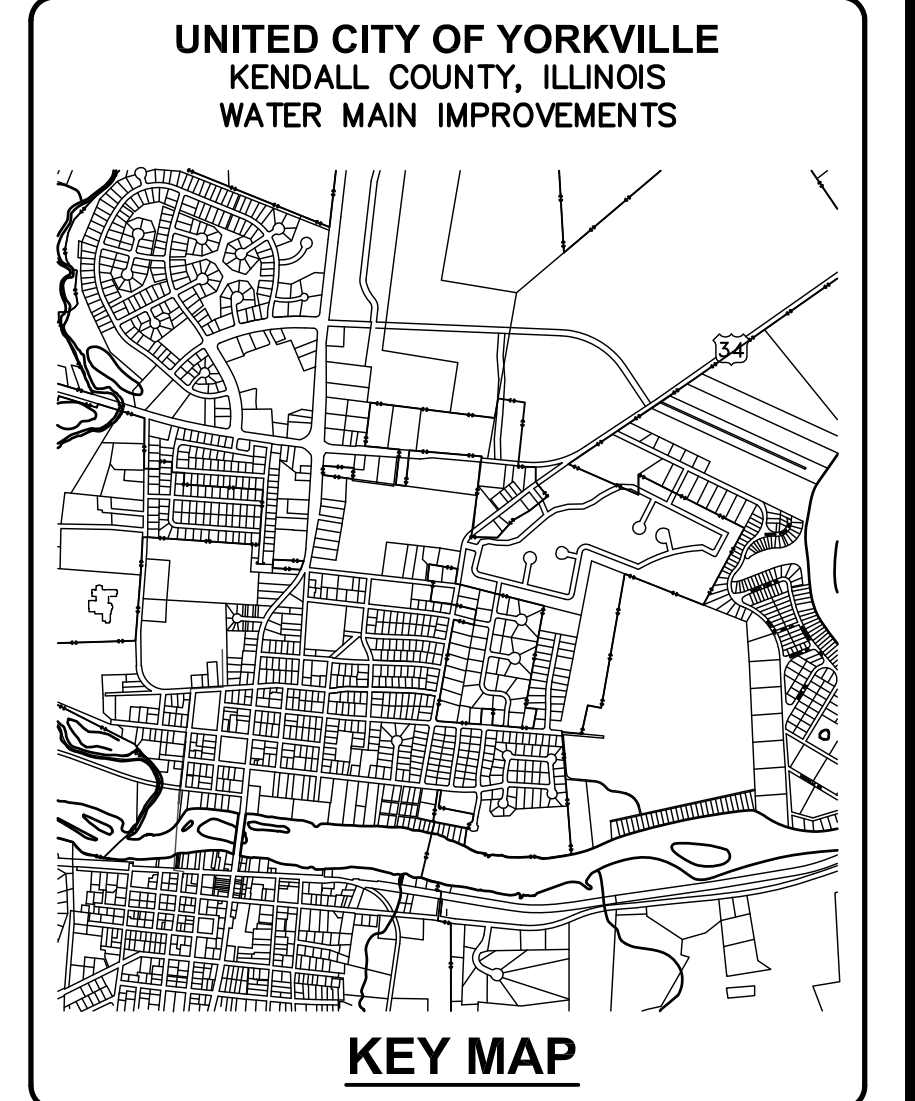
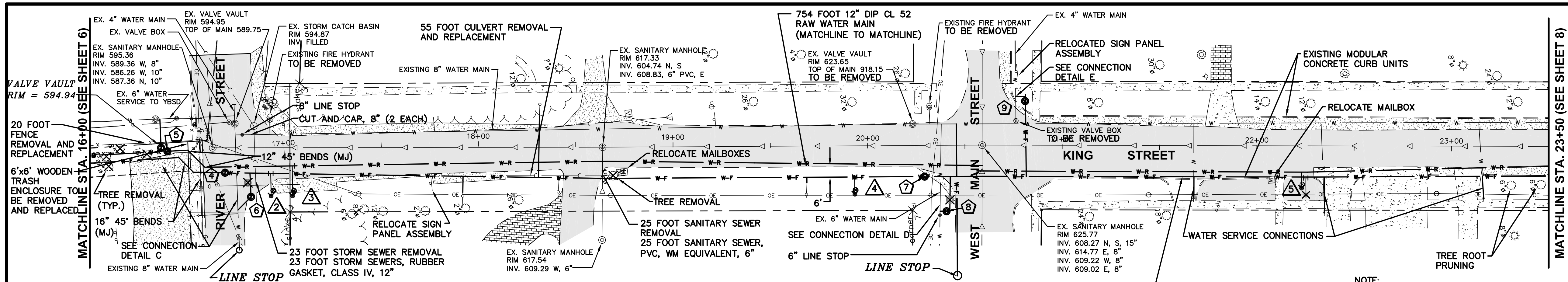
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WATER WORKS SYSTEM IMPROVEMENTS		
United City of Yorkville Kendall County, Illinois		
1	7/01/04	PER CITY REVIEW
2	3/30/05	PER IEPA REVIEW
NO.	DATE	REVISIONS

CONTRACT B.3
WELL 3 AND 4 RAW WATER MAIN &
KING STREET FINISHED WATER MAIN

FOX RIVER PLAN & PROFILE
STA. 7+00 TO STA. 16+00

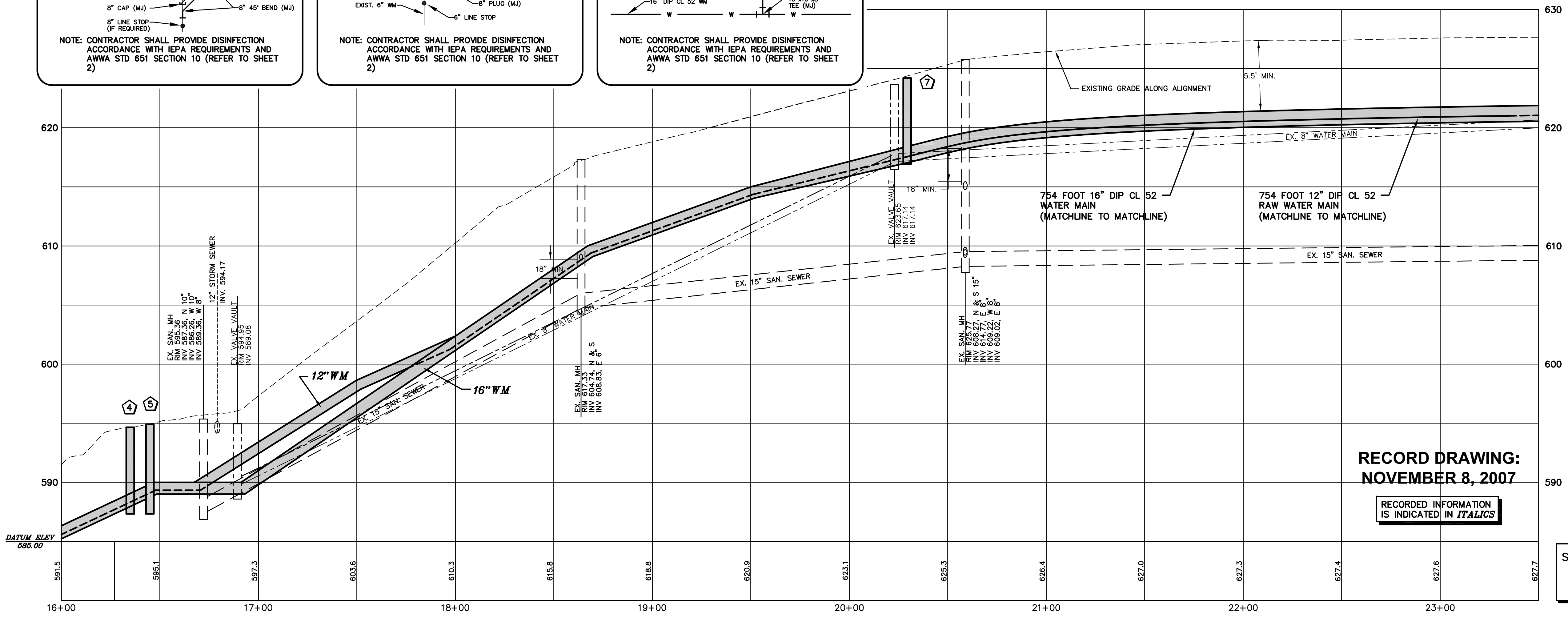
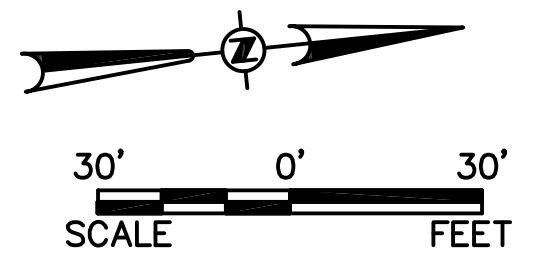
DATE MAY 2004
DWG. NO. Y0010905
SHEET **6** OF **22**



RECORD STRUCTURE
 PROPOSED STRUCTURE

NOTE:

1. THE RAW WATER MAIN SHALL HAVE A BURIED TAPE PLACED ABOVE IT IN THE TRENCH IDENTIFYING IT AS A RAW WATER MAIN.
2. FIRE HYDRANTS SERVICED OFF OF THE RAW WATER MAIN SHALL BE LIGHT BLUE IN COLOR.
3. ALL FIRE HYDRANTS BURY ELEVATIONS AND VALVE VAULT RIM ELEVATIONS ARE APPROXIMATE. ALL BURY ELEVATION SHOULD MATCH EXISTING GRADE WITH 5.5 FEET OF COVER OVER PROPOSED WATER MAIN.



WATER MAIN SCHEDULE

- 4 VALVE VAULT NO. 4
16" BUTTERFLY VALVE
(W/ PERMANENT TAPS)
IN 60" VAULT
RIM = ~~594.75~~ 596.59
- 5 VALVE VAULT NO. 5
12" GATE VALVE
(W/ PERMANENT TAPS)
IN 60" VAULT
RIM = ~~594.74~~ 595.02
- 6 VALVE VAULT NO. 6
8" GATE VALVE
IN 48" VAULT
RIM = ~~596.45~~ 596.97
- 7 VALVE VAULT NO. 7
16" BUTTERFLY VALVE
IN 60" VAULT
RIM = ~~624.20~~ 624.32
- 8 VALVE VAULT NO. 8
8" GATE VALVE
IN 48" VAULT
RIM = ~~624.91~~ 625.30
- 9 VALVE VAULT NO. 9
8" GATE VALVE
IN 48" VAULT
RIM = ~~626.34~~ 626.39
- 2 FIRE HYDRANT NO. 2
W/ 16"x16"x6" TEE (MJ)
AND 6" AUXILIARY VALVE
BURY ELEV. = ~~597.06~~ 597.50
- 3 FIRE HYDRANT NO. 3 (RAW)
W/ 12"x12"x6" TEE (MJ)
AND 6" AUXILIARY VALVE
BURY ELEV. = ~~598.74~~ 598.80
- 4 FIRE HYDRANT NO. 4
W/ 16"x16"x6" TEE (MJ)
AND 6" AUXILIARY VALVE
BURY ELEV. = ~~623.93~~ 622.87
- 5 FIRE HYDRANT NO. 5
W/ 16"x16"x6" TEE (MJ)
AND 6" AUXILIARY VALVE
BURY ELEV. = ~~627.62~~ 628.08

**RECORD DRAWING:
NOVEMBER 8, 2007**

RECORDED INFORMATION
IS INDICATED IN *ITALICS*

SCALE:
HORZ. 1" = 30'
VERT. 1" = 5'

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WATER WORKS SYSTEM IMPROVEMENTS
United City of Yorkville
Kendall County, Illinois

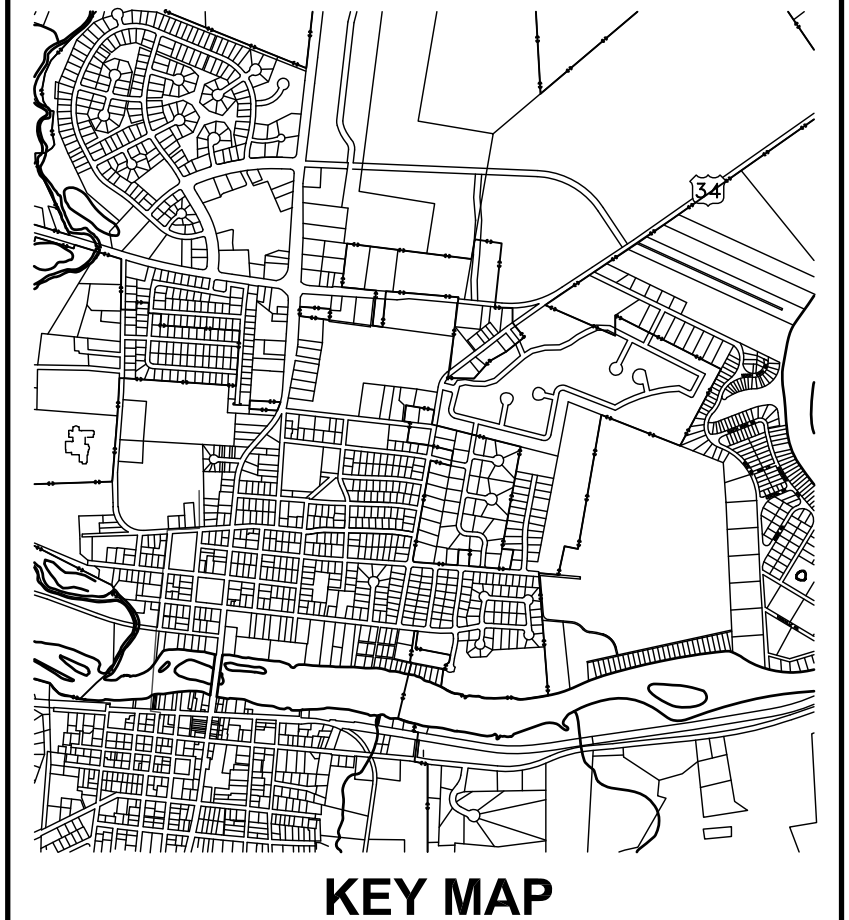
1	7/01/04	PER CITY REVIEW
NO.	DATE	REVISIONS

CONTRACT B.3
WELL 3 AND 4 RAW WATER MAIN &
KING STREET FINISHED WATER MAIN

KING STREET PLAN & PROFILE
STA. 16+00 TO STA. 23+50

DATE MAY 2004
DWG. NO. Y0010905
SHEET 7 OF 22

UNITED CITY OF YORKVILLE
KENDALL COUNTY, ILLINOIS
WATER MAIN IMPROVEMENTS



NOTE:

1. THE RAW WATER MAIN SHALL HAVE A BURIED TAPE PLACED ABOVE IT IN THE TRENCH IDENTIFYING IT AS A RAW WATER MAIN.
2. FIRE HYDRANTS SERVICED OFF OF THE RAW WATER MAIN SHALL BE LIGHT BLUE IN COLOR.
3. ALL FIRE HYDRANTS BURY ELEVATIONS AND VALVE VAULT RIM ELEVATIONS ARE APPROXIMATE. ALL BURY ELEVATION SHOULD MATCH EXISTING GRADE WITH 5.5 FEET OF COVER OVER PROPOSED WATER MAIN.
4. PROPOSED WATER MAINS ON SOMONAUK STREET SHALL HAVE A MINIMUM COVER OF 6.5 FEET.

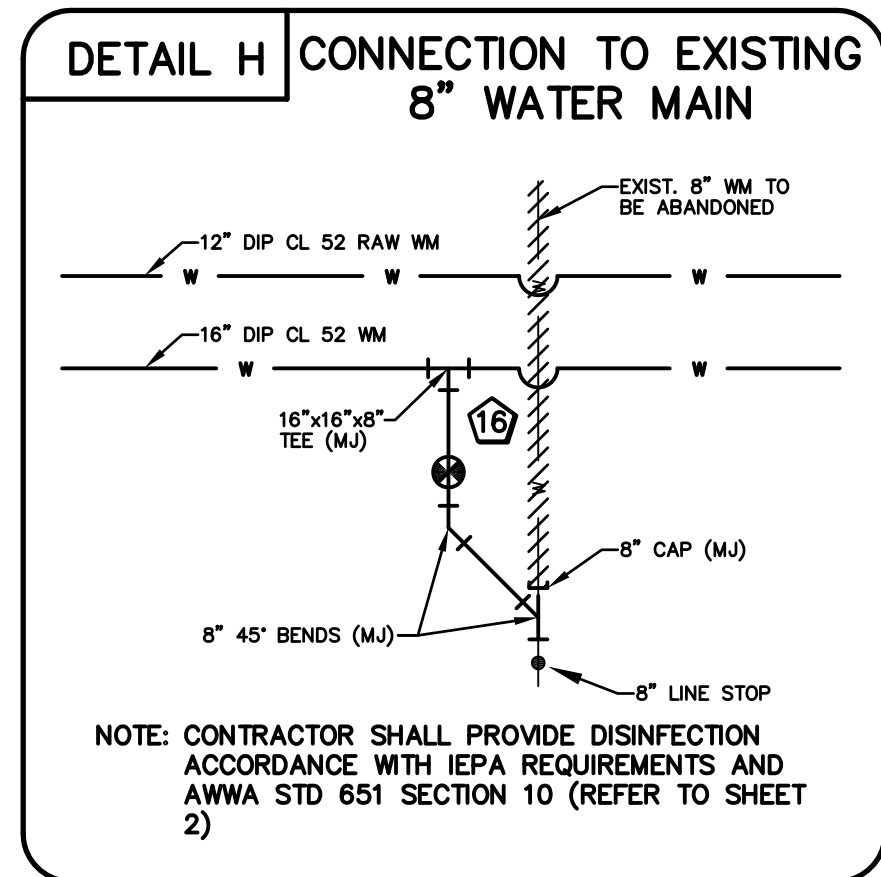
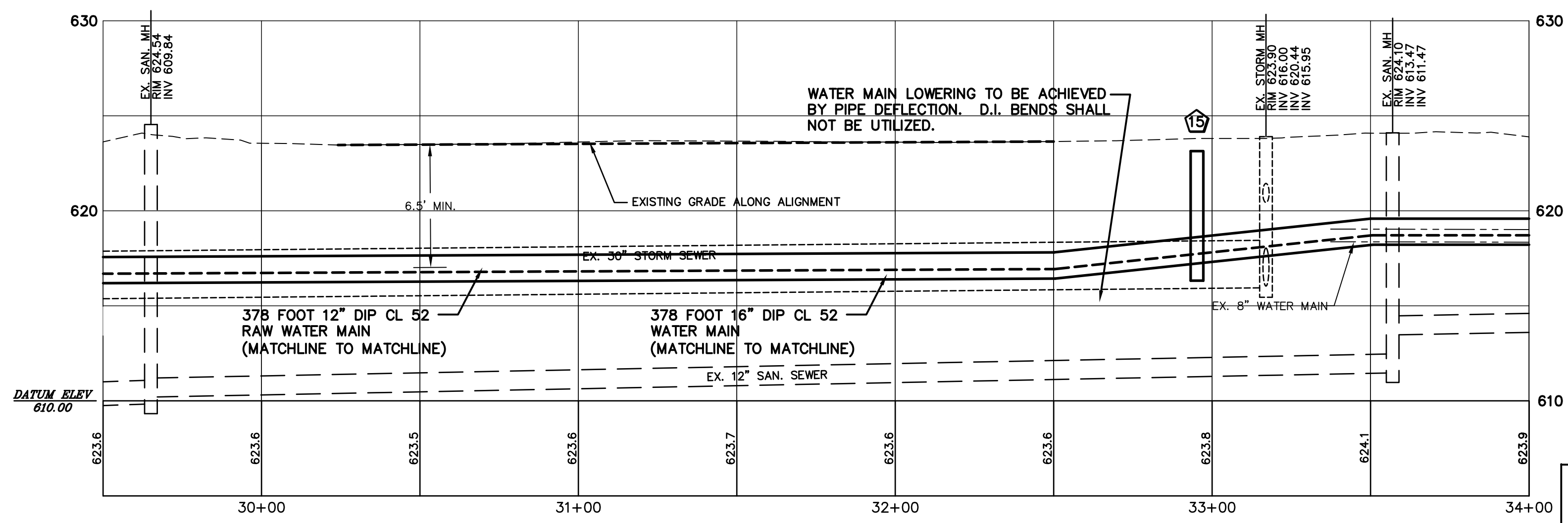
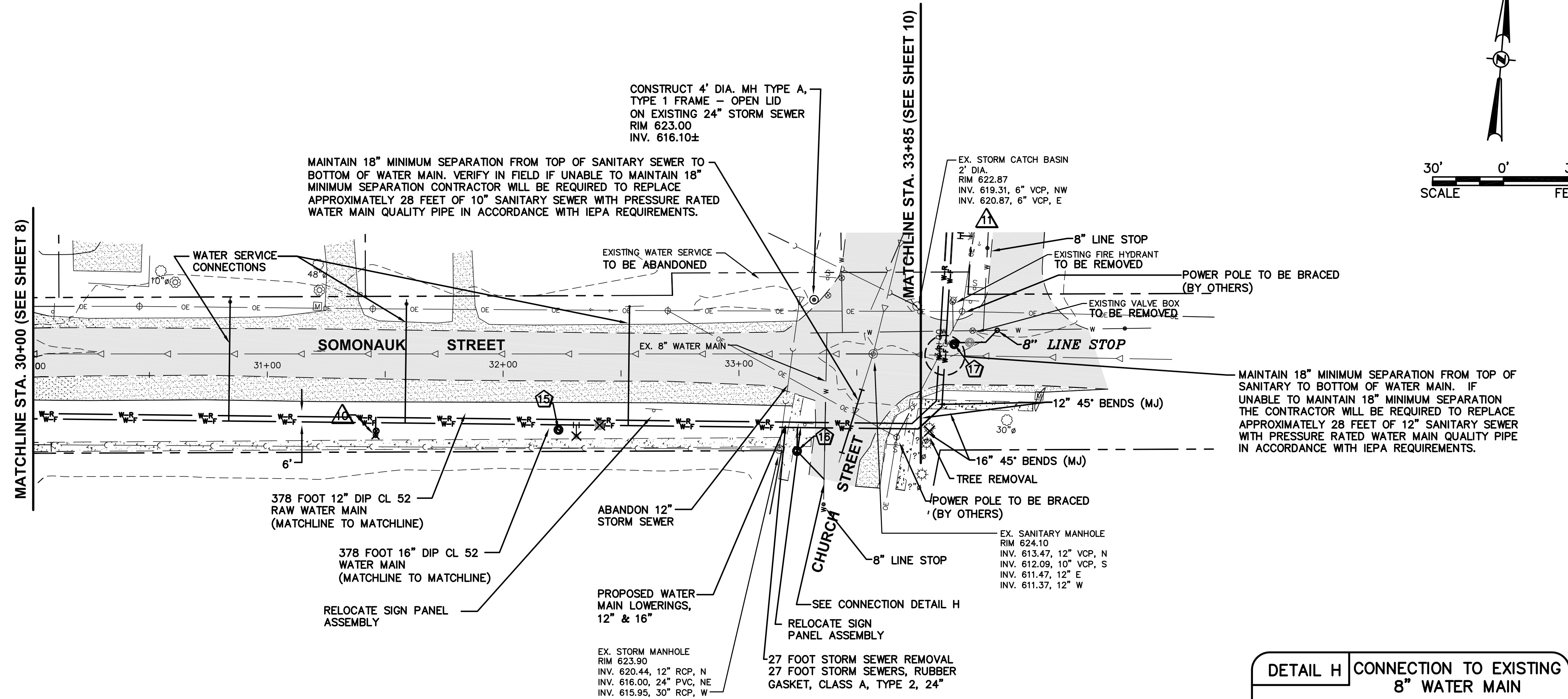
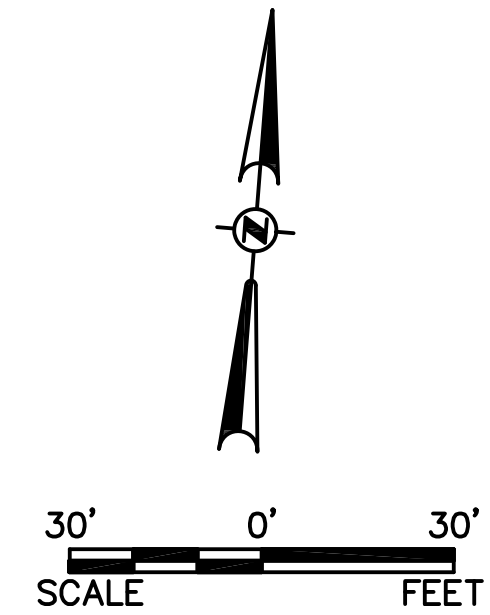
WATER MAIN SCHEDULE

- 15 VALVE VAULT NO. 15
16" BUTTERFLY VALVE
IN 60" VAULT
RIM = ~~623.70~~ 623.70
- 16 VALVE VAULT NO. 16
8" GATE VALVE
IN 48" VAULT
RIM = ~~623.70~~ 624.01
- 10 FIRE HYDRANT NO. 10
W/ 16"x16"x6" TEE (MJ)
AND 6" AUXILIARY VALVE
BURY ELEV. = ~~623.85~~
624.15

- ⊕ RECORD STRUCTURE
- ⊙ PROPOSED STRUCTURE

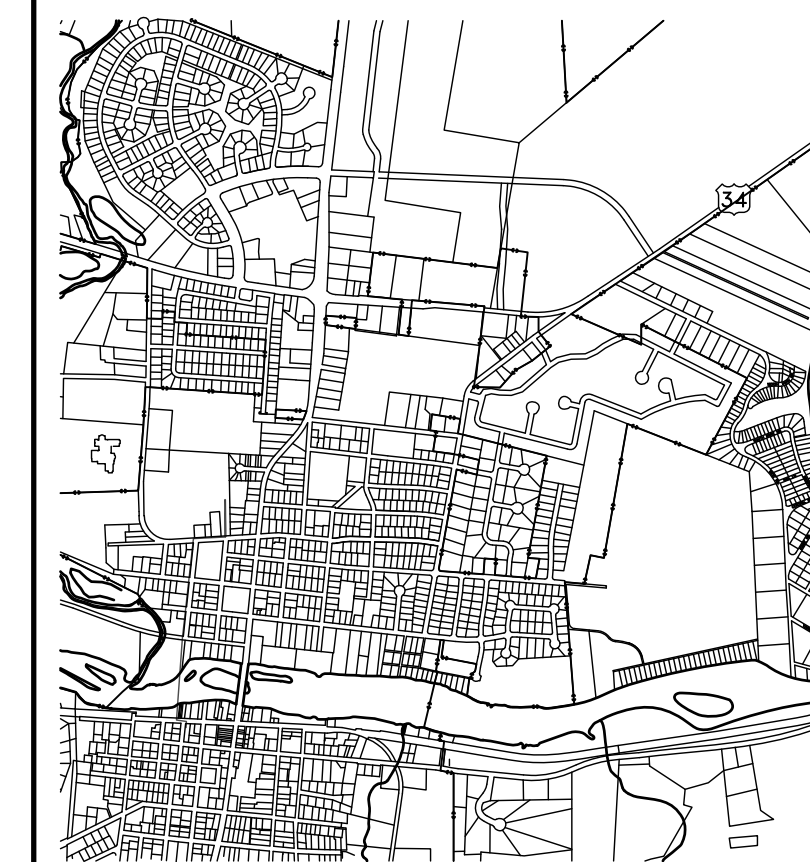
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NOVEMBER 8, 2007

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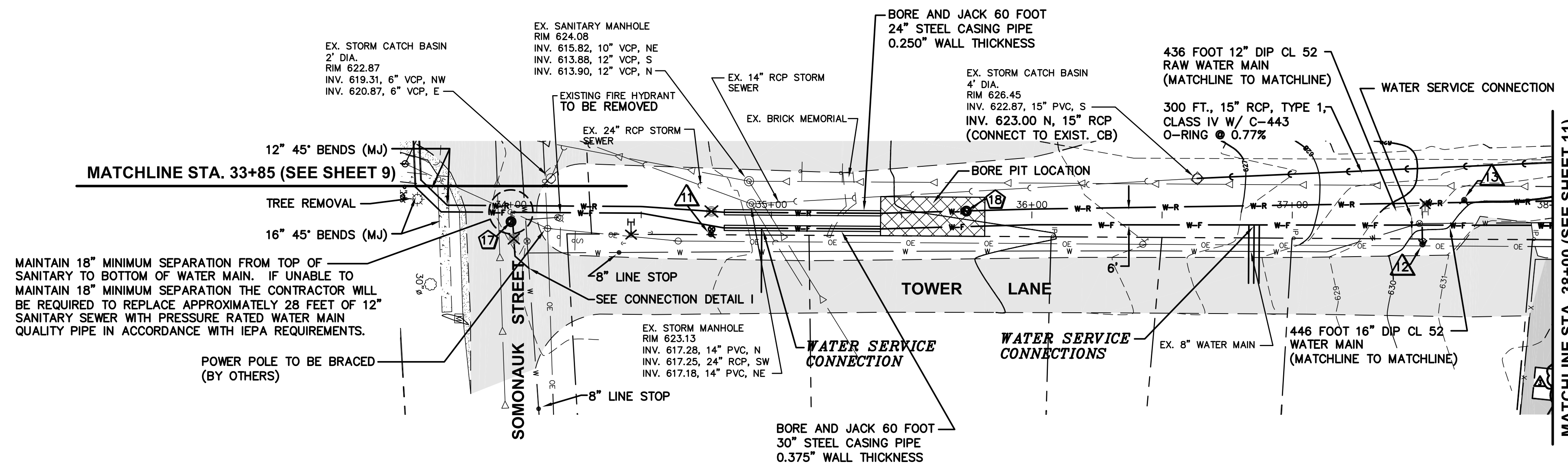
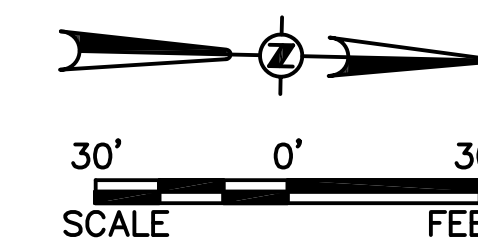


SCALE:
HORZ. 1" = 30'
VERT. 1" = 5'

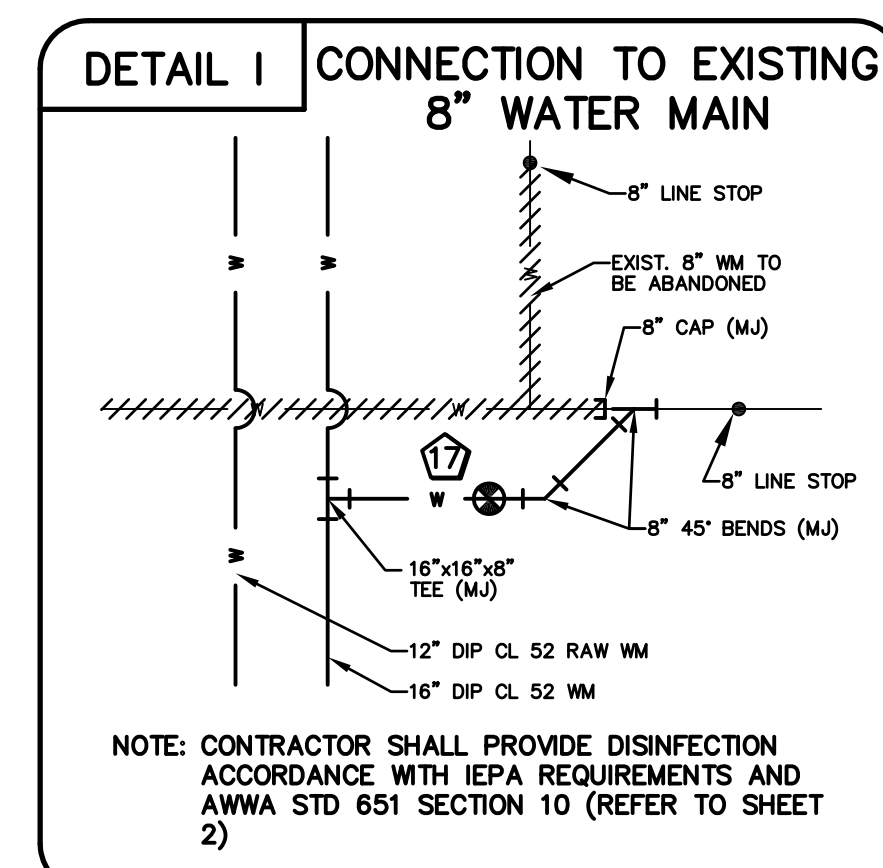
NO.	DATE	REVISIONS
1	7/01/04	PER CITY REVIEW
2	3/30/05	PER IEPA REVIEW



KEY MAP



MAINTAIN 18" MINIMUM SEPARATION FROM TOP OF SANITARY TO BOTTOM OF WATER MAIN. IF UNABLE TO MAINTAIN 18" MINIMUM SEPARATION THE CONTRACTOR WILL BE REQUIRED TO REPLACE APPROXIMATELY 28 FEET OF 12" SANITARY SEWER WITH PRESSURE RATED WATER MAIN QUALITY PIPE IN ACCORDANCE WITH IEPA REQUIREMENTS.



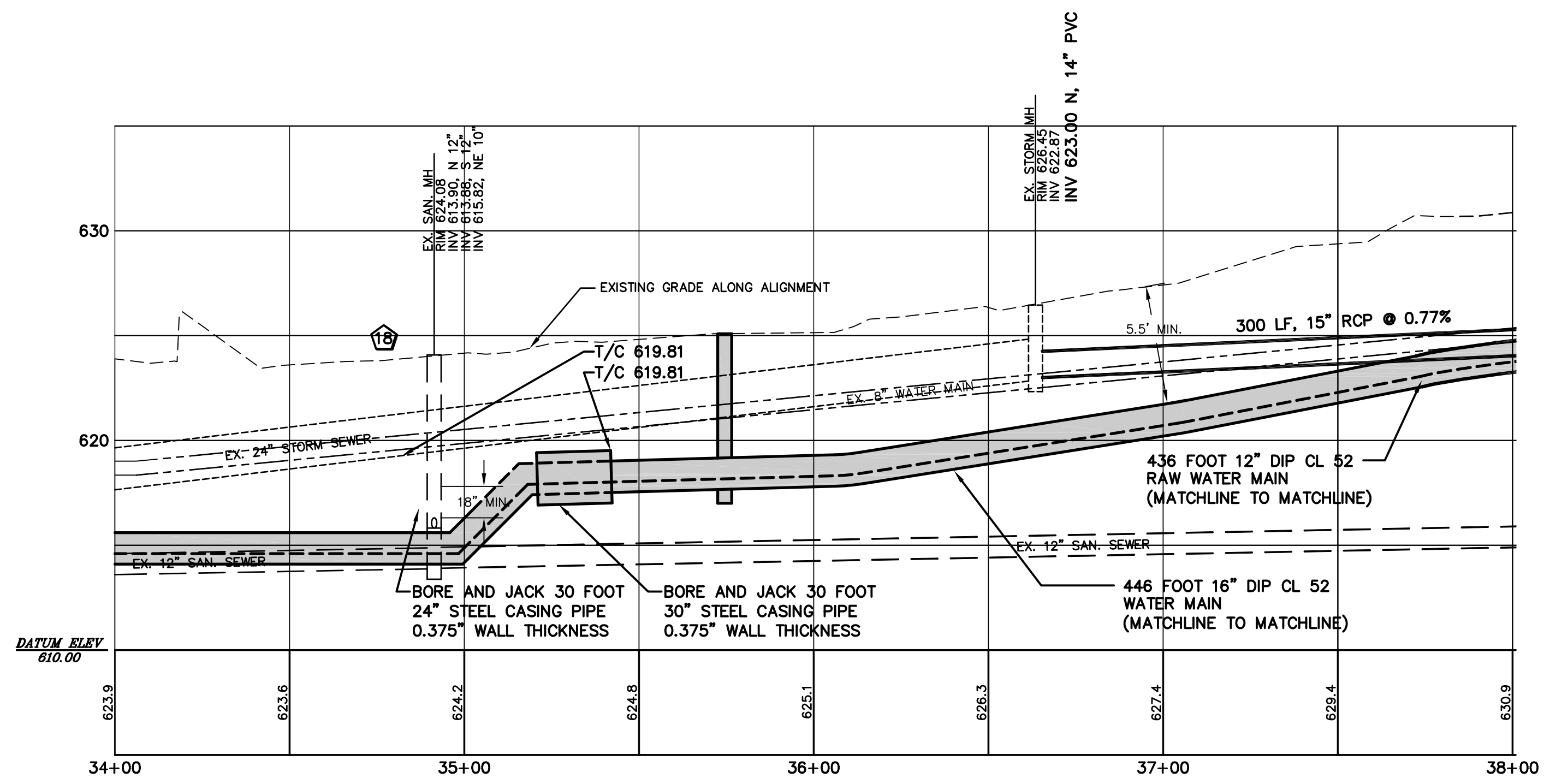
WATER MAIN SCHEDULE

- 17 VALVE VAULT NO. 17
8" GATE VALVE
IN 48" VAULT
RIM = ~~623.97~~ **624.15**
- 18 VALVE VAULT NO. 18
12" GATE VALVE
IN 60" VAULT
RIM = ~~623.98~~ **624.75**
- 11 FIRE HYDRANT NO. 11
W/ 16"x16"x6" TEE (MJ)
AND 6" AUXILIARY VALVE
BURY ELEV. = ~~624.44~~ **623.85**
- 12 FIRE HYDRANT NO. 12
W/ 16"x16"x6" TEE (MJ)
AND 6" AUXILIARY VALVE
BURY ELEV. = ~~636.19~~ **630.91**
- 13 FIRE HYDRANT NO. 13 (RAW)
W/ 12"x12"x6" TEE (MJ)
AND 6" AUXILIARY VALVE
BURY ELEV. = ~~628.94~~ **630.00**

NOTE: CONTRACTOR SHALL PROVIDE DISINFECTION ACCORDANCE WITH IEPA REQUIREMENTS AND AWWA STD 651 SECTION 10 (REFER TO SHEET 2)

NOTE:

1. THE RAW WATER MAIN SHALL HAVE A BURIED TAPE PLACED ABOVE IT IN THE TRENCH IDENTIFYING IT AS A RAW WATER MAIN.
2. FIRE HYDRANTS SERVICED OFF OF THE RAW WATER MAIN SHALL BE LIGHT BLUE IN COLOR.
3. ALL FIRE HYDRANTS BURY ELEVATIONS AND VALVE VAULT RIM ELEVATIONS ARE APPROXIMATE. ALL BURY ELEVATION SHOULD MATCH EXISTING GRADE WITH 5.5 FEET OF COVER OVER PROPOSED WATER MAIN.



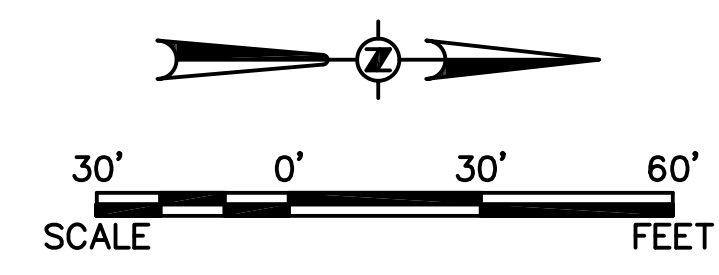
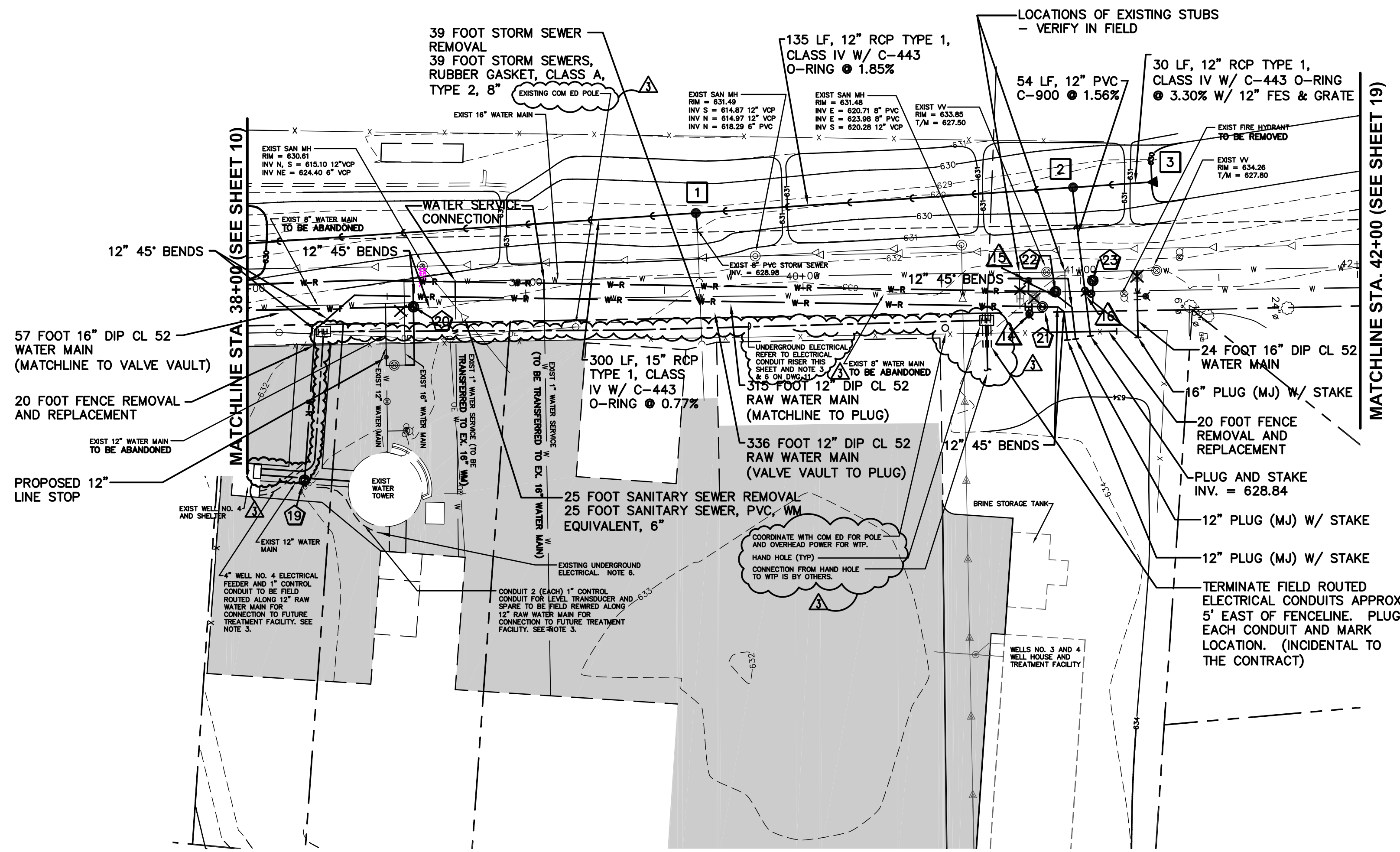
⊙ RECORD STRUCTURE
⊗ PROPOSED STRUCTURE

RECORD DRAWING:
NOVEMBER 8, 2007

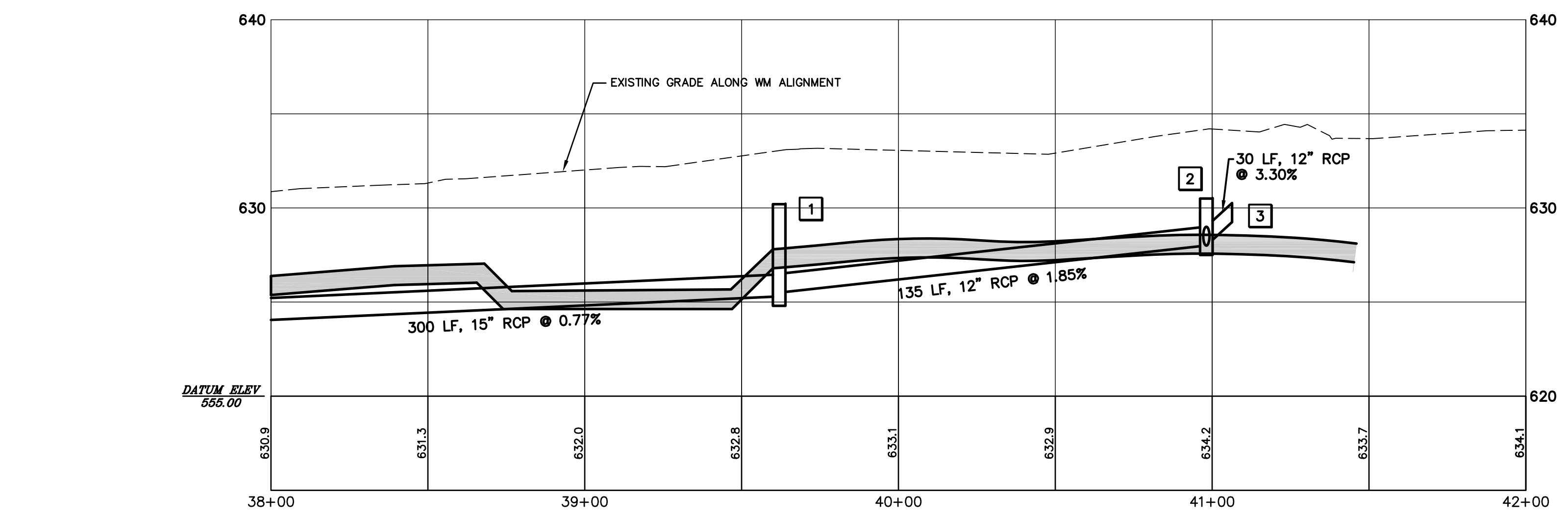
SCALE:
HORZ. 1" = 30'
VERT. 1" = 5'

RECORDED INFORMATION IS INDICATED IN ITALICS

NO.	DATE	REVISIONS
1	7/01/04	PER CITY REVIEW
2	3/30/05	PER IEPA REVIEW



- NOTE:
1. THE RAW WATER MAIN SHALL HAVE A BURIED TAPE PLACED ABOVE IT IN THE TRENCH IDENTIFYING IT AS A RAW WATER MAIN.
 2. FIRE HYDRANTS SERVICED OFF OF THE RAW WATER MAIN SHALL BE LIGHT BLUE IN COLOR.
 3. LOCATE ELECTRICAL CONDUIT IN SAME TRENCH AS PROPOSED WATER MAIN. HOLD CONDUIT TO THE FAR NORTH SIDE OF TRENCH FOR WATER MAIN LAYING EAST-WEST AND TO FAR EAST SIDE OF TRENCH FOR WATER MAIN LAYING NORTH-SOUTH.
 4. ALL FIRE HYDRANTS BURY ELEVATIONS AND VALVE VAULT RIM ELEVATIONS ARE APPROXIMATE. ALL BURY ELEVATION SHOULD MATCH EXISTING GRADE WITH 5.5 FEET OF COVER OVER PROPOSED WATER MAIN.
 5. SEE SHEET NO. 19 FOR PLAN VIEW OF WATER DEPARTMENT AREA AT A LARGER SCALE.



STORM SEWER SCHEDULE

- 1 CATCH BASIN NO. 1
4' DIA., TYPE A, OPEN LID
NEENAH R 2502-B
RIM = 630.20
INV. S = 625.30, 15" RCP
INV. N = 625.50, 12" RCP
INV. E = 627.00, 8" PVC W/
RISER TO EXISTING
300 LF, 15" RCP
TY.1, CL IV @ 0.77% (O-RING)
- 2 CATCH BASIN NO. 2
4' DIA., TYPE A, OPEN LID
NEENAH R 2502-B
RIM = 630.50
INV. E, S = 628.00, 12" RCP
INV. N = 628.00, 12" RCP
135 LF, 12" RCP
TY.1, CL IV @ 1.85% (O-RING)
- 3 FLARED END SECTION NO. 3
INV. S = 629.00, 12" RCP
30 LF, 12" RCP @ 3.30%

WATER MAIN SCHEDULE

- 19 VALVE VAULT NO. 19
12" TAPPING VALVE
IN 60" VAULT
RIM = 623.93
- 20 VALVE VAULT NO. 20
16" TAPPING VALVE
IN 60" VAULT
RIM = ~~631.83~~ 632.83
- 21 VALVE VAULT NO. 21
12" GATE VALVE
IN 60" VAULT
RIM = ~~634.33~~ 634.11
- 22 VALVE VAULT NO. 22
12" GATE VALVE
IN 60" VAULT
RIM = ~~634.01~~ 633.80
- 23 VALVE VAULT NO. 23
16" BUTTERFLY VALVE
IN 60" VAULT
RIM = ~~634.34~~ 633.42
- 14 FIRE HYDRANT NO. 14 (RAW)
W/ 12"x12"x6" TEE (MJ)
AND 6" AUXILIARY VALVE
BURY ELEV. = ~~634.00~~ 634.24
- 15 FIRE HYDRANT NO. 15 (RAW)
W/ 12"x12"x6" TEE (MJ)
AND 6" AUXILIARY VALVE
BURY ELEV. = ~~633.00~~ 633.83
- 16 FIRE HYDRANT NO. 16
W/ 16"x16"x6" TEE (MJ)
AND 6" AUXILIARY VALVE
BURY ELEV. = ~~634.47~~ 633.68

SCALE:
HORZ. 1" = 30'
VERT. 1" = 5'

- ⊙ RECORD STRUCTURE
- ⊙ PROPOSED STRUCTURE

**RECORD DRAWING:
NOVEMBER 8, 2007**

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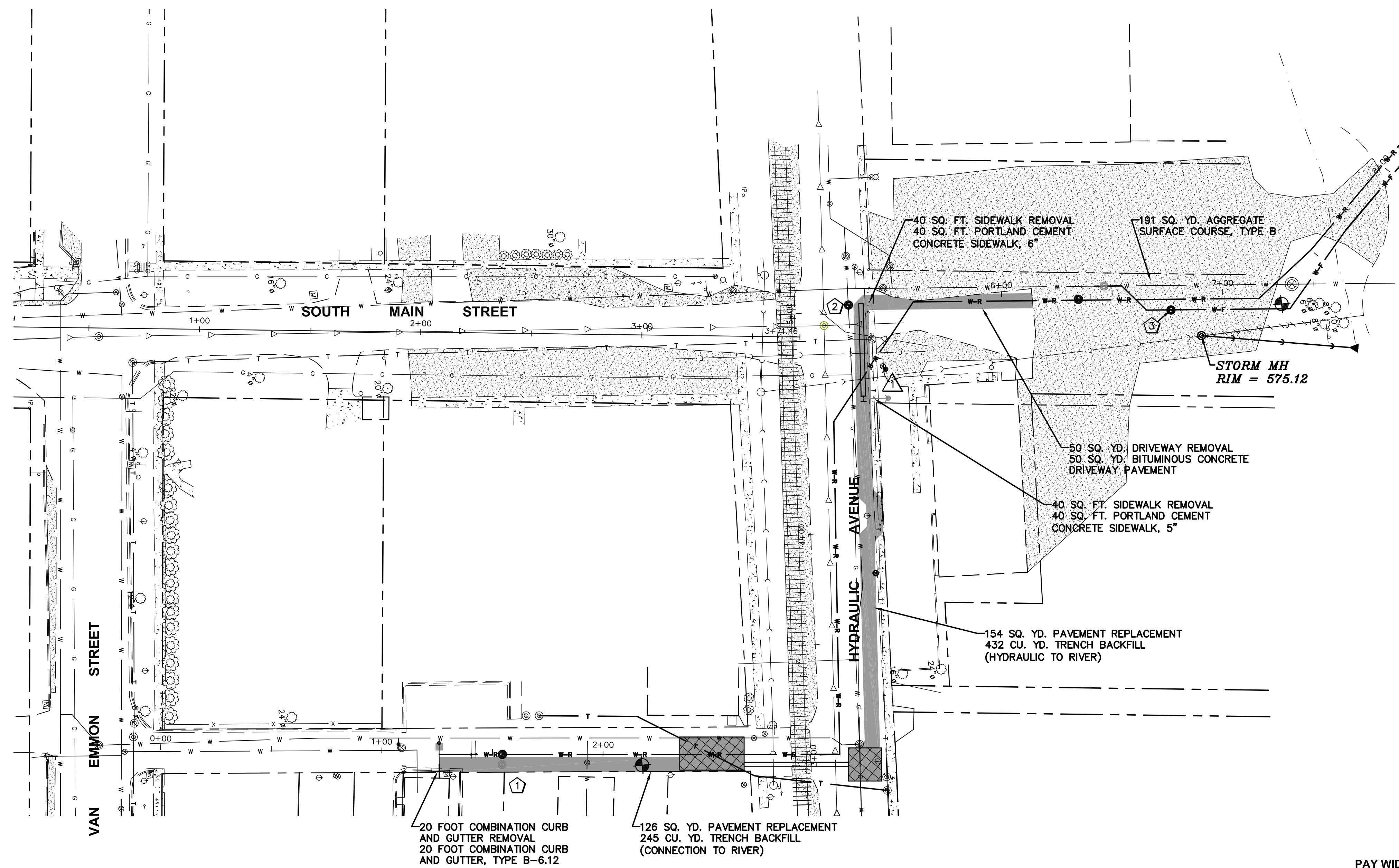
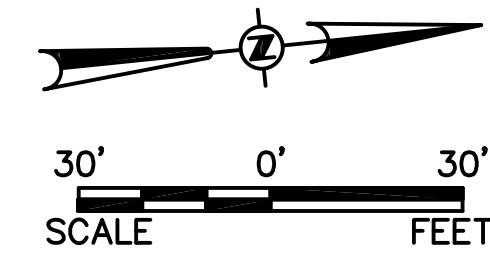
WATER WORKS SYSTEM IMPROVEMENTS
United City of Yorkville
Kendall County, Illinois

NO.	DATE	REVISIONS
1	7/01/04	PER CITY REVIEW
2	5/26/05	YARD PIPING
3	6/23/05	ADDENDUM #5

CONTRACT B.3
WELL 3 AND 4 RAW WATER MAIN &
KING STREET FINISHED WATER MAIN

WELL TREATMENT FACILITY
PLAN & PROFILE STA. 38+00
TO STA. 42+00

DATE MAY 2004
DWG. NO. Y0010905
SHEET 11 OF 22



PAY WIDTH FOR PAVEMENT REPLACEMENT AND TRENCH BACKFILL

PAVEMENT	DIA. WATER MAIN SERVICES	TRENCH BACKFILL
5.58'	6"	3.58'
5.58'	8"	3.78'
5.78'	12"	4.17'
6.17'	16"	4.56'
6.56'	30"	5.92'

PAVEMENT REMOVAL AND REPLACEMENT

- ⊙ RECORD STRUCTURE
- ⊙ PROPOSED STRUCTURE

**RECORD DRAWING:
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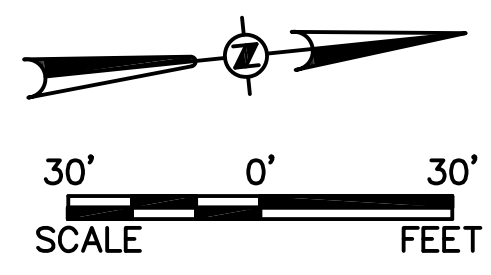
WATER WORKS SYSTEM IMPROVEMENTS
 United City of Yorkville
 Kendall County, Illinois

NO.	DATE	REVISIONS
1	3/30/05	PER IEPA REVIEW

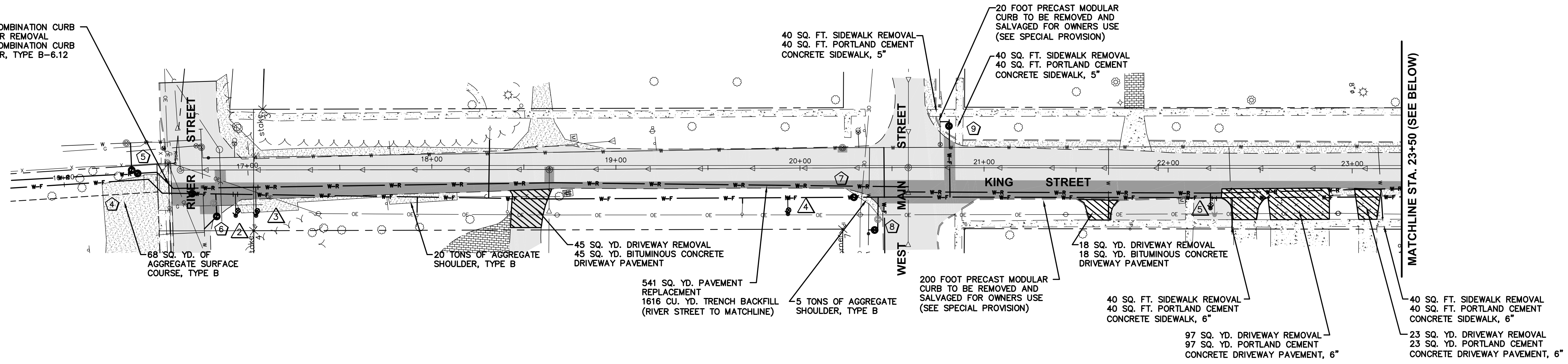
CONTRACT B.3
 WELL 3 AND 4 RAW WATER MAIN &
 KING STREET FINISHED WATER MAIN

**HYDRAULIC AVENUE
 RESTORATION PLAN**

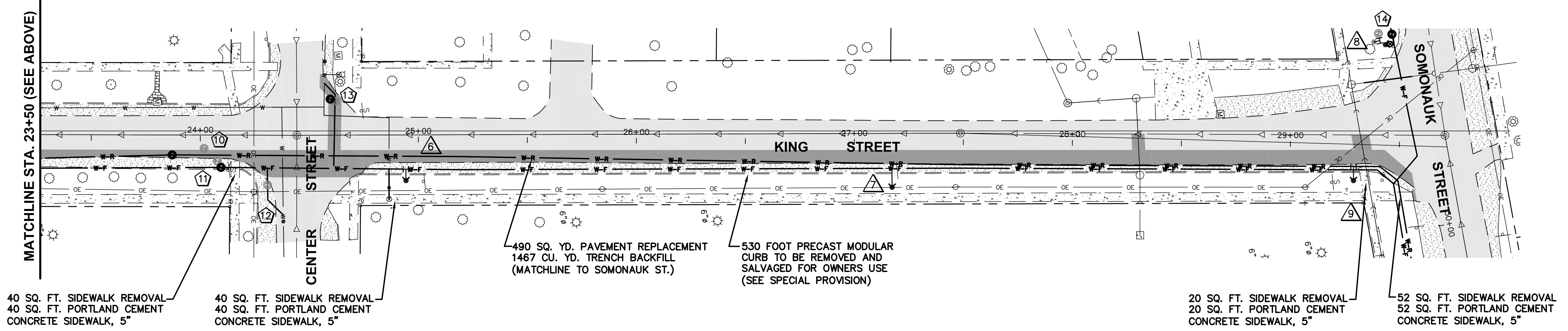
DATE MAY 2004
 DWG. NO. Y0010914
 SHEET **12** OF **22**



15 FOOT COMBINATION CURB AND GUTTER REMOVAL
15 FOOT COMBINATION CURB AND GUTTER, TYPE B-6.12



MATCHLINE STA. 23+50 (SEE ABOVE)



PAY WIDTH FOR PAVEMENT REPLACEMENT AND TRENCH BACKFILL

PAVEMENT	DIA. WATER MAIN SERVICES	TRENCH BACKFILL
5.58'	6"	3.58'
5.58'	8"	3.58'
5.78'	12"	3.78'
6.17'	16"	4.17'
6.56'	30"	4.56'
7.92'		5.92'

PAVEMENT REMOVAL AND REPLACEMENT

RECORD DRAWING:
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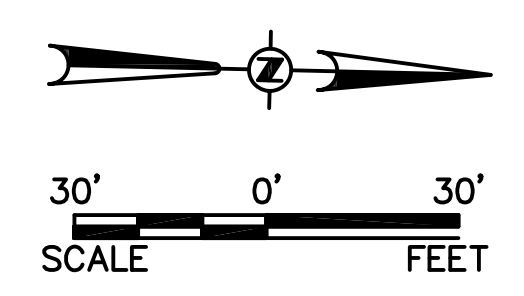
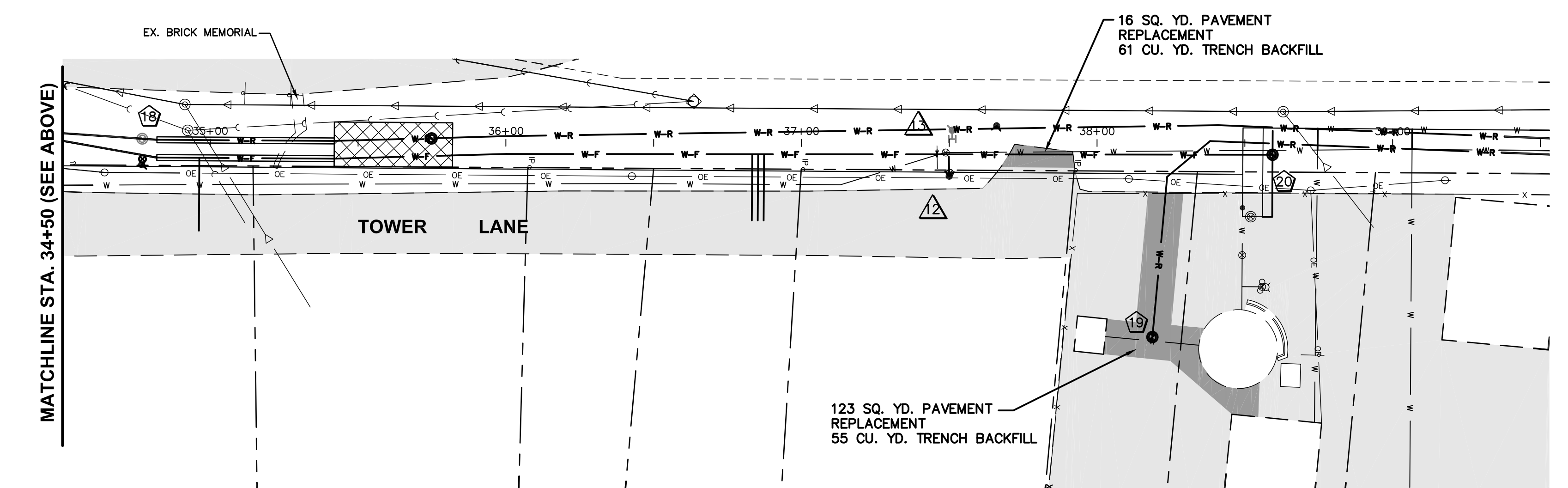
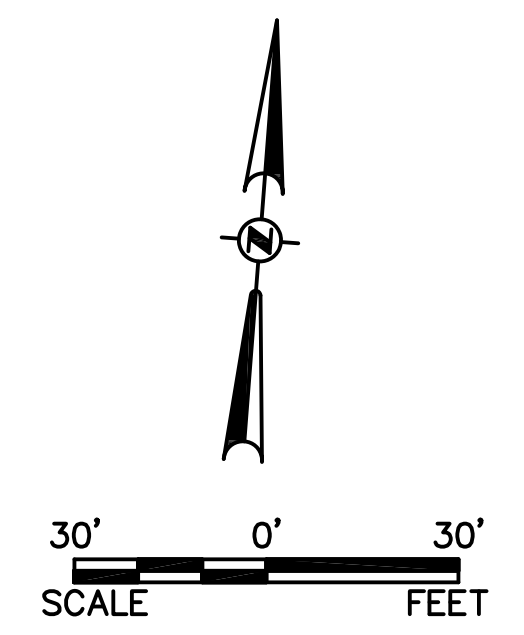
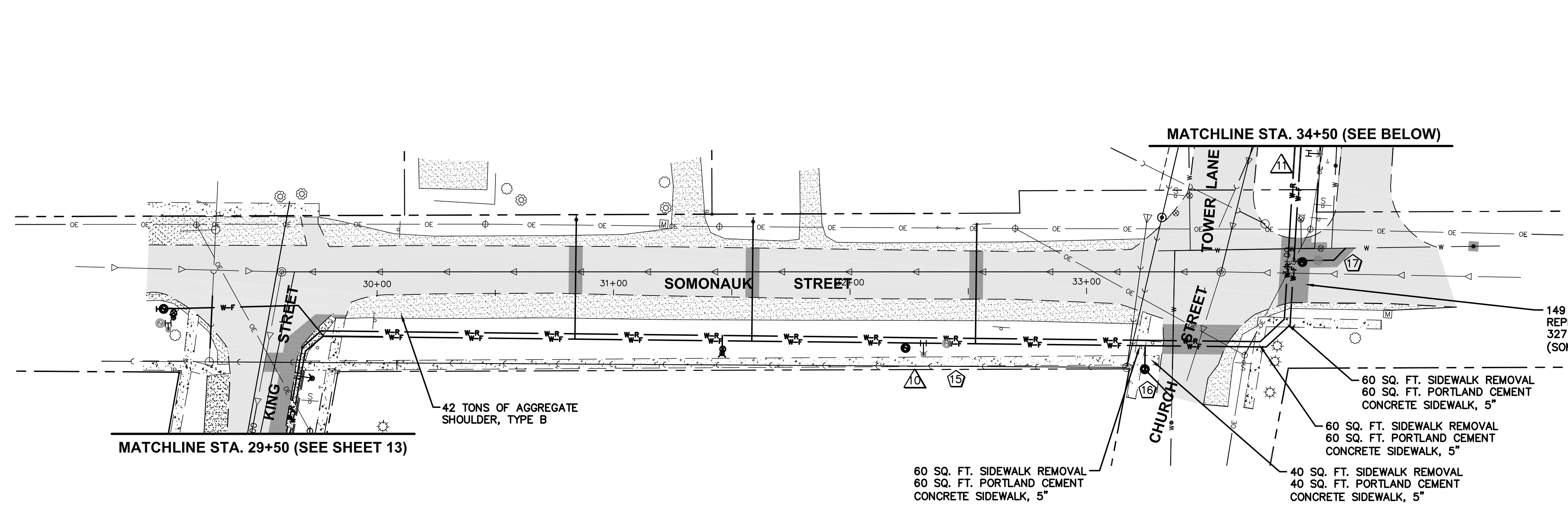
WATER WORKS SYSTEM IMPROVEMENTS
United City of Yorkville
Kendall County, Illinois

NO.	DATE	REVISIONS
1	7/01/04	PER CITY REVIEW
2	3/30/05	PER IEPA REVIEW

CONTRACT B.3
WELL 3 AND 4 RAW WATER MAIN &
KING STREET FINISHED WATER MAIN

KING STREET RESTORATION PLAN

DATE	MAY 2004
DWG. NO.	YO010910
SHEET	13 OF 22



PAY WIDTH FOR PAVEMENT REPLACEMENT AND TRENCH BACKFILL

PAVEMENT	DIA. WATER MAIN SERVICES	TRENCH BACKFILL
5.58'	6"	3.58'
5.58'	8"	3.58'
5.78'	12"	4.17'
6.17'	16"	4.56'
6.56'	30"	5.92'

PAVEMENT REMOVAL AND REPLACEMENT

**RECORD DRAWING:
NOVEMBER 8, 2007**

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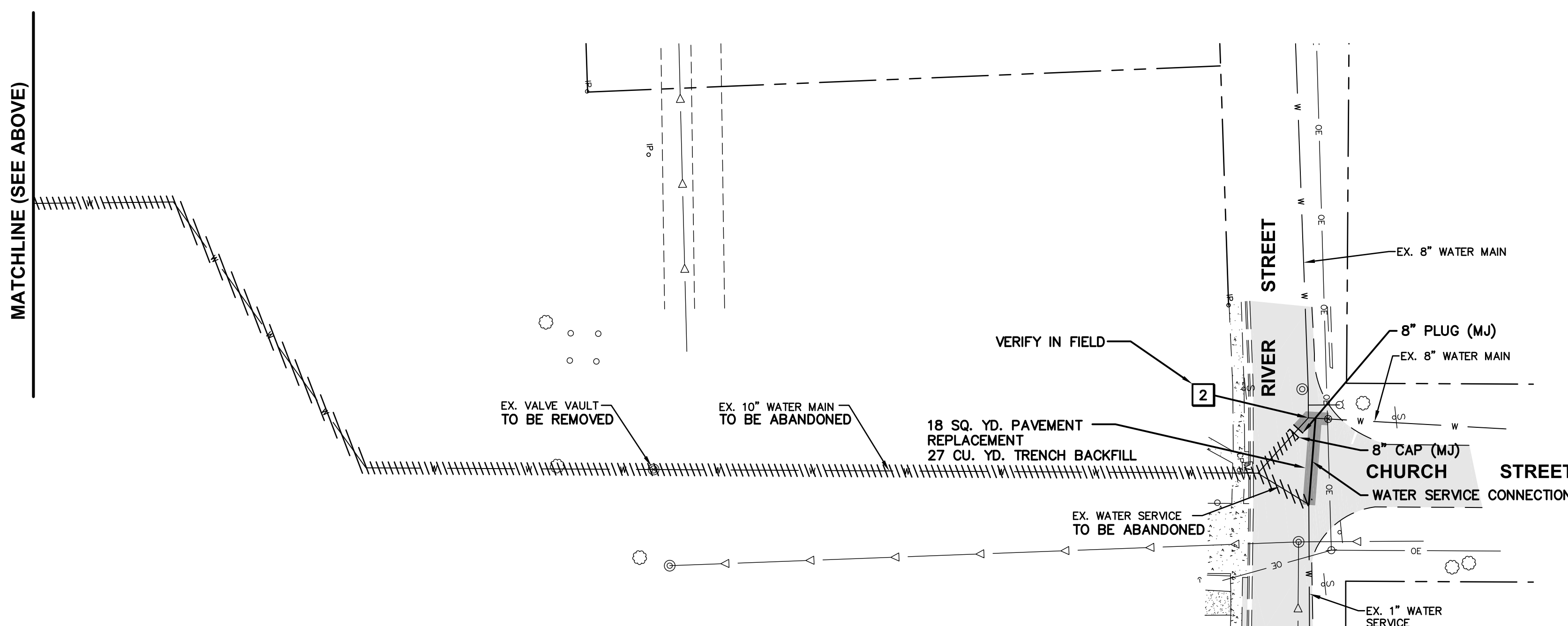
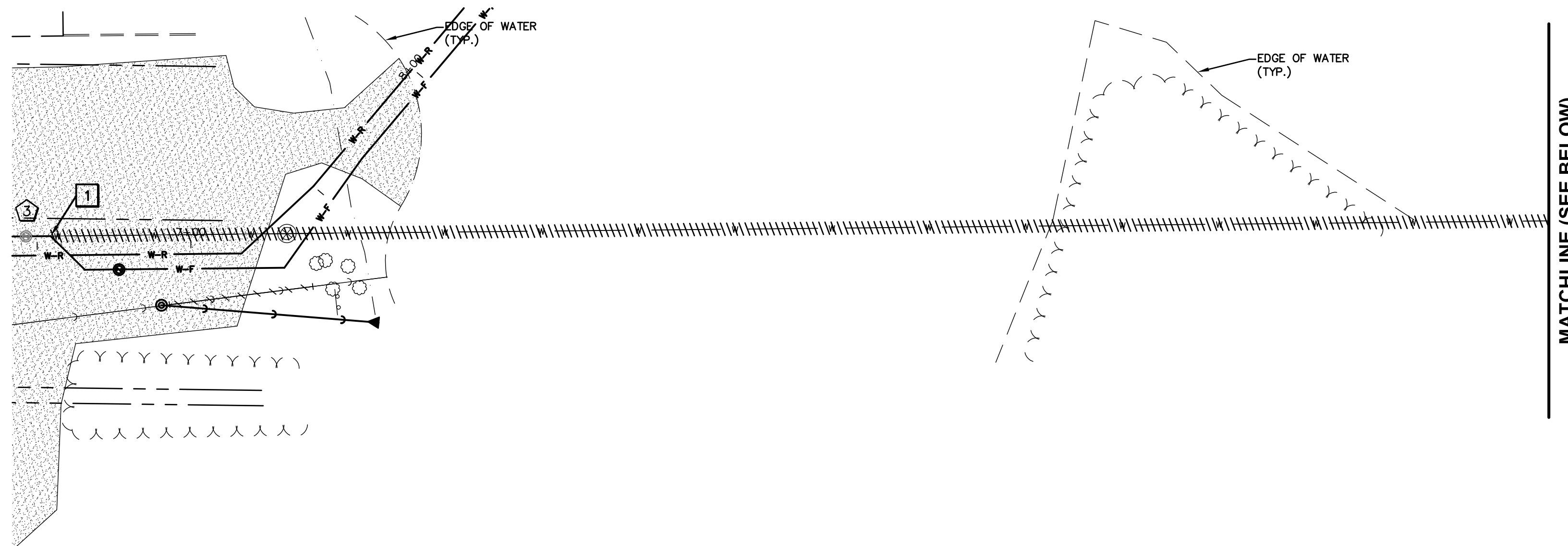
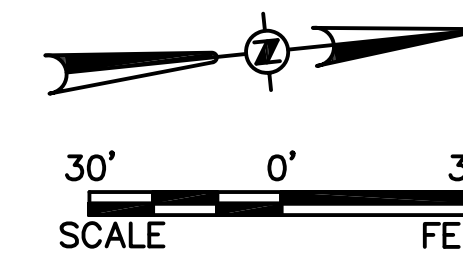
WATER WORKS SYSTEM IMPROVEMENTS
 United City of Yorkville
 Kendall County, Illinois

NO.	DATE	REVISIONS
1	7/01/04	PER CITY REVIEW
2	3/30/05	PER IEPA REVIEW

CONTRACT B.3
 WELL 3 AND 4 RAW WATER MAIN &
 KING STREET FINISHED WATER MAIN

SOMONAUK STREET, TOWER LANE,
 AND WELL NO. 4 RESTORATION
 PLAN

DATE MAY 2004
 DWG. NO. YO010910
14 OF 22



NOTE:
DISCONNECT AND ABANDON THE EXISTING WATER MAIN AFTER THE SUCCESSFUL CHLORINATION OF THE NEW WATER MAIN AND AFTER ALL WATER SERVICES ARE TRANSFERRED TO THE NEW WATER MAIN.

- 1 DISCONNECT AND ABANDON EXISTING WATER MAIN. REMOVE 5 FOOT OF OLD WATER MAIN, CAP (MJ) MAIN AND THRUST BLOCK.
- 2 DISCONNECT AND ABANDON EXISTING WATER MAIN AT TEE. REMOVE 5 FOOT OF WATER MAIN, PLUG (MJ) TEE AND THRUST BLOCK

PAY WIDTH FOR PAVEMENT REPLACEMENT AND TRENCH BACKFILL

PAVEMENT	DIA. WATER MAIN SERVICES	TRENCH BACKFILL
5.58'	6"	3.58'
5.58'	8"	3.78'
5.78'	12"	4.17'
6.17'	16"	4.56'
6.56'	30"	5.92'

PAVEMENT REMOVAL AND REPLACEMENT

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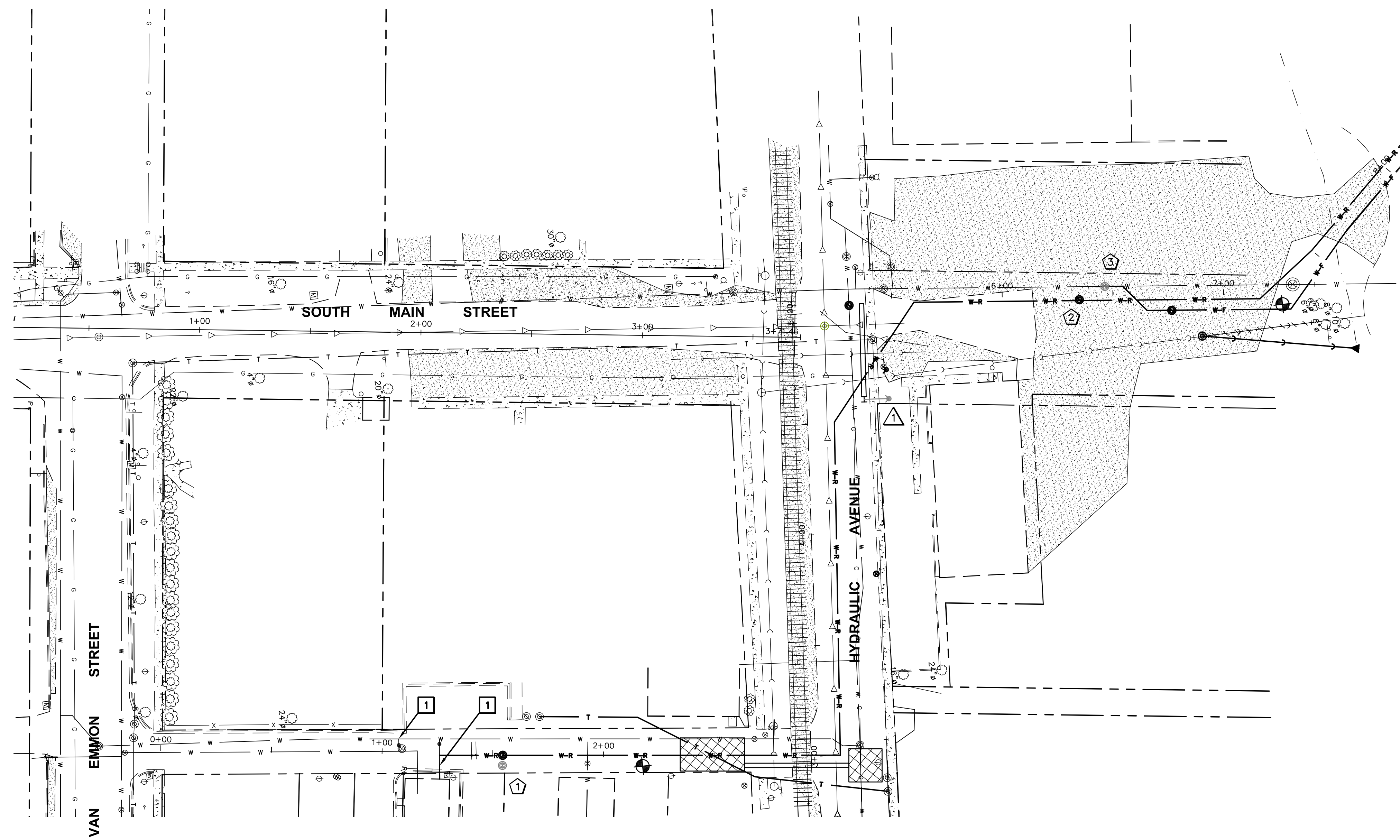
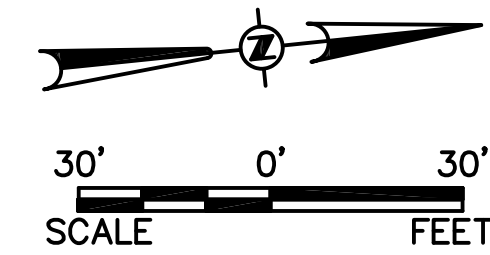
WATER WORKS SYSTEM IMPROVEMENTS
United City of Yorkville
Kendall County, Illinois

NO.	DATE	REVISIONS
1	7/01/04	PER CITY REVIEW
2	3/30/05	PER IEPA REVIEW

CONTRACT B.3
WELL 3 AND 4 RAW WATER MAIN &
KING STREET FINISHED WATER MAIN

10" WATER MAIN UNDER FOX
RIVER ABANDONMENT AND
RESTORATION PLAN

DATE MAY 2004
DWG. NO. Y0010913
SHEET **15** OF **22**



NOTE:
 DISCONNECT AND ABANDON THE EXISTING WATER MAIN AFTER THE SUCCESSFUL CHLORINATION OF THE NEW WATER MAIN AND AFTER ALL WATER SERVICES ARE TRANSFERRED TO THE NEW WATER MAIN.

- 1 DISCONNECT AND ABANDON EXISTING WATER MAIN. REMOVE 5 FOOT OF OLD WATER MAIN, CAP (MJ) MAIN AND THRUST BLOCK.
- 2 DISCONNECT AND ABANDON EXISTING WATER MAIN AT TEE. REMOVE 5 FOOT OF WATER MAIN, PLUG (MJ) TEE AND THRUST BLOCK

⊙ RECORD STRUCTURE
 ⊙ PROPOSED STRUCTURE

**RECORD DRAWING:
 NOVEMBER 8, 2007**

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 United City of Yorkville
 Kendall County, Illinois

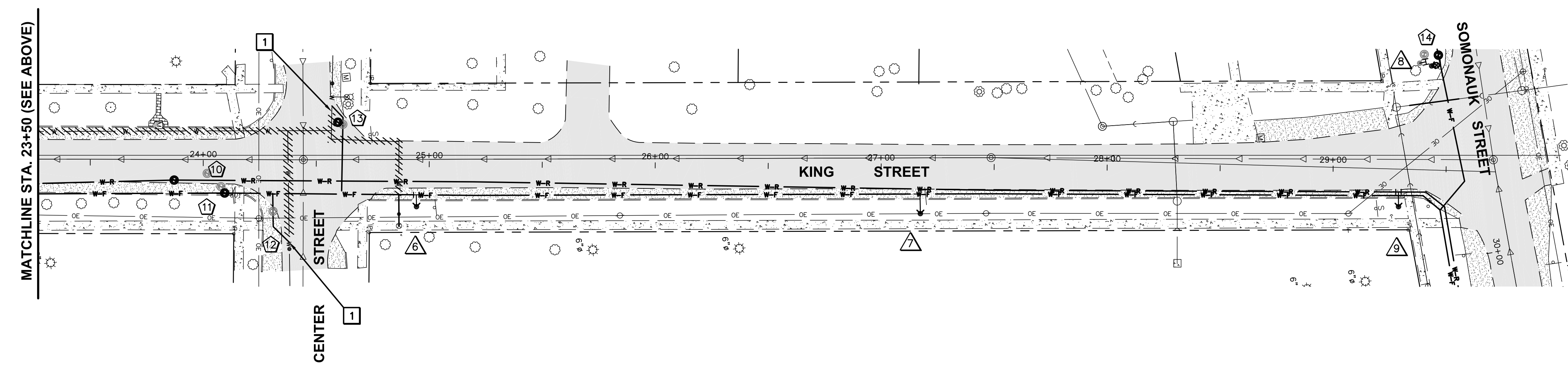
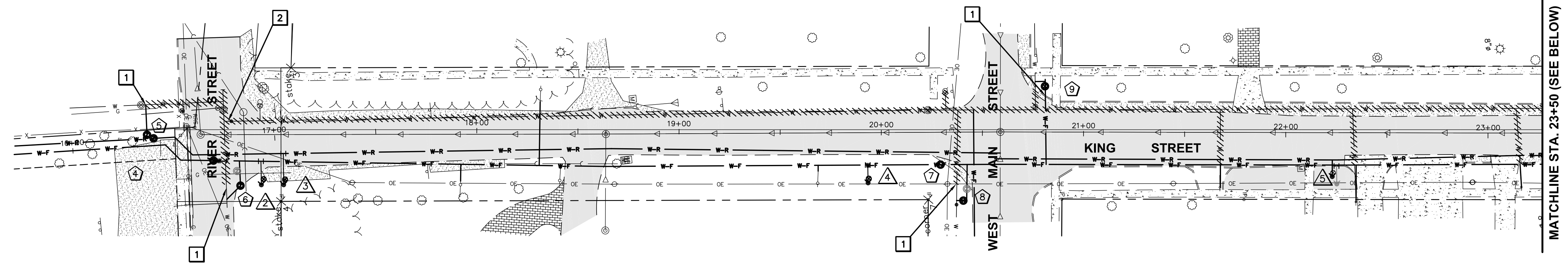
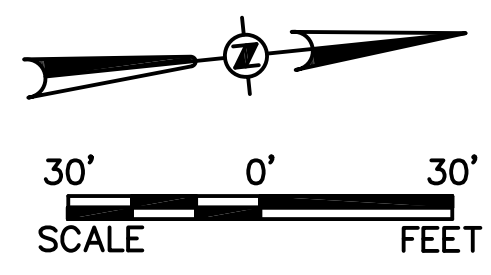
1	3/30/05	PER IEPA REVIEW
NO.	DATE	REVISIONS

CONTRACT B.3
 WELL 3 AND 4 RAW WATER MAIN &
 KING STREET FINISHED WATER MAIN

**HYDRAULIC AVENUE
 ABANDONMENT PLAN**

DATE MAY 2004
 DWG. NO. YO010914

SHEET **16** OF **22**



NOTE:
DISCONNECT AND ABANDON THE EXISTING WATER MAIN AFTER THE SUCCESSFUL CHLORINATION OF THE NEW WATER MAIN AND AFTER ALL WATER SERVICES ARE TRANSFERRED TO THE NEW WATER MAIN.

- 1 DISCONNECT AND ABANDON EXISTING WATER MAIN. REMOVE 5 FOOT OF OLD WATER MAIN, CAP (MJ) MAIN AND THRUST BLOCK.
- 2 DISCONNECT AND ABANDON EXISTING WATER MAIN AT TEE. REMOVE 5 FOOT OF WATER MAIN, PLUG (MJ) TEE AND THRUST BLOCK

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United City of Yorkville
Kendall County, Illinois

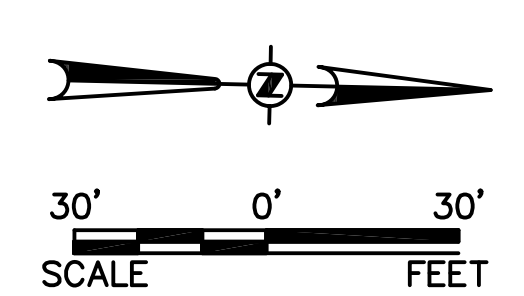
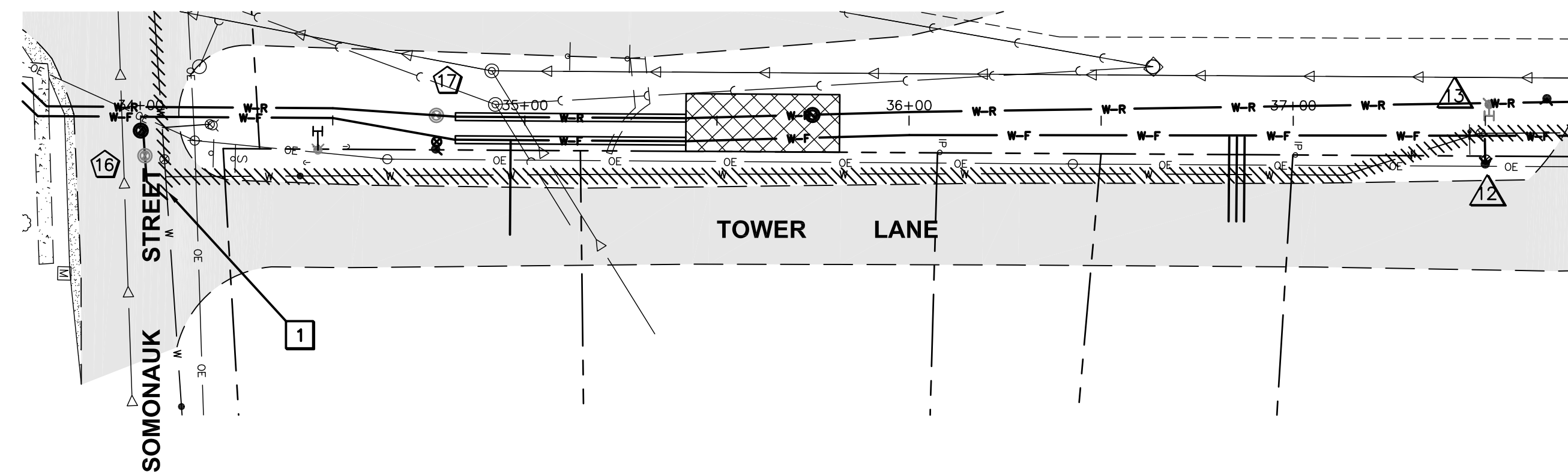
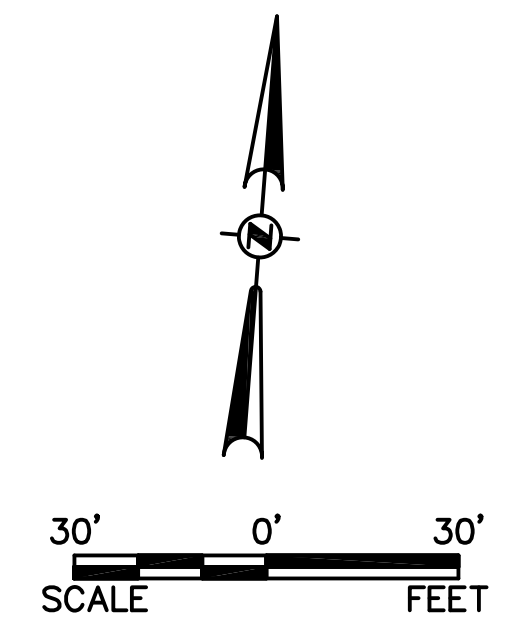
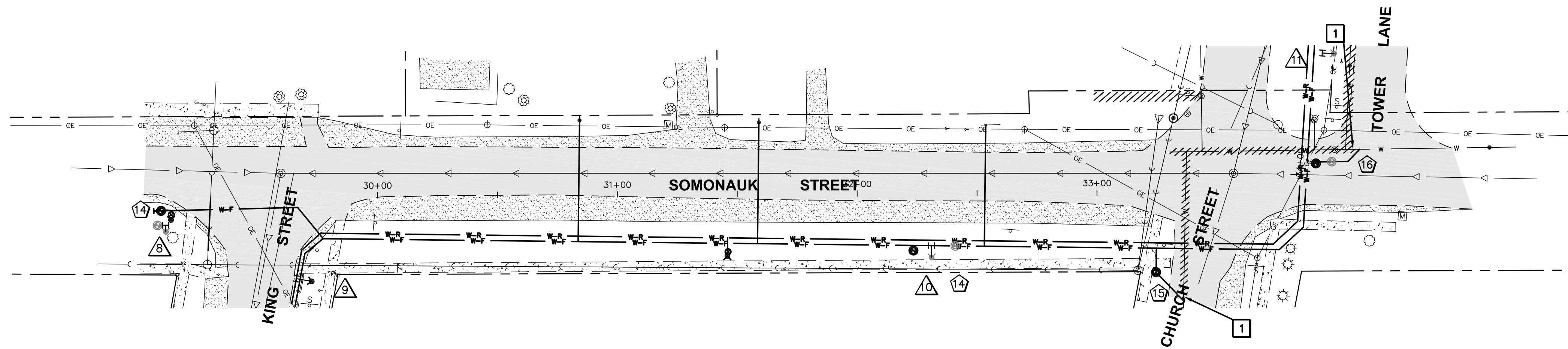
1	7/01/04	PER CITY REVIEW
2	3/30/05	PER IEPA REVIEW
NO.	DATE	REVISIONS

CONTRACT B.3
WELL 3 AND 4 RAW WATER MAIN &
KING STREET FINISHED WATER MAIN

KING STREET ABANDONMENT PLAN

DATE MAY 2004
DWG. NO. YO010913

SHEET **17** OF **22**



NOTE:
 DISCONNECT AND ABANDON THE EXISTING WATER MAIN AFTER THE SUCCESSFUL CHLORINATION OF THE NEW WATER MAIN AND AFTER ALL WATER SERVICES ARE TRANSFERRED TO THE NEW WATER MAIN.

- 1 DISCONNECT AND ABANDON EXISTING WATER MAIN. REMOVE 5 FOOT OF OLD WATER MAIN, CAP (MJ) MAIN AND THRUST BLOCK.
- 2 DISCONNECT AND ABANDON EXISTING WATER MAIN AT TEE. REMOVE 5 FOOT OF WATER MAIN, PLUG (MJ) TEE AND THRUST BLOCK

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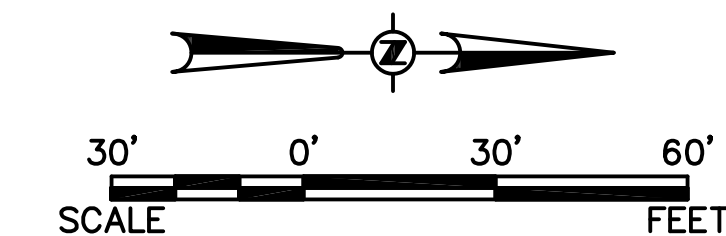
WATER WORKS SYSTEM IMPROVEMENTS
 United City of Yorkville
 Kendall County, Illinois

1	3/30/05	PER IEPA REVIEW
NO.	DATE	REVISIONS

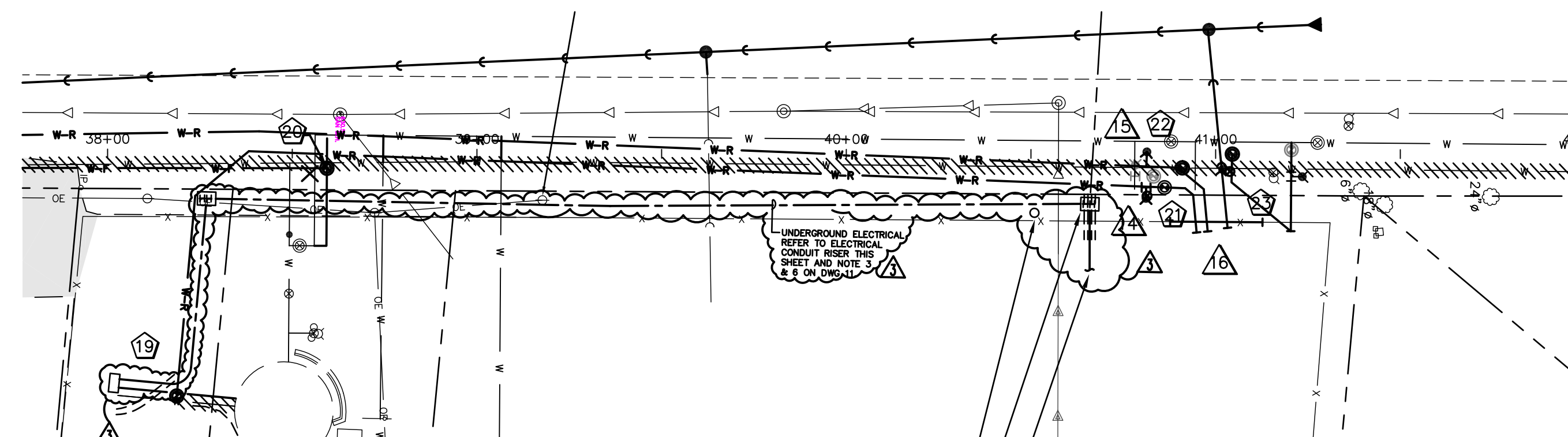
CONTRACT B.3
 WELL 3 AND 4 RAW WATER MAIN &
 KING STREET FINISHED WATER MAIN

SOMONAUK STREET AND TOWER LANE ABANDONMENT PLAN

DATE **MAY 2004**
 DWG. NO. **Y0010913**
 SHEET **18** OF **22**

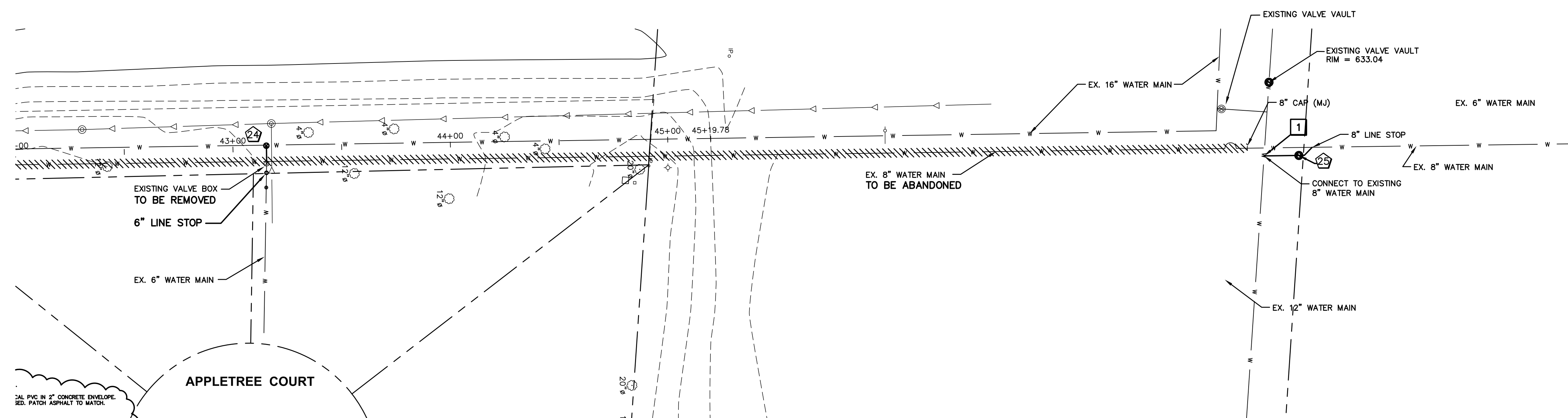


- Ⓜ RECORD STRUCTURE
- Ⓟ PROPOSED STRUCTURE



WATER MAIN SCHEDULE

- Ⓜ VALVE VAULT NO. 24
6" TAPPING VALVE
IN 48" VAULT
RIM = ~~633.00~~ 632.42
- Ⓟ VALVE VAULT NO. 25
8" TAPPING VALVE
IN 48" VAULT
RIM = TO BE DETERMINED IN FIELD
RIM = 632.70



NOTE:
DISCONNECT AND ABANDON THE EXISTING WATER MAIN AFTER THE SUCCESSFUL CHLORINATION OF THE NEW WATER MAIN AND AFTER ALL WATER SERVICES ARE TRANSFERRED TO THE NEW WATER MAIN.

- 1 DISCONNECT AND ABANDON EXISTING WATER MAIN. REMOVE 5 FOOT OF OLD WATER MAIN, CAP (MJ) MAIN AND THRUST BLOCK.
- 2 DISCONNECT AND ABANDON EXISTING WATER MAIN AT TEE. REMOVE 5 FOOT OF WATER MAIN, PLUG (MJ) TEE AND THRUST BLOCK

- Ⓜ RECORD STRUCTURE
- Ⓟ PROPOSED STRUCTURE

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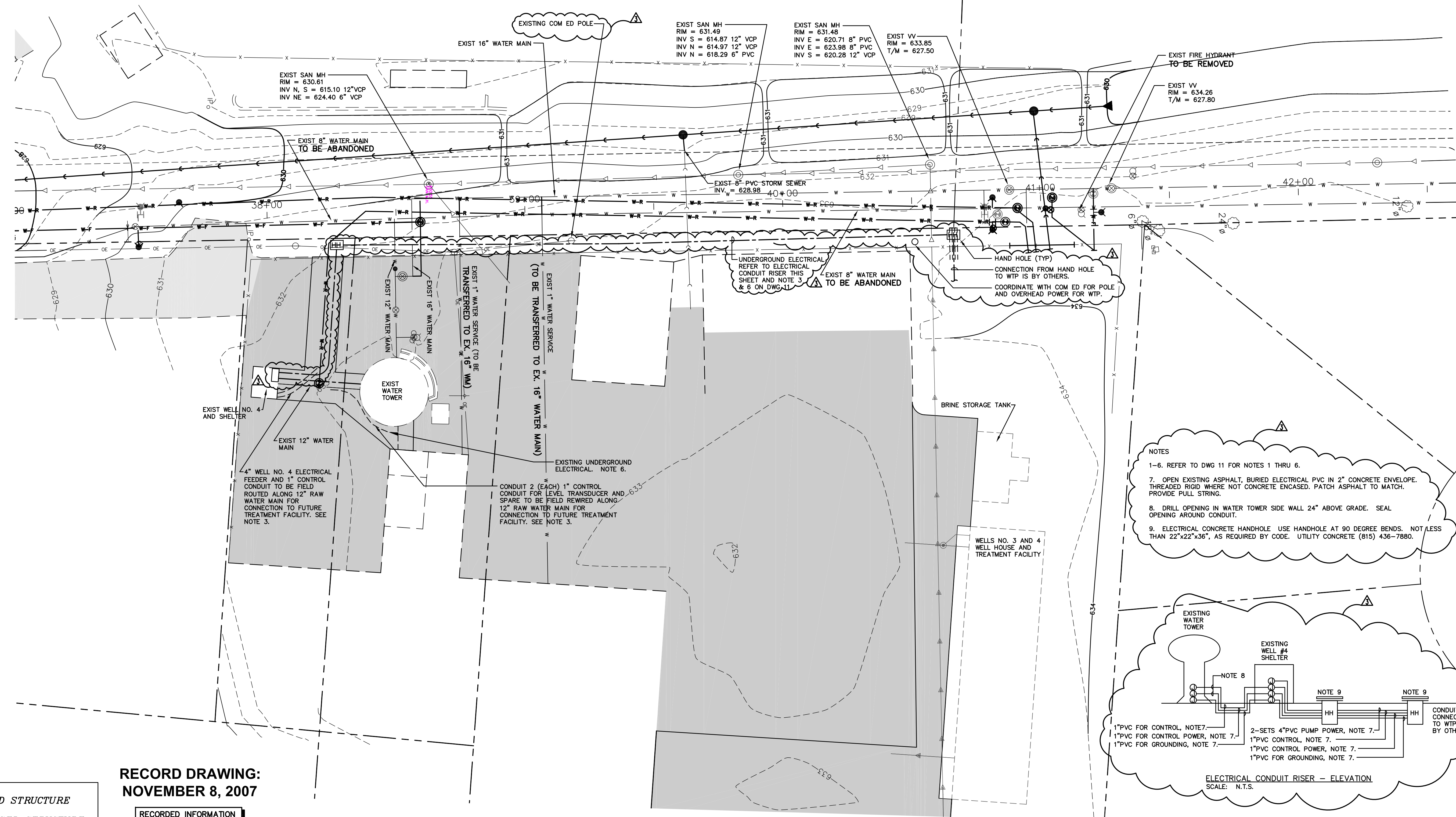
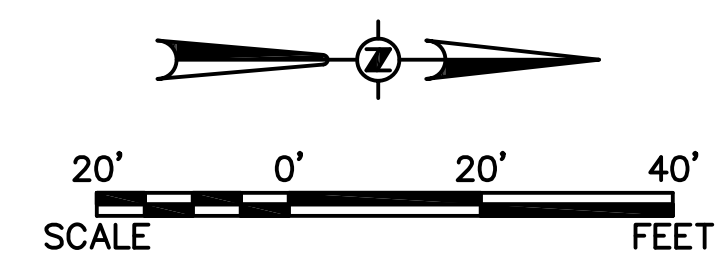
WATER WORKS SYSTEM IMPROVEMENTS
United City of Yorkville
Kendall County, Illinois

1	7/01/04	PER CITY REVIEW
3	6/23/05	ADDENDUM #5
NO.	DATE	REVISIONS

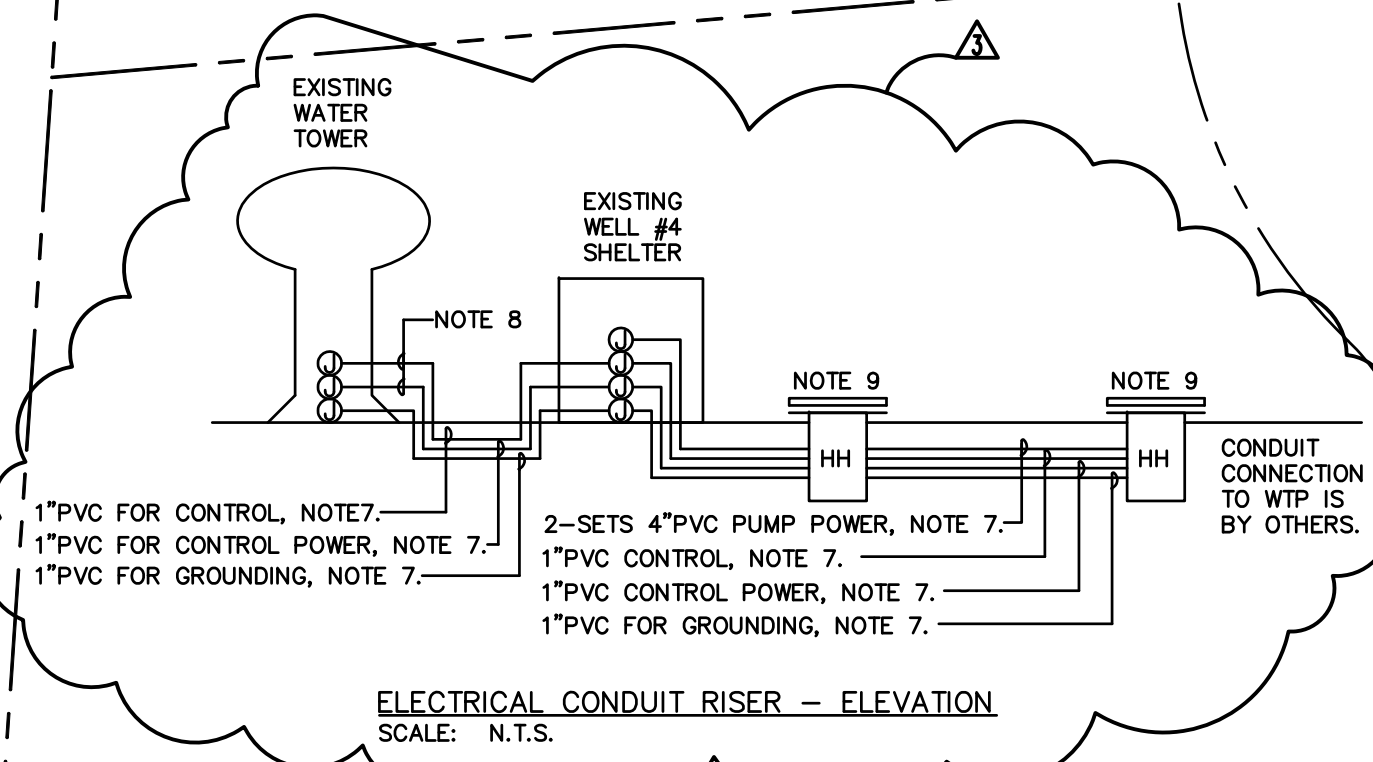
CONTRACT B.3
WELL 3 AND 4 RAW WATER MAIN &
KING STREET FINISHED WATER MAIN

WELL NO. 4 AND APPLETREE COURT ABANDONMENT PLAN

DATE MAY 2004
DWG. NO. Y0010905
SHEET 19 OF 22



- NOTES
- 1-6. REFER TO DWG 11 FOR NOTES 1 THRU 6.
 7. OPEN EXISTING ASPHALT, BURIED ELECTRICAL PVC IN 2" CONCRETE ENVELOPE. THREADED RIGID WHERE NOT CONCRETE ENCASED. PATCH ASPHALT TO MATCH. PROVIDE PULL STRING.
 8. DRILL OPENING IN WATER TOWER SIDE WALL 24" ABOVE GRADE. SEAL OPENING AROUND CONDUIT.
 9. ELECTRICAL CONCRETE HANDHOLE. USE HANDHOLE AT 90 DEGREE BENDS. NOT LESS THAN 22"x22"x36", AS REQUIRED BY CODE. UTILITY CONCRETE (815) 436-7880.



⊙ RECORD STRUCTURE
⊙ PROPOSED STRUCTURE

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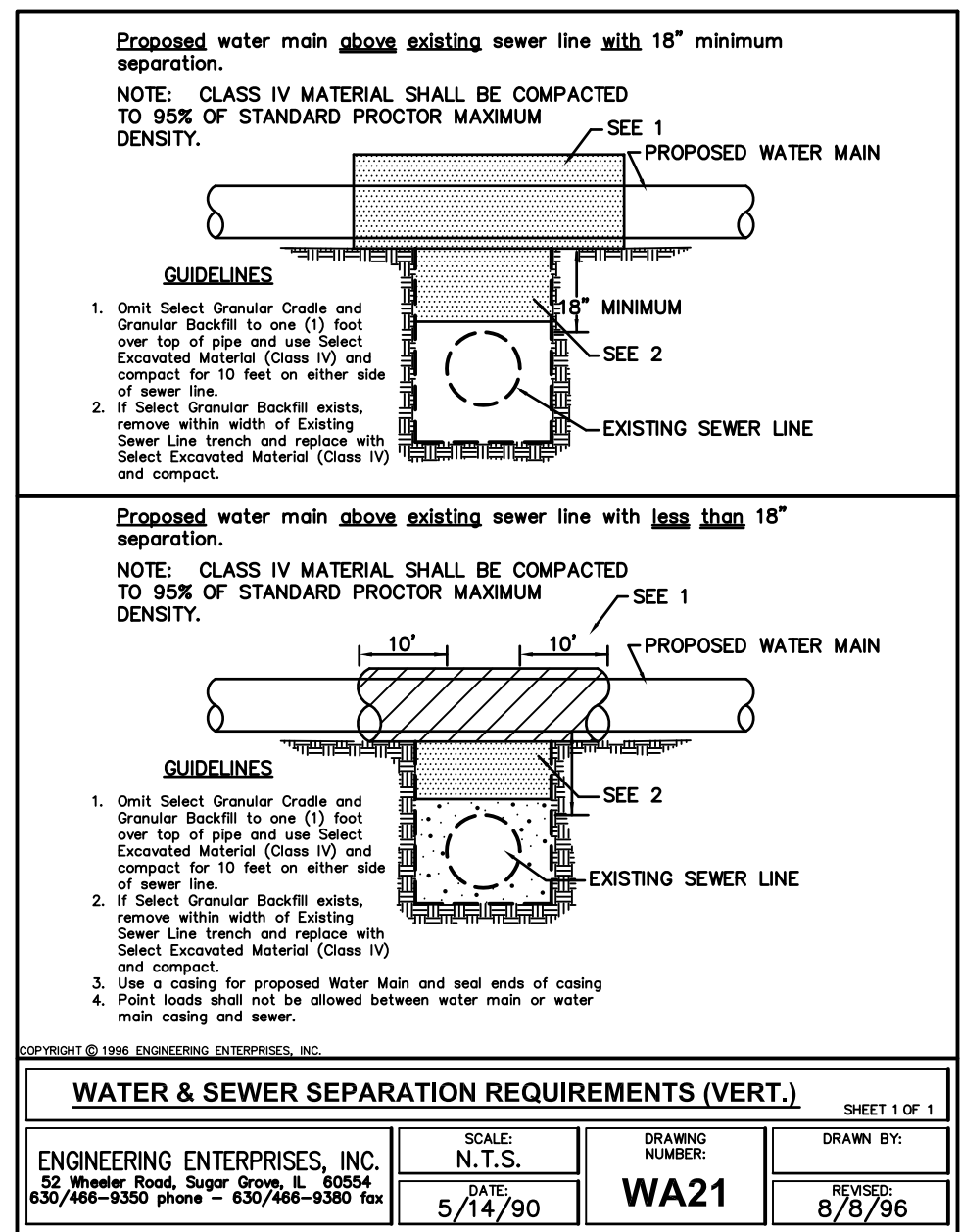
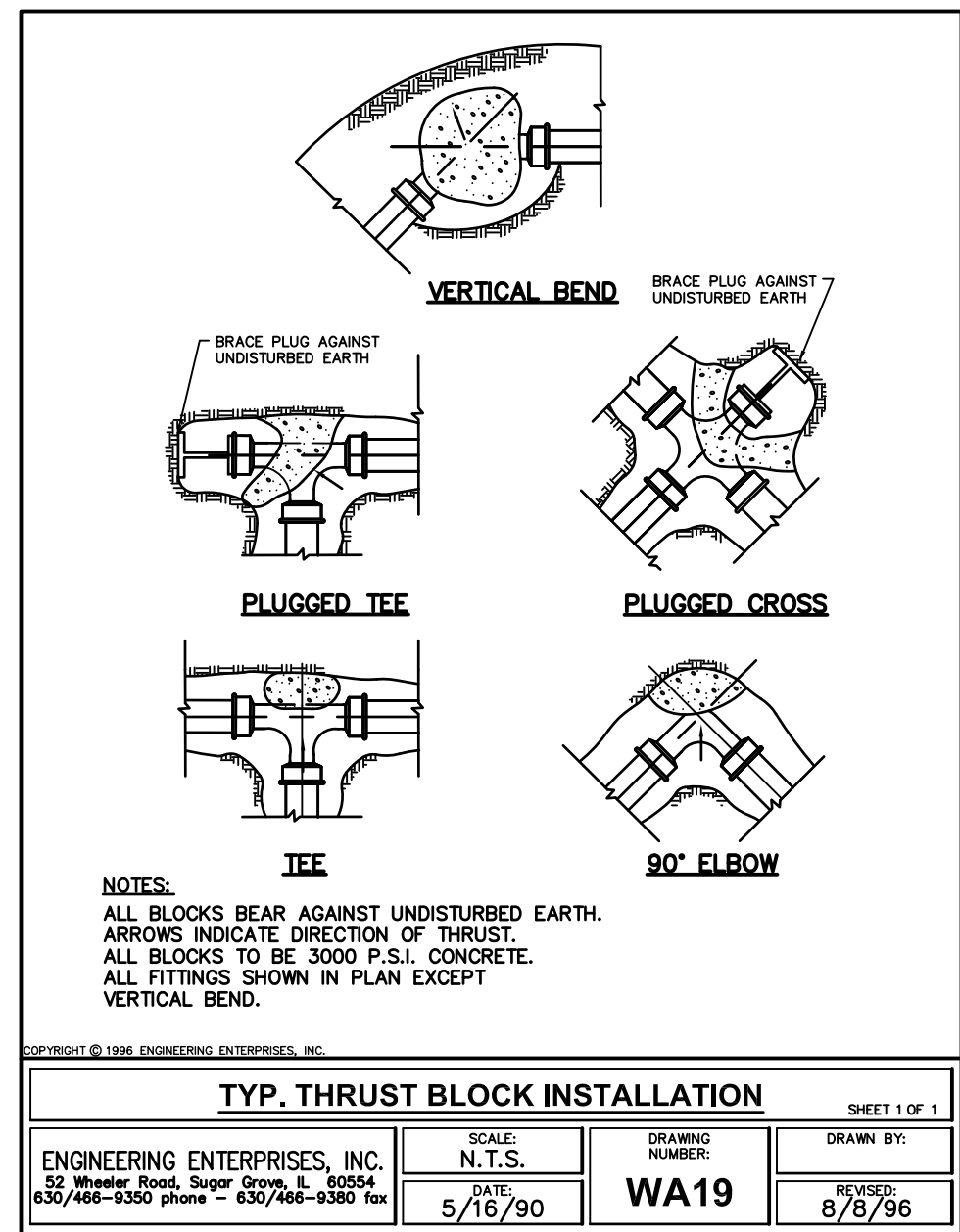
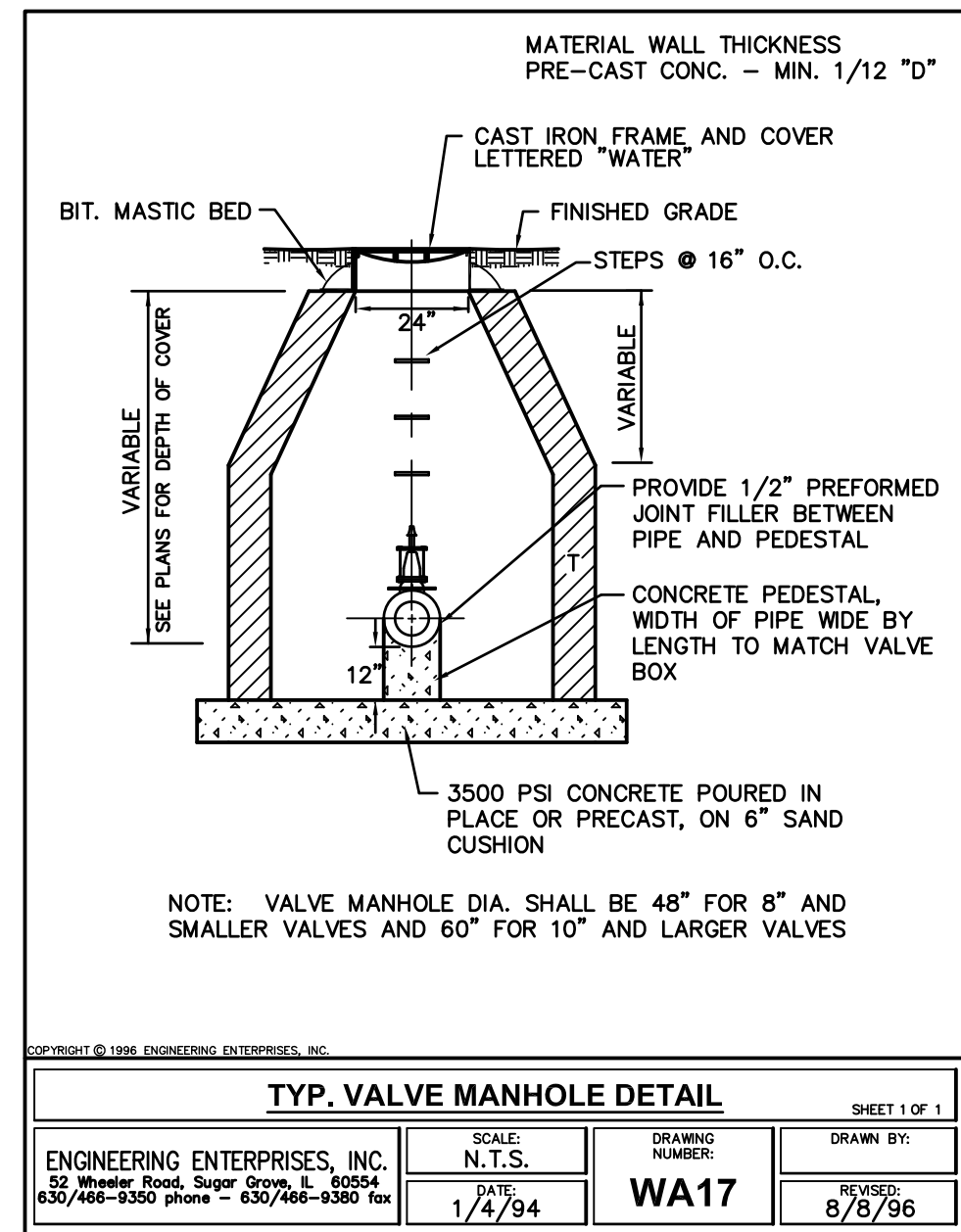
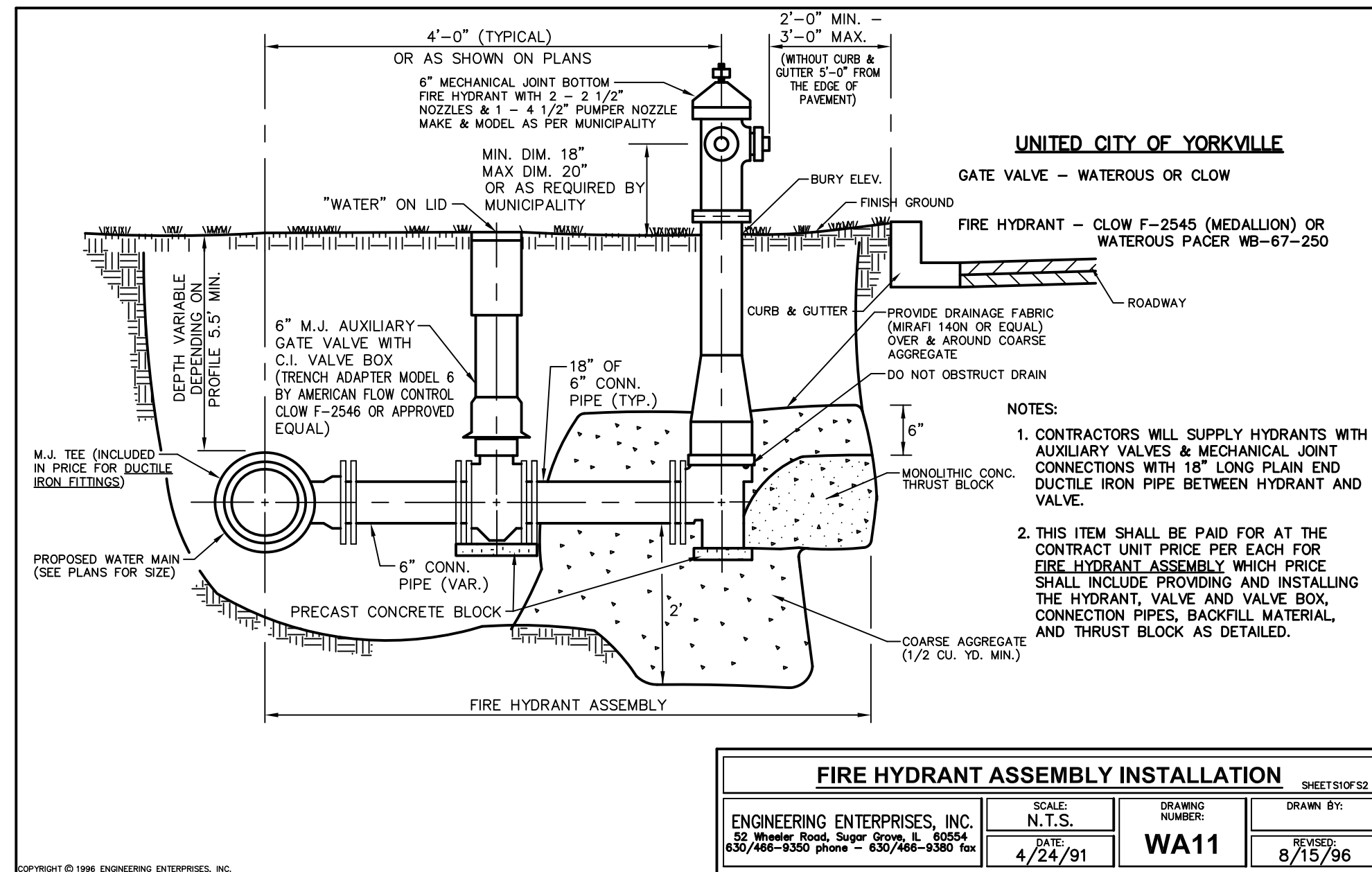
WATER WORKS SYSTEM IMPROVEMENTS
United City of Yorkville
Kendall County, Illinois

NO.	DATE	REVISIONS
1	7/01/04	PER CITY REVIEW
2	5/26/05	YARD PIPING
3	6/23/05	ADDENDUM #5

CONTRACT B.3
WELL 3 AND 4 RAW WATER MAIN &
KING STREET FINISHED WATER MAIN

**WELL TREATMENT FACILITY
DETAILED VIEW**

DATE MAY 2004
DWG. NO. Y0010905



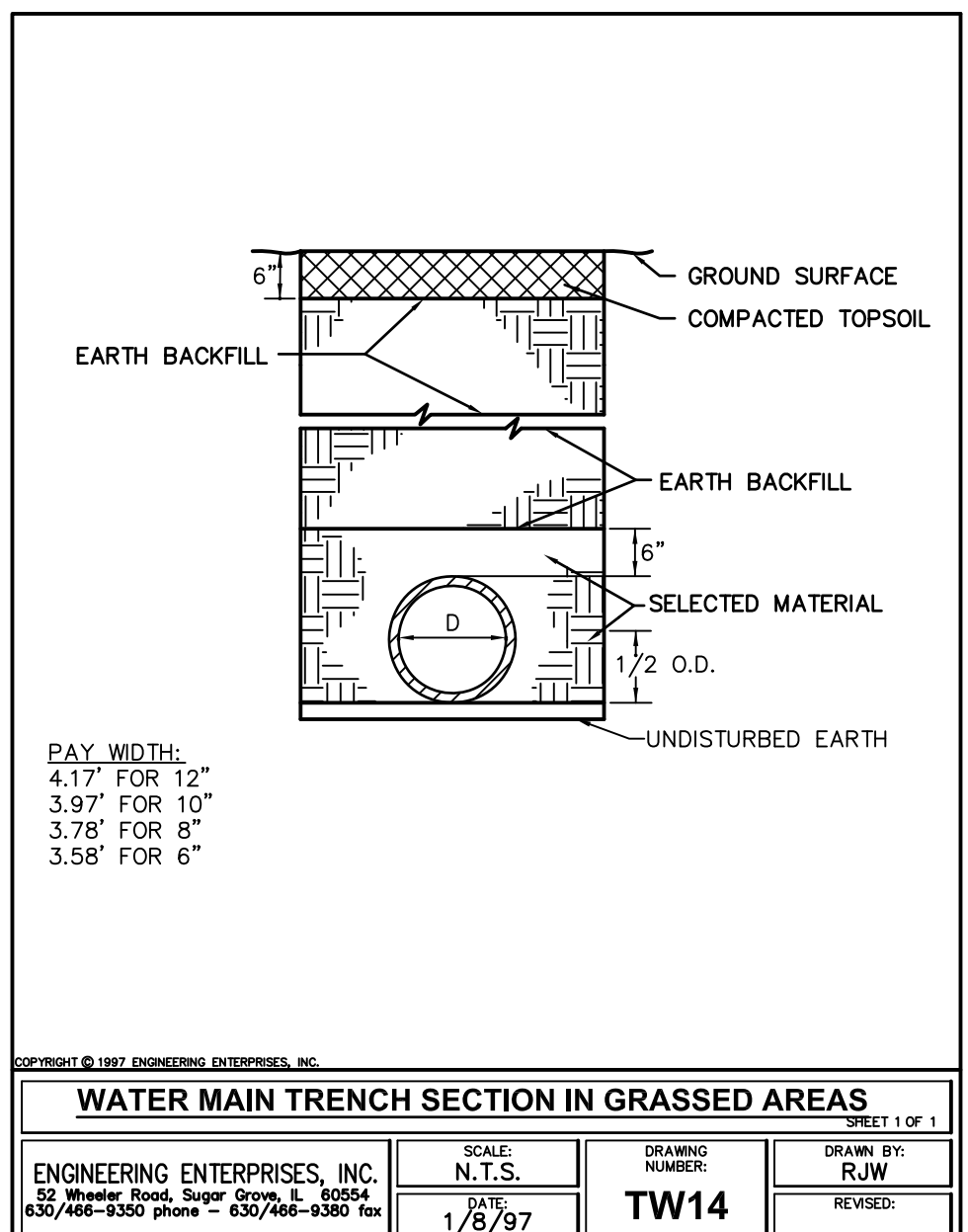
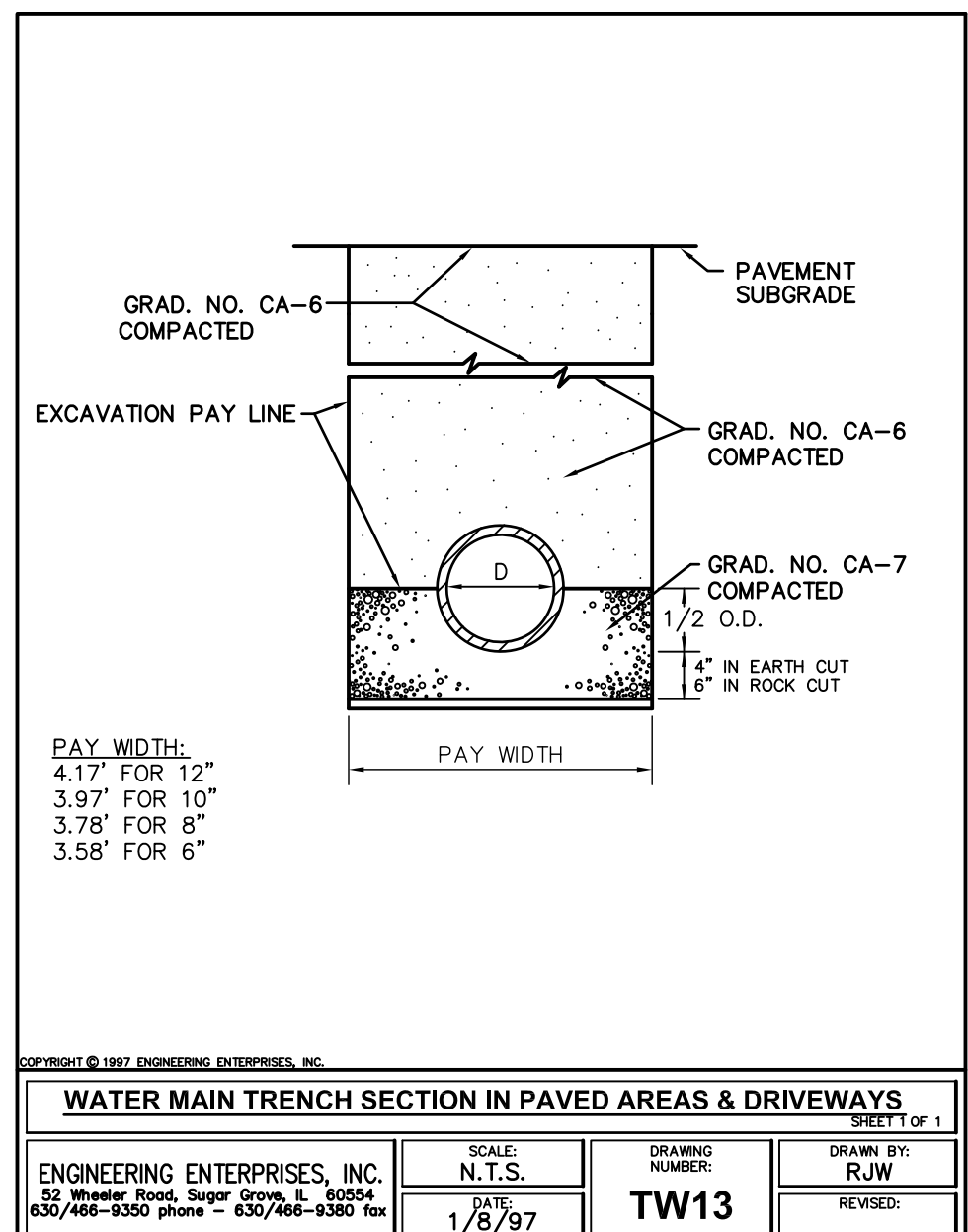
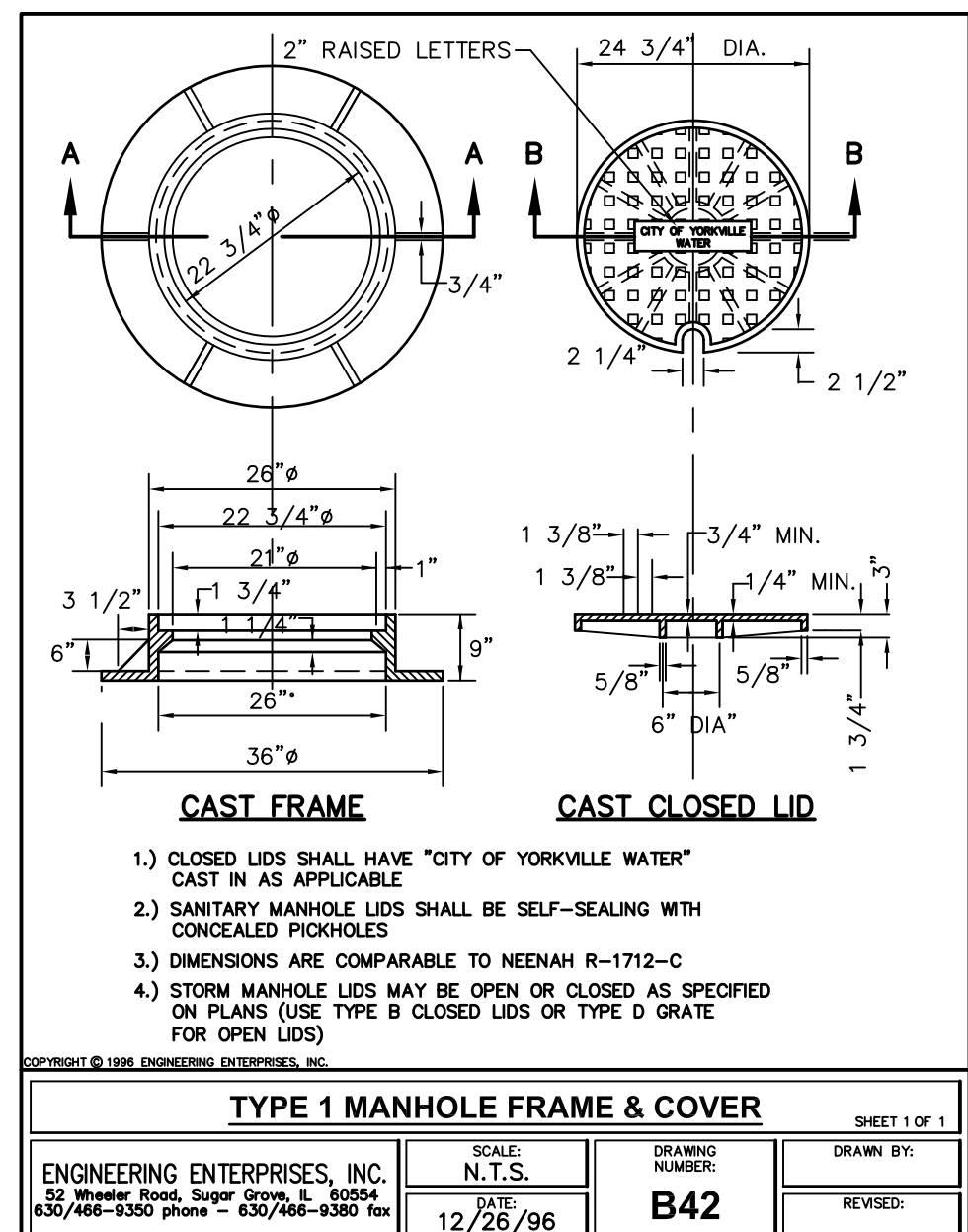
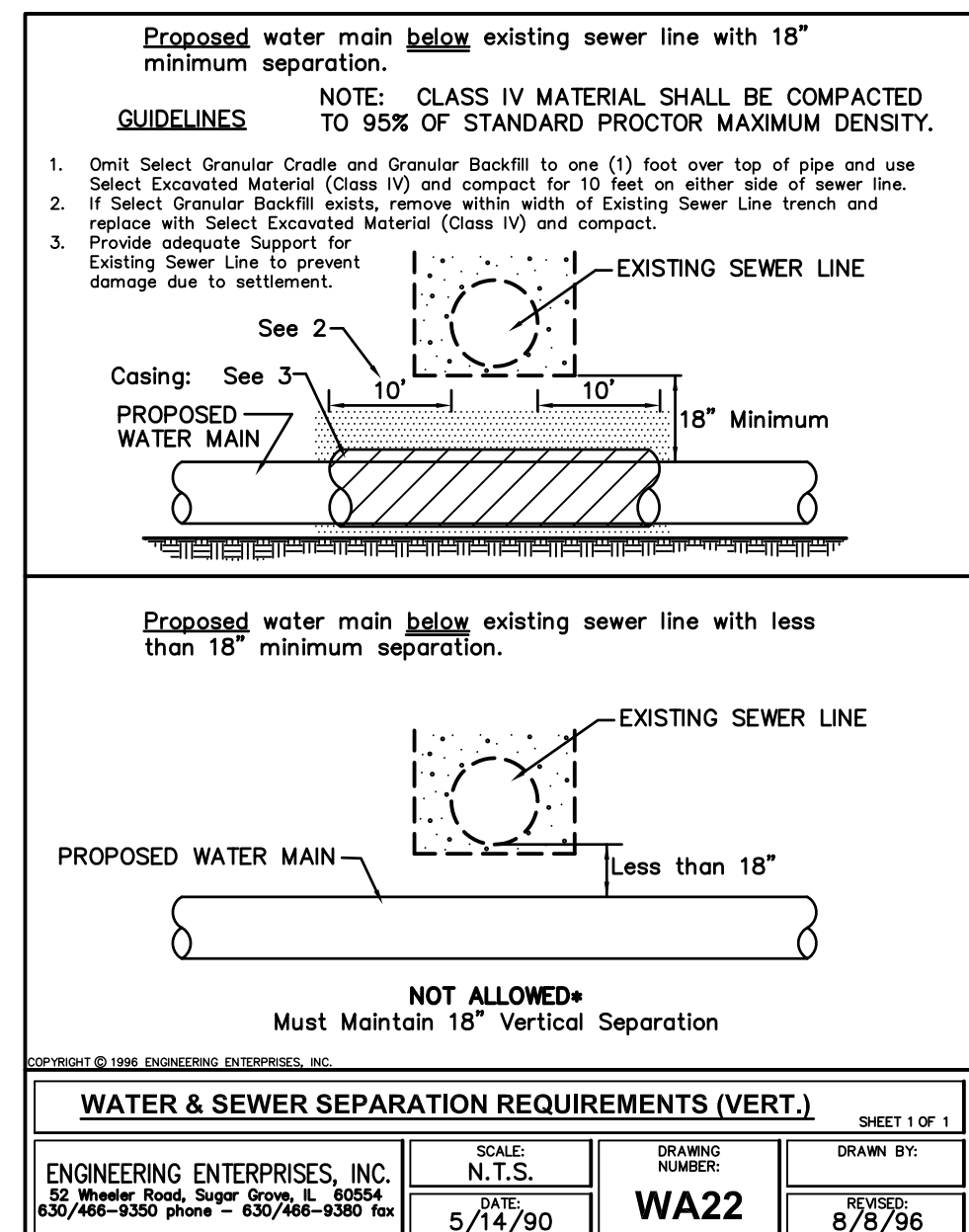
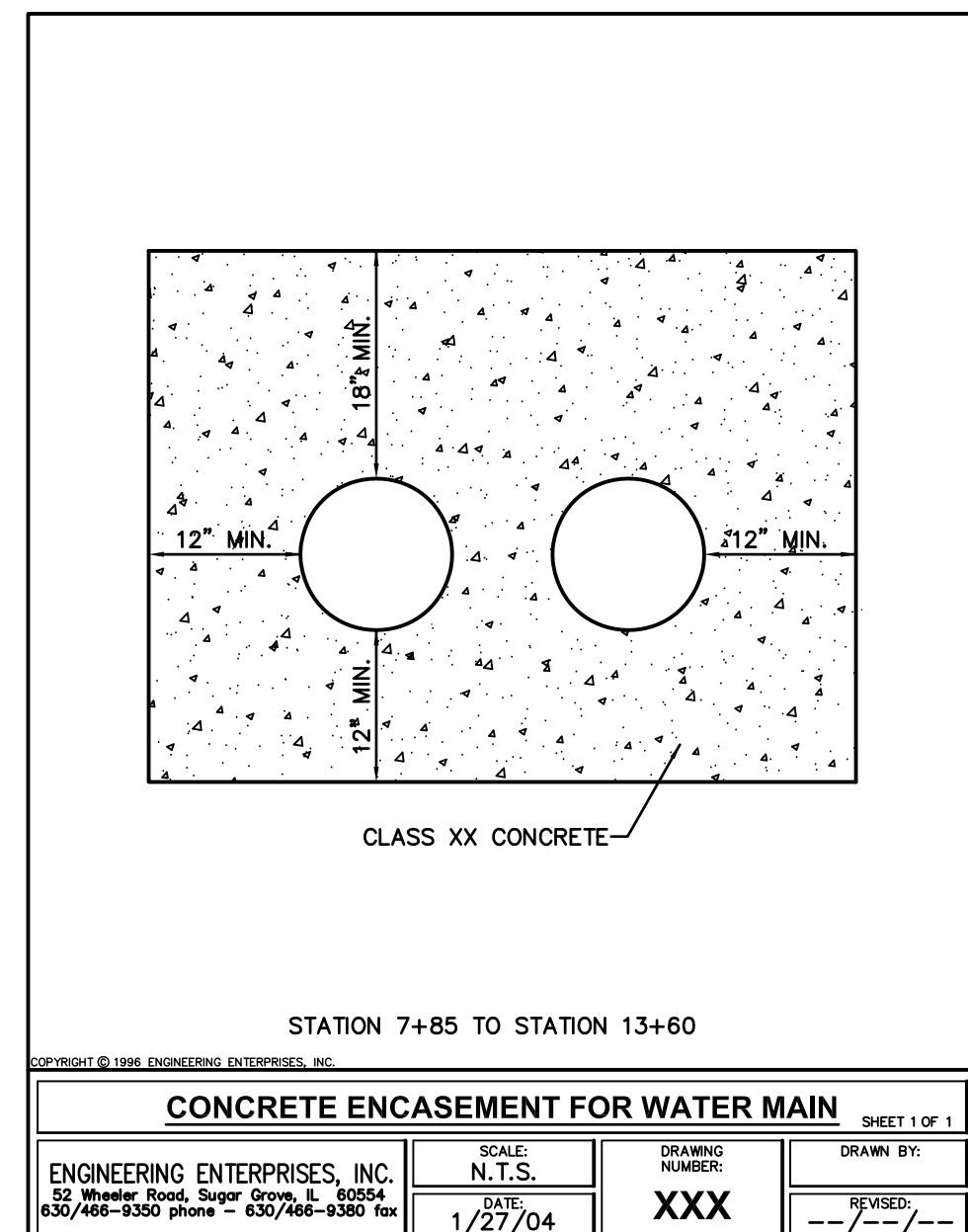
R.O.W. & REMAINING GRASSED AREA: CLASS 1 SEEDING MIXTURE
PERMANENT SEEDING MIXTURE - 50 LBS./AC. KENTUCKY BLUEGRASS
30 LBS./AC. PERENNIAL RYEGRASS
20 LBS./AC. CREEPING RED FESCUE
TEMPORARY SEEDING MIXTURE - 150 LBS./AC. RYE OR WHEAT
100 LBS./AC. OATS

GRASSED WATERWAY AREA: CLASS 5 SEEDING MIXTURE
PERMANENT SEEDING MIXTURE - 15 LBS./AC. KENTUCKY BLUEGRASS
15 LBS./AC. SMOOTH BROMEGRASS
TEMPORARY SEEDING MIXTURE - 150 LBS./AC. RYE OR WHEAT
100 LBS./AC. OATS

SEEDING SCHEDULE	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
PERMANENT SEEDING MIXTURE												
NON IRRIGATED												
IRRIGATED												
DORMANT (DOUBLE RATE)												
TEMPORARY SEEDING MIXTURE												
RYE OR WHEAT												
OATS												

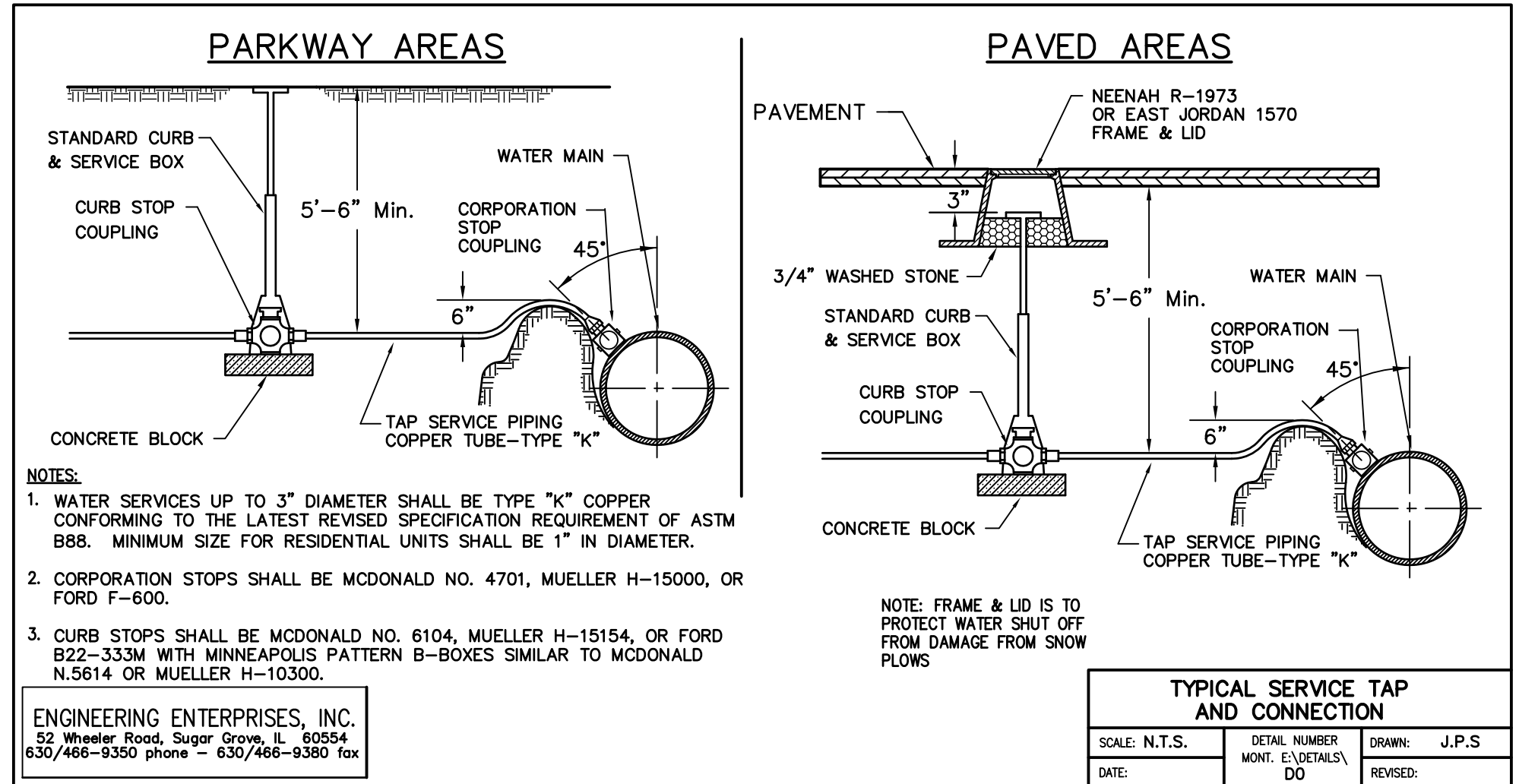
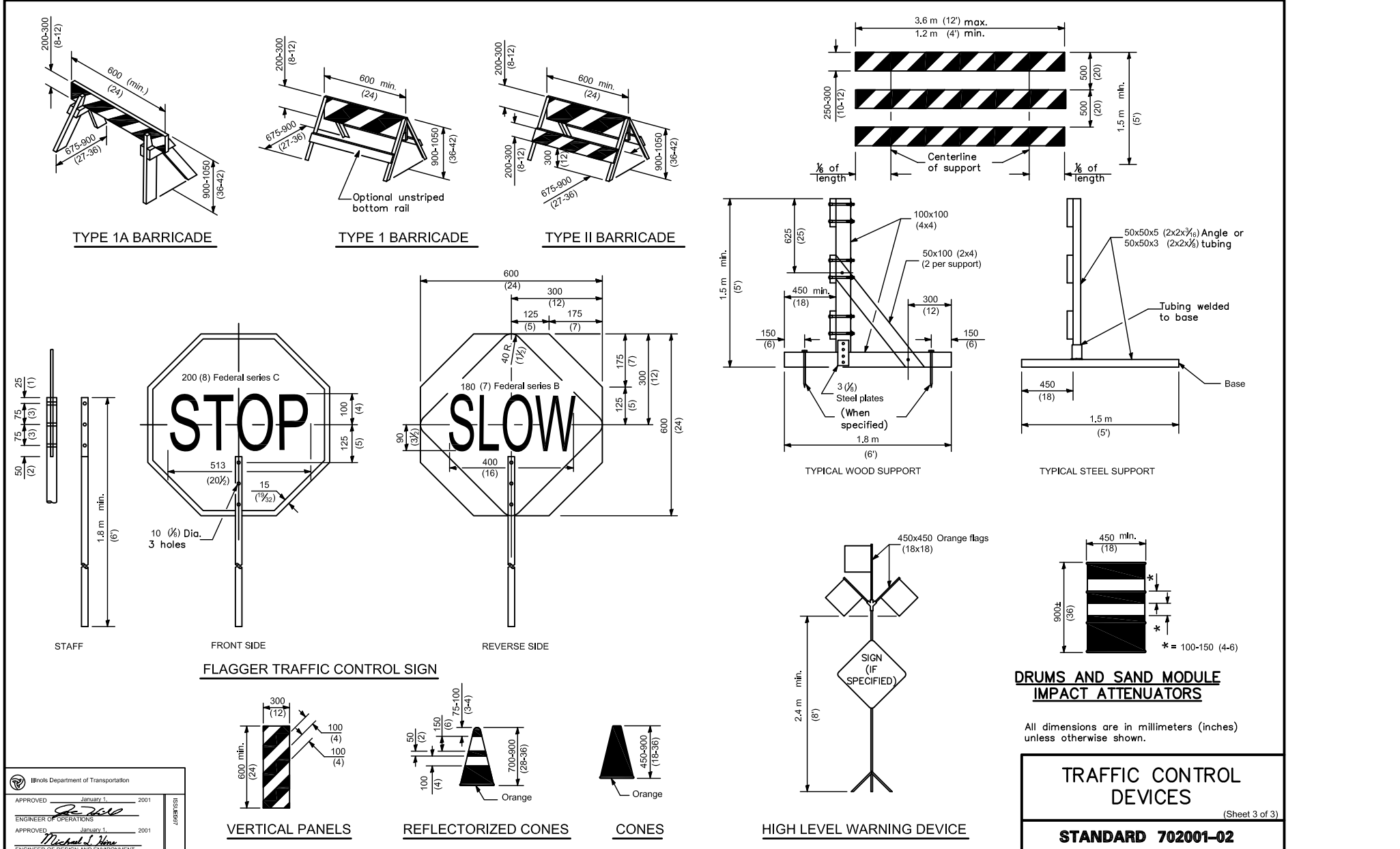
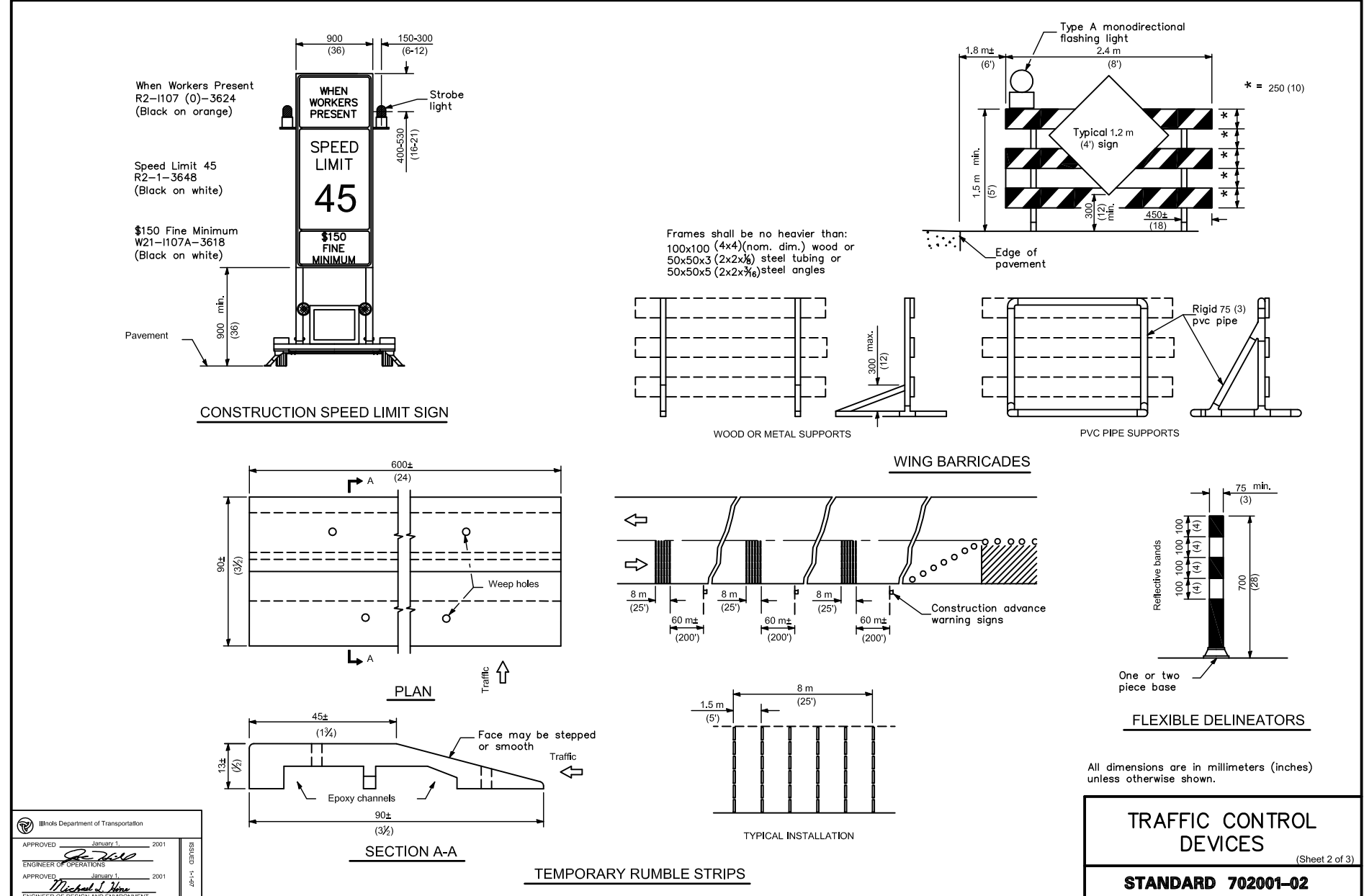
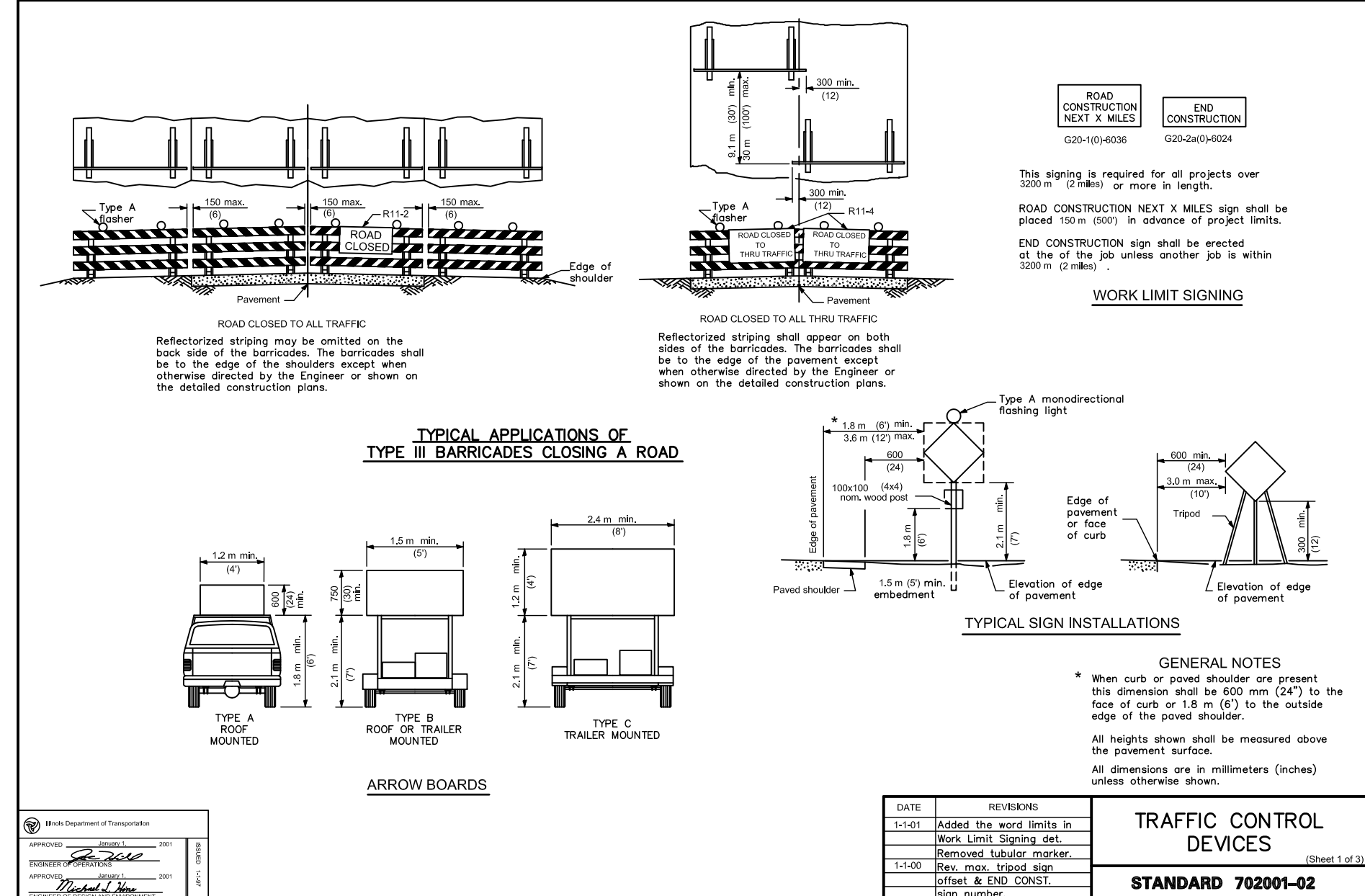
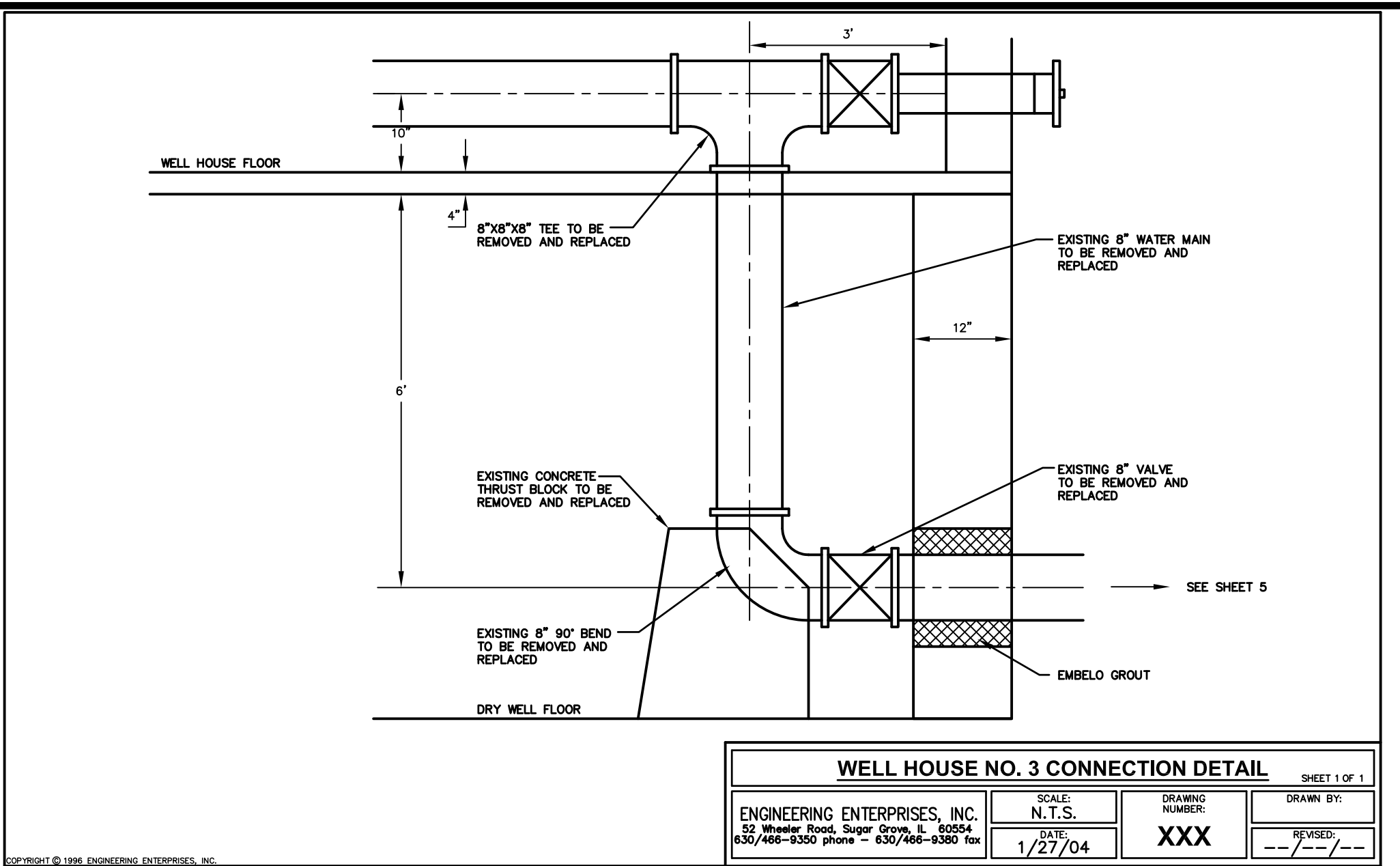
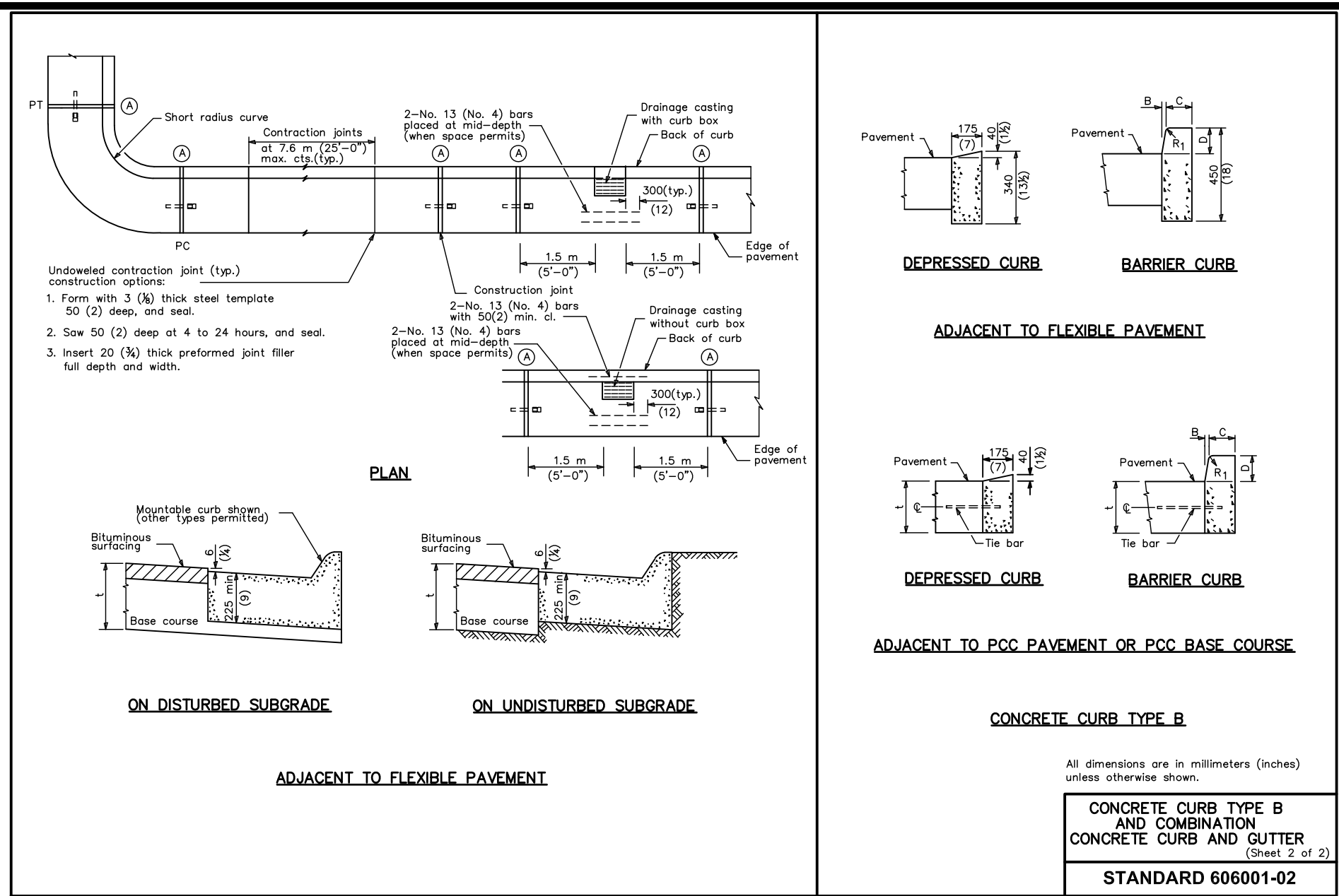
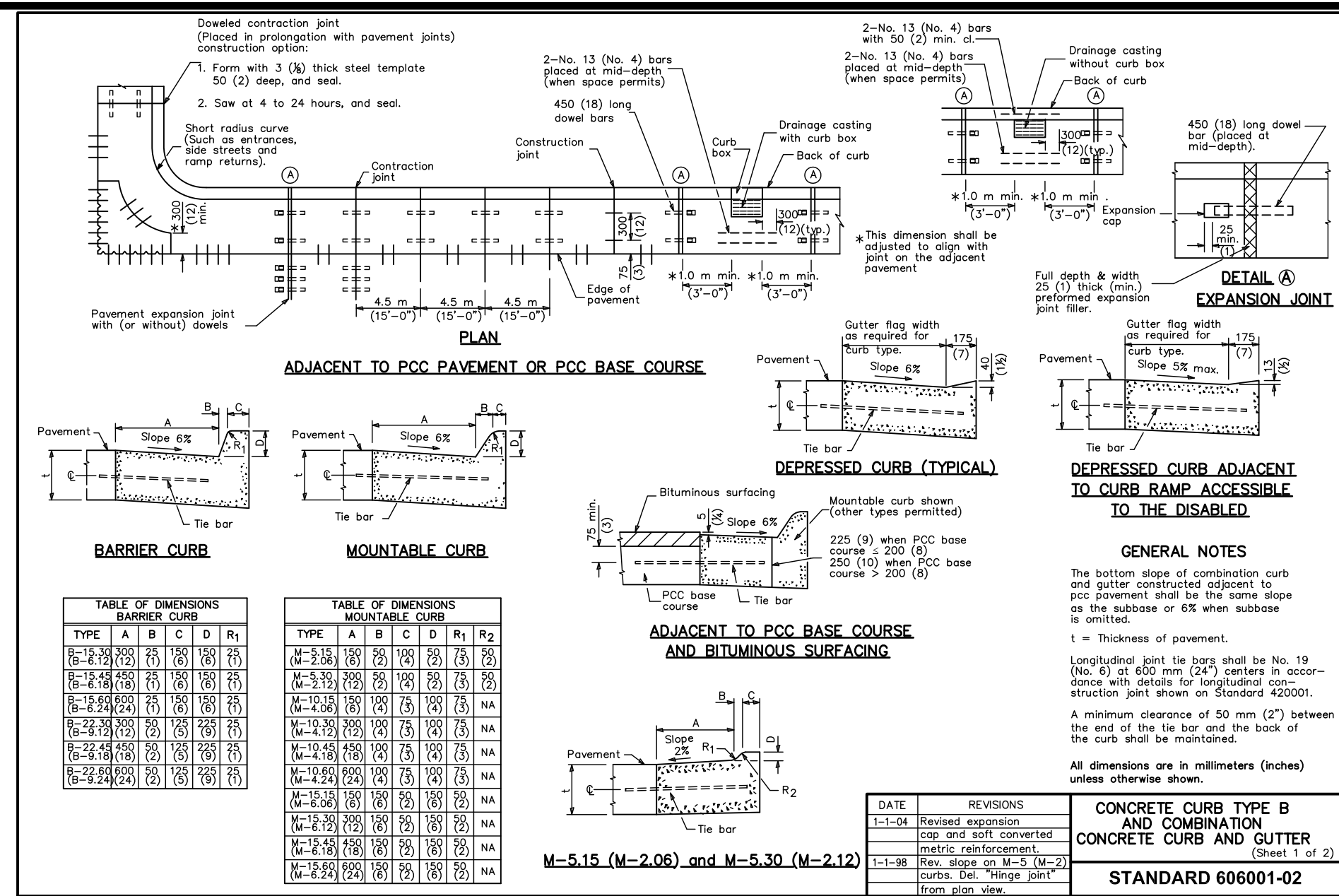
FERTILIZER MIXTURE FOR PROPOSED SEEDING AREAS
NITROGEN (N) 120 LBS./AC.
PHOSPHORUS (P) 52 LBS./AC. OR 120 LBS./AC. P₂O₅
POTASSIUM (K) 100 LBS./AC. OR 120 LBS./AC. K₂O

SEEDING INFORMATION & SCHEDULE SHEET 1 OF 1
ENGINEERING ENTERPRISES, INC. SCALE: N.T.S. DRAWING NUMBER: SE7
52 Wheeler Road, Sugar Grove, IL 60554 830/466-9350 phone - 830/466-9380 fax
DATE: 2/14/90
DRAWN BY: [REDACTED] REVISIONS: 6/06/02



**RECORD DRAWING:
NOVEMBER 8, 2007**

RECORDED INFORMATION IS INDICATED IN *ITALICS*



RECORD DRAWING:
NOVEMBER 8, 2007

RECORDED INFORMATION IS INDICATED IN *ITALICS*

Engineering Enterprises, Inc.
 Consulting Engineers
 52 Wheeler Road
 Sugar Grove, Illinois 60554 630/466-9350

WATER WORKS SYSTEM IMPROVEMENTS
 United City of Yorkville
 Kendall County, Illinois

NO.	DATE	REVISIONS

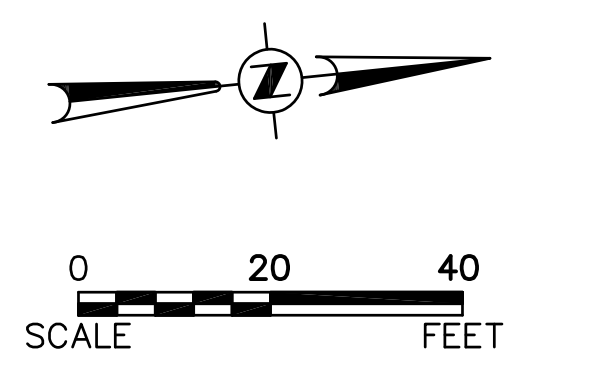
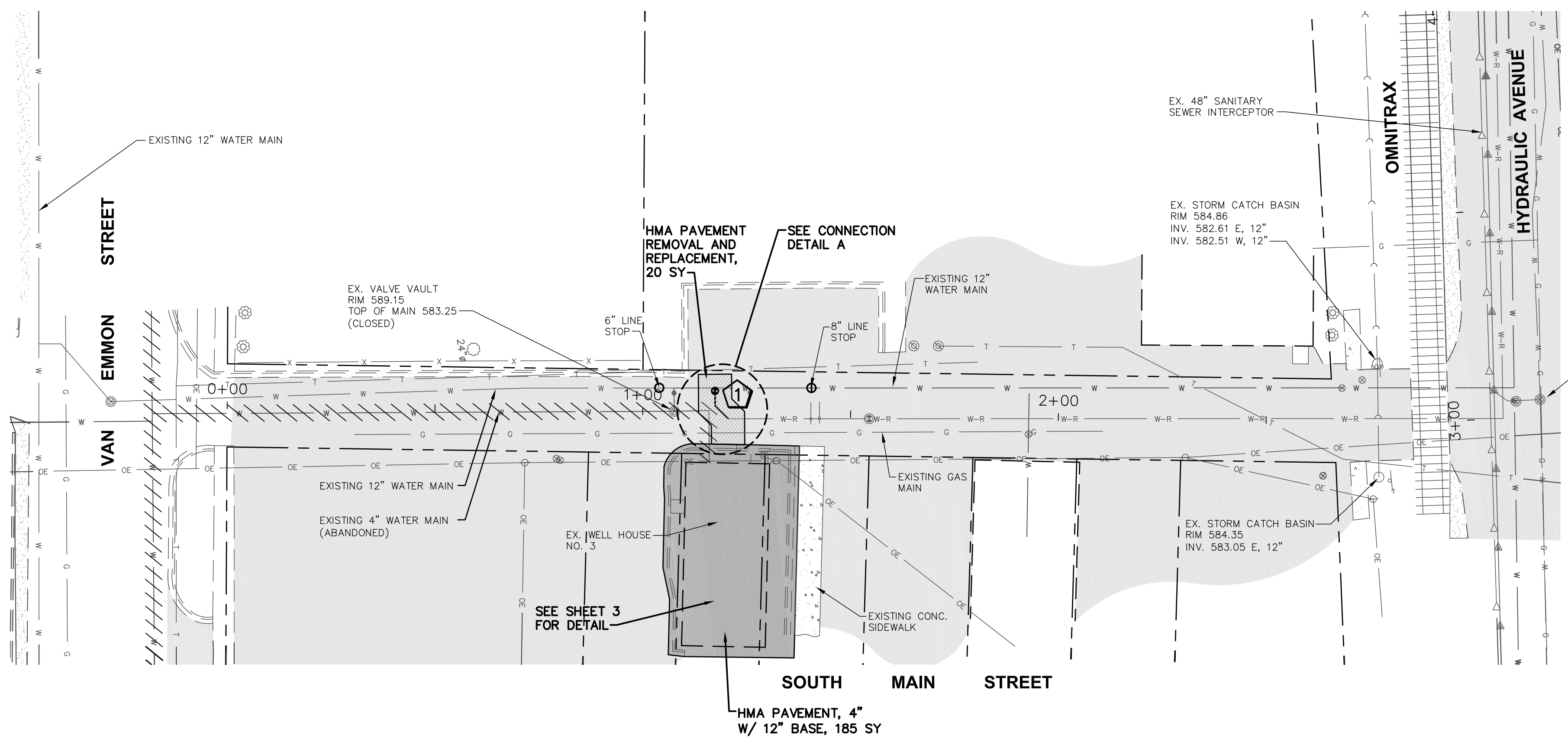
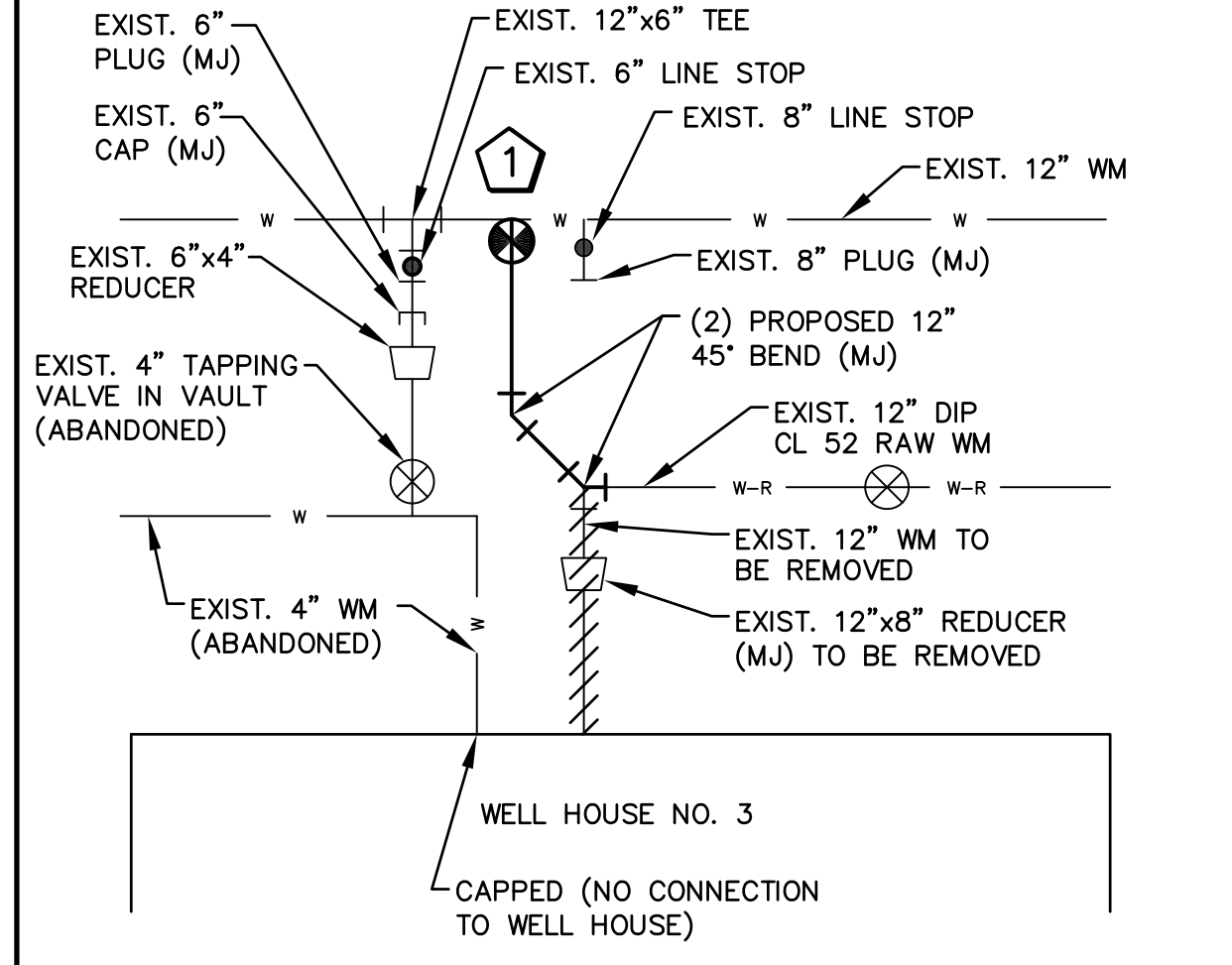
CONTRACT B.3
WELL 3 AND 4 RAW WATER MAIN & KING STREET FINISHED WATER MAIN

TYPICAL DETAILS

DATE: MAY 2004
 DWG. NO. YO010906

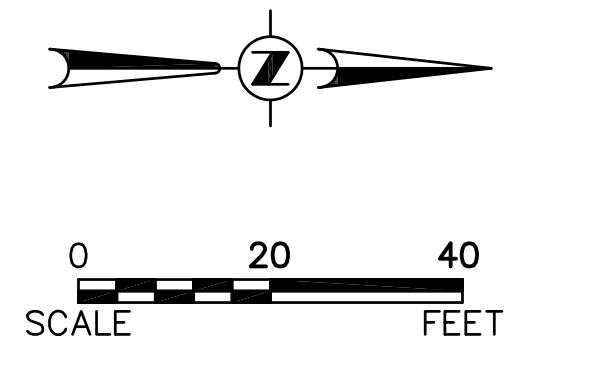
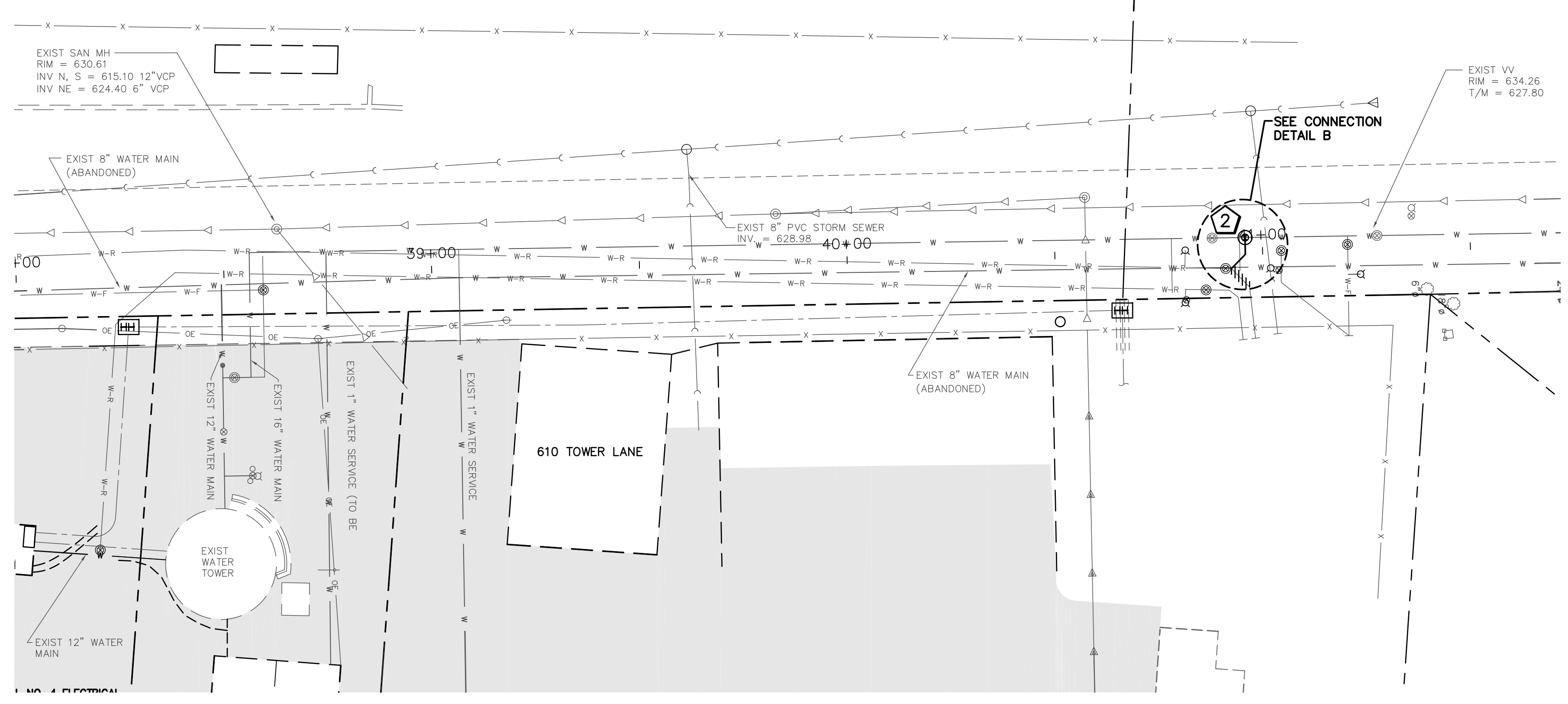
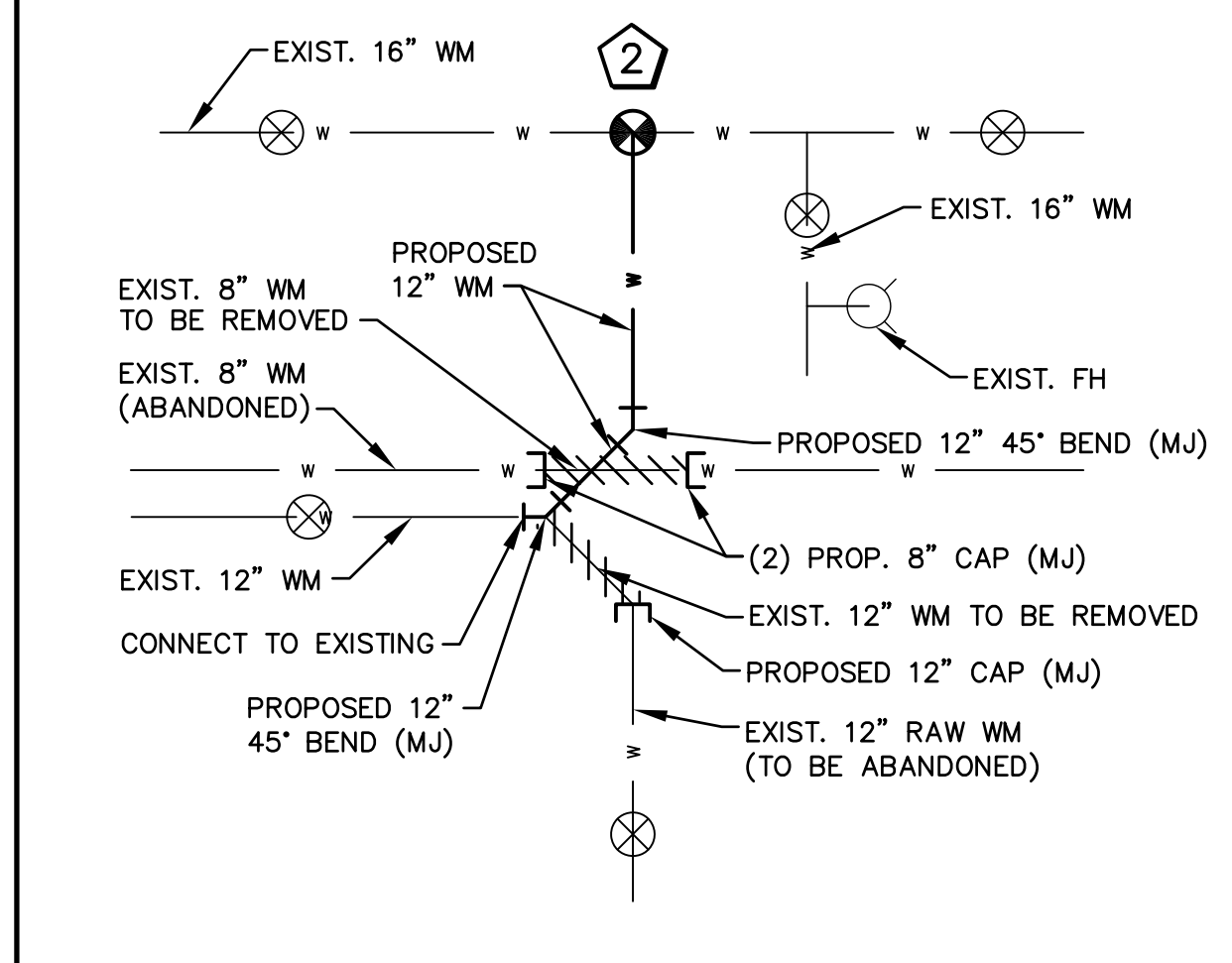
SHEET **22** OF 22

DETAIL A CONNECTION TO EXISTING 12" WATER MAIN



1 VALVE BOX NO. 1
12" TAPPING VALVE
IN A VALVE BOX
RIM = MATCH EXISTING

DETAIL B CONNECTION TO EXISTING 16" WATER MAIN



2 VALVE VAULT NO. 2
12" TAPPING VALVE
IN 60" VAULT
RIM = MATCH EXISTING

NOTE:
SEE ATTACHMENT "A"
FOR EXISTING RAW
WATER MAIN PLANS

Plotted: June 11, 2018 @ 12:57 PM By: Kris Pung - Tab: 02_Conn_Details - 22x34

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Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
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630.466.6700 / www.eeiweb.com

UNITED CITY OF YORKVILLE
800 GAME FARM ROAD
YORKVILLE, IL 60560

0	1	
Bar represents 1" at FULL size plotted scale. Percentage to 1" to be applied to stated scales.		
NO.	DATE	REVISIONS

WELL NO. 3 WATER MAIN RE-PIPING

CONNECTION DETAILS

DATE:	JUNE 2018
PROJECT NO:	YO1804
FILE:	YO1804-DETAIL A&B
SHEET	2 OF 6

Path: \\S05KPRO\YO1804\DWG\FINAL ENG\YO1804-DETAIL A&B

GENERAL NOTES AND CONSTRUCTION SPECIFICATIONS

- THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED APRIL 1, 2016, THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", SEVENTH EDITION, DATED 2014, AND REVISIONS THERETO, THESE IMPROVEMENT PLANS AND DETAILS, SPECIAL PROVISIONS, AND CODES AND ORDINANCES OF THE UNITED CITY OF YORKVILLE, ILLINOIS SHALL GOVERN APPLICABLE PORTIONS OF THIS PROJECT.
- THE CONTRACTOR SHALL BE REQUIRED TO MAKE ARRANGEMENTS FOR THE PROPER BRACING, SHORING AND OTHER REQUIRED PROTECTION OF ALL ROADWAYS, STRUCTURES, POLES, CABLES AND PIPE LINES, BEFORE CONSTRUCTION BEGINS. HE SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE STREETS OR ROADWAYS AND ASSOCIATED STRUCTURES AND SHALL MAKE REPAIRS AS NECESSARY TO THE SATISFACTION OF THE ENGINEER AND CITY AT HIS OWN EXPENSE.
- THE CONTRACTOR SHALL EXAMINE THE PLANS AND SPECIFICATIONS, VISIT THE SITE OF THE WORK AND INFORM HIMSELF/HERSELF FULLY WITH THE WORK INVOLVED, GENERAL AND LOCAL CONDITIONS, ALL FEDERAL, STATE AND LOCAL LAWS, ORDINANCES, RULES AND REGULATIONS AND ALL OTHER PERTINENT ITEMS WHICH MAY AFFECT THE COST AND TIME OF COMPLETION OF THIS PROJECT BEFORE SUBMITTING A PROPOSAL.
- PRIOR TO SUBMITTING HIS BID, THE CONTRACTOR SHALL CALL THE ATTENTION OF THE ENGINEER TO ANY MATERIAL OR EQUIPMENT HE DEEMS INADEQUATE AND TO ANY ITEM OF WORK OMITTED.
- THE PAY ITEMS SHALL BE AS NOTED IN THE SUMMARY OF QUANTITIES/PROPOSAL. ANY ITEM OF WORK THAT IS SHOWN ON THE PLANS TO BE PERFORMED BY THE CONTRACTOR, FOR WHICH THERE IS NO PAY ITEM, SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE PROJECT.
- THE UNDERGROUND CONTRACTOR SHALL BE RESPONSIBLE TO PLACE ON GRADE AND COORDINATE WITH OTHER CONTRACTORS ALL UNDERGROUND STRUCTURE FRAMES SUCH AS CATCH BASINS, INLETS, MANHOLES, HYDRANTS, BUFFALO BOXES, VALVES, ETC. NO ADDITIONAL COMPENSATION SHALL BE PAID AND SAID ADJUSTMENTS SHALL BE CONSIDERED INCIDENTAL TO OTHER ITEMS OF CONSTRUCTION.
- THE CONTRACTOR SHALL RESTORE ANY AREA DISTURBED TO A CONDITION EQUAL TO OR BETTER THAN ITS ORIGINAL USE. THIS SHALL INCLUDE FINISH GRADING, ESTABLISHMENT OF A VEGETATIVE COVER (SEEDING OR SOD), GENERAL CLEANUP AND PAVEMENT REPLACEMENT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFE AND HEALTHFUL WORKING CONDITIONS THROUGHOUT THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.
- THE ENGINEER WILL BE GIVEN FORTY-EIGHT (48) HOURS NOTICE FOR ANY STAKING THAT IS TO BE DONE. EACH OF THE VARIOUS ITEMS OF WORK COVERED BY THIS CONTRACT WILL BE STAKED ONCE. ADDITIONAL STAKING REQUIRED DUE TO THE NEGLIGENCE OF THE CONTRACTOR SHALL BE PAID FOR BY THE CONTRACTOR AT THE CURRENT HOURLY RATE.
- THE CONTRACTOR SHALL INFORM THE ENGINEER BEFORE WORK COMMENCES ON EACH CATEGORY OF CONSTRUCTION, I.E. WATER MAIN, GRADING, PAVEMENT AND DRAINAGE IMPROVEMENT A TWENTY-FOUR (24) HOUR NOTICE SHALL BE GIVEN FOR ANY ITEM THAT REQUIRES FINAL TESTING AND INSPECTION SUCH AS CONCRETE WORK, PAVING, WATER MAINS OR SANITARY SEWERS.
- THE ENGINEER SHALL REPLACE ALL LOT IRONS DAMAGED OR REMOVED DURING CONSTRUCTION OF THIS PROJECT AND THE CONTRACTOR SHALL PAY SAID COST OF REPLACEMENT.
- BEFORE ACCEPTANCE BY THE CITY AND FINAL PAYMENT, ALL WORK SHALL BE INSPECTED AND APPROVED BY THE ENGINEER. FINAL PAYMENT SHALL BE MADE AFTER ALL OF THE CONTRACTOR'S WORK HAS BEEN APPROVED AND ACCEPTED.
- THE CONTRACTOR WILL HAVE IN HIS POSSESSION ON THE JOB SITE A COPY OF THE PLANS AND SPECIFICATIONS DURING CONSTRUCTION.
- IF ANY APPROVED EQUAL ITEMS ARE REQUIRED, THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR APPROVAL.
- ANY DRAIN AND/OR FIELD TILE ENCOUNTERED BY THE CONTRACTOR DURING THE INSTALLATION OF THE IMPROVEMENTS SHALL BE RETURNED TO ORIGINAL CONDITION. THIS WORK TO BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- ALL ROAD SIGNS, STREET SIGNS AND TRAFFIC SIGNS WHICH NEED TO BE RELOCATED OR MOVED DUE TO CONSTRUCTION SHALL BE TAKEN DOWN AND STORED BY THE CONTRACTOR AT HIS OWN EXPENSE, EXCEPT THOSE WHICH ARE NECESSARY FOR PROPER TRAFFIC CONTROL WHICH SHALL BE TEMPORARILY RESET UNTIL COMPLETION OF CONSTRUCTION OPERATIONS. AFTER COMPLETION OF THE WORK, THE CONTRACTOR SHALL RESET, AT HIS EXPENSE, ALL SAID SIGNS.
- NO EXCAVATIONS WILL BE PERMITTED TO REMAIN OPEN OVER ANY WEEKEND.
- "BAND-SEAL" OR SIMILAR COUPLINGS SHALL BE USED WHEN JOINING SEWER PIPES OF DISSIMILAR MATERIALS.
- AS-BUILT DRAWINGS SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER AS SOON AS THE SITE IMPROVEMENTS ARE COMPLETED. ANY CHANGE IN LENGTH, LOCATION OR ALIGNMENT SHALL BE SHOWN IN RED.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ANY REQUIRED INSPECTIONS OR OBSERVATIONS WITH THE ENGINEER AND/OR UNITED CITY OF YORKVILLE.
- SPECIAL ATTENTION IS DRAWN TO THE FACT THAT ARTICLE 105.06 OF THE STANDARD SPECIFICATIONS REQUIRES THE CONTRACTOR TO HAVE A COMPETENT SUPERINTENDENT ON THE PROJECT SITE AT ALL TIMES, IRRESPECTIVE OF THE AMOUNT OF WORK SUBLET. THE SUPERINTENDENT SHALL BE CAPABLE OF READING AND UNDERSTANDING THE PLANS AND SPECIFICATIONS, SHALL HAVE FULL AUTHORITY TO EXECUTE ORDERS TO EXPEDITE THE PROJECT, SHALL BE RESPONSIBLE FOR SCHEDULING AND HAVE CONTROL OF ALL WORK AS THE AGENT OF THE CONTRACTOR. FAILURE TO COMPLY WITH THIS PROVISION WILL RESULT IN A SUSPENSION OF WORK AS PROVIDED IN ARTICLE 108.07.
- THE ENGINEER AND CITY ARE NOT RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, TIME OF PERFORMANCE, PROGRAMS OR OTHER SAFETY PRECAUTIONS USED BY THE CONTRACTOR. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF HIS WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL CONSTRUCT THE WATER MAIN TO AVOID CONFLICTS WITH THE EXISTING WATER AND SANITARY SERVICES.
- THE CONTRACTOR SHALL CONFIRM DEPTHS AND LOCATIONS OF EXISTING UTILITIES AND SERVICES PRIOR TO THE START OF CONSTRUCTION (INCIDENTAL). WHEN ANY CONFLICT OCCURS IN A PAYMENT CROSSING, THE UTILITY VERIFICATION SHALL BE COORDINATED TO LIMIT THE LENGTH OF TIME NEEDED FOR LANE CLOSURES. ALL UTILITY CROSSINGS SHALL BE WITNESSED BY THE ENGINEER AND SHALL BE CONSTRUCTED ACCORDING TO THE WATER MAIN PROTECTION REQUIREMENTS OF THE IEPA.
- THE CONTRACTOR SHALL VERIFY THE LOCATION OF THE EXISTING B-BOXES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL MAKE ADJUSTMENTS TO THE WATER MAIN ALIGNMENT TO AVOID CONFLICTS WITH THE EXISTING B-BOXES. THE LOCATION OF THE NEW B-BOXES AND ANY ADJUSTMENTS SHALL BE APPROVED BY THE CITY AND ENGINEER PRIOR TO CONSTRUCTION. THE VERIFICATION AND ADJUSTMENTS OF THE B-BOXES SHALL BE CONSIDERED INCIDENTAL TO THE WATER MAIN OR WATER SERVICE CONSTRUCTION.
- THE CONTRACTOR SHALL MAKE REASONABLE EFFORTS TO PROTECT SIDEWALK AND CURB AND GUTTER THAT IS NOT DIRECTLY IMPACTED BY THE WATER MAIN TRENCH. SIDEWALK AND CURB AND GUTTER DAMAGED DURING CONSTRUCTION WILL BE REMOVED AND REPLACED AS DEEMED NECESSARY BY THE CITY AND ENGINEER. ANY UNNECESSARILY DAMAGED SIDEWALK AND CURB AND GUTTER WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- BITUMINOUS PAVEMENT OVER THE UTILITY TRENCH SHALL BE SAWCUT BEFORE EXCAVATION AND SAWCUT PRIOR TO PATCHING TO LEAVE A NEAT LINE FOR PAVEMENT REPLACEMENT (INCIDENTAL). MAX PAYMENT WIDTH FOR PAVEMENT REMOVAL AND REPLACEMENT SHALL BE ACCORDING TO THE FOLLOWING CHART. ANY PAVEMENT REMOVAL AND REPLACEMENT BEYOND THESE LIMITS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

MAX PAY WIDTH FOR PAVEMENT REPLACENT

PIPE DIAMETER	MAX PAVEMENT PAY WIDTH
SERVICE	5.1'
4"	5.4'
6"	5.6'
8"	5.8'
10"	6.0'
12"	6.2'

WATER MAIN CONSTRUCTION

- ALL WATER MAIN CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", LATEST EDITION, AND REVISIONS THERETO, THE NOTES AND ON THE PLANS, AND IN ACCORDANCE WITH CODES AND ORDINANCES OF THE UNITED CITY OF YORKVILLE, ILLINOIS.
- ALL WATER MAIN SHALL BE DUCTILE IRON PIPE CLASS 52 WITH MECHANICAL OR PUSH-ON JOINTS AND SHALL CONFORM TO ANSI A21.51 (AWWA C151), ANSI A21.50 (AWWA C150) AND ANSI A21.11 (AWWA C111). PIPE SHALL BE MANUFACTURED IN THE UNITED STATES.
- ALL FITTINGS SHALL BE DUCTILE IRON AND SHALL CONFORM TO ANSI A21.10 (AWWA C153). FITTINGS SHALL BE MANUFACTURED IN THE UNITED STATES.
- ALL PIPE AND FITTINGS SHALL BE CEMENT LINED IN ACCORDANCE WITH ANSI A21.4 (AWWA C104).
- ALL FITTINGS SHALL BE MECHANICAL JOINT AND INSTALLED WITH RETAINER GLANDS UNLESS OTHERWISE SHOWN ON THE DRAWINGS.
- ALL MECHANICAL JOINT FITTINGS, VALVES AND HYDRANTS SHALL BE RESTRAINED WITH RETAINER GLANDS. RETAINER GLANDS SHALL BE EBAA IRON MEGALUG SERIES 1100 OR APPROVED EQUAL.
- ALL WATER MAIN AND FITTINGS SHALL BE WRAPPED WITH POLYETHYLENE. POLYETHYLENE SHALL HAVE A THICKNESS OF 8-MIL IN ACCORDANCE WITH ANSI A21.5 (AWWA C105).
- LONG RADIUS CURVES, EITHER HORIZONTAL OR VERTICAL, MAY BE LAID WITH STANDARD PIPE BY DEFLECTIONS AT THE JOINTS. MAXIMUM DEFLECTIONS AT PIPE JOINTS AND LAYING RADIUS FOR THE VARIOUS PIPE LENGTHS SHALL BE IN ACCORDANCE WITH AWWA C500. WHEN RUBBER GASKET PIPE IS LAID ON A CURVE, THE PIPE SHALL BE JOINTED IN A STRAIGHT ALIGNMENT AND THEN DEFLECTED TO THE CURVED ALIGNMENT. TRENCHES SHALL BE MADE WIDER ON CURVES FOR THIS PURPOSE.
- ALL GATE VALVES SHALL BE RESILIENT WEDGE TYPE CONFORMING TO AWWA C509 AND HAVE A NON-RISING STEM, WITH A STANDARD OPERATING NUT AND SHALL OPEN IN A COUNTER-CLOCKWISE DIRECTION. GATE VALVES 10-INCHES OR LARGER SHALL BE IN VALVE VAULTS. GATE VALVES UNDER 10-INCHES SHALL BE INSTALLED WITH A TRENCH ADAPTOR VALVE BOX. VAULTS OR VALVE BOXES SHALL BE LOCATED OUTSIDE OF PAVEMENT OR SIDEWALK, IF AT ALL POSSIBLE.
- ALL VALVES 16-INCHES OR LARGER SHALL BE BUTTERFLY VALVES WITH A NON-RISING STEM, SHALL HAVE A STANDARD OPERATING NUT AND SHALL OPEN IN A COUNTER-CLOCKWISE DIRECTION. BUTTERFLY VALVES SHALL BE CLOW OR AMERICAN FLOW CONTROL (WATEROUS) BUTTERFLY VALVES IN ACCORDANCE WITH AWWA C-504-00. BUTTERFLY VALVES SHALL BE IN VALVE VAULTS.
- ALL VALVE BOXES SHALL BE TRENCH ADAPTER MODEL 6 BY AMERICAN FLOW CONTROL, OR CAST IRON TWO PIECE 5 1/4" SHAFTS SCREW TYPE TYLER MODEL 664-S, OR APPROVED EQUAL. LIDS TO BE MARKED "WATER" (VALVE BOX EXTENSIONS IF REQUIRED ARE CONSIDERED INCIDENTAL).
- ALL HYDRANTS SHALL BE IN ACCORDANCE WITH AWWA C502 AND SHALL BE A CLOW F-2545 (MEDALLION) OR A AMERICAN FLOW CONTROL - WATEROUS WB-67-250 WITH ONE 4 1/2" STEAMER NOZZLE AND TWO 2 1/2" HOSE NOZZLES, WITH NATIONAL STANDARD TREADS, A NATIONAL STANDARD OPERATING NUT, AND ABOVE GROUND BREAK FLANGE. ALL HYDRANTS SHALL HAVE AN AUXILIARY GATE VALVE WITH A TRENCH ADAPTER MODEL 6 VALVE BOX OR C.I. VALVE BOX WITH GRIPARMS BY BLR ENTERPRISES.
- REPAIR COUPLINGS SHALL BE SMITH BLAIR (ROCKWELL) D.I. COUPLING TYPE 441 OR EQUAL. COUPLINGS SHALL BE PROVIDED AT LOCATIONS SHOWN ON THE PLANS OR AS REQUIRED TO MAKE PIPE CONNECTIONS.
- ALL TEES, BENDS, FIRE HYDRANTS AND VALVES SHALL BE ADEQUATELY SUPPORTED WITH A CONCRETE BASE, AND SUPPORTED LATERALLY WITH POURED IN PLACE THRUST BLOCKING AGAINST UNDISTURBED EARTH.
- ALL WATER MAINS SHALL HAVE A MINIMUM DEPTH OF COVER OF 5'-6".
- ALL PRESSURE TAPS TO AN EXISTING CITY MAIN SHALL BE MADE WITH A CLOW OR AMERICAN FLOW CONTROL (WATEROUS) DUCTILE IRON MECHANICAL JOINT TAPPING SLEEVE FOR SAME SIZE TAPS WITH THE MAIN. DISSIMILAR SIZE TAPS AND MAINS SHALL BE MADE WITH STAINLESS STEEL TAPPING SLEEVES AND SHALL BE MUELLER H-304, SMITH BLAIR (ROCKWELL) 662-663 OR 664-665 OR ROMAC SST. A CLOW OR AMERICAN FLOW CONTROL (WATEROUS) RESILIENT TAPPING VALVE AND SHALL BE INSTALLED WITH THE TAPPING SLEEVE. THE TAPPING SLEEVE AND VALVE SHALL BE CONSTRUCTED IN A VALVE VAULT WITH ECCENTRIC COUPE.
- NO WATER SERVICE TAPS SHALL BE MADE PRIOR TO THE CITY RECEIVING THE IEPA OPERATING PERMIT.
- WATER MAINS AND WATER SERVICE LINES SHALL BE PROTECTED FROM SANITARY SEWERS, STORM SEWERS, COMBINED SEWERS, HOUSE SEWER CONNECTIONS AND DRAINS IN ACCORDANCE WITH TITLE 35: ENVIRONMENTAL PROTECTION AGENCY SUBTITLE F: PUBLIC WATER SUPPLIES, CHAPTER II: ENVIRONMENTAL PROTECTION AGENCY, PARTS 651-654 TECHNICAL POLICY STATEMENTS, SECTION 653.119.
- WHENEVER POSSIBLE, A WATER MAIN MUST BE LAID AT LEAST TEN FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED DRAIN OR SEWER LINE. SHOULD LOCAL CONDITIONS EXIST WHICH WOULD PREVENT A LATERAL SEPARATION OF TEN FEET, A WATER MAIN MAY BE LAID CLOSER THAN TEN FEET TO A STORM OR SANITARY SEWER PROVIDED THAT THE WATER MAIN INVERT IS AT LEAST EIGHTEEN INCHES ABOVE THE CROWN OF THE SEWER, AND IS EITHER IN A SEPARATE TRENCH OR IN THE SAME TRENCH ON AN UNDISTURBED EARTH SHELF LOCATED TO ONE SIDE OF THE SEWER. IF IT IS IMPOSSIBLE TO OBTAIN PROPER HORIZONTAL OR VERTICAL SEPARATION AS DESCRIBED ABOVE, THEN THE SEWER MUST ALSO BE CONSTRUCTED OF WATER MAIN TYPE MATERIAL (DUCTILE IRON PIPE WITH SLIP-ON OR MECHANICAL JOINTS, PRESTRESSED REINFORCED CONCRETE PIPE WITH ASTM C-443 JOINTS, ETC.) AND PRESSURE TESTED TO THE MAXIMUM EXPECTED SURCHARGE HEAD TO ASSURE WATER TIGHTNESS BEFORE BACKFILLING.
- WHENEVER WATER MAINS MUST CROSS HOUSE SEWERS, STORM SEWERS OR SANITARY SEWERS, THE WATER MAIN SHALL BE LAID AT SUCH AN ELEVATION THAT THE INVERT OF THE WATER MAIN IS EIGHTEEN INCHES ABOVE THE CROWN OF THE DRAIN OR SEWER. THIS VERTICAL SEPARATION MUST BE MAINTAINED FOR THAT PORTION OF THE WATER MAIN LOCATED WITHIN TEN FEET HORIZONTALLY OF ANY SEWER OR DRAIN CROSSED. THIS MUST BE MEASURED AS THE NORMAL DISTANCE FROM THE WATER MAIN TO THE DRAIN OR SEWER. IF IT IS IMPOSSIBLE TO OBTAIN THE PROPER VERTICAL SEPARATION AS DESCRIBED ABOVE, OR IF IT IS NECESSARY FOR THE WATER MAIN TO PASS UNDER A SEWER OR DRAIN, THEN THE SEWER MUST BE CONSTRUCTED OF WATER MAIN TYPE MATERIAL (AS NOTED IN ITEM 2). THIS CONSTRUCTION MUST EXTEND ON EACH SIDE OF THE CROSSING UNTIL THE NORMAL DISTANCE FROM THE WATER MAIN TO THE SEWER OR DRAIN LINE IS AT LEAST TEN FEET. IN MAKING SUCH CROSSINGS, CENTER A LENGTH OF WATER MAIN PIPE OVER/UNDER THE SEWER TO BE CROSSED SO THAT THE JOINTS WILL BE EQUIDISTANT FROM THE SEWER AND AS REMOTE THEREFROM AS POSSIBLE. WHERE A WATER MAIN MUST CROSS UNDER A SEWER, A VERTICAL SEPARATION OF EIGHTEEN INCHES BETWEEN THE INVERT OF THE SEWER AND THE CROWN OF THE WATER MAIN SHALL BE MAINTAINED, ALONG WITH MEANS TO SUPPORT THE SEWER LINE TO PREVENT THEIR SETTLING AND BREAKING THE WATER MAIN.
- VALVE VAULTS SHALL BE ADJUSTED WITH PRECAST CONCRETE ADJUSTING RINGS TO A MAXIMUM OF 0"-8".
- HYDROSTATIC TESTS - THE CONTRACTOR SHALL PERFORM HYDROSTATIC TESTS IN ACCORDANCE WITH DIVISION IV, SECTION 41 OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION, AND APPLICABLE PROVISIONS OF AWWA C-600 AND C-605. THE WATER MAINS SHALL MAINTAIN A 150 PSI AVERAGE FOR UP TO 4 HOURS DURING THE TEST. ALLOWABLE LEAKAGE SHALL BE AS SET FORTH IN STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION. THE CITY WATER OPERATOR IN CHARGE OR PERSON AUTHORIZED BY THE CITY WATER OPERATOR IN CHARGE SHALL BE PRESENT DURING ALL TESTING. THE CONTRACTOR SHALL USE A PRESSURE GAGE SUPPLIED BY THE CITY FOR THE TEST.
- DISINFECTION OF THE WATER MAIN - UPON COMPLETION OF THE NEWLY LAID WATER MAINS, THE WATER MAINS SHALL BE DISINFECTED IN ACCORDANCE WITH THE AMERICAN WATER WORKS ASSOCIATION, PROCEDURE DESIGNATION, AWWA C-651, LATEST EDITION. WATER SHALL BE TESTED TO ASSURE THAT 50MG/L OF CL2 IS IN DISINFECTED WATER. THE CITY OPERATOR IN CHARGE OR PERSON AUTHORIZED BY THE CITY SHALL PERFORM SAMPLING AND PROCESSING OF THE TEST SAMPLE AND TEST RESULTS. THE COST OF THE WATER SAMPLING AND TESTING SHALL BE BORNE BY THE CITY. WATER MUST PASS TWO CONSECUTIVE DAYS OF SAMPLING TESTS BY A STATE APPROVED LAB.
- WATER VALVES AND FIRE HYDRANTS SHALL ONLY BE OPERATED BY UNITED CITY OF YORKVILLE WATER DEPARTMENT PERSONNEL. PLEASE CONTACT THE WATER DEPARTMENT AT 630-553-4372.

SOIL EROSION AND SEDIMENTATION CONTROL

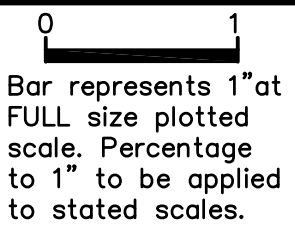
THE CONTRACTOR SHALL PROVIDE SOIL EROSION AND SEDIMENTATION CONTROL IN ACCORDANCE WITH THE "PROCEDURES AND STANDARDS FOR SOIL EROSION AND SEDIMENTATION CONTROL IN NORTHEASTERN ILLINOIS" (REVISED JULY, 1988) PREPARED BY THE NORTHEASTERN ILLINOIS EROSION AND SEDIMENTATION CONTROL STEERING COMMITTEE AND THE "ILLINOIS URBAN MANUAL", PUBLISHED BY THE USDA/NRCS FOR THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY (LATEST EDITION) AND IN ACCORDANCE WITH THE PLANS.

SOIL STABILIZATION

- TOPSOIL AND VEGETATIVE COVER - STRIP TOPSOIL AND REMOVE EXISTING VEGETATION. STOCKPILE ON-SITE (FOR REUSE) AT LOCATION DESIGNATED.
- TEMPORARY SEEDING - TEMPORARY SEEDING SHALL BE PROVIDED WITHIN 15 DAYS TO ANY DISTURBED AREAS THAT ARE SCHEDULED TO REMAIN DENUDED FOR LONGER THAN 60 DAYS. IF REQUIRED, ALL TEMPORARY SEEDING SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE CONTRACT.
- PERMANENT SEEDING - IMMEDIATELY FOLLOWING FINISH GRADING AND TOPSOIL PLACEMENT INSTALL SEEDING IN AREAS AS DESIGNATED ON PLANS.
- PAVED AREAS - INSTALL THE AGGREGATE BASE AS SOON AS POSSIBLE IN THE CONSTRUCTION SEQUENCE TO PROVIDE REQUIRED STABILIZATION.
- SLOPE PROTECTION - PROTECT SEEDING ON STEEP SLOPES WITH EROSION CONTROL BLANKET.

SEDIMENT CONTROL

- ADJACENT PROPERTY - PROTECT ADJACENT PROPERTY FROM SEDIMENT DEPOSITION BY PRESERVING A VEGETATED BUFFER STRIP OR BY SEDIMENT BARRIERS OR FILTERS AT THE LOWER PERIMETER OF THE LOT.
- SEDIMENTATION CONTROL SHALL BE PROVIDED IN ALL AREAS AROUND THE PERIMETER OF ALL STOCKPILE AREAS.
- STORM SEWER INLET PROTECTION
 - GRASS AREAS - INSTALL AND MAINTAIN INLET PROTECTORS AT EACH OPEN GRATE STORM STRUCTURE UNTIL AREA TRIBUTARY TO SAID CATCH BASIN HAS BEEN COMPLETELY REVEGETATED.
 - PAVED AREAS - INSTALL AND MAINTAIN INLET PROTECTORS AT ALL INLET STRUCTURES UNTIL AREAS TRIBUTARY TO SAID INLET HAVE BEEN PAVED AND /OR COMPLETELY REVEGETATED.
- DITCH CHECKS SHALL BE INSTALLED AND STAKED IN PLACE AT 250 LINEAR FEET MAXIMUM SPACING IN ALL SWALES. ALL DITCH CHECKS SHALL BE CONSIDERED INCIDENTAL TO CONTRACT.
- PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT (MUD) BY RUNOFF OR VEHICLE TRACKING ONTO STATE, COUNTY OR TOWNSHIP HIGHWAYS OR LOCAL STREETS. IF NECESSARY, STATE, COUNTY OR TOWNSHIP HIGHWAYS OR LOCAL STREETS SHALL BE CLEANED DAILY AT THE END OF EACH WORK DAY OR AS REQUIRED TO KEEP MUD AND/OR OTHER DEBRIS OFF OF ANY HIGHWAY OR STREET.
- REMOVAL OF CONTROL MEASURES - DISPOSES OF ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED.
- SOIL EROSION AND SEDIMENTATION CONTROL MEASURES TO BE CHECKED WEEKLY AND AFTER EACH RAIN. CLEAN AND RESTORE AS REQUIRED.

 Engineering Enterprises, Inc. CONSULTING ENGINEERS 52 Wheeler Road Sugar Grove, Illinois 60554 630.466.6700 / www.eeiweb.com	UNITED CITY OF YORKVILLE 800 GAME FARM ROAD YORKVILLE, IL 60560		WELL NO. 3 WATER MAIN RE-PIPING			GENERAL NOTES AND CONSTRUCTION SPECIFICATIONS	DATE: JUNE 2018
			NO. DATE REVISIONS	PROJECT NO: YO1804 FILE: YO1804-DETAIL A&B			
						SHEET 3 OF 6	

AWWA C651-14 SECTION 4.11: DISINFECTION PROCEDURES WHEN CUTTING INTO OR REPAIRING EXISTING MAINS

4.11.1 GENERAL

THE PLANNED, UNPLANNED, OR EMERGENCY REPAIR OF A WATER MAIN OR APPURTENANCES (E.G., VALVE) IS TIME SENSITIVE—AN IMPORTANT GOAL IS TO MINIMIZE THE DISRUPTION OF WATER SERVICE TO CUSTOMERS. NONETHELESS, THE REPAIR WORK NEEDS TO BE ACCOMPLISHED USING SANITARY AND SAFE PROCEDURES BY WELL-TRAINED CREWS WITH PROPER SUPERVISION AND GUIDANCE. REFER TO PREVENTIVE AND CORRECTIVE MEASURES DESCRIBED PREVIOUSLY IN SEC. 4.8.2, 4.8.4, AND 4.8.5. FOLLOW ALL PERSONAL PROTECTION PRECAUTIONS WHEN WORKING WITH CHLORINE SOLUTIONS.

4.11.2 BASIC DISINFECTION

WORK SHOULD FOLLOW BASIC DISINFECTION AND CONTAMINATION PREVENTION PROCEDURES:

1. PREVENTING CONTAMINANTS FROM ENTERING THE EXISTING PIPE DURING THE REPAIR SUCH AS BY MAINTAINING POSITIVE PRESSURE IN THE LEAKING PIPE UNTIL THE REPAIR SITE ON THE PIPE IS FULLY EXPOSED, BY MAINTAINING A DEWATERED TRENCH, AND BY KEEPING ALL PIPE MATERIALS BEING USED IN THE REPAIR IN A CLEAN AND SANITARY CONDITION.
2. INSPECTING AND CLEANING, FOLLOWED BY DISINFECTION OF SPRAYING OR SWABBING WITH A MINIMUM 1 PERCENT CHLORINE SOLUTION:
 - a. EXPOSED PORTIONS OF EXISTING PIPE INTERIOR SURFACES
 - b. PIPE MATERIALS USED IN THE REPAIR
 - c. HANDHELD MATERIALS AND TOOLS USED TO MAKE THE REPAIR
3. AS APPROPRIATE, ADVISING AFFECTED CUSTOMERS TO ADEQUATELY FLUSH THEIR SERVICE LINES UPON RETURN TO SERVICE.

4.11.3 SELECTION OF DISINFECTION PROCEDURE

THE DISINFECTION PROCEDURE SELECTED SHOULD BE DETERMINED BY THE CONDITIONS AND SEVERITY OF THE MAIN BREAK. MANY LEAKS OR BREAKS CAN BE REPAIRED UNDER CONTROLLED CONDITIONS WITHOUT DEPRESSURIZING THE WATER MAIN, SUCH AS WHEN APPLYING A CLAMP TO A SMALL CRACK OR HOLE, THUS PREVENTING CONTAMINANTS FROM ENTERING THE WATER SYSTEM. IN MOST OTHER SITUATIONS, THE WATER MAIN CAN BE MAINTAINED PRESSURIZED UNTIL THE BREAK SITE IS SECURED AND THE PIPE IS FULLY EXPOSED. SOME CIRCUMSTANCES (E.G., SEVER EROSION OF THE LOCAL ENVIRONMENT OR ICING OF THE ROADWAY) THAT IMPACT PUBLIC SAFETY MAY REQUIRE THAT WATER PRESSURE BE SUBSTANTIALLY REDUCED PRIOR TO EXPOSING THE PIPE IN THE AREA OF THE LEAK. IN SOME CASES, SITUATIONS BECOME CATASTROPHIC WHERE THERE IS A PIPE BLOWOUT AND A LOSS OF WATER PRESSURE PRIOR TO SHUTDOWN, REQUIRING DISINFECTION PROCEDURES EQUIVALENT TO THOSE OF A NEW MAIN INSTALLATION. THE PROCEDURES DESCRIBED IN SEC. 4.11.3.1 THROUGH 4.11.3.3 DESCRIBED THE CONTAMINATION RISKS AND THE ASSOCIATED DISINFECTION AND SAMPLING REQUIREMENTS FOR DIFFERENT SCENARIOS OF PIPELINE REPAIR. SPECIFIC SITUATIONS NOT CAPTURED BELOW NEED TO BE EVALUATED AND THE APPROPRIATE DISINFECTION AND SAMPLING METHODS FOLLOWED.

NOTE THAT THE PROCEDURES EXPLAINED IN SEC. 4.11.3.1, 4.11.3.2, AND 4.11.3.3 FOR DISTRIBUTION MAINS MAY NEED TO BE MODIFIED FOR LARGE TRANSMISSION MAINS. LARGE MAINS MAY NEED ADDITIONAL WORK (SUCH AS HAVING A VALVE REPLACED OR REQUIRING A SPECIAL ORDER ON A CONNECTION), MAY BE OUT OF SERVICE FOR MORE THAN A DAY, OR MAY NOT BE ABLE TO ACCOMMODATE A SCOUR FLUSH. THESE MODIFICATIONS NEED TO BE MADE ON A CASE-BY-CASE BASIS BUT SHOULD STILL TAKE INTO ACCOUNT THE PROCEDURES OUTLINED IN ANSI/AWWA C651.

4.11.3.1

CONTROLLED PIPE REPAIR WITHOUT DEPRESSURIZATION. IN THIS SITUATION, ACTIVITIES ARE WELL CONTROLLED AND A FULL SHUTDOWN IS NOT NEEDED, THUS MAINTAINING POSITIVE PRESSURE TO THE AREA OF SHUTDOWN AND AROUND THE BREAK SITE AT ALL TIMES. THE REPAIR SITE IS EXPOSED AND THE TRENCH IS ADEQUATELY DEWATERED SO THAT THE REPAIR SITE CAN BE CLEANED AND DISINFECTED BY SPRAYING OR SWABBING WITH A MINIMUM 1 PERCENT CHLORINE SOLUTION. THE WATER MAIN IS THEN RETURNED TO SERVICE WITH FLUSHING TO OBTAIN THREE VOLUMES OF WATER TURNS, MAKING SURE THAT THE FLUSHED WATER IS VISUALLY CLEAR. NO BACTERIOLOGICAL TESTING IS NECESSARY. IT IS ADVISABLE TO CHECK FOR A TYPICAL SYSTEM CHLORIDE RESIDUAL, AND IF NOT FOUND, TO CONTINUE FLUSHING UNTIL RESIDUALS ARE RESTORED TO LEVELS MAINTAINED IN THE DISTRIBUTION SYSTEM BY THE WATER UTILITY—IF THE SYSTEM OPERATES WITH A DISINFECTANT RESIDUAL.

4.11.3.2

CONTROLLED PIPE REPAIR WITH DEPRESSURIZATION AFTER SHUTDOWN. IN THIS SITUATION, AFTER THE REPAIR SITE HAS BEEN EXPOSED AND SECURED FROM TRENCH SOIL/WATER CONTAMINATION, THE WATER MAIN IS DEPRESSURIZED BY A SHUTDOWN TO COMPLETE THE REPAIR. THE REPAIR SITE SHOULD BE CLEANED AND DISINFECTED BY SPRAYING OR SWABBING WITH A MINIMUM 1 PERCENT CHLORIDE SOLUTIONS. THE WATER MAIN IS THEN RETURNED TO SERVICE WITH FLUSHING TO SCOUR THE PIPE AND OBTAIN THREE VOLUMES OF WATER TURNOVER, MAKING SURE THAT THE FLUSHED WATER IS VISUALLY CLEAR. IT IS ADVISABLE TO CHECK FOR A TYPICAL SYSTEM CHLORIDE RESIDUAL, AND IF NOT FOUND, TO CONTINUE FLUSHING UNTIL RESIDUALS ARE RESTORED TO LEVELS MAINTAINED IN THE DISTRIBUTION SYSTEM BY THE WATER UTILITY—IF THE SYSTEM OPERATES WITH A DISINFECTANT RESIDUAL.

AWWA C651-14 SECTION 4.11: DISINFECTION PROCEDURES WHEN CUTTING INTO OR REPAIRING EXISTING MAINS (CONTINUED)

WHEN THE EXISTING PIPE HAS TO BE OPENED AND THE INTERIOR SURFACES OF THE WATER SYSTEM EXPOSED TO THE ENVIRONMENT, ADDITIONAL PROCEDURES NEED TO BE FOLLOWED. THE EXISTING PIPE SHOULD BE INSPECTED AND CLEANED WITH THE HELP OF FLUSHING WATER INTO THE TRENCH, WHERE POSSIBLE, UNTIL THE FLUSH WATER RUNS VISUALLY CLEAR. THE REPAIR SITE SHOULD BE ACCESSIBLE AND THE TRENCH ADEQUATELY DEWATERED SO THAT THE REPAIR SITE CAN BE CLEANED AND DISINFECTED BY SPRAYING OR SWABBING WITH A MINIMUM 1 PERCENT CHLORINE SOLUTION. ADDITIONALLY, ANY ACCESSIBLE UPSTREAM AND DOWNSTREAM INTERIOR OF THE EXISTING PIPE SHOULD BE DISINFECTED BY SWABBING OR SPRAYING WITH A MINIMUM OF 1 PERCENT CHLORIDE SOLUTION. IF THE REPAIR REQUIRES A FULL PIPE SECTION REPLACEMENT, THE NEW PIPE SHOULD BE INSPECTED, CLEANED AND DISINFECTED FROM BOTH ENDS BY SWABBING WITH A MINIMUM 1 PERCENT CHLORIDE SOLUTION. THE WATER MAIN MAY THEN BE RETURNED TO SERVICE AFTER FLUSHING TO SCOUR THE PIPE AND OBTAIN THREE VOLUMES OF WATER TURNOVER. THE FLUSHED WATER SHOULD RUN VISUALLY CLEAR, HAVE A MEASURABLE CHLORIDE RESIDUAL IF THE SYSTEM OPERATES WITH A RESIDUAL, AND BE CHECKED WITH BACTERIOLOGICAL TESTING. THE PIPELINE MAY BE RETURNED TO SERVICE PRIOR TO OBTAINING BACTERIOLOGICAL RESULTS.

4.11.3.3

UNCONTROLLED PIPE BREAK WITH A LIKELIHOOD OF WATER CONTAMINATION OR LOSS OF SANITARY CONDITIONS DURING REPAIR. IN SITUATIONS IN WHICH THE EXISTING MAIN TO BE REPAIRED COULD NOT BE PROTECTED AND KEPT FREE OF CONTAMINATION AND THERE ARE OBVIOUS SIGNS OF CONTAMINATION (E.G., MUDDY TRENCH WATER FLOWING INTO THE BROKEN PIPE AND A LEAKING SEWER PIPE IN THE TRENCH, OR CATASTROPHIC PIPE FAILURE WHERE PIPE IS OPEN AND THERE IS A LIKELIHOOD THAT CONTAMINATION WAS DRAWN INTO THE ACTIVE SYSTEM) OR WHEN A CONTROLLED REPAIR SITUATION TURNS INTO A SITUATION IN WHICH THE INTERNAL PIPE AND WATER HAVE BECOME CONTAMINATED, THE PROCEDURES OUTLINES IN SEC. 4.3, 4.4, 4.5, OR 4.6 SHOULD BE FOLLOWED WHERE PRACTICAL. THE METHODS SPECIFY CHLORINE DOSES OF 25–300 MG/L; HOWEVER, SUCH LEVELS MAY PRESENT GREATER HARM IF THE LINE OR SERVICE CANNOT BE RELIABLY ISOLATED OR SHUT DOWN EXPOSURE OF CUSTOMERS TO HIGH CONCENTRATIONS OF CHLORINE CANNOT BE CONTROLLED. FREE CHLORINE RESIDUALS UP TO 4 MG/L (BASED ON ANNUAL AVERAGES) ARE ALLOWED BY FEDERAL DRINKING WATER REGULATIONS; THEREFORE THIS LEVEL IS SUGGESTED AS A MINIMUM TO BE MAINTAINED FOR AT LEAST 16 HR IN CONJUNCTION WITH FLUSHING, COLIFORM SAMPLING, AND ASSOCIATED CUSTOMER EDUCATION. SUCH SITUATIONS REQUIRE CAREFUL REVIEW AND NEED TO BALANCE THE PUBLIC HEALTH RISKS OF THE PIPELINE FAILURE AS WELL AS THE REPAIR PROCESS.

WHERE PRACTICAL AND APPROPRIATE CONSIDERING THE RISKS OF PUBLIC EXPOSURE TO HIGH CONCENTRATIONS OF CHLORINE, IN ADDITION TO THE PROCEDURES PREVIOUSLY DESCRIBED IN THIS STANDARD, THE SECTION OF PIPE IN WHICH THE BREAK IS LOCATED SHALL BE ISOLATED, ALL SERVICE CONNECTIONS SHUT OFF, AND THE SECTION FLUSHED AND DISINFECTED. IF THE SLUG CHLORINATION METHOD IS EMPLOYED, THE DOSE MAY BE INCREASED TO AS MUCH AS 300 MG/L AND THE CONTACT TIME REDUCED TO AS LITTLE AS 15 MIN. AFTER CHLORINATION AND REPAIR, PERFORM SCOUR FLUSHING AS 3.0 FT/SEC (0.91 M/SEC) OR GREATER FOR A MINIMUM OF THREE PIPE VOLUMES AND CONTINUE UNTIL DISCOLORED WATER IS NOT OBSERVED AND THE CHLORINE RESIDUAL IS RESTORED TO THE LEVELS MAINTAINED IN THE DISTRIBUTION SYSTEM BY THE WATER UTILITY.

FOR LARGER-DIAMETER PIPE (12 IN. AND GREATER), IF A WATER VELOCITY OF 3.0 FT/SEC (0.91 M/SEC) CANNOT BE ACHIEVED, IT IS A DESIRABLE TO FLUSH AT THE MAXIMUM FLOW FOR THE MAIN UNTIL THREE PIPE VOLUMES HAVE BEEN DISPLACED BEFORE RETURNING THE MAIN TO SERVICE. THE FLUSHED WATER SHOULD RUN VISUALLY CLEAR, AND HAVE TYPICAL SYSTEM CHLORINE RESIDUAL (IF THE SYSTEM OPERATES WITH A DISINFECTANT RESIDUAL).

FOR VERY-LARGE-DIAMETER PIPE (WHERE PERSONNEL MAY SAFELY ENTER THE PIPE), IN LIEU OF FLUSHING FOLLOWING DISINFECTION, THE INTERIOR OF THE PIPE AT THE REPAIR SITE MAY BE CLEARED BY SWEEPING OR HIGH PRESSURE WASH USING POTABLE WATER BEFORE DISINFECTION. STANDING WATER AND DEBRIS FROM THE CLEANING MUST BE REMOVED FROM THE PIPE PRIOR TO DISINFECTION. THE AFFECTED PIPE SHALL BE DISINFECTED BY SWABBING OR SPRAYING WITH A MINIMUM 1 PERCENT CHLORINE SOLUTION.

AFTER FOLLOWING THE APPROPRIATE METHODS ABOVE, PRIOR TO RETURNING THE PIPE TO SERVICE, THE EFFICACY OF THE DISINFECTION PROCEDURE SHALL BE VERIFIED BY TESTING FOR THE ABSENCE OF COLIFORM BACTERIA. IF ALLOWED BY LOCAL REGULATIONS, THE PIPELINE MAY BE RETURNED TO LIMITED SERVICE PRIOR TO OBTAINING BACTERIOLOGICAL RESULTS WITH PROPER NOTIFICATION OF THE AFFECTED CUSTOMERS.

4.11.4 TEMPORARY SERVICE LINES

TEMPORARY WATER SERVICE LINES TO CUSTOMERS DURING MAIN REPAIR ACTIVITIES SHALL BE DISINFECTED PRIOR TO USE. MATERIALS SHALL MEET THE NSF/ANSI 61 CERTIFICATION FOR POTABLE WATER USE. DISINFECTION SHOULD BE ACCOMPLISHED BY THE PROCEDURES IN SEC. 4.4 OR 4.5 FOLLOWED BY SCOUR FLUSHING AT 3.0 FT/SEC (0.91 M/SEC) OR GREATER FOR A MINIMUM OF THREE PIPE VOLUMES (SEE TABLE 3), OR UNTIL THE WATER RUNS VISUALLY CLEAR AND PREFERABLY A MEASURABLE CHLORINE RESIDUAL IS RESTORED.

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 CONSULTING ENGINEERS
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UNITED CITY OF YORKVILLE
 800 GAME FARM ROAD
 YORKVILLE, IL 60560

0 1
 Bar represents 1" at
 FULL size plotted
 scale. Percentage
 to 1" to be applied
 to stated scales.

NO.	DATE	REVISIONS

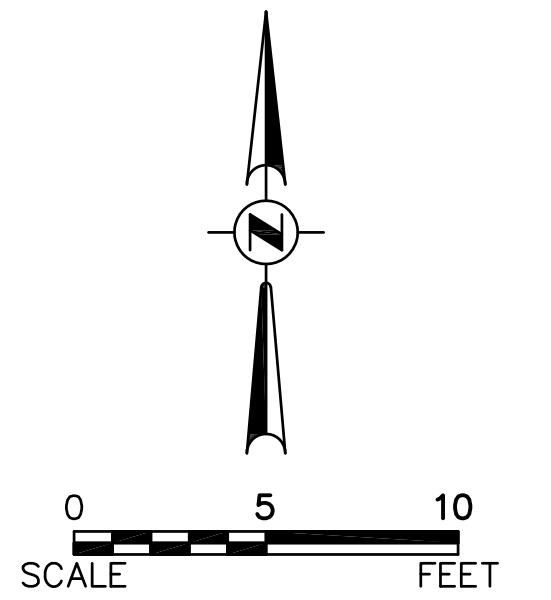
WELL NO. 3 WATER MAIN RE-PIPING

GENERAL NOTES

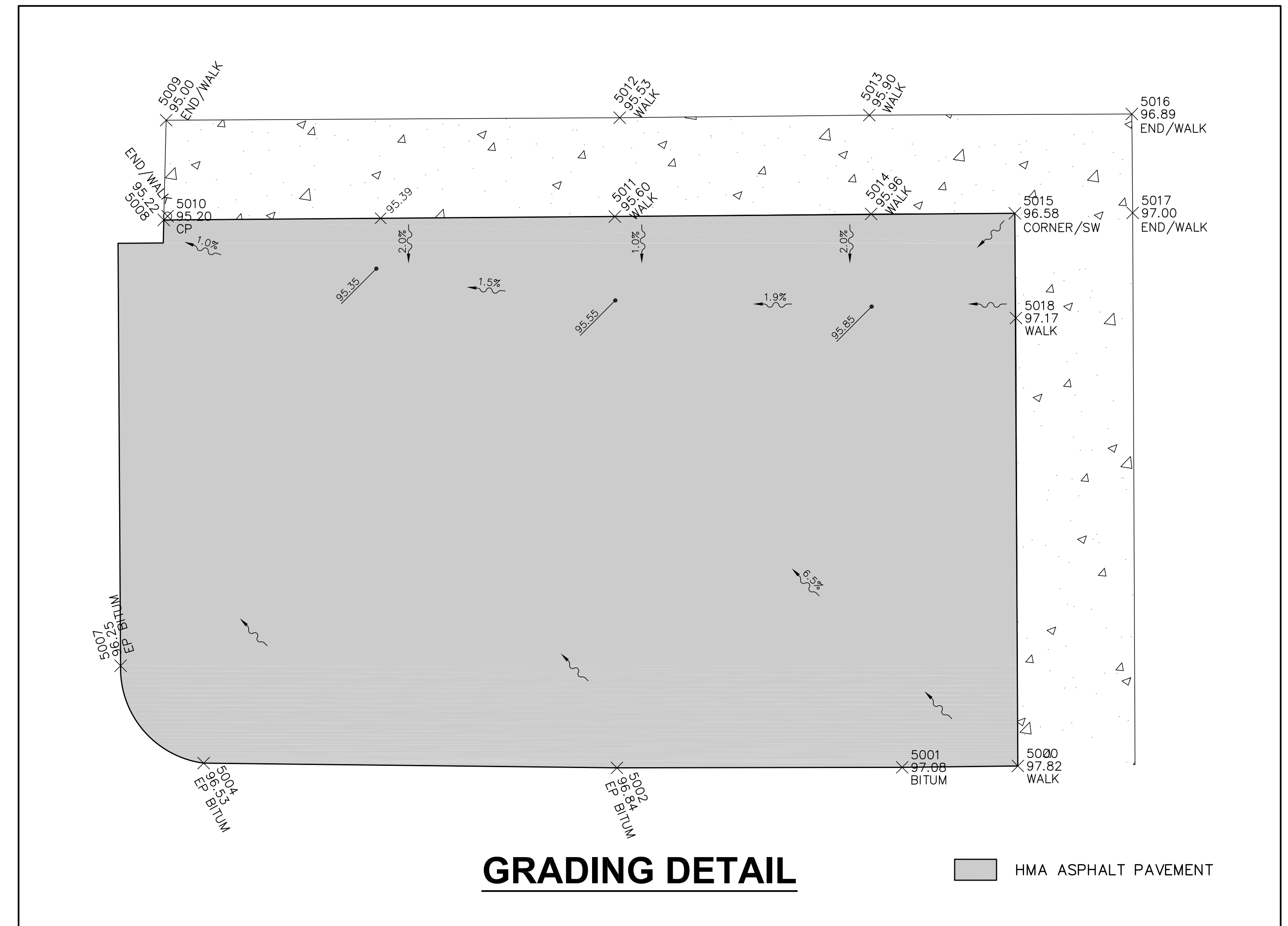
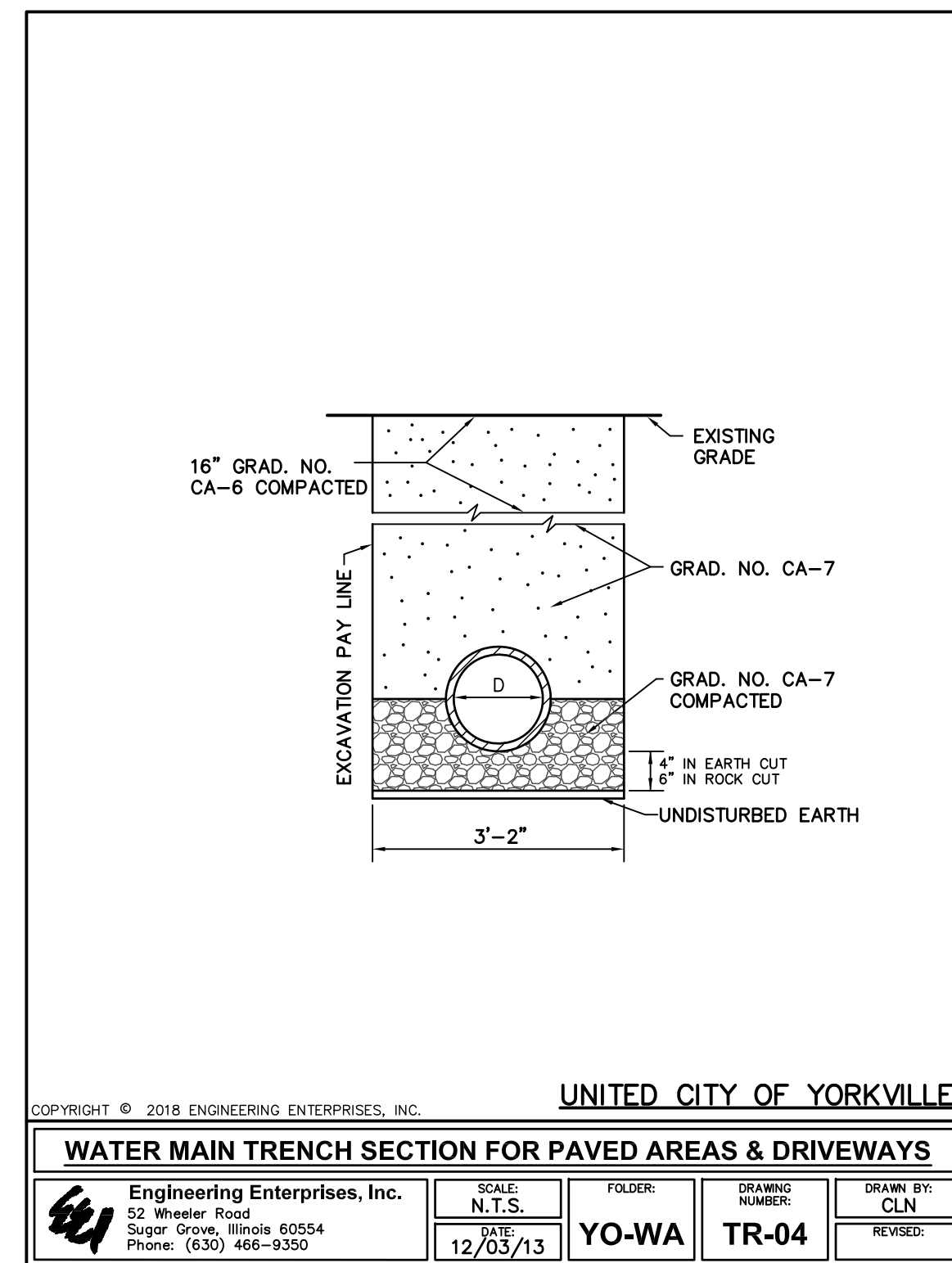
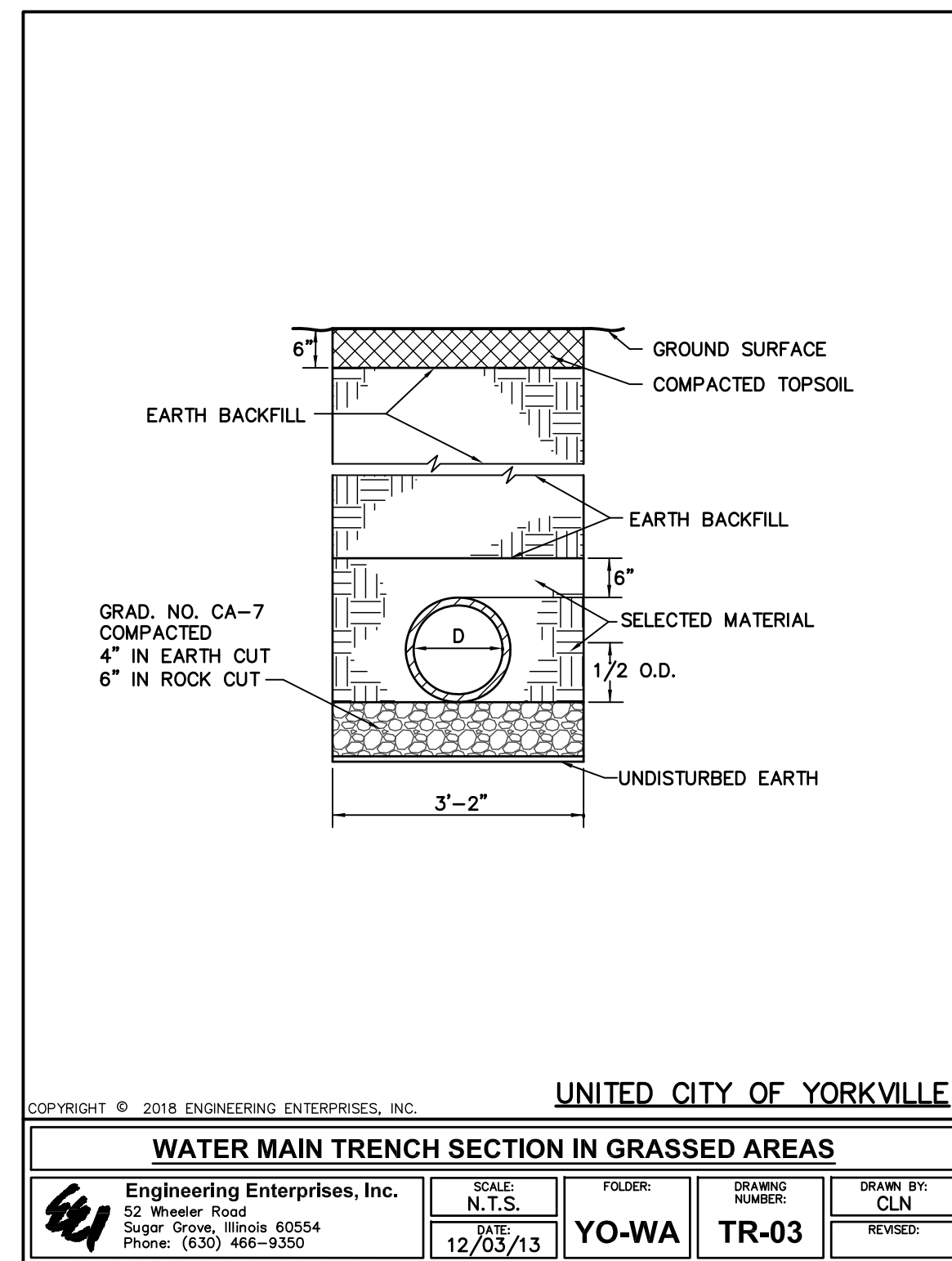
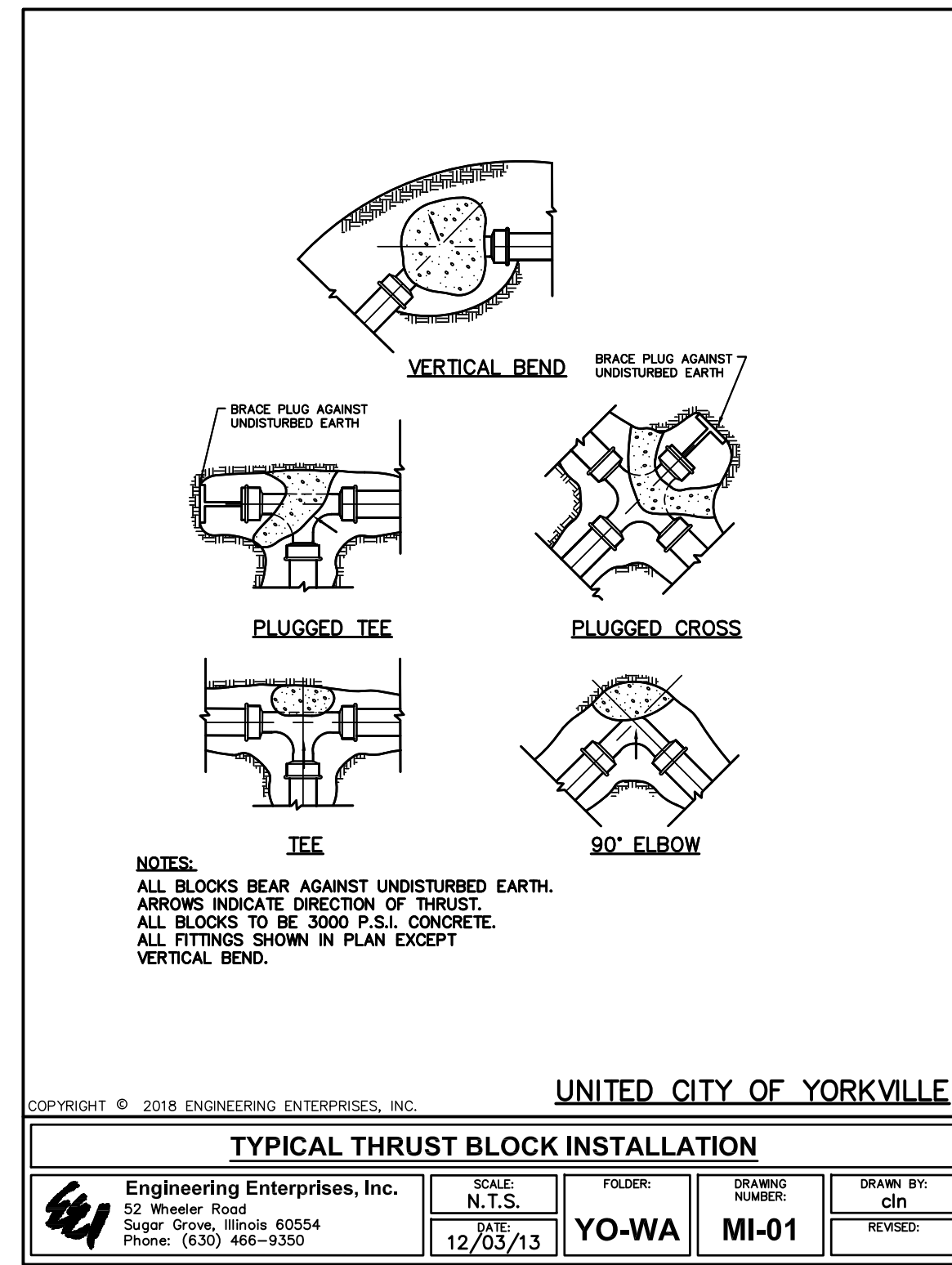
DATE:	JUNE 2018
PROJECT NO:	YO1804
FILE:	YO1804-DETAIL A&B
SHEET	4 OF 6

SUMMARY OF QUANTITIES

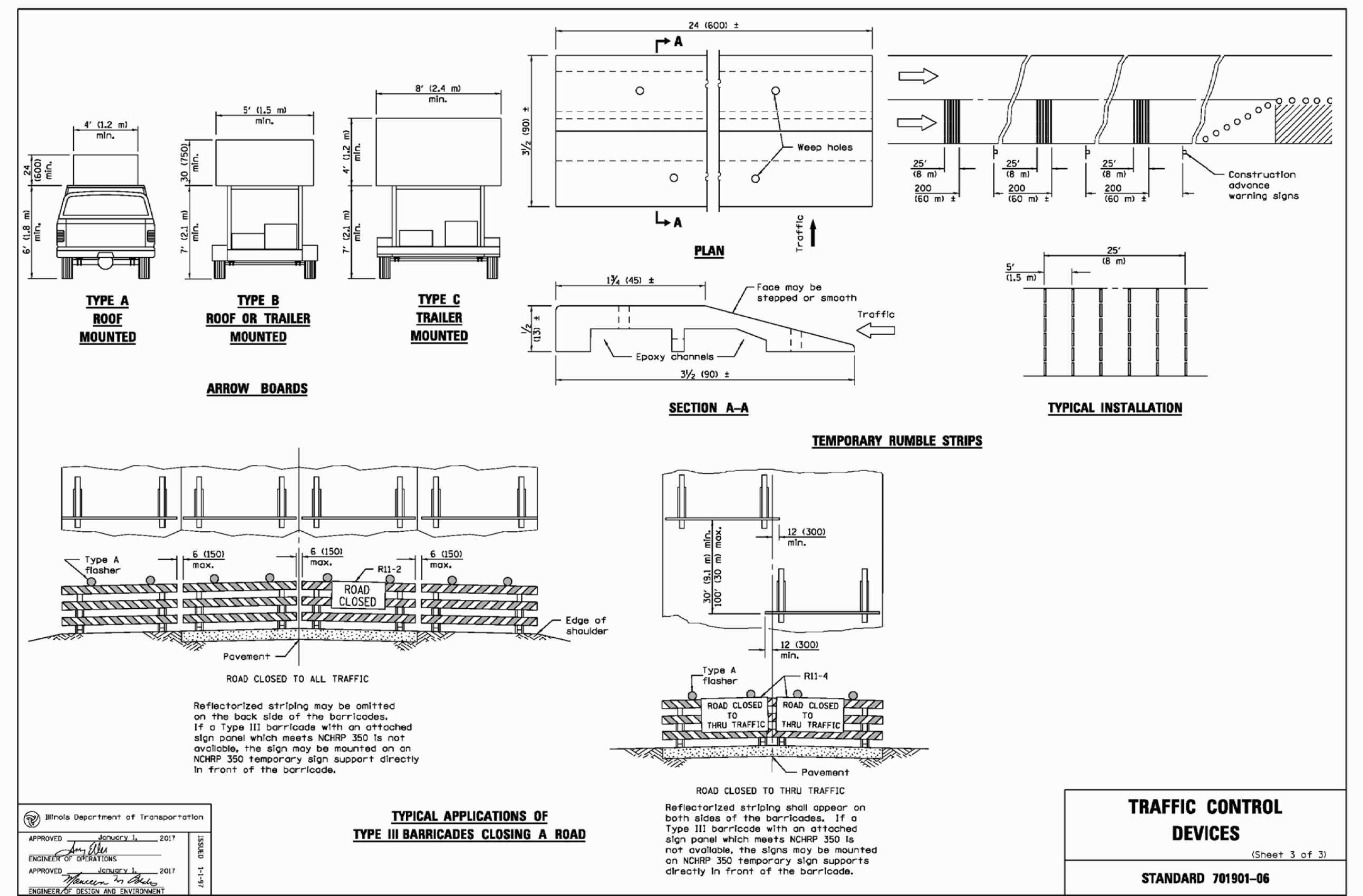
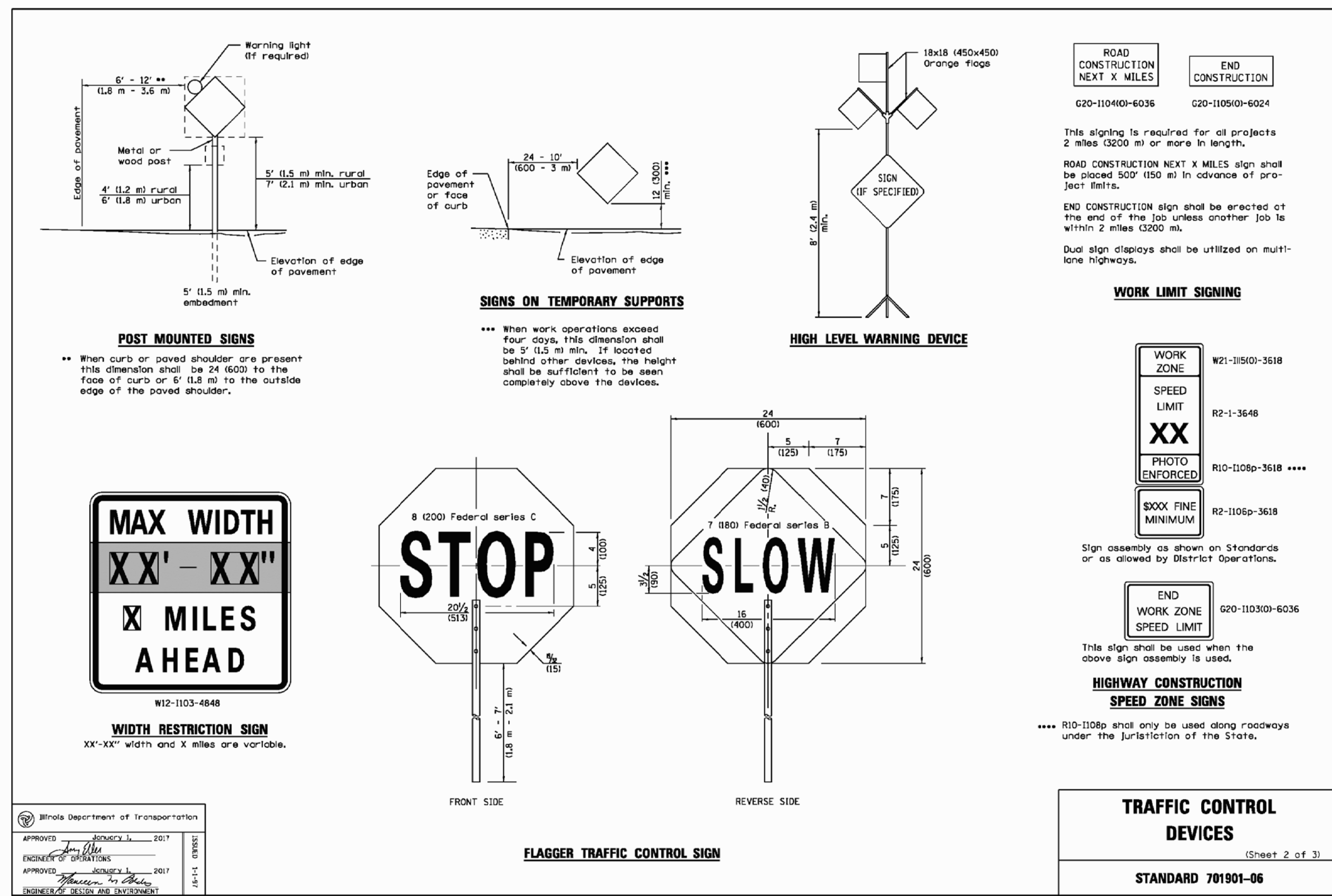
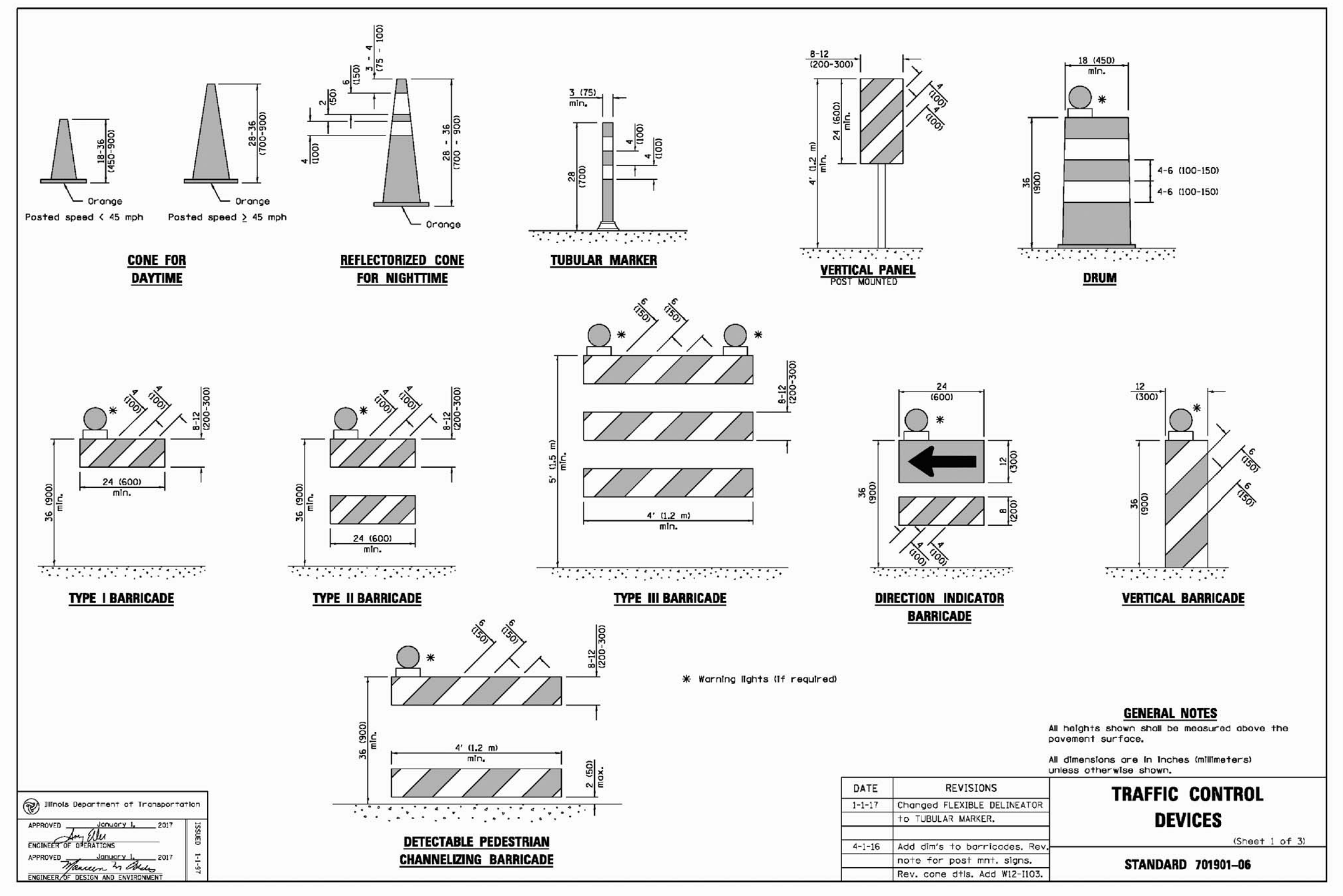
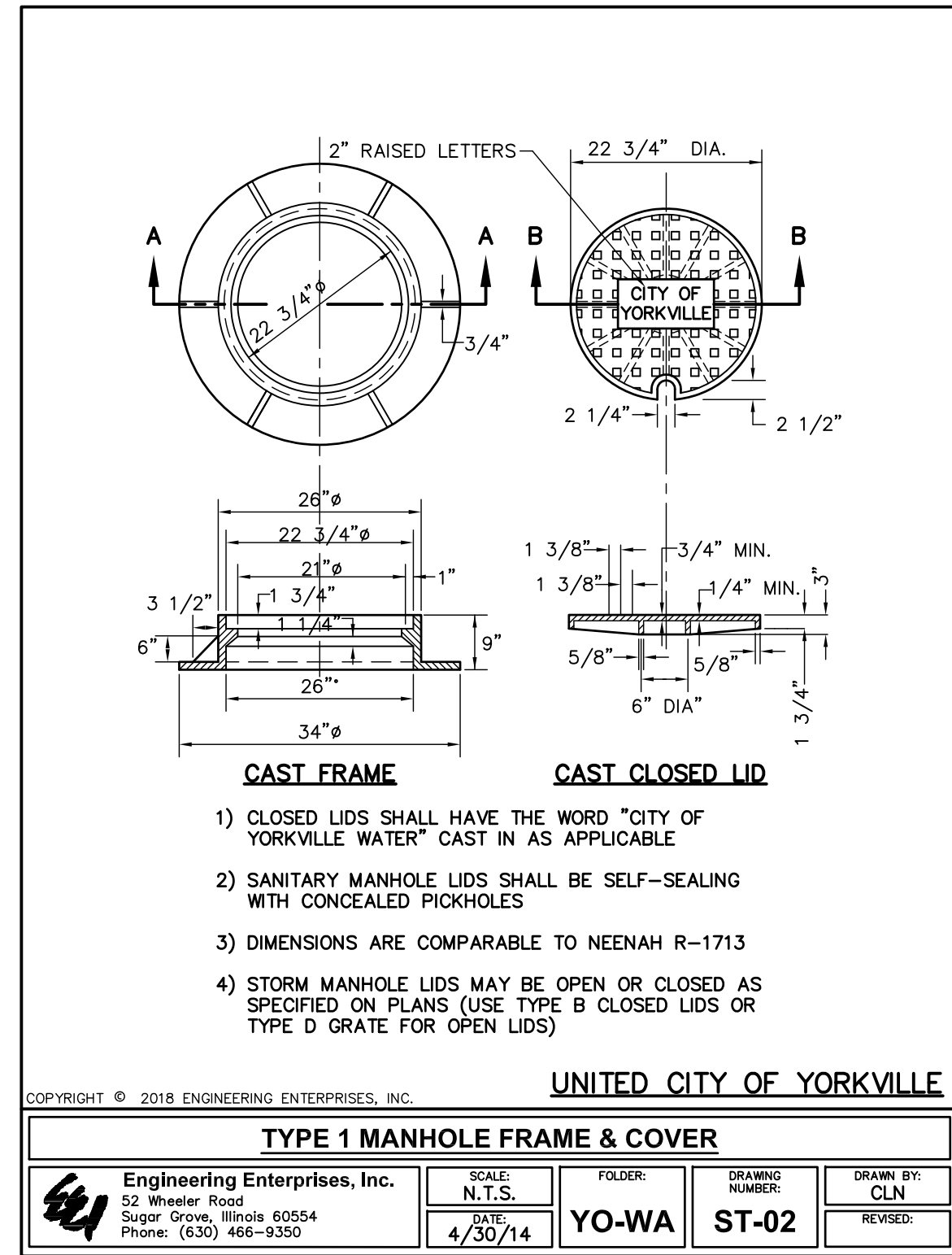
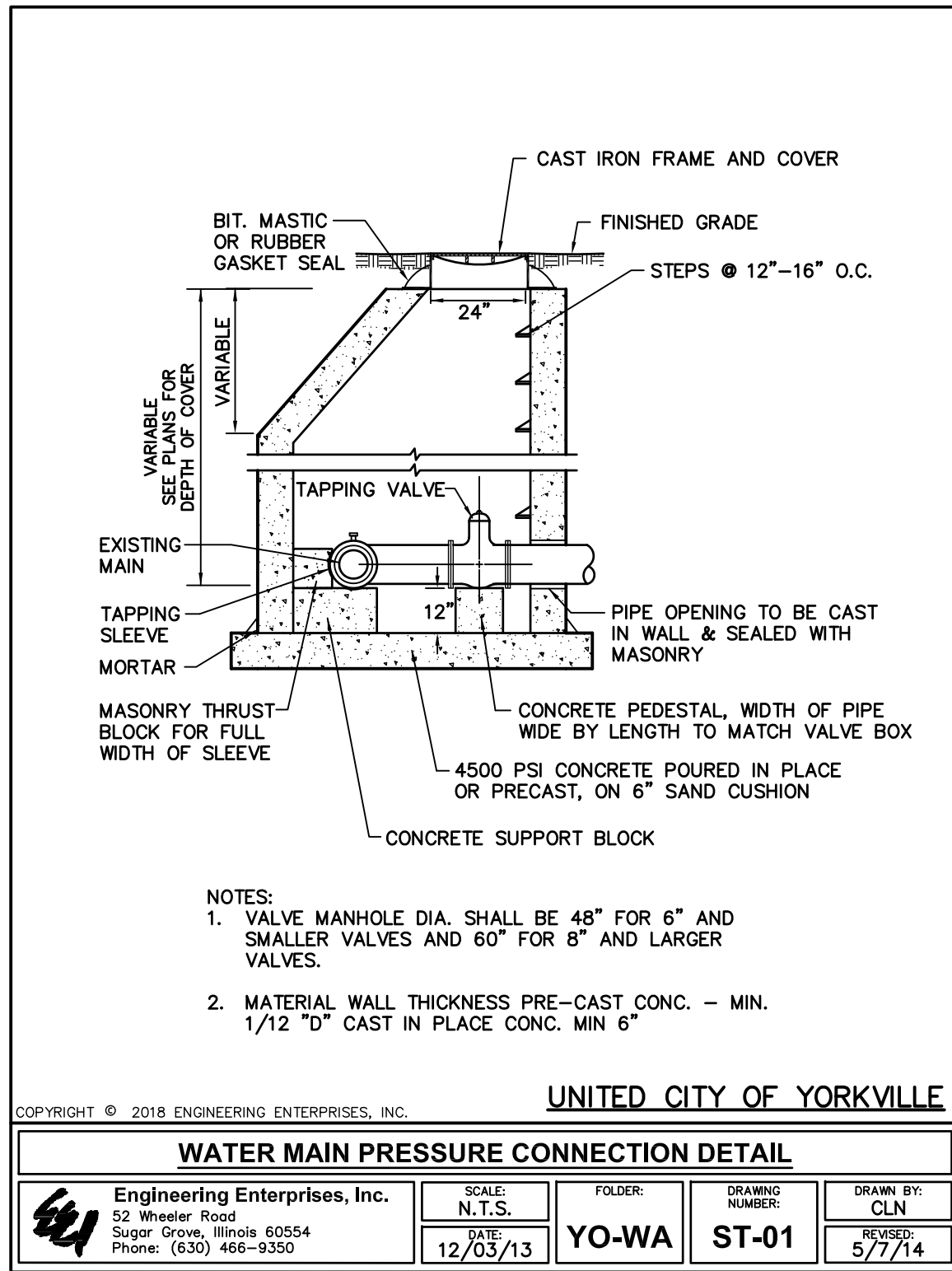
ITEM NO.	ITEM	UNIT	QUANTITY
1	PRESSURE CONNECTION WITH TAPPING SLEEVE, 12" TAPPING VALVE IN VALVE BOX	EACH	1
2	PRESSURE CONNECTION WITH TAPPING SLEEVE, 12" TAPPING VALVE IN 60" VAULT	EACH	1
3	WATER MAIN, 12-INCH D.I.P, CLASS 52 WITH POLYETHYLENE WRAP	FOOT	25
4	DISCONNECT AND ABANDON EXISTING WATER MAIN	EACH	1
5	WATER MAIN REMOVAL	FOOT	15
6	WATER MAIN REMOVAL - WELL HOUSE	FOOT	10
7	DUCTILE IRON FITTINGS	LB	506
8	FOUNDATION MATERIAL	CUYD	50
9	RAW WATER MAIN FLUSHING	LSUM	1
10	WATER MAIN DISINFECTION	LSUM	1
11	EXPLORATORY EXCAVATION	EACH	1
12	BACKFILL WELL PIT	LSUM	1
13	PAVEMENT REMOVAL	SQYD	20
14	HOT-MIX ASPHALT PAVEMENT PATCHING, 4 INCH	SQYD	20
15	HOT-MIX ASPHALT PAVEMENT, 4 INCH WITH 12 INCH AGGREGATE BASE	SQYD	185
16	RESTORATION	SQYD	70
17	TRAFFIC CONTROL AND PROTECTION	LSUM	1
18	ALLOWANCE - ITEMS ORDERED BY THE ENGINEER	UNIT	10,000



CONSTRUCTION NOTE:
 CONTRACTOR TO SAW CUT ALL EXISTING EDGE OF PAVEMENT PRIOR TO PAVING. INCIDENTAL TO PAVEMENT LINE ITEMS.



NO.	DATE	REVISIONS



Plotted: June 11, 2018 @ 12:58 PM By: Kris Pung - Tab: 06 Details - 22x34



Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input checked="" type="checkbox"/>
Engineer	<input type="checkbox"/>
City Administrator	<input checked="" type="checkbox"/>
Human Resources	<input type="checkbox"/>
Community Development	<input type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input checked="" type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #3

Tracking Number

PW 2018-58

Agenda Item Summary Memo

Title: Beecher HVAC replacement RFP results

Meeting and Date: Public Works Committee - June 19, 2018

Synopsis: RFP results and recommendation for HVAC repair at the Beecher Center

Council Action Previously Taken:

Date of Action: _____ Action Taken: _____

Item Number: _____

Type of Vote Required: Supermajority (6 out of 9)

Council Action Requested: Approval

Submitted by: Steve Raasch Public Works
Name Department

Agenda Item Notes:



Memorandum

To: Public Works Committee
From: Rob Fredrickson, Finance Director
Date: June 14, 2018
Subject: Fiscal Year 2019 Budget Amendment

Summary

Amend the Fiscal Year 2019 (23) City-Wide Capital Fund and (01) General Fund budgets for the purposes of replacing two HVAC units at the Beecher Community Center.

Background

The attached budget amendment would increase the transfer out of the General Fund (budgeted in the Administrative services cost center) to the City-Wide Capital Fund by \$319,725 for the purposes of replacing two HVAC units at the Beecher Center, pursuant to the attached proposal by Trico Mechanical. Fiscal Year 2019 budgeted fund balance would remain unchanged in the City-Wide Capital Fund, as the General Fund transfer would offset the corresponding expenditure. Budgeted fund balance in the General Fund would be reduced from \$5.47 to \$5.04 million, a decrease of \$428,516 (\$319,725 mentioned above, plus additional police chargeback expenditures of \$108,791 pursuant to second FY 2019 budget amendment – approved at the June 12th City Council meeting).

Recommendation

Staff recommends approval of the attached ordinance.

Ordinance No. 2018-____

AN ORDINANCE AUTHORIZING THE FIFTH AMENDMENT TO THE ANNUAL BUDGET OF THE UNITED CITY OF YORKVILLE, FOR THE FISCAL YEAR COMMENCING ON MAY 1, 2018 AND ENDING ON APRIL 30, 2019

WHEREAS, the United City of Yorkville (the “City”) is a duly organized and validly existing non-home rule municipality created in accordance with the Constitution of the State of Illinois of 1970 and the laws of the State; and,

WHEREAS, pursuant to 65 ILCS 5/8-2-9.4, the City adopted Ordinance No. 2018-26 on April 10, 2018 adopting an annual budget for the fiscal year commencing on May 1, 2018 and ending on April 30, 2019; and,

WHEREAS, pursuant to 65 ILCS 5/8-2-9.6, by a vote of two-thirds of the members of the corporate authorities then holding office, the annual budget of the United City of Yorkville may be revised by deleting, adding to, changing or creating sub-classes within object classes and object classes themselves. No revision of the budget shall be made increasing the budget in the event funds are not available to effectuate the purpose of the revision; and,

WHEREAS, funds are available to effectuate the purpose of this revision.

NOW THEREFORE, BE IT ORDAINED by the Mayor and City Council of the United City of Yorkville, Kendall County, Illinois, as follows:

Section 1: That the amounts shown in Schedule A, attached hereto and made a part hereof by reference, increasing and/or decreasing certain object classes and decreasing certain fund balances in the General and City-Wide Capital funds with respect to the United City of Yorkville’s 2018-2019 Budget are hereby approved.

Section 2: This ordinance shall be in full force and effect from and after its passage and approval according to law.

Passed by the City Council of the United City of Yorkville, Kendall County, Illinois this
_____ day of _____, 2018.

CITY CLERK

CARLO COLOSIMO _____

KEN KOCH _____

JACKIE MILSCHEWSKI _____

ARDEN JOE PLOCHER _____

CHRIS FUNKHOUSER _____

JOEL FRIEDERS _____

SEAVER TARULIS _____

ALEX HERNANDEZ _____

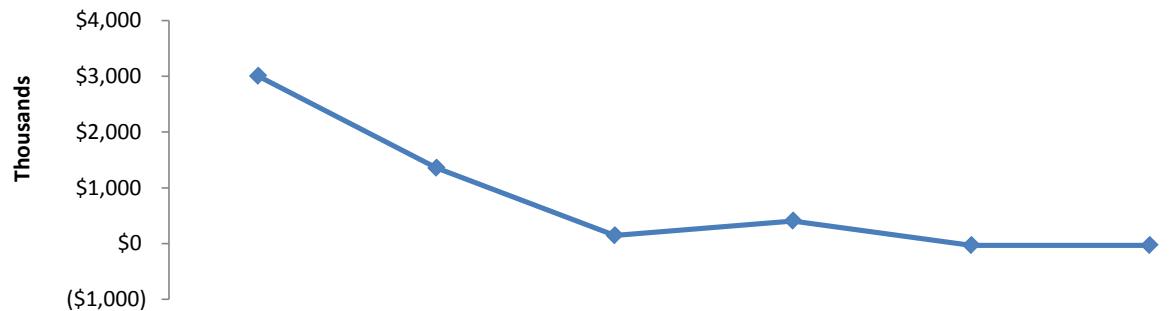
Approved by me, as Mayor of the United City of Yorkville, Kendall County, Illinois, this
_____ day of _____, 2018.

MAYOR

CITY-WIDE CAPITAL FUND (23)

The City-Wide Capital Fund is used to maintain existing and construct new public infrastructure, and to fund other improvements that benefit the public.

	FY 2016 Actual	FY 2017 Actual	FY 2018 Budget	FY 2018 Projected	FY 2019 Adopted Budget	FY 2019 Amended Budget
Revenue						
Intergovernmental	135,722	534,354	200,224	292,754	-	-
Licenses & Permits	141,203	196,003	73,000	173,500	91,500	91,500
Charges for Service	700,156	718,872	700,000	730,000	730,000	730,000
Investment Earnings	1,630	3,703	1,000	6,750	1,000	1,000
Reimbursements	399,561	199,851	472,617	367,560	1,111,077	1,111,077
Other Financing Sources	210,243	73,502	1,258,924	1,263,397	250,000	569,725
Total Revenue	1,588,515	1,726,285	2,705,765	2,833,961	2,183,577	2,503,302
Expenditures						
Contractual Services	130,762	107,274	161,675	267,144	218,675	218,675
Supplies	8,913	27,847	35,000	25,000	25,000	25,000
Capital Outlay	2,711,081	2,825,760	2,990,753	2,990,926	1,888,049	2,207,774
Debt Service	405,937	404,138	403,588	403,588	407,563	407,563
Other Financing Uses	12,621	9,645	78,510	95,074	82,866	82,866
Total Expenditures	3,269,314	3,374,664	3,669,526	3,781,732	2,622,153	2,941,878
Surplus (Deficit)	(1,680,799)	(1,648,379)	(963,761)	(947,771)	(438,576)	(438,576)
Ending Fund Balance	3,003,908	1,355,530	144,741	407,759	(30,817)	(30,817)
	91.9%	40.2%	3.9%	10.8%	-1.2%	-1.0%



United City of Yorkville
City-Wide Capital Fund

23

CITY-WIDE CAPITAL FUND REVENUE

Account	Description	FY 2016 Actual	FY 2017 Actual	FY 2018 Budget	FY 2018 Projected	FY 2019 Adopted	FY 2019 Amended
Intergovernmental							
23-000-41-00-4161	FEDERAL GRANTS - ITEP DOWNTOWN	11,244	31,109	1,600	540	-	-
23-000-41-00-4169	FEDERAL GRANTS - MILL STREET LAFO	1,075	24,606	-	-	-	-
23-000-41-00-4178	FEDERAL GRANTS - ITEP KENNEDY RD TRAIL	71,327	2,475	133,424	227,014	-	-
23-000-41-00-4188	STATE GRANTS - EDP WRIGLEY (RTE 47)	52,076	476,164	65,200	65,200	-	-
Total:	Intergovernmental	\$135,722	\$534,354	\$200,224	\$292,754	\$0	\$0
Licenses & Permits							
23-000-42-00-4210	BUILDING PERMITS	-	35,365	-	50,000	-	-
23-000-42-00-4214	DEVELOPMENT FEES - CW CAPITAL	6,150	1,085	6,000	3,500	3,500	3,500
23-000-42-00-4216	BUILD PROGRAM PERMITS	85,565	61,008	-	-	-	-
23-000-42-00-4218	DEVELOPMENT FEES - MUNI BLDG	7,077	9,645	7,000	30,000	18,000	18,000
23-000-42-00-4222	ROAD CONTRIBUTION FEE	40,000	88,000	60,000	90,000	70,000	70,000
23-000-42-00-4224	RENEW PROGRAM PERMITS	2,411	900	-	-	-	-
Total:	Licenses & Permits	\$141,203	\$196,003	\$73,000	\$173,500	\$91,500	\$91,500
Charges for Service							
23-000-44-00-4440	ROAD INFRASTRUCTURE FEE	700,156	718,872	700,000	730,000	730,000	730,000
Total:	Charges for Service	\$700,156	\$718,872	\$700,000	\$730,000	\$730,000	\$730,000
Investment Earnings							
23-000-45-00-4500	INVESTMENT EARNINGS	1,630	3,703	1,000	6,750	1,000	1,000
Total:	Investment Earnings	\$1,630	\$3,703	\$1,000	\$6,750	\$1,000	\$1,000
Reimbursements & Miscellaneous							
23-000-46-00-4606	REIMB - COM ED	316,905	-	-	-	-	-
23-000-46-00-4607	REIMB - BLACKBERRY WOODS	11,999	131,574	-	7,797	7,549	7,549
23-000-46-00-4608	REIMB - KENNEDY RD IMPROVEMENTS	-	-	160,000	160,000	-	-
23-000-46-00-4620	REIMB - PULTE (AUTUMN CREEK)	25,703	-	-	-	-	-
23-000-46-00-4621	REIMB - FOUNTAIN VILLAGE	-	-	-	16,820	256,528	256,528
23-000-46-00-4622	REIMB - WHISPERING MEADOWS	-	-	-	-	800,000	800,000
23-000-46-00-4630	REIMB - STAGECOACH CROSSING	-	63,404	-	-	-	-
23-000-46-00-4660	REIMB - PUSH FOR THE PATH	38,618	1,413	312,617	118,943	29,000	29,000
23-000-46-00-4690	REIMB - MISCELLANEOUS	6,336	3,460	-	64,000	16,000	16,000
23-000-48-00-4845	DONATIONS	-	-	-	-	2,000	2,000
Total:	Reimbursements & Miscellaneous	\$399,561	\$199,851	\$472,617	\$367,560	\$1,111,077	\$1,111,077
Other Financing Sources							
23-000-49-00-4905	LOAN PROCEEDS	152,183	-	-	-	-	-
23-000-49-00-4910	SALE OF CAPITAL ASSETS	-	1,900	-	-	-	-
23-000-49-00-4916	TRANSFER FROM GENERAL - CW B&G	58,060	71,602	160,000	247,415	-	-
23-000-49-00-4923	TRANSFER FROM GENERAL - CW CAPITAL	-	-	-	-	250,000	569,725
23-000-49-00-4951	TRANSFER FROM WATER	-	-	1,098,924	1,015,982	-	-
Total:	Other Financing Sources	\$210,243	\$73,502	\$1,258,924	\$1,263,397	\$250,000	\$569,725
Total:	CITY-WIDE CAPITAL REVENUE	<u>\$1,588,515</u>	<u>\$1,726,285</u>	<u>\$2,705,765</u>	<u>\$2,833,961</u>	<u>\$2,183,577</u>	<u>\$2,503,302</u>

United City of Yorkville
City-Wide Capital Fund

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CITY-WIDE BUILDING & GROUNDS EXPENDITURES

Account	Description	FY 2016 Actual	FY 2017 Actual	FY 2018 Budget	FY 2018 Projected	FY 2019 Adopted	FY 2019 Amended
Contractual Services							
23-216-54-00-5405	BUILD PROGRAM	8,945	4,850	-	-	-	-
23-216-54-00-5446	PROPERTY & BLDG MAINT SERVICES	40,202	43,755	125,000	222,415	150,000	150,000
23-216-56-00-5626	HANGING BASKETS	-	-	-	-	2,000	2,000
	Total: Contractual Services	\$49,147	\$48,605	\$125,000	\$222,415	\$152,000	\$152,000
Supplies							
23-216-56-00-5656	PROPERTY & BLDG MAINT SUPPLIES	8,913	27,847	35,000	25,000	25,000	25,000
	Total: Supplies	\$8,913	\$27,847	\$35,000	\$25,000	\$25,000	\$25,000
Capital Outlay							
23-216-60-00-6013	BEECHER CENTER	-	-	-	-	-	319,725
23-216-60-00-6020	BUILDINGS & STRUCTURES	-	-	-	-	40,000	40,000
	Total: Capital Outlay	\$0	\$0	\$0	\$0	\$40,000	\$359,725
Other Financing Uses							
23-216-99-00-9901	TRANSFER TO GENERAL	7,077	9,645	7,000	30,000	18,000	18,000
	Total: Other Financing Uses	\$7,077	\$9,645	\$7,000	\$30,000	\$18,000	\$18,000
	Total: CW B&G EXPENDITURES	<u>\$65,137</u>	<u>\$86,097</u>	<u>\$167,000</u>	<u>\$277,415</u>	<u>\$235,000</u>	<u>\$554,725</u>

United City of Yorkville
City-Wide Capital Fund

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CITY-WIDE CAPITAL EXPENDITURES

Account	Description	FY 2016 Actual	FY 2017 Actual	FY 2018 Budget	FY 2018 Projected	FY 2019 Adopted	FY 2019 Amended
Contractual Services							
23-230-54-00-5405	BUILD PROGRAM	76,620	56,158	-	-	-	-
23-230-54-00-5406	RENEW PROGRAM	2,411	900	-	-	-	-
23-230-54-00-5465	ENGINEERING SERVICES	1,370	-	35,000	35,000	65,000	65,000
23-230-54-00-5497	PROPERTY TAX PAYMENT	-	-	-	8,054	-	-
23-230-54-00-5498	PAYING AGENT FEES	475	475	475	475	475	475
23-230-54-00-5499	BAD DEBT	739	1,136	1,200	1,200	1,200	1,200
	Total: Contractual Services	\$81,615	\$58,669	\$36,675	\$44,729	\$66,675	\$66,675
Capital Outlay							
23-230-60-00-6007	KENNEDY ROAD - AUTUMN CREEK	25,703	-	-	-	-	-
23-230-60-00-6008	BEECHER & CORNEILS ROAD	318,507	-	-	-	-	-
23-230-60-00-6009	WRIGLEY (RTE 47) EXPANSION	57,430	454,548	65,200	65,200	-	-
23-230-60-00-6011	PROPERTY ACQUISITION	-	160,877	-	-	-	-
23-230-60-00-6014	BLACKBERRY WOODS	11,999	131,574	-	7,797	7,549	7,549
23-230-60-00-6016	US34 (CENTER/ELDAMIAN RD) PROJECT	-	-	151,300	19,500	110,226	110,226
23-230-60-00-6017	STAGECOACH CROSSING	-	63,304	-	-	-	-
23-230-60-00-6018	GREENBRIAR POND NATURALIZATION	12,632	8,649	4,672	5,109	5,000	5,000
23-230-60-00-6019	BRISTOL BAY ACCESS ROAD	-	-	50,000	40,699	-	-
23-230-60-00-6021	PAVILLION ROAD STREAMBANK STABILIZATION	-	-	-	-	110,000	110,000
23-230-60-00-6023	FOUNTAIN VILLAGE SUBDIVISION	-	-	-	16,820	256,528	256,528
23-230-60-00-6025	ROAD TO BETTER ROADS PROGRAM	509,430	695,767	400,000	771,007	100,000	100,000
23-230-60-00-6034	WHISPERING MEADOWS SUBDIVISION	-	-	-	-	1,070,000	1,070,000
23-230-60-00-6041	SIDEWALK CONSTRUCTION	3,598	806	7,500	3,000	5,000	5,000
23-230-60-00-6048	DOWNTOWN STREETScape IMPROVEMENT	14,055	39,088	2,000	675	-	-
23-230-60-00-6058	RT 71 (IL 47/ORCHARD RD) PROJECT	-	-	-	-	30,333	30,333
23-230-60-00-6059	US 34 (IL 47/ORCHARD RD) PROJECT	-	16,497	94,600	81,682	98,413	98,413
23-230-60-00-6073	GAME FARM ROAD PROJECT	1,377,783	13,364	-	328,914	-	-
23-230-60-00-6075	RIVER ROAD BRIDGE PROJECT	152,183	-	-	-	-	-
23-230-60-00-6082	COUNTRYSIDE PKY IMPROVEMENTS	117,202	1,211,639	645,940	627,417	-	-
23-230-60-00-6084	CENTER & COUNTRYSIDE IMPROVEMENTS	-	-	522,000	228,480	-	-
23-230-60-00-6086	KENNEDY ROAD IMPROVEMENTS	-	25,753	601,500	384,669	10,000	10,000
23-230-60-00-6094	KENNEDY ROAD BIKE TRAIL	109,946	3,894	446,041	409,957	45,000	45,000
23-230-60-00-6095	SUNFLOWER ESTATES - DRAINAGE IMPROV	613	-	-	-	-	-
	Total: Capital Outlay	\$2,711,081	\$2,825,760	\$2,990,753	\$2,990,926	\$1,848,049	\$1,848,049
Debt Service - 2014A Bond							
23-230-78-00-8000	PRINCIPAL PAYMENT	135,000	185,000	190,000	190,000	190,000	190,000
23-230-78-00-8050	INTEREST PAYMENT	195,937	144,138	138,588	138,588	132,888	132,888
	Total: Debt Service - 2014A Bond	\$330,937	\$329,138	\$328,588	\$328,588	\$322,888	\$322,888

United City of Yorkville
City-Wide Capital Fund

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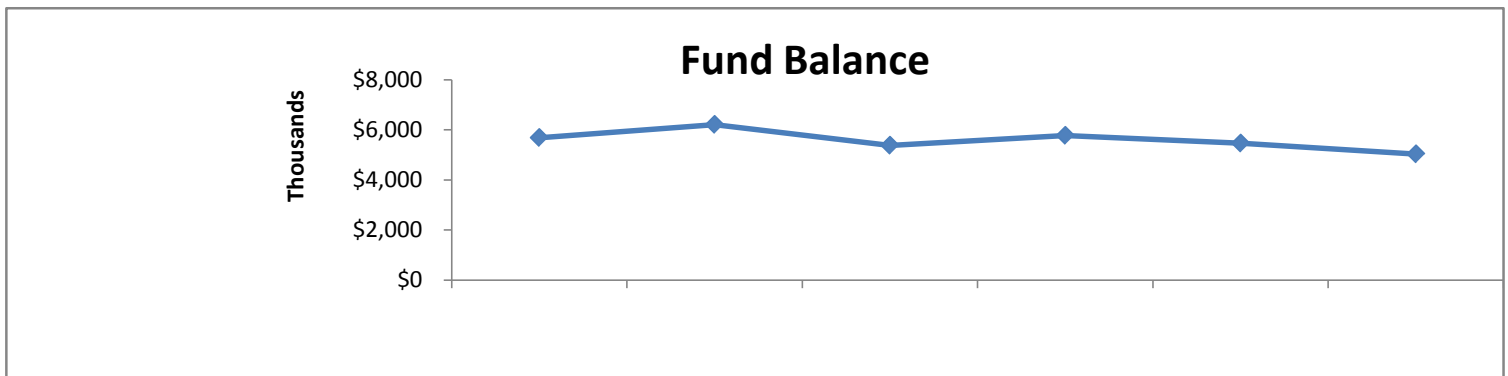
CITY-WIDE CAPITAL EXPENDITURES

Account	Description	FY 2016 Actual	FY 2017 Actual	FY 2018 Budget	FY 2018 Projected	FY 2019 Adopted	FY 2019 Amended
Kendall County Loan - River Road Bridge							
23-230-97-00-8000	PRINCIPAL PAYMENT	75,000	75,000	75,000	75,000	84,675	84,675
	Total: Kendall Co Loan - River Rd Bridge	\$75,000	\$75,000	\$75,000	\$75,000	\$84,675	\$84,675
Other Financing Uses							
23-230-99-00-9915	TRANSFER TO MOTOR FUEL TAX	5,544	-	-	-	-	-
23-230-99-00-9951	TRANSFER TO WATER	-	-	71,510	65,074	64,866	64,866
	Total: Other Financing Uses	\$5,544	\$0	\$71,510	\$65,074	\$64,866	\$64,866
	Total: CITY-WIDE CAP EXPENDITURES	<u>\$3,204,177</u>	<u>\$3,288,567</u>	<u>\$3,502,526</u>	<u>\$3,504,317</u>	<u>\$2,387,153</u>	<u>\$2,387,153</u>

GENERAL FUND (01)

The General Fund is the City's primary operating fund. It accounts for major tax revenue used to support administrative and public safety functions.

	FY 2016 Actual	FY 2017 Actual	FY 2018 Budget	FY 2018 Projected	FY 2019 Adopted Budget	FY 2019 Amended Budget
Revenue						
Taxes	10,330,920	10,736,464	10,899,060	10,910,998	11,014,213	11,014,213
Intergovernmental	2,311,978	2,235,395	2,379,022	2,259,827	2,512,487	2,512,487
Licenses & Permits	213,451	315,862	253,000	361,000	336,000	336,000
Fines & Forfeits	123,639	140,250	140,225	125,545	130,400	130,400
Charges for Service	1,401,384	1,465,678	1,365,564	1,500,764	1,535,112	1,535,112
Investment Earnings	6,394	21,197	15,000	35,000	20,000	20,000
Reimbursements	113,024	66,449	55,000	64,338	55,000	55,000
Miscellaneous	21,919	19,848	23,750	21,750	21,750	21,750
Other Financing Sources	7,077	9,645	7,000	30,000	18,000	18,000
Total Revenue	14,529,786	15,010,788	15,137,621	15,309,222	15,642,962	15,642,962
Expenditures						
Salaries	3,958,489	4,212,964	4,618,075	4,575,428	4,901,639	4,901,639
Benefits	2,447,779	2,635,062	3,086,500	2,903,642	3,056,457	3,056,457
Contractual Services	4,593,459	4,793,382	4,794,807	4,960,921	4,937,900	5,046,691
Supplies	216,288	197,932	274,353	274,642	330,998	330,998
Other Financing Uses	2,448,123	2,649,065	2,948,210	3,030,682	2,725,186	3,044,911
Total Expenditures	13,664,138	14,488,405	15,721,945	15,745,315	15,952,180	16,380,696
Surplus (Deficit)	865,648	522,383	(584,324)	(436,093)	(309,218)	(737,734)
Ending Fund Balance	5,691,706	6,214,089	5,383,778	5,777,996	5,468,778	5,040,262
	41.7%	42.9%	34.2%	36.7%	34.3%	30.8%



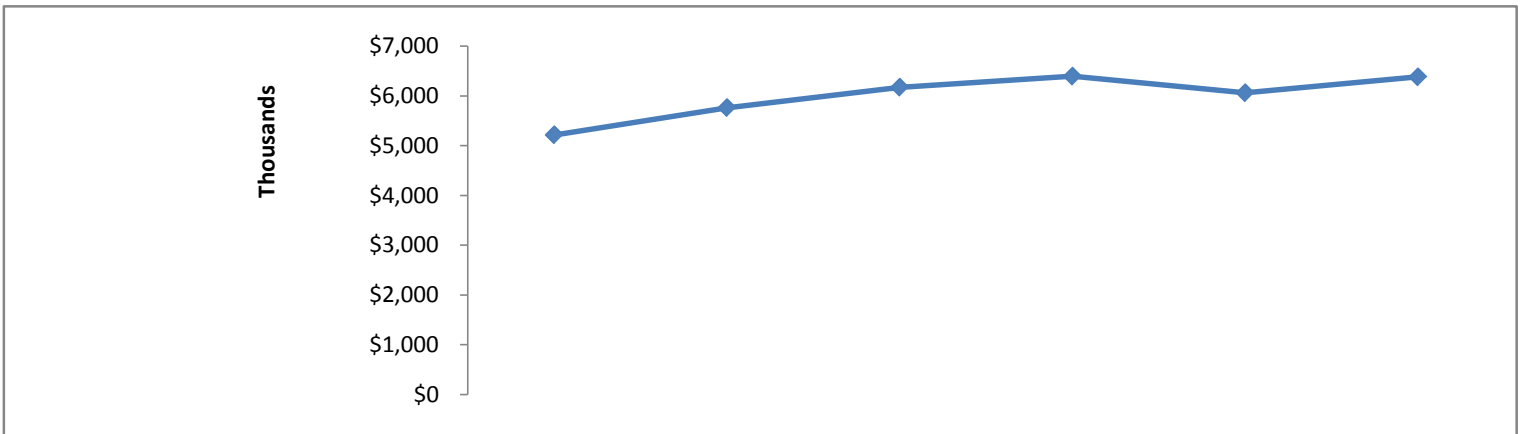
ADMINISTRATIVE SERVICES DEPARTMENT

The Administrative Services Department accounts for General Fund expenditures that are shared by all departments and cannot be easily classified in one department.

Administrative Services Cost Centers

- | | |
|-----------------------------------|--|
| - Police Special Detail | - Liability & Workers Compensation Insurance |
| - Information Technology Services | - Legal Services |
| - Tax Rebate Agreements | - Reimbursable Repairs |
| - Engineering Services | - Interfund Transfers |

	FY 2016 Actual	FY 2017 Actual	FY 2018 Budget	FY 2018 Projected	FY 2019 Adopted Budget	FY 2019 Amended Budget
Expenditures						
Salaries	6,129	800	26,964	17,440	500	500
Benefits	326,795	331,679	371,211	336,369	375,608	375,608
Contractual Services	2,408,252	2,770,751	2,822,006	2,995,870	2,945,232	2,945,232
Supplies	27,873	11,106	5,000	15,000	15,000	15,000
Other Financing Uses	2,448,123	2,649,065	2,948,210	3,030,682	2,725,186	3,044,911
Total Administrative Services Department	5,217,172	5,763,401	6,173,391	6,395,361	6,061,526	6,381,251



United City of Yorkville
General Fund

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ADMINISTRATIVE SERVICES

Account	Description	FY 2016 Actual	FY 2017 Actual	FY 2018 Budget	FY 2018 Projected	FY 2019 Adopted	FY 2019 Amended
Salaries							
01-640-50-00-5016	SALARIES - SPECIAL CENSUS	-	-	26,464	16,740	-	-
01-640-50-00-5092	POLICE SPECIAL DETAIL WAGES	6,129	800	500	700	500	500
	Total: Salaries	\$6,129	\$800	\$26,964	\$17,440	\$500	\$500
Benefits							
01-640-52-00-5214	FICA CONTRIBUTION-SPECIAL CENSUS	-	-	-	1,281	-	-
01-640-52-00-5230	UNEMPLOYMENT INSURANCE	18,460	11,298	20,000	10,527	20,000	20,000
01-640-52-00-5231	LIABILITY INSURANCE	279,135	286,792	308,503	295,955	313,712	313,712
01-640-52-00-5240	RETIREES - GROUP HEALTH INSURANCE	27,988	33,255	42,101	27,999	41,367	41,367
01-640-52-00-5241	RETIREES - DENTAL INSURANCE	1,052	260	530	530	449	449
01-640-52-00-5242	RETIREES - VISION INSURANCE	160	74	77	77	80	80
	Total: Benefits	\$326,795	\$331,679	\$371,211	\$336,369	\$375,608	\$375,608
Contractual Services							
01-640-54-00-5418	PURCHASING SERVICES	-	5,187	50,000	51,863	53,419	53,419
01-640-54-00-5421	PPRT TAX REBATE	2,045	-	-	-	-	-
01-640-54-00-5423	IDOR ADMINISTRATION FEE	-	-	-	51,934	57,357	57,357
01-640-54-00-5427	GC HOUSING RENTAL ASSISTANCE	-	-	12,000	3,000	12,000	12,000
01-640-54-00-5428	UTILITY TAX REBATE	-	-	14,375	14,375	14,375	14,375
01-640-54-00-5432	FACILITY MANAGEMENT SERVICES	-	-	35,000	6,000	50,000	50,000
01-640-54-00-5439	AMUSEMENT TAX REBATE	60,628	61,613	64,000	62,000	60,000	60,000
01-640-54-00-5449	KENCOM	72,679	74,842	78,584	119,559	110,958	110,958
01-640-54-00-5450	INFORMATION TECHNOLOGY SERVICES	50,875	117,691	160,280	210,000	136,000	136,000
01-640-54-00-5456	CORPORATE COUNSEL	88,017	102,825	120,000	105,000	110,000	110,000
01-640-54-00-5461	LITIGATION COUNSEL	166,659	211,454	120,000	200,000	120,000	120,000
01-640-54-00-5463	SPECIAL COUNSEL	19,767	4,815	25,000	10,000	20,000	20,000
01-640-54-00-5465	ENGINEERING SERVICES	368,071	350,899	390,000	390,000	390,000	390,000
01-640-54-00-5473	KENDALL AREA TRANSIT	23,550	23,550	25,000	23,550	25,000	25,000
01-640-54-00-5475	CABLE CONSORTIUM FEE	86,054	92,765	85,000	92,000	92,000	92,000
01-640-54-00-5478	SPECIAL CENSUS	-	108,093	-	3,349	-	-
01-640-54-00-5481	HOTEL TAX REBATE	72,375	65,166	76,500	72,000	72,000	72,000
01-640-54-00-5486	ECONOMIC DEVELOPMENT	47,564	160,359	114,100	145,725	145,000	145,000
01-640-54-00-5491	CITY PROPERTY TAX REBATE	1,286	1,286	1,500	1,233	1,500	1,500
01-640-54-00-5492	SALES TAX REBATE	856,785	879,408	941,367	914,584	928,303	928,303
01-640-54-00-5493	BUSINESS DISTRICT REBATE	368,899	387,157	387,300	387,182	425,320	425,320
01-640-54-00-5494	ADMISSIONS TAX REBATE	121,799	122,007	120,000	130,766	120,000	120,000
01-640-54-00-5499	BAD DEBT	1,199	1,634	2,000	1,750	2,000	2,000
	Total: Contractual Services	\$2,408,252	\$2,770,751	\$2,822,006	\$2,995,870	\$2,945,232	\$2,945,232

United City of Yorkville
General Fund

640

ADMINISTRATIVE SERVICES

Account	Description	FY 2016 Actual	FY 2017 Actual	FY 2018 Budget	FY 2018 Projected	FY 2019 Adopted	FY 2019 Amended
Supplies							
01-640-56-00-5625	REIMBURSABLE REPAIRS	27,873	11,106	5,000	15,000	15,000	15,000
	Total: Supplies	\$27,873	\$11,106	\$5,000	\$15,000	\$15,000	\$15,000
Other Financing Uses							
01-640-99-00-9915	TRANSFER TO MOTOR FUEL TAX	25,407	33,750	-	-	-	-
01-640-99-00-9923	TRANSFER TO CITY-WIDE CAPITAL	-	-	-	-	250,000	569,725
01-640-99-00-9916	TRANSFER TO CW BUILDINGS & GROUNDS	58,060	71,602	160,000	247,415	-	-
01-640-99-00-9942	TRANSFER TO DEBT SERVICE	127,243	266,979	315,225	313,725	318,725	318,725
01-640-99-00-9952	TRANSFER TO SEWER	1,134,654	1,134,052	1,137,166	1,137,166	856,583	856,583
01-640-99-00-9979	TRANSFER TO PARK & RECREATION	1,076,831	1,118,638	1,308,583	1,308,583	1,274,699	1,274,699
01-640-99-00-9982	TRANSFER TO LIBRARY OPERATIONS	25,928	24,044	27,236	23,793	25,179	25,179
	Total: Other Financing Uses	\$2,448,123	\$2,649,065	\$2,948,210	\$3,030,682	\$2,725,186	\$3,044,911
	Total: ADMINISTRATIVE SERVICES	<u>\$5,217,172</u>	<u>\$5,763,401</u>	<u>\$6,173,391</u>	<u>\$6,395,361</u>	<u>\$6,061,526</u>	<u>\$6,381,251</u>



Memorandum

To: Public Work Committee
From: Steve Raasch, Facilities Manager
CC: Bart Olsen, City Administrator, Erin Willrett, Assistant City Administrator,
Eric Dhuse, Director of Public Works
Date: June 12, 2018
Subject: Beecher Community Center HVAC Replacement

Summary

Discussion of the bids received for the replacement of (2) existing HVAC Units at the Beecher Community Center.

Background

Earlier this year, Farren Heating & Cooling of Yorkville, responded to a lack of heating at the Beecher Community Center. They diagnosed that the heating portions on both Mammoth HVAC units (300,000 & 235,000 BTUs of heating), have failed and cannot be repaired, because parts are unavailable based on the age of the units that were installed in 1981, and they are also past their useful life expectancy. The existing units will not be able to heat the building when the temperatures fall later this year. The existing units are under a roof system that was added after the units were original installed, because of persistent roof leaks.

Based on this information, staff proceeded with the creation of a RFP, and went out to formal bid. The RFP calls for the existing units to be disconnected, removed and disposed of, from under the roof line. The replacement units are to be installed on the ground level on a concrete pad, to allow the units better ventilation and easier access for future repairs. A 6" thick concrete pad will be installed on ground level to hold the new units, and a 6' tall cedar fence, with a gate, will be installed around the pad for security. Insulated galvanized ductwork, will be run from the new units to the existing ductwork openings inside the roofed in area. The new units will include economizers and power exhaust, which will allow a more energy efficient way to heat and cool the building. The existing manual thermostats will be replaced with a new Honeywell thermostat control system, which will allow the systems to be monitored and controlled remotely. The new HVAC units will come with a 5 year manufacturer's warranty, and all work will come with a 1 year labor warranty.

Seven contractors attended the Pre-Bid Meeting on June 24, 2018. Of those 7 contractors, 2 submitted their bids on 5/24/18. The low bidder was R.J. O'Neil at \$173,096 (including all 3 alternates), but after the bid opening, they provided a letter clarifying their bid and also noted that they did not include some items in their bid. Based on these exclusions, R.J. O'Neil was disqualified, and Trico Mechanical became the low bidder at \$319,725 (including all 3 alternates). The current bid pricing from Trico Mechanical will expire on 8/22/2018. This project is not part of the approved FY19 budget.

Recommendation

Staff recommends the approval of the Trico Mechanical Proposal, 3 alternates, and 3 addendums, before 8/22/2018, for a cost not to exceed \$319,725. If approved, a budget amendment would be required. If the committee agrees, staff would forward the attached contract and resolution for approval at a future City Council meeting.

Attachments

RFP

Addendums 1-3

Trico Mechanical Proposal

RJ O'Neil Proposal

RJ O'Neil Letter additional notes and changes to their original proposal

Contract



United City of Yorkville, Illinois

REQUEST FOR PROPOSAL

for an HVAC System Replacement at the Beecher Center

Legal Notice Posted:	April 25, 2018
Pre-Bid Meeting	May 8, 2018 at 10:00 AM
Proposals Due:	May 17, 2018 at 10:00AM

United City of Yorkville
REQUEST FOR PROPOSAL
HVAC System Replacement at the Beecher Center
May 2018

Table of Contents

- A. Legal Notice to Bidders
- B. General Information
- C. Introduction
- D. Project Specifications
- E. Instructions to Bidders
- F. Contract
- G. Bid Certifications
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- I. Subcontractors
- J. Equipment List
- K. Bid Proposal Sheet
- L. Bid Sheet Signature
- M. Contractor Bid Agreement

United City of Yorkville, Illinois
LEGAL NOTICE
Request for Proposal

HVAC System Replacement at the Beecher Center

Sealed bids for an HVAC system replacement at the Beecher Center will be received at the address listed below until May 17, 2018 at 10:00 a.m. All bids will be publicly opened immediately thereafter. Proposals Bids not physically received by the City by 10:00 a.m. on May 17, 2018 will be returned, unopened to the bidder. Emailed or faxed proposals will not be accepted. All proposals should be addressed and delivered to:

United City of Yorkville
RE: (Vendor Name)
Bid for HVAC System Replacement at the Beecher Center
Attention: Steve Raasch, Facilities Manager
800 Game Farm Road
Yorkville, IL 60560

There will be a Pre-Bid Meeting at Yorkville City Hall on Tuesday, May 8, 2018 at 10:00 AM. Bid packets are available online at <http://www.yorkville.il.us>. The link can be found under the Business tab - Bids & RFPs. Additional packets may be picked up at City Hall, 800 Game Farm Road, Yorkville, IL 60560. City Hall is open Monday through Friday, 8:00AM to 4:30PM.

Each bid must be accompanied by a Bid Guarantee in the form of a Bid Bond from a company with an A-1 best rating, or a cashier's check in the amount of ten percent (10%) of the bid and made payable to the United City of Yorkville, 800 Game Farm Road, Yorkville, IL 60560. No bid shall be withdrawn for a period of thirty (30) days after the bid opening date without the consent of the City. Checks or drafts of unsuccessful bidders will be returned as soon as possible after award and execution of the contract. Contractor must comply with Prevailing Wage Act.

Any questions concerning this Request For Proposal, the actual specifications or the plans can be forwarded by email to Eric Dhuse at edhuse@yorkville.il.us no later than May 10, 2018 at 5PM.

The City Council will make the final selection and award of the contract. The City Council reserves the right to accept or reject any and all bids, to waive technicalities and to accept or reject any item of any bid.

No communication, except as otherwise allowed in the specifications, shall occur regarding this Request For Proposal, including requests for information, or speculation between Bidder's or any of their individual members and any City elected official, employee or independently contracted employees or consultants. Failure to comply with this provision may result in offeror's proposal being removed from consideration

Any cost incurred by the Bidder in preparation, transmittal, or presentation of any information or material submitted in response to the RFP, shall be borne solely by the Bidder.

General Information

The United City of Yorkville is seeking an experienced individual or firm for the removal and replacement of the HVAC system at the Beecher Center. The Beecher Center is located at 901 Game Farm Rd, Yorkville, IL 60560.

The Contractor shall furnish and provide all labor, materials, tools, equipment and machinery, unless otherwise specified, necessary to perform and complete, in a good and workmanlike manner, the removal and replacement of the HVAC system at the Beecher Center. The Contractor is responsible for being familiar with all conditions, instructions, and documents governing this contract. Failure to make such preparations shall not excuse the Contractor from performance of the duties and obligations imposed under the term of this contract.

Introduction

Project Description:

The City is requesting proposals according to the Project Specifications and Plans contained herein (the "Project"). The Project consists of the removal and replacement of the HVAC system of the Beecher Center. All equipment is currently roof mounted and concealed in ventilated attic/roof space. **A job site visit is expected to submit a comprehensive bid.**

Project Specifications and Plans

Scope of Work: The City is requesting a turn-key proposal for the replacement of one (1) Mammoth packaged heat/cool RTU and one (1) Mammoth heat only RTU with DX Condenser. All equipment is currently roof mounted and concealed in ventilated attic/roof space. Bidders must completely familiarize themselves with the specifications in this bid document.

Description of Work.

- Demo and removal existing equipment from the job site.
- Capping/covering of exiting unused roof curbs with galvanized steel caps, insulated on inside of cap with 1" insulation.
- **Below is the basis for design and the Contractor will be responsible for producing a set of engineered and stamped drawings for the following:**
 - 1) Install two (2) Packaged Heat/cool units sized to handle current spaces conditioned by the units designated for replacement. New units to be side discharge, equipped with: economizers with built in power exhaust, humidification control, and CO2 monitoring, include new flat curbs supplied by manufacture. Acceptable manufactures: Trane, Carrier Corp or equivalent. All submitting companies must submit manufacture and basic model numbers, manufacturer specifications and cut sheets with the bid submittals.
 - 2) New units to be set to be set on manufactured supplied equipment curbs and new 6" thick concrete reinforced concrete pad, large enough to allow for manufactures required clearance. All pad work, grading and reseeding to be included in quote, spoils that are not used for back fill or final grading to be hauled off site at the expense of the contractor awarded the project. Exact location of new concrete pad to be approved by the City of Yorkville. This will be a separate line item. The City may be able to provide the concrete slab, time permitting.

- 3) Supply and return duct to be extended from point of disconnection in attic space and connected to side discharge connections of corresponding new unit.
- 4) Contractor to supply stainless steel ductwork for all **exterior** ductwork until the interior connection is made.
- 5) Bid needs to include hail guards installed on each unit.
- 6) Electric and gas from demo'd units from shall be extended to from attic space to location of new units. All shut offs and disconnects in attic space to be removed and new shut offs and disconnect switches to be installed per code at location of new units. Contractor to confirm that existing wiring, breakers and gas is of proper size and should include any needed upgrades in their proposal.
- 7) **Controls-** Shall be stand alone digital thermostats with (7) day programmable schedule, capable of controlling all functions of the new HVAC equipment. Thermostats should also have a wifi option so that the Facilities Manager or Public Works Director can monitor them through a cell phone application.
- 8) Six (6) foot tall Cedar privacy fence with locking double door gate sized large enough to allow for future service or replacement of units shall be installed around concrete pad.
- 9) Existing Condenser discharge opening in roof to have rain proof outside air hoods installed to allow for ventilation of attic space.
- 10) Existing wood louvers on the south side of the building used for access to the attic space shall be removed and discarded to allow for new duct work, access must be maintained to allow for access into space.
- 11) **Duct Insulation-**All Exterior Supply and Return Duct work to be externally insulated with 2" thick fiberglass board with Venture Clad wrap.
- 12) **Test & Balance-** At end of project the contractor will turn in a TAB certified report showing: Manufactures test data, fan curves, total cfm, and static along with any other relative performance data associated with specified equipment. Any belts, sheaves or pulleys needed for adjustments to be installed with no added expense to the City of Yorkville.

Submittals: Contractor will be responsible for submitting the final design to the Director and/or Facilities Manager for review and approval. The equipment submittals shall be approved and stamped by a mechanical engineer.

Training: Contractor to provide one (1) training session for owners representative. Training to include controls and general maintenance.

Billing/Invoicing: All billing and invoicing should be done at the completion of the project. Billing will include the date, the items supplied with serial numbers, and the total cost of each line item. After receipt of a correct invoice, payments shall be due and owing by the City in accordance with the terms and provisions of the Local Government Prompt Payment Act, Illinois Compiled Statutes, Ch. 50, Sec. 505, et. seq.;

If, in the opinion of the City, the Contractor has not or is not satisfactorily performing the work covered by this specification, and within three (3) business days of receipt of a written demand from the City, for performance, has not cured any defect in performance specifically itemized in such demand, the City may, at its option:

- a) Withhold payment.

- b) Consider all or any part of this contract breached and terminate the contractor, or
- c) May hire another contractor to cure any defects in performance or complete all work covered by this specification for the remaining term of this contract.
- d) Any demand for performance shall be specifically delivered to contractor by personal delivery, certified or registered mail.

The City will make periodic inspections and follow up as needed with the contractor to discuss any issues, etc.

Warranty: Contractor shall ensure a five (5) manufacturer's warranty coverage and/or warranty service on any and all items including goods, materials, or equipment provided to the City. All Manufacturer warranties shall be passed through to the City. Such warranty shall not be deemed waived either by reason of the City's acceptance of said material or goods or by payment for them. The Contractor shall assist the City with replacement of all defective or damaged goods. Contractor to provide one (1) year labor warranty on installation. Labor Warranty to start on date of owner training.

Annual Maintenance: Contractor to provide pricing for an annual maintenance contract to cover preventative maintenance and change over costs for the twice annual start-up and shut down of the units.

Disposal of Material: Contractor shall legally dispose of all waste material generated from the project at a dump site compliant with Local, State and Federal regulations. Contractor shall provide a report of the amount in cubic yards of material disposed and where the material was disposed. The contractor will be required to provide & sign a disposal certificate acknowledgement form. In addition, Contractor shall reclaim refrigerant per EPA guidelines- documentation of this must be turned in at end of job.

Completion of Project: Contractor to supply owner with (2) copies of equipment O & M manuals, Test and Balance Report, Approved Equipment Submittals, Warranty letter stating start and finish dates for both manufactures warranty and labor warranty.

Prevailing wage Law: This project is subject to the Illinois Prevailing Wage Act.

Conditions: The Contractor is responsible for being familiar with all conditions of this project and delivery location. Failure to make such investigation and preparations shall not excuse the Contractor from performance of the duties and obligations imposed under the terms of this contract.

Traffic Control: The Bidder will be responsible for maintenance of traffic during the Project. If necessary, the Bidder must use flag men, traffic cones and advance warning signs to assist with traffic flow and comply with the State of Illinois Traffic Control Manual.

Debris: The Bidder shall clean and maintain all work areas at all times. Effective dust control by use of spray systems or other means shall be maintained at all times.

Protection of Property and Utilities: All reasonable precautions will be taken to protect public and private property such as pavements, sidewalks, lawns, fences, bushes, trees, shrubs, catch basins, manholes, drains, utilities, buildings and other property from undue damage. If the Director of Public Works determines that the Contractor has damaged or destroyed property, it shall be repaired or replaced to the satisfaction of the Director at the Contractor's expense.

If Applicable, the Contractor shall have full responsibility for locating all underground facilities in work areas, whether shown or not shown on the Drawings, and contacting JULIE for coordination of the work with the owners of such underground facilities during construction, for the safety and protection thereof, and repairing any damage thereto resulting from the Project; the cost of which shall be included in the Contract Unit Prices for the items specified.

Rules, regulations, and codes governing the respective utilities which may be encountered shall be observed in executing all work

Accident Reporting: All accidents occurring on the job which damage public or private property, result in injuries to workers or other persons, or damage to utilities shall be promptly reported to the City's Police and to the Public Works Department.

The person or company submitting the bid shall at all times observe and conform to all laws, ordinances, and regulations of the Federal, State, and City which may in any manner affect the bid.

NOTE: Scope of Work was written with the help of Trico Mechanical, Inc. of Sugar Grove, IL.

Instructions to Bidders

1. **Receipt of Bid:** **May 17, 2018; 10:00 A.M.**
2. **Basis of Bid:** Sealed bids will be received until the above noted time and date.
3. **Project Description:** HVAC system replacement for the Beecher Center
4. **Preparation and Submission of Bids:**
 - A. Each bid shall be submitted on the exact form furnished. All blank spaces for bid prices, unit costs and alternates must be filled in using both words and figures if indicated. In case of any discrepancy in the amount bid, the prices expressed in written words shall govern.
 - B. Each Bidder must complete, execute and submit with its bid a certifications regarding public contracting.
 - C. Each Bidder must submit a complete bid package, including the following items:
 - i. **Signed Contract**
 - ii. **Bid Certifications**
 - iii. **Bid Sheet**
 - iv. **Contract**
 - v. **References**
 - vi. **Subcontractors List.**
 - vii. **Equipment List**
 - viii. **Bid Guarantee in the amount of 10% of the total of project.**
 - D. One (1) paper copy of the bid and one electronic version of the bid on a flash drive in a *.pdf (Adobe Acrobat) version shall be submitted in a sealed envelope on or before the time stated and shall bear the name of the individual, firm, or corporation submitting the Bid and the Bid Name - "HVAC System replacement for the Beecher Center".
 - E. Bidders may attach separate sheets to the bid for the purpose of explanation, exception, alternate bid and to cover unit prices, if needed.
 - F. Bidders may withdraw their bid either personally or by written request at any time before the hour set for the bid opening, and may resubmit it. No bid may be withdrawn or modified after the bid opening except where the award of contract has been delayed for a period of more than ninety (90) days.
 - G. In submitting this bid, the bidder further declares that the only person or party interested in the proposal as principals are those named herein; and that the bid is made without collusion with any other person, firm or corporation.
 - H. The Bidder further declares that he has carefully examined this entire Bid Package, and he has familiarized himself with all of the local conditions affecting the Project and the detailed requirements of this work and understands that in making the bid he waives all rights to plead a misunderstanding regarding same.
 - I. The Bidder further agrees that if the City decides to extend or shorten the completion period, or otherwise alters it by extras or deductions, including elimination of one or more of the items, as provided in the specifications, the Bidder will perform the work as altered, increased or decreased.
 - J. The Bidder further agrees that the City representative may at any time during the progress of the Project covered by this Contract, order other work or materials incidental thereto and that all such work and materials as do not appear in the bid or contract as a

specific item covered by a lump sum price, and which are not included under the bid price for other items in the Contract, shall be performed as extra work.

- K. The Bidder further agrees to execute all documents within this Bid Package, for this work and present all of these documents to the City.
- L. The Bidder further agrees to execute all documents within this Bid Package, obtain a Certificate of Insurance for this work and present all of these documents within fifteen (15) days after the receipt of the Notice of Award.
- M. The Bidder further agrees to begin work not later than ten (10) days after receipt of the Notice to Proceed, unless otherwise provided, and to execute the work in such a manner and with sufficient materials, equipment and labor as will insure its completion within the time limit specified within the bid, it being understood and agreed that the completion within the time limit is an essential part of the contract.
- N. By submitting a bid, the Bidder understands and agrees that, if his bid is accepted, and he fails to enter into a contract forthwith, he shall be liable to the City for any damages the City may thereby suffer.
- O. No bid will be considered unless the party offering it shall furnish evidence satisfactory to the City that he has necessary facilities, ability and pecuniary resources to fulfill the conditions of the Contract.

5. **Additional Information Request:** Questions regarding this Request for Proposal can be emailed to Steve Raasch, Facilities Manager at SRaasch@yorkville.il.us and specific questions regarding the specifications in this Invitation To Bid can be emailed to Eric Dhuse at EDhuse@yorkville.il.us by the end of business on May 10, 2018. Answers will be provided in writing to all potential Bidders who the City has notice of their intent to submit a bid; No oral comments will be made to any Bidder as to the meaning of the Request for Proposal and Specifications or other contract documents. Bidders will not be relieved of obligations due to failure to examine or receive documents, visit the site or become familiar with conditions or facts of which the Bidder should have been aware of and the City will reject all claims related thereto.

Information (other than in the form of a written Addendum issued by the City) from any officer, agent, or employee of the City or any other person shall not affect the risks or obligations assumed by the Bidder or relieve him from fulfilling any of the conditions and obligations set forth in the proposal and other contract documents. Before the proposals are opened, all modification or additions to the proposal documents will be made in the form of a written Addendum issued by the City. Any Addendum issued will be posted on the City's website. In the event of conflict with the original contract documents, addenda shall govern all other contract documents to the extent specified. Subsequent addenda shall govern over prior addenda only to the extent specified.

The Bidder shall be required to acknowledge receipt of the formal Addendum by signing the Addendum and including it with the proposal quotation. Failure of a Bidder to include a signed formal Addendum in its bid shall deem its bid non-responsive: provided, however that the City may waive this requirement if it in its best interest.

6. **Conditions:**
- A. The City is exempt from Federal excise tax and the Illinois Retailer's Occupation Tax. This bid shall not include any amounts of money for these taxes.
 - B. To be valid, the bids shall be itemized so that selection for purchase may be made, there being included in the price of each unit the cost of delivery (FOB Destination).

- C. The City shall reserve the right to add or to deduct from the base bid and/or alternate bid any item at the prices indicated in itemization of the bid.
- D. All bids shall be good for ninety (90) days from the date of the bid opening.
7. **Award of Bid:** The United City of Yorkville reserves the right to reject any or all bids and to waive any informality or technical error and to accept any bid deemed most favorable to the interests of the United City of Yorkville.
- A. The items of work not specifically mentioned in the Schedule which are necessary and required to complete the work intended shall be done incidental to and as part of the items of work for which a unit price is given. No additional payment will be made for such incidental work. The Bidder shall be responsible for identifying all costs to complete the project on time and in order to create a functional and operational system in accordance with the Plans and Specifications.
- B. In addition to price, the City may consider:
- Ability, capacity and skill to fulfill the contract as specified.
 - Ability to supply the commodities, provide the services or complete the construction promptly, or within the time specified, without delay or interference.
 - Character, integrity, reputation, judgment, experience and efficiency.
 - Quality of performance on previous contracts.
 - Previous and existing compliance with laws and ordinances relating to the contract.
 - Sufficiency of financial resources.
 - Quality, availability and adaptability of the commodities, services or construction, in relation to the City 's requirements.
 - Ability to provide future maintenance and service under the contract.
 - Number and scope of conditions attached to the bid/proposal.
 - Record of payments for taxes, licenses or other monies due the City
8. **Rejection of Bids:**
- A. The City reserves the right to cancel invitations for bids or requests for proposals without penalty when it is in the best interest of the City. Notice of cancellation shall be sent to all individuals or entities solicited.
- B. The City reserves the right to reject any or all bids, to waive any minor informality or irregularity in any bid, to negotiate changes and/or modifications with the lowest responsible bidder and to make award to the response deemed to be the most advantageous to the City. Any bid not conforming to the specifications or requirements set forth by the City in the bid request may be rejected.
- C. Bids may also be rejected if they are made by a bidder that is deemed un-responsible due to a lack of qualifications, capacity, skill, character, experience, reliability, financial stability or quality of services, supplies, materials, equipment or labor.
9. **Equal Opportunity:** The Bidder will not discriminate against any employee or applicant for employment because of race, color, religion, sex, ancestry, national origin, place of birth, age or handicap unrelated to bona fide occupational qualifications.
10. **Non-Discrimination:** The Bidder, its employees and subcontractors, agrees not to commit unlawful discrimination and agrees to comply with applicable provisions of the Illinois Human Rights Act, the U.S. Civil Rights Act and Section 504 of the Federal Rehabilitation Act, and rules applicable to each.

11. **Execution of Documents:** The Bidder, in signing his Bid on the whole or on any portion of the work, shall conform to the following requirements:

Bids signed by an individual other than the individual represented in the Bid documents shall have attached thereto a power of attorney evidencing authority to sign the Bid in the name of the person for whom it is signed.

Bids which are signed for a partnership shall be signed by all of the partners or by an attorney-in-fact. If signed by an attorney-in-fact, there shall be attached to the Bid a power of attorney evidencing authority to sign the bid, executed by the partners.

Bids which are signed for a corporation shall have the correct corporate name thereof and the signature of the President or other authorized officer of the corporation manually written below the corporate name.

If such Bid is manually signed by an official other than the President of the Corporation, a certified copy of a resolution of the board of directors evidencing the authority of such official to sign the Bid should be attached to it. Such Bid shall also bear the attesting signature of the Secretary of the corporation.

12. **Independent Contractor:** There is no employee/employer relationship between the Contractor and the City. Contractor is an independent contractor and not the City's employee for all purposes, including, but not limited to, the application of the Fair Labor Standards Act minimum wage and overtime payments, Federal Insurance Contribution Act, the Social Security Act, the Federal Unemployment Tax Act, the Worker's Compensation Act (820 ILCS 305/1, et seq.). The City will not (i) provide any form of insurance coverage, including but not limited to health, worker's compensation, professional liability insurance, or other employee benefits, or (ii) deduct any taxes or related items from the monies paid to Contractor. The performance of the services described herein shall not be construed as creating any joint employment relationship between the Contractor and the City, and the City is not and will not be liable for any obligations incurred by the Contractor, including but not limited to unpaid minimum wages and/or overtime premiums, nor does there exist an agency relationship or partnership between the City and the Contractor.

13. **Approval and Use of Subcontractors:** The Contractor shall perform the Services with its own personnel and under the management, supervision, and control of its own organization unless otherwise approved by the City in writing. All subcontractors and subcontracts used by the Contractor shall be included on the Subcontractor's form in the Bid proposal and be acceptable to, and approved in advance by the City. The City's approval of any subcontractor or subcontract shall not relieve the Contractor of full responsibility and liability for the provision, performance, and completion of the Work in full compliance with, and as required by or pursuant to, this Contract. If the Contractor chooses to use subcontractors to perform any of the Work, the Work performed under any subcontract shall be subject to all of the provisions of this Contract in the same manner as if performed by employees of the Contractor. Every reference in this Contract to "Contractor" shall be deemed to also apply to all subcontractors of the Contractor. Every subcontract entered into by the Contractor to provide the Work or any part thereof shall include a provision binding the subcontractor to all provisions of this Contract.

If any personnel or subcontractor fail to perform the part of the Work undertaken by it in a manner satisfactory to the City, the Contractor shall immediately upon notice from the

City remove and replace such personnel or subcontractor. The City shall have no claim for damages, for compensation in excess of the contract price, or for a delay or extension of the contract time as a result of any such removal or replacement.

14. **Assignment:** Neither the City nor the Contractor shall assign or transfer any rights or obligations under this Agreement without the prior written consent of the other party.
15. **Governing Law:** The Contract and the rights of the City and Bidder under the Contract shall be interpreted according to the laws of the State of Illinois. Venue for any action related to the Contract will be in the Circuit Court of Kendall County, Illinois.
16. **Changes in Law:** Unless otherwise explicitly provided in the Contract, any reference to laws shall include such laws as they may be amended or modified from time to time.
17. **Time:** The Contract Time is of the essence of this Contract. Except where otherwise stated, references in the Contract to days shall be construed to refer to calendar days.

GENERAL CONDITONS

This entire bid package and following sections apply to all bids requested and accepted by the City and become a part of the contract unless otherwise specified. Persons submitting bids or their authorized representatives are expected to fully inform themselves as to the conditions, requirements, and specifications before submitting bids. The City assumes that submission of a bid means that the person submitting the bid has become familiar with all conditions and intends to comply with them unless noted otherwise.

1. **Definitions:** The Term “City” whenever used in the contract documents shall be construed to mean the United City of Yorkville. The United City of Yorkville, the Community Development Department, and the Director of Community Development shall also be known herein, respectively, as the City, the Department, and the Director.
2. **Conditions:** The Bidder is responsible for being familiar with all conditions, instructions, and documents governing this Project and bid. Failure to make such investigation and preparations shall not excuse the Contractor from performance of the duties and obligations imposed under the terms of the contract.
3. **Bid Bond:** If the bidder’s proposal for this project exceeds forty thousand dollars (\$40,000.00), bids shall be secured by a certified check, bank draft, satisfactory bid bond or approved letter of credit in the amount of ten percent (10%) of the total amount of the complete project. Bid security shall be submitted with the bid.
4. **Performance Bond:** If the bidder’s proposal for the project is equal to or greater than \$5,000 then the following bonds shall be delivered to the City and shall become binding with the acceptance of the bid:

Performance bond satisfactory to the City, executed by Surety Company authorized to do business in the state or otherwise secured in a manner satisfactory to the City, in an amount equal to 110% of the complete project. The surety on the bond shall be a company that is licensed by the Department of Insurance authorizing it to execute surety bonds and the company shall have a financial strength rating of at least A- as rated by A.M. Best Company, Inc., Moody’s Investors Service, Standard & Poor’s Corporation, or a similar rating agency.

Upon receipt of the performance bond, the City will return the bid bond to the bidder.

5. **Insurance Requirements:** The successful Bidder shall comply with the City’s insurance requirements attached hereto as Exhibit A.
6. **Force Majeure:** Whenever a period of time is provided for in this Agreement for the Contractor or the City to do or perform any act or obligation, neither party shall be liable for any delays or inability to perform if such delay is due to a cause beyond its control and without its fault or negligence including, without limitation: a) Acts of nature; b) Acts or failure to act on the part of any governmental authority other than the City or Contractor, including, but not limited to, enactment of laws, rules, regulations, codes or ordinances subsequent to the date of this Agreement; c) Acts of war; d) Acts of civil or military authority; e) Embargoes; f) Work stoppages, strikes, lockouts, or labor disputes;

g) Public disorders, civil violence, or disobedience; h) Riots, blockades, sabotage, insurrection, or rebellion; i) Epidemics or pandemics; j) Terrorist acts; k) Fires or explosions; l) Nuclear accidents; m) Earthquakes, floods, hurricanes, tornadoes, or other similar calamities; n) Major environmental disturbances; or o) Vandalism. If a delay is caused by any of the force majeure circumstances set forth above, the time period shall be extended for only the actual amount of time said party is so delayed. Further, either party claiming a delay due to an event of force majeure shall give the other party written notice of such event within three (3) business days of its occurrence or it shall be deemed to be waived.

7. **Liquidated Damages:** Time is of the essence to the contract. Should the Contractor fail to complete the work within the specified time stipulated in the contract or within such extended time as may have been allowed, the Contractor shall be liable and shall pay to the City the amount shown in the following schedule of deductions, not as a penalty but as liquidated damages, for each hour of overrun in the contract time or such extended time as may have been allowed. The liquidated damages for failure to complete the contract on time are approximate, due to the impracticality of calculating and proving actual delay costs. This schedule of deductions establishes the cost of delay to account for administration, engineering, inspection, and supervision during periods of extended and delayed performance. The costs of delay represented by this schedule are understood to be a fair and reasonable estimate of the costs that will be borne by the City during extended and delayed performance by the Contractor of the work. The liquidated damage amount specified will accrue and be assessed not until final completion of the total physical work of the contract even though the work may be substantially complete. The City will deduct these liquidated damages from any monies due or to become due to the Contractor from the City.

Deduction for Each Day of Overrun in Contract Time: \$250.00 per day.

8. **Compliance with Laws and Regulations:** In connection with the performance of the work, the Contractor shall comply with all statutes, laws, regulations, and orders of federal, state, county, or municipal authorities which shall impose any obligation or duty upon the Contractor.
9. **Contract Term:** The contract will begin upon a full executed Agreement and approval of the City Council and expire no later than sixty (60) days following the completion of the installation. Installation shall be completed no later than July 1, 2018.
10. **Driver's License:** Before commencing work, the Contractor shall provide a copy of valid driver's license for each employee operating equipment in the City. Drivers shall possess a Commercial Driver's License with appropriate endorsements if operating equipment that requires such a license.
11. **Change Orders:** After a contract is awarded pursuant to the competitive bid procedures specified herein, additional purchases or modifications may be made under the contract, or the terms of the contract may be extended, without rebidding the materials, supplies, services or equipment involved, provided that the change order:

- a. Is approved by the City Council when the change order is an increase or decrease of more than \$10,000 or the time of completion by more than 30 days.
- b. Is approved by the by the City Administrator, or his/her designee for change orders that are not greater than ten thousand dollars (\$10,000.00).

12. **Construction Contracts:**

- a. The Bidder must comply with all applicable laws prerequisite to doing business in the state.
- b. The Bidder must have a valid Federal Employer Tax Identification Number or Tax Identification Number (for individuals).
- c. The Bidder must provide a Statement of Compliance with provisions of the State and Federal Equal Opportunity Employer requirements.

13. **Termination:** The City shall have the right at any time and for any reason (without any penalty) to terminate, in whole or in part, this Contract, provided that the City shall provide Contractor at least ten (10) days' prior written notice of such termination whereupon this Agreement shall automatically terminate immediately after the 11th day.

- a. When this contract, or any portion hereof, is terminated or cancelled by the City, and the Contractor released before all items of work included in this contract have been completed, payment may be made be prorated as a percentage of completion of the actual work at contract unit prices, and no claims for loss of anticipated profits or other damages will be made and are hereby waived.
- b. Termination of a contract, as stated above, will not relieve the Contractor or his/her surety of the responsibility of replacing defective work or materials.

14. **Additional Items:** The City and Contractor further agree that

a. **Prevailing Wage**

Some or all of the work herein may be subject to the provisions of Prevailing Wage Act, 820 ILCS 130/0.01 et.seq., providing for the payment of prevailing rate wages to all laborers, workmen and mechanics engaged on work. The Contractor agrees that, prior to making any payments to its own laborers, workers, or mechanics or to any subcontractor it will determine whether it must legally pay wages in accordance with the Prevailing Wage Act, and if so legally required, pay the then-current prevailing rate of wage as determined by the Illinois Department of Labor and posted at: <http://www.state.il.us/agency/idol/>.

The City may at any time inquire of the Contractor as to rates of wages being paid employees of the Contractor, and any subcontractor or material men, whereupon such information shall be promptly provided by the Contractor. The Contractor shall indemnify the City for any and all violations of the prevailing wage laws and any rules and regulations now and hereafter issued pursuant to said laws.

The Contractor shall insert into each subcontract and into the project specifications for each subcontract a written stipulation requiring all laborers, workers and mechanics performing work under the contract to comply with the Prevailing Wage Act and to require each subcontractor to insert into each lower-tiered contract and into the project specification for each lower tiered subcontract a similar stipulation.

- b. **Sexual Harassment:** During the entire term of the contract, Contractor shall have in full force and effect a written Sexual Harassment Policy, which complies with the Illinois Human Rights Act (775- ILCS 5/1-101 et.seq.) including at least the following: 1) a statement on the illegality of sexual harassment; 2) the definition of sexual harassment under Illinois Law; 3) a description of sexual harassment, utilizing examples; 4) an internal complaint process, including penalties; 5) the legal recourse, investigative and complaint process available through the Illinois Department of Human Rights (“Department”) and the Illinois Human Rights Commission (“Commission”); 6) directions on how to contact the Department and the Commission; and 7) protection against retaliation as provided by Section 6-101 of the Act.
- c. **Drug Free Workplace:** In compliance with Illinois law, The Contractor certifies and agrees that it will provide a drug free workplace by:
- 1) Publishing a Statement;
 - 2) Notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance, including cannabis, is prohibited in the Contractor’s workplace.
 - 3) Specifying the actions that will be taken against employees for violations of such prohibition.
 - 4) Notifying the employee that, as a condition of employment on such Contract, the employee will:
 - 5) Abide by the terms of the statement; and
 - 6) Notify the employer of any criminal drug statute conviction for a violation occurring in the workplace no later than five (5) days after such conviction.
 - 7) Establishing a drug free awareness program to inform employees about:
 - 8) The dangers of drug abuse in the workplace;
 - 9) The Contractor’s policy for maintaining a drug free workplace;
 - 10) Available counseling, rehabilitation, or assistance programs; and
 - 11) Penalties imposed for drug violations.
 - 12) Providing a copy of the Statement required by subsection (a) to each employee engaged in the performance of the Contract and to post the Statement in a prominent place in the workplace.
 - 13) Notifying the contracting agency within ten (10) days after receiving notice of any violations as listed above.
 - 14) Imposing a sanction on, or requiring the satisfactory participation in a drug abuse assistance or rehabilitation program, by any employee who is so convicted, as required by Section 5 of the Drug Free Workplace Act.
 - 15) Assisting employees in selecting a course of action in the event drug counseling, treatment, and rehabilitation are required and indicating that a trained referral team is in place.
 - 16) Making a good faith effort to continue to maintain a drug free workplace through implementation of the Drug Free Workplace Act.
 - 17) The Contractor will be required to sign a Drug Free Workplace Certification.
- d. **Substance Abuse Prevention on Public Works Projects:** Before a contractor or subcontractor commences work on a public works project as defined in 820 ILCS 130/2, the contractor or subcontractor shall have in place a written program which meets or exceeds the program requirements in the Substance Abuse Prevention on Public Works Projects Act, to be filed with the public body engaged in the construction of the public works and made available to the general

public, for the prevention of substance abuse among its employees. The testing must be performed by a laboratory that is certified for Federal Workplace Drug Testing Programs by the Substance Abuse and Mental Health Service Administration of the U.S. Department of Health and Human Services. At a minimum, the program shall include all of the following:

- 1) A minimum requirement of a 9 panel urine drug test plus a test for alcohol. Testing an employee's blood may only be used for post-accident testing, however, blood testing is not mandatory for the employer where a urine test is sufficient.
- 2) A prohibition against the actions or conditions specified in 820 ILCS 265/10.
- 3) A requirement that employees performing the work on a public works project submit to pre-hire, random, reasonable suspicion, and post-accident drug and alcohol testing. Testing of an employee before commencing work on a public works project is not required if the employee has been participating in a random testing program during the 90 days preceding the date on which the employee commenced work on the public works project.
- 4) A procedure for notifying an employee who violates 820 ILCS 265/10, who tests positive for the presence of a drug in his or her system, or who refuses to submit to drug or alcohol testing as required under the program that the employee may not perform work on a public works project until the employee meets the conditions specified in subdivisions (2)(A) and (2)(B) of 820 ILCS 265/20.

- e. **Non-Collusion:** The Contractor represents that it is not barred from bidding for this contract as a result of a violation of 720 ILCS 5/33E concerning bid rigging, rotating, kickbacks, bribery and interference with public contracts. The Contractor will be required to sign the Non-Collusion Certification.
- f. **Compliance with Laws and Regulations:** In connection with the performance of the work, the Contractor shall comply with all statutes, laws, regulations, and orders of federal, state, county, or municipal authorities which shall impose any obligation or duty upon the Contractor.

REFERENCES

UNITED CITY OF YORKVILLE

General Information, list below current business references for whom you have performed work similar to that required by this proposal.

Business: _____

Address: _____

City, State, Zip Code: _____

Telephone Number: _____

Contact Person: _____

Dates of Service: _____

Business: _____

Address: _____

City, State, Zip Code: _____

Telephone Number: _____

Contact Person: _____

Dates of Service: _____

Business: _____

Address: _____

City, State, Zip Code: _____

Telephone Number: _____

Contact Person: _____

Dates of Service: _____

If additional sheets are needed, please make copies.

SUBCONTRACTORS

UNITED CITY OF YORKVILLE

Provide the name, contact information, and value of work for each and every subcontractor which will be employed on this project.

Subcontractor No. 1: _____

Address: _____

City, State, Zip Code: _____

Telephone Number: _____

Value of Work Subcontracted: _____

Nature of Work Subcontracted: _____

Subcontractor No. 2: _____

Address: _____

City, State, Zip Code: _____

Telephone Number: _____

Value of Work Subcontracted: _____

Nature of Work Subcontracted: _____

Subcontractor No. 3: _____

Address: _____

City, State, Zip Code: _____

Telephone Number: _____

Value of Work Subcontracted: _____

Nature of Work Subcontracted: _____

If additional sheets are needed, please make copies.

Bid Proposal Sheet

The prices stated in this proposal are guaranteed for 90 days from the date of hereof and if awarded within that period, we agree to complete the work covered by this Proposal at said prices. Bidders must fill in “Bid Unit Price” and “Extended Amount” for each bid item. Extend all prices to two decimals.

Quantity	Item Description	Manufacturer	Total Amount

Concrete Work with restoration	Total Amount Bid	\$
---------------------------------------	-------------------------	-----------

6' Cedar Fence to conceal units	Total Amount Bid	\$
--	-------------------------	-----------

Annual Preventative Maintenance Contract	Total Amount Bid	\$
---	-------------------------	-----------

Bid Proposal Sheet

The undersigned understands that there may be changes, omissions, or modification in the work, and that appropriate adjustments will be made to the Contract price in accordance with the Contract Documents. The undersigned understands that the City reserves the right to accept or reject any or all bids, and to waive all formalities, any irregularities, and accept the Bid deemed to be in the Owner's best interest.

I hereby certify that the item(s) proposed is/are in accordance with the specifications as noted and that the prices quoted are not subject to change; and that the Person submitting the proposal is not barred by law from submitting a proposal to the City for the project contemplated herein because of a conviction for prior violations of either Illinois Compiled Statutes, 720 ILCS 5/33E-3 (Proposal Rigging) or b720 ILCS 5/33-4 (Proposal Rotating); and that

The Person submitting the proposal is not delinquent in payment of any taxes to the Illinois Department of Revenue in accordance with 65 ILCS 5/11-42.1; and that

The Person submitting the proposal provides a drug free workplace pursuant to 30 ILCS 580/1, *et seq.*, and that

The Person submitting the proposal certifies they have a substance-abuse program and provide drug testing in accordance with 820 ILCS 130/11G, Public Act 095-0635; and that

The Person submitting the proposal is in compliance with the Illinois Human Rights Act 775 ILCS 5/1.101 *et seq.* including establishment and maintenance of sexual harassment policies and program.

Firm Name

Signed Name and Title

Street Address

Print Name and Title

City

State

Zip

E-mail Address

Phone Number

Fax Number

Date

**UNITED CITY OF YORKVILLE
800 Game Farm Road
YORKVILLE, ILLINOIS 60560**

CONTRACT

THIS CONTRACT made this _____ day of _____, 2018, by and between the United City of Yorkville, an Illinois municipal corporation hereinafter called the “*Owner*” and _____ located at _____ hereinafter called the “*Contractor*”.

WITNESSETH:

WHEREAS, the Owner has heretofore solicited Proposals for all labor and materials necessary to complete the work specified in this bid package;

WHEREAS, the Owner has found that the Contractor is the lowest responsible person submitting the proposal for said work and has awarded the Contractor this contract for said work.

NOW, THEREFORE, for and in consideration of their mutual promises and agreements, the parties hereto do hereby agree as follows:

1. The Contractor agrees to furnish all materials, supplies, tools, equipment, labor and other services necessary to commence and complete the removal of existing HVAC system and install a new HVAC system at the Beecher Center in accordance with the conditions and prices stated in the Request for Proposal, Instructions to Persons submitting proposals – General Conditions, Special Conditions, Insurance Requirements, Specifications and Plans, Proposal, and Detail Exception Sheet all of which are made a part hereof and herein called the “*Contract Documents*”.
2. The Owner will pay the Contractor in the amounts, manner and at times as set forth in the Contract Documents.

IN WITNESS WHEREOF, the parties hereto have executed, or caused to be executed by their duly authorized officials, this Contract as of the day and year first above written:

UNITED CITY OF YORKVILLE

By: _____

CONTRACTOR:

By: _____

Signature

Print Name and Title

DETAIL EXCEPTION SHEET

Any exception must be clearly noted on this sheet. Failure to do so may be reason for rejection of the bid. It is not our intention to prohibit any potential bidder from bidding by virtue of the specifications, but to describe the material(s) and service(s) actually required. The village reserves the right to accept or reject any or all exceptions.

Bidder's exceptions are:

Exhibit A

UNITED CITY OF YORKVILLE, ILLINOIS INSURANCE REQUIREMENTS

Contractor shall procure and maintain, for the duration of the contract, insurance against claims for injuries to persons or damages to property, which may arise from or in connection with the performance of the work hereunder by the Contractor, his agents, representatives, employees, or subcontractors.

1. MINIMUM SCOPE OF INSURANCE Coverage shall be at least as broad as:

- A. Insurance Services Office Commercial General Liability Occurrence Form CG 0001 with the City named as additional insured; on a form at least as broad as the endorsement in paragraph 10 including ISO Additional Insured Endorsement CG 2026, CG 2010.
- B. Owners and Contractors Protective Liability (OCP) policy is required with the City as insured (for contracts with subcontractors and projects that are inherently dangerous).
- C. Insurance Service Office Business Auto Liability Coverage Form Number CA 0001, Symbol 01 "Any Auto."
- D. Workers' Compensation as required by the Worker's Compensation Act of the State of Illinois and Employers' Liability insurance.
- E. Builder Risk Property Coverage with City as loss payee.

2. MINIMUM LIMITS OF INSURANCE Contractor shall maintain limits no less than if required under above scope:

- A. Commercial General Liability: \$1,000,000 combined single limit per occurrence for bodily injury, personal injury, and property damage. The general aggregate shall be twice the required occurrence limit. Minimum General Aggregate shall be no less than \$2,000,000 or a project/contract specific aggregate of \$1,000,000.
- B. Owners and Contractors Protective Liability (OCP): \$1,000,000 combined single limit per occurrence for bodily injury and property damage.
- C. Businesses Automobile Liability: \$1,000,000 combined single limit per accident for bodily injury and property damage.
- D. Workers' Compensation and Employers' Liability: Workers' Compensation coverage with statutory limits and Employers' Liability limits of \$1,000,000 per accident.
- E. Builder's Risk shall insure against "All Risk" of physical damage, including water damage (flood and hydrostatic pressure not excluded), on a completed value, replacement cost basis. (Protection against loss of materials during construction, renovation, or repair of a structure.)
- F. Umbrella Excess Insurance: \$3,000,000. "Following form" of the underlying and excess policies including listing the City as an additional insured.

3. DEDUCTIBLES AND SELF-INSURED RETENTIONS

Any deductibles or self-insured retentions must be declared to and approved by the City. At the option of the City, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the City, its officials, agents, employees, and volunteers; or the Contractor shall procure a bond guaranteeing payment of losses and related investigation, claim administration, and defense expenses.

4. OTHER INSURANCE PROVISIONS

The policies are to contain, or be endorsed to contain, the following provisions:

A. General Liability and Automobile Liability Coverages

- 1. The City, its officials, agents, employees, and volunteers are to be covered as additional insureds as respects: liability arising out of the Contractor's work, including activities performed by or on behalf of the Contractor; products and completed operations of the Contractor; premises owned, leased, or used by the Contractor; or automobiles owned, leased, hired, or borrowed by the Contractor. The coverage shall contain no special limitations on the scope of protection afforded to the City, its officials, agents, employees, and volunteers.
- 2. The Contractor's insurance coverage shall be primary as respects the City, its officials, agents, employees, and volunteers. Any insurance or self-insurance maintained by the City, its officials, agents, employees, and volunteers shall be excess of Contractor's insurance and shall not contribute with it.

Exhibit A

3. Any failure to comply with reporting provisions of the policies shall not affect coverage provided to the City, its officials, agents, employees, and volunteers.
4. The Contractor's insurance shall contain a Severability of Interests/Cross Liability clause or language stating that Contractor's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.
5. If any commercial general liability insurance is being provided under an excess or umbrella liability policy that does not "follow form," then the Contractor shall be required to name the City, its officials, agents, employees, and volunteers as additional insureds.
6. All general liability coverages shall be provided on an occurrence policy form. Claims-made general liability policies will not be accepted.

B. All Coverages

Each insurance policy shall be endorsed to state that coverage shall not be suspended, voided, cancelled, reduced in coverage, or in limits except after thirty (30) days prior written notice by certified mail, return receipt requested, has been given to the City.

5. ACCEPTABILITY OF INSURERS

Insurance is to be placed with insurers with a Best's rating of no less than A-, VII, and licensed to do business in the State of Illinois.

6. VERIFICATION OF COVERAGE

Contractor shall furnish the City with certificates of insurance naming the City, its officials, agents, employees, and volunteers as additional insureds, and with original endorsements affecting coverage required by this clause. The certificates and endorsements for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. The certificates and endorsements are to be received and approved by the City before any work commences. Other additional insured endorsements may be utilized, if they provide a scope of coverage at least as broad as the coverage stated in paragraph 10, such as ISO Additional Insured Endorsements CG 2026 or CG 2010. The City reserves the right to request full certified copies of the insurance policies and endorsements.

7. SUBCONTRACTORS

Contractor shall include all subcontractors as insureds under its policies or shall furnish separate certificates and endorsements for each subcontractor. All coverages for subcontractors shall be subject to all of the requirements stated herein.

8. ASSUMPTION OF LIABILITY

The contractor assumes liability for all injury to or death of any person or persons including employees of the contractor, any subcontractor, any supplier, or any other person and assumes liability for all damage to property sustained by any person or persons occasioned by or in any way arising out of any work performed pursuant to this agreement.

9. INDEMNITY/HOLD HARMLESS PROVISION

To the fullest extent permitted by law, the Contractor hereby agrees to defend, indemnify, and hold harmless the City, its officials, agents, and employees, against all injuries, deaths, loss, damages, claims, patent claims, suits, liabilities, judgments, cost, and expenses, which may in anywise accrue against the City, its officials, agents, and employees, arising in whole or in part or in consequence of the performance of this work by the Contractor, its employees, or subcontractors, or which may anyway result therefore, except that arising out of the sole legal cause of the City, its agents, or employees, the Contractor shall, at its own expense, appear, defend, and pay all charges of attorneys and all costs and other expenses arising therefore or incurred in connections therewith, and, if any judgment shall be rendered against the City, its officials, agents, and employees, in any such action, the Contractor shall, at its own expense, satisfy and discharge the same.

Contractor expressly understands and agrees that any performance bond or insurance policies required by this contract, or otherwise provided by the Contractor, shall in no way limit the responsibility to indemnify, keep, and save harmless and defend the City, its officials, agents, and employees as herein provided.

10. ADDITIONAL INSURED ENDORSEMENT

The "WHO IS AN INSURED" section of the policy/coverage document shall be amended to include as an insured, the City, but only with respect to liability arising out of your work. For purpose of this endorsement, "arising out of your work" shall mean: (1) Liability the Additional Insured may incur resulting from the actions of a contractor it hires, (2) Liability the Additional Insured may incur for negligence in the supervision of the Named Insured Contractors work, (3) Liability the Additional Insured may incur for failure to maintain safe worksite conditions, and (4) Liability the Additional Insured may incur due to joint negligence of the Named Insured Contractor and the Additional Insured.

United City of Yorkville
ADDENDUM TO RFP DOCUMENTS

REQUEST FOR PROPOSAL: HVAC System Replacement at Beecher Center

ADDENDUM No. 1

DATE: 5/9/18

To All Potential Bidders:

This addendum is issued to modify the previously issued bid documents and/or given for informational purposes, and is hereby made a part of the bid documents. Please attach a signed/dated copy of this addendum to the documents in your possession.

Changes and Clarifications to Original Scope of Work

- 1. (Item # 10 on Original SOW) Contractor will be responsible to make the needed wall penetrations to the attic space, to allow access for the new ductwork. All penetrations should be kept to the minimal space needed. The United City of Yorkville will the final modifications to the attic space doors, once the project has been completed.**
- 2. (Item # 11on Original SOW) All ductwork (exterior and in the attic space) must be lined insulated stainless steel, and the exterior ductwork must be wrapped to provide a water tight seal.**
- 3. The approximate square footage of the entire building 9,423.**

Signature

Date

United City of Yorkville
ADDENDUM TO RFP DOCUMENTS

REQUEST FOR PROPOSAL: HVAC System Replacement at Beecher Center

ADDENDUM No. 2

DATE: 5/11/18

To All Potential Bidders:

This addendum is issued to modify the previously issued bid documents and/or given for informational purposes, and is hereby made a part of the bid documents. Please attach a signed/dated copy of this addendum to the documents in your possession.

Additional Information to Original Scope of Work

- 1. Beecher Community Center Original HVAC Plan and Equipment Schedules M-1**

Signature

Date

United City of Yorkville
ADDENDUM TO RFP DOCUMENTS

REQUEST FOR PROPOSAL: HVAC System Replacement at Beecher Center

ADDENDUM No. 3

DATE: 5/14/18

To All Potential Bidders:

This addendum is issued to modify the previously issued bid documents and/or given for informational purposes, and is hereby made a part of the bid documents. Please attach a signed/dated copy of this addendum to the documents in your possession.

Extension of Bid Due Date and Bid Opening

- 1. The United City of Yorkville will be extending the bid due date and the public bid opening until Thursday May 24, 2018 at 10:00am at Yorkville City Hall. This decision will ensure all bidders have enough time to review Addendum's 1, 2 & 3, to provide accurate quotes for this project.**

Signature

Date



1980 W. U.S. Hwy 30, Suite 11
SUGAR GROVE IL 60554

Phone 630-466-3662
Fax 630-466-3664

Project: Yorkville Beecher Center HVAC System Replacement

5/24/18

Proposal:

- Demo and remove from premises existing attic mounted HVAC units, including reclaim and disposal of refrigerant per EPA guidelines.
- Supply and install Trane packaged heat/cool units, including hail guards, economizers with power exhaust, units to sit on manufactured supplied equipment curbs. **Trico Mechanical Inc. is including dehumidification on each unit along with CO2** controls to insure indoor air quality and comfort. ** Units figured to be 20 tons of cooling- sizing may change once engineered loads are figured, but basis of design will be the same.
- Provide engineering for equipment sizing and design along with a set of stamped drawings.
- Supply and install ventilated hoods to cover openings in roof where existing condenser air was ducted thru.
- Supply G90 galvanized duct in attic space, to have 1 ½” internal duct liner, exterior duct to be stainless steel with external duct insulation per addendum.
- Provide 6” thick concrete pad, including excavation and removal of spoils from site, pad size will be determined by required equipment clearances.
- Provide and install 6’ tall cedar fence with locking gate.
- Provide and install Honeywell control system with WI FI access to match system installed in City Hall.
- Extend gas and electric from attic space to location of new units, includes all wiring, and breaker changes if needed.
- Provide backfill, and final grading along with seeding for restoration around new pad.
- Provide test and balance of new equipment.
- 5 year Manufactures warranty on equipment.
- 1 Year Labor warranty on equipment and install.
- Provide owner training.
- **Addendum 1,2, & 3 Acknowledged**
-

Total cost \$298,500.00

Option 1 Deduct: if all duct is Galvanized construction \$7,500.00

Option 2 Deduct: if all duct is constructed of Kingspan Kool Duct in lieu of metal duct and duct liner/wrap \$25,000.00

Annual Preventative Maintenance \$2,600.00 – Includes new belts 1 a year, new filters twice a year, along with seasonal check and cleaning of heat exchanger, burners and controls in fall and cleaning of condenser coils and check of refrigeration circuit in spring.

Visit us on the web at www.tricomechanicalinc.com

United City of Yorkville
ADDENDUM TO RFP DOCUMENTS

REQUEST FOR PROPOSAL: HVAC System Replacement at Beecher Center

ADDENDUM No. 1

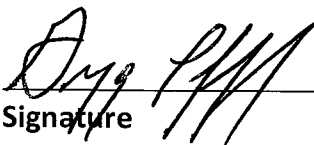
DATE: 5/9/18

To All Potential Bidders:

This addendum is issued to modify the previously issued bid documents and/or given for informational purposes, and is hereby made a part of the bid documents. Please attach a signed/dated copy of this addendum to the documents in your possession.

Changes and Clarifications to Original Scope of Work

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2. (Item # 11on Original SOW) All ductwork (exterior and in the attic space) must be lined insulated stainless steel, and the exterior ductwork must be wrapped to provide a water tight seal.
3. The approximate square footage of the entire building 9,423.


Signature

5-24-18
Date

United City of Yorkville
ADDENDUM TO RFP DOCUMENTS

REQUEST FOR PROPOSAL: HVAC System Replacement at Beecher Center

ADDENDUM No. 2

DATE: 5/11/18

To All Potential Bidders:

This addendum is issued to modify the previously issued bid documents and/or given for informational purposes, and is hereby made a part of the bid documents. Please attach a signed/dated copy of this addendum to the documents in your possession.

Additional Information to Original Scope of Work

1. Beecher Community Center Original HVAC Plan and Equipment Schedules M-1



Signature

5-24-18
Date

United City of Yorkville
ADDENDUM TO RFP DOCUMENTS

REQUEST FOR PROPOSAL: HVAC System Replacement at Beecher Center

ADDENDUM No. 3

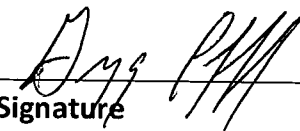
DATE: 5/14/18

To All Potential Bidders:

This addendum is issued to modify the previously issued bid documents and/or given for informational purposes, and is hereby made a part of the bid documents. Please attach a signed/dated copy of this addendum to the documents in your possession.

Extension of Bid Due Date and Bid Opening

1. The United City of Yorkville will be extending the bid due date and the public bid opening until Thursday May 24, 2018 at 10:00am at Yorkville City Hall. This decision will ensure all bidders have enough time to review Addendum's 1, 2 & 3, to provide accurate quotes for this project.



Signature

5-24-18
Date

REFERENCES

UNITED CITY OF YORKVILLE

General Information, list below current business references for whom you have performed work similar to that required by this proposal.

Business: Milord Construction
Address: 9801 S. Industrial Drive
City, State, Zip Code: Bridgeview, IL 60455
Telephone Number: 708-598-7900
Contact Person: Phil Milord
Dates of Service: 2003 to Present

Business: G.A. Johnson + Son
Address: 828 Foster Street
City, State, Zip Code: Everston, IL 60201
Telephone Number: 847-869-5905
Contact Person: Jack Galbraith
Dates of Service: 2002 to Present

Business: Honeywell Building Solutions
Address: 95 East Algonquin Road Bldg D
City, State, Zip Code: Des Plaines, IL 60017
Telephone Number: 224-803-1470
Contact Person: Joe Zakrocky
Dates of Service: 2011 to Present

If additional sheets are needed, please make copies.

SUBCONTRACTORS

UNITED CITY OF YORKVILLE

Provide the name, contact information, and value of work for each and every subcontractor which will be employed on this project.

Subcontractor No. 1: Mid-Valley Concrete
Address: 950 East 3RD
City, State, Zip Code: Sandwich, IL 60548
Telephone Number: (815)-786-3324
Value of Work Subcontracted: \$9,446.00
Nature of Work Subcontracted: Concrete Equipment R/D

Subcontractor No. 2: Austin Electric Inc
Address: 131 Airport Rd. Unit A
City, State, Zip Code: Joliet, IL 60431
Telephone Number: 815-744-1147
Value of Work Subcontracted: \$14,780^{NO}₇₀₀
Nature of Work Subcontracted: Electrical

Subcontractor No. 3: Complete Northern Illinois Fence
Address: 320 W Lincoln Highway
City, State, Zip Code: Cortland, IL 60112
Telephone Number: 815-756-3561
Value of Work Subcontracted: _____
Nature of Work Subcontracted: Fence install

If additional sheets are needed, please make copies.

Bid Proposal Sheet

The prices stated in this proposal are guaranteed for 90 days from the date of hereof and if awarded within that period, we agree to complete the work covered by this Proposal at said prices. Bidders must fill in "Bid Unit Price" and "Extended Amount" for each bid item. Extend all prices to two decimals.

Quantity	Item Description	Manufacturer	Total Amount
	<i>Total Base Bid</i>		<i>298,500⁰⁰/₁₀₀</i>

Concrete Work with restoration	Total Amount Bid	\$13,500.00
6' Cedar Fence to conceal units	Total Amount Bid	\$5625.00
Annual Preventative Maintenance Contract	Total Amount Bid	\$2600.00

Bid Proposal Sheet

The undersigned understands that there may be changes, omissions, or modification in the work, and that appropriate adjustments will be made to the Contract price in accordance with the Contract Documents. The undersigned understands that the City reserves the right to accept or reject any or all bids, and to waive all formalities, any irregularities, and accept the Bid deemed to be in the Owner's best interest.

I hereby certify that the item(s) proposed is/are in accordance with the specifications as noted and that the prices quoted are not subject to change; and that the Person submitting the proposal is not barred by law from submitting a proposal to the City for the project contemplated herein because of a conviction for prior violations of either Illinois Compiled Statutes, 720 ILCS 5/33E-3 (Proposal Rigging) or b720 ILCS 5/33-4 (Proposal Rotating); and that

The Person submitting the proposal is not delinquent in payment of any taxes to the Illinois Department of Revenue in accordance with 65 ILCS 5/11-42.1; and that

The Person submitting the proposal provides a drug free workplace pursuant to 30 ILCS 580/1, *et seq.*, and that

The Person submitting the proposal certifies they have a substance-abuse program and provide drug testing in accordance with 820 ILCS 130/11G, Public Act 095-0635; and that

The Person submitting the proposal is in compliance with the Illinois Human Rights Act 775 ILCS 5/1.101 *et seq.* including establishment and maintenance of sexual harassment policies and program.

Trico Mechanical Inc.

Firm Name

1980 W US Hwy 30, Suite 11

Street Address

Sugar Grove IL 60554

City

State

Zip

630-466-3662

Phone Number

5-24-18

Date

Gregg Platt - Project Manager

Signed Name and Title

Gregg Platt - Project Manager

Print Name and Title

Gregg@trico mechanical inc. com

E-mail Address

630-466-3664

Fax Number

**UNITED CITY OF YORKVILLE
800 Game Farm Road
YORKVILLE, ILLINOIS 60560**

CONTRACT

THIS CONTRACT made this _____ day of _____, 2018, by and between the United City of Yorkville, an Illinois municipal corporation hereinafter called the “*Owner*” and _____ located at _____ hereinafter called the “*Contractor*”.

WITNESSETH:

WHEREAS, the Owner has heretofore solicited Proposals for all labor and materials necessary to complete the work specified in this bid package;

WHEREAS, the Owner has found that the Contractor is the lowest responsible person submitting the proposal for said work and has awarded the Contractor this contract for said work.

NOW, THEREFORE, for and in consideration of their mutual promises and agreements, the parties hereto do hereby agree as follows:

1. The Contractor agrees to furnish all materials, supplies, tools, equipment, labor and other services necessary to commence and complete the removal of existing HVAC system and install a new HVAC system at the Beecher Center in accordance with the conditions and prices stated in the Request for Proposal, Instructions to Persons submitting proposals – General Conditions, Special Conditions, Insurance Requirements, Specifications and Plans, Proposal, and Detail Exception Sheet all of which are made a part hereof and herein called the “*Contract Documents*”.
2. The Owner will pay the Contractor in the amounts, manner and at times as set forth in the Contract Documents.

IN WITNESS WHEREOF, the parties hereto have executed, or caused to be executed by their duly authorized officials, this Contract as of the day and year first above written:

UNITED CITY OF YORKVILLE

By: _____

CONTRACTOR: *Trico Mechanical, Inc.*

By: _____

[Handwritten Signature]
Signature
Ronald Rudolick President
Print Name and Title

DETAIL EXCEPTION SHEET

Any exception must be clearly noted on this sheet. Failure to do so may be reason for rejection of the bid. It is not our intention to prohibit any potential bidder from bidding by virtue of the specifications, but to describe the material(s) and service(s) actually required. The village reserves the right to accept or reject any or all exceptions.

Bidder's exceptions are:



Document A310™ – 2010

Conforms with The American Institute of Architects AIA Document 310

Bid Bond

CONTRACTOR:

(Name, legal status and address)

Trico Mechanical, Inc.
1980 W. US Hwy 30
Suite 11
Sugar Grove, IL 60554

SURETY:

(Name, legal status and principal place of business)

The Ohio Casualty Insurance Company
62 Maple Avenue
Keene, New Hampshire 03431

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

OWNER:

(Name, legal status and address)

City of Yorkville
800 Game Farm Road
Yorkville, IL 60560

Mailing Address for Notices

Liberty Mutual Surety Claims
P.O. Box 34526
Seattle, WA 98124

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

BOND AMOUNT: 10% of the total amount bid-----

PROJECT:

(Name, location or address, and Project number, if any)

Provide and Install Design/Build HVAC Systems

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

Signed and sealed this 24th day of May, 2018

(Witness)

Trico Mechanical, Inc.

(Principal) *(Seal)*

President

(Title)

(Witness)

The Ohio Casualty Insurance Company

(Surety)

(Title) Annette Albach Attorney-in-Fact

POWER OF ATTORNEY
The Ohio Casualty Insurance Company

Bond Number: _____

Principal: Trico Mechanical, Inc.

Agency Name: Bonding Services Corporation

Obligee: _____

Agent Code: 125551

Know All Men by These Presents: That The Ohio Casualty Insurance Company, pursuant to the authority granted by Article IV, Section 12 of the Code of Regulations and By-Laws of The Ohio Casualty Insurance Company, do hereby nominate, constitute and appoint Annette Albach, Stephanie Shetler of Schaumburg, Illinois its true and lawful agent(s) and attorney(ies)-in-fact, to make, execute, seal and deliver for and on its behalf as surety, and as its act and deed any and all BONDS, UNDERTAKINGS, and RECOGNIZANCES, excluding, however, any bond(s) or undertaking(s) guaranteeing the payment of notes and interest thereon.

And the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Company, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of said Company at their administrative offices in Keene, New Hampshire, in their own proper persons. The authority granted hereunder supersedes any previous authority heretofore granted the above named attorney(ies)-in-fact

In WITNESS WHEREOF, the undersigned officer of the said The Ohio Casualty Insurance Company has hereunto subscribed his name and affixed the Corporate Seal of said Company this 26th day of September, 2016.



David M. Carey

David M. Carey, Assistant Secretary

STATE OF PENNSYLVANIA
COUNTY OF MONTGOMERY

On this 26th day of September, 2016 before the subscriber, a Notary Public of the State of Pennsylvania, in and for the County of Montgomery, duly commissioned and qualified, came David M. Carey, Assistant Secretary of The Ohio Casualty Insurance Company, to me personally known to be the individual and officer described in, and who executed the preceding instrument, and he acknowledged the execution of the same, and being by me duly sworn deposes and says that he is the officer of the Company aforesaid, and that the seal affixed to the preceding instrument is the Corporate Seal of said Company, and the said Corporate Seal and his signature as officer were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporation.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal at the City of King of Prussia, State of Pennsylvania, the day and year first above written.



COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Teresa Pastella, Notary Public
Upper Merion Twp., Montgomery County
My Commission Expires March 28, 2021
Member, Pennsylvania Association of Notaries

Teresa Pastella

Notary Public in and for County of Montgomery, State of Pennsylvania
My Commission expires March 28, 2021

This power of attorney is granted under and by authority of Article IV, Section 12 of the By-Laws of The Ohio Casualty Insurance Company, extracts from which read:

ARTICLE IV - Officers: Section 12. Power of Attorney.

Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bond, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary

Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

This certificate and the above power of attorney may be signed by facsimile or mechanically reproduced signatures under and by authority of the following vote of the board of directors of The Ohio Casualty Insurance Company effective on the 15th day of February, 2011:

VOTED that the facsimile or mechanically reproduced signature of any assistant secretary of the company, wherever appearing upon a certified copy of any power of attorney issued by the company in connection with surety bonds, shall be valid and binding upon the company with the same force and effect as though manually affixed.

CERTIFICATE

I, the undersigned Assistant Secretary of The Ohio Casualty Insurance Company, do hereby certify that the foregoing power of attorney, the referenced By-Laws of the Company and the above resolution of their Board of Directors are true and correct copies and are in full force and effect on this date.

IN WITNESS WHEREOF, I have hereunto set my hand and the seal of the Company this 24th day of May, 2018



Rence C. Llewellyn

Rence C. Llewellyn, Assistant Secretary

HVAC System Replacement
for the Beecher Center

UNITED CITY OF YORKVILLE
800 Game Farm Road
YORKVILLE, ILLINOIS 60560

CONTRACT

THIS CONTRACT made this ____ day of _____, 2018, by and between the United City of Yorkville, an Illinois municipal corporation hereinafter called the "Owner" and _____ R.J. O'Neil, Inc. located at _____ hereinafter called the "Contractor".

WITNESSETH:

WHEREAS, the Owner has heretofore solicited Proposals for all labor and materials necessary to complete the work specified in this bid package;

WHEREAS, the Owner has found that the Contractor is the lowest responsible person submitting the proposal for said work and has awarded the Contractor this contract for said work.

NOW, THEREFORE, for and in consideration of their mutual promises and agreements, the parties hereto do hereby agree as follows:

1. The Contractor agrees to furnish all materials, supplies, tools, equipment, labor and other services necessary to commence and complete the removal of existing HVAC system and install a new HVAC system at the Beecher Center in accordance with the conditions and prices stated in the Request for Proposal, Instructions to Persons submitting proposals – General Conditions, Special Conditions, Insurance Requirements, Specifications and Plans, Proposal, and Detail Exception Sheet all of which are made a part hereof and herein called the "Contract Documents".
2. The Owner will pay the Contractor in the amounts, manner and at times as set forth in the Contract Documents.

IN WITNESS WHEREOF, the parties hereto have executed, or caused to be executed by their duly authorized officials, this Contract as of the day and year first above written:

UNITED CITY OF YORKVILLE

By: _____

CONTRACTOR:

By:  _____

Signature

Kealan O'Neil - President

Print Name and Title

Bid Proposal Sheet

The prices stated in this proposal are guaranteed for 90 days from the date of hereof and if awarded within that period, we agree to complete the work covered by this Proposal at said prices. Bidders must fill in "Bid Unit Price" and "Extended Amount" for each bid item. Extend all prices to two decimals.

Quantity	Item Description	Manufacturer	Total Amount
2	Packaged Heat/Cool RTU's w/ Hail Guards	Carrier	\$32,000.00
2	Programmable Thermostats	Honeywell	\$425.00
1	Rain Hoods	Custom Manufactured	\$2,500.00

Concrete Work with restoration	Total Amount Bid	\$ 7,500.00
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6' Cedar Fence to conceal units	Total Amount Bid	\$ 6,500.00
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Annual Preventative Maintenance Contract	Total Amount Bid	\$ 1,096.00
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Total Base Bid: \$158,000.00

*Alternates provided on separate sheet

DETAIL EXCEPTION SHEET

Any exception must be clearly noted on this sheet. Failure to do so may be reason for rejection of the bid. It is not our intention to prohibit any potential bidder from bidding by virtue of the specifications, but to describe the material(s) and service(s) actually required. The village reserves the right to accept or reject any or all exceptions.

Bidder's exceptions are:

R.J. O'Neil, Inc. intended to furnish and install equipment, labor, and supervision to complete this project per
description of work and specifications.



Yorkville Beecher Center Alternate bid proposals

5/24/18

ALT #1: Provide Carpentry work to complete the louvers and siding work on exterior of attic access point. **ADD: \$ 2,600.00**

ALT #2: Provide all galvanized ductwork w/ no liner in lieu of stainless steel. Provide exterior 2" insulation and heavy aluminum clad weatherproof jacketing.
DEDUCT: \$ 2,250.00

Bid Proposal Sheet

The undersigned understands that there may be changes, omissions, or modification in the work, and that appropriate adjustments will be made to the Contract price in accordance with the Contract Documents. The undersigned understands that the City reserves the right to accept or reject any or all bids, and to waive all formalities, any irregularities, and accept the Bid deemed to be in the Owner's best interest.

I hereby certify that the item(s) proposed is/are in accordance with the specifications as noted and that the prices quoted are not subject to change; and that the Person submitting the proposal is not barred by law from submitting a proposal to the City for the project contemplated herein because of a conviction for prior violations of either Illinois Compiled Statutes, 720 ILCS 5/33E-3 (Proposal Rigging) or b720 ILCS 5/33-4 (Proposal Rotating); and that

The Person submitting the proposal is not delinquent in payment of any taxes to the Illinois Department of Revenue in accordance with 65 ILCS 5/11-42.1; and that

The Person submitting the proposal provides a drug free workplace pursuant to 30 ILCS 580/1, *et seq.*, and that

The Person submitting the proposal certifies they have a substance-abuse program and provide drug testing in accordance with 820 ILCS 130/11G, Public Act 095-0635; and that

The Person submitting the proposal is in compliance with the Illinois Human Rights Act 775 ILCS 5/1.101 *et seq.* including establishment and maintenance of sexual harassment policies and program.

R.J. O'Neil, Inc.
Firm Name


Signed Name and Title

1125 S. Lake Street
Street Address

Kealan O'Neil - President
Print Name and Title

Montgomery IL 60538
City State Zip

kealan@rjoneil.com
E-mail Address

(630) 906-1300
Phone Number

(630) 906-1369
Fax Number

May 24, 2018
Date

REFERENCES

UNITED CITY OF YORKVILLE

General Information, list below current business references for whom you have performed work similar to that required by this proposal.

GC: Vissering Construction Company
Business: **Project:** Remodeling & Addition for Meadowvale, Inc. _____
 Vissering: 175 Benchmark Industrial Avenue
Address: **Meadowvale:** 1305 6th Street _____
 Vissering: Streator, IL 61364
City, State, Zip Code: **Meadowvale:** Sandwich, IL 60548 _____
Telephone Number: **Vissering:** (815) 673-5511 _____
Contact Person: **Vissering:** Michael Slagel _____
Dates of Service: May 2017 - May 2018

GC: Whittaker Construction & Excavating, Inc.
Business: **Project:** Fox Metro Water Reclamation District - Building G Improvements
 Whittaker: 105 Park Street
Address: **Fox Metro:** 682 State Route 31 _____
 Whittaker: Earlville, IL 60518
City, State, Zip Code: **Fox Metro:** Oswego, IL 60518 _____
Telephone Number: **Whittaker:** 815-246-7119 _____
Contact Person: **Whittaker:** Kevin Bomstad _____
Dates of Service: November 2016 - Current

GC: R.J. O'Neil, Inc.
Business: **Project:** Fox Metro Water Reclamation District - Building K Odor Control Improvements
 GC: 1125 S. Lake Street
Address: **Owner:** 682 State Route 31 _____
 GC: Montgomery, IL 60538
City, State, Zip Code: **Owner:** Oswego, IL 60543 _____
 GC: (630) 906-1300
Telephone Number: **Owner:** (630) 301-6881 _____
 GC: Dave Grey
Contact Person: **Owner:** Matt Woodin _____
Dates of Service: February 2017 - April 2018

If additional sheets are needed, please make copies.

REFERENCES

UNITED CITY OF YORKVILLE

General Information, list below current business references for whom you have performed work similar to that required by this proposal.

Owner: Mark Bank
Business: Project: White Eagle Body Shop - Montgomery
Owner: 575 Weston Ridge Drive
Address: Project: 851 S. Lake Street
Owner: Naperville, IL 60563
City, State, Zip Code: Project: Oswego, IL 60543
Owner: (630) 961-9977
Telephone Number: Project: (630) 264-1661
Contact Person: Mark Bank
Dates of Service: November 2016 - Present

Business: _____

Address: _____

City, State, Zip Code: _____

Telephone Number: _____

Contact Person: _____

Dates of Service: _____

Business: _____

Address: _____

City, State, Zip Code: _____

Telephone Number: _____

Contact Person: _____

Dates of Service: _____

If additional sheets are needed, please make copies.

SUBCONTRACTORS

UNITED CITY OF YORKVILLE

Provide the name, contact information, and value of work for each and every subcontractor which will be employed on this project.

Subcontractor No. 1: Austin Electric

Address: 251 S. Frontage Road #18

City, State, Zip Code: Willowbrook, IL 60527

Telephone Number: (630) 327-7406

Value of Work Subcontracted: \$15,000.00

Nature of Work Subcontracted: Electrical

Subcontractor No. 2: Integrated Demolition Service

Address: 1312 Prospect Avenue

City, State, Zip Code: Willow Springs, IL 60480

Telephone Number: (708) 606-6942

Value of Work Subcontracted: \$9,000.00

Nature of Work Subcontracted: Demolition

Subcontractor No. 3: Cher-Mar Mechanical Insulation

Address: 8910 West 192nd, Unit K

City, State, Zip Code: Mokena, IL 60448

Telephone Number: (708) 478-0569

Value of Work Subcontracted: \$4,500.00

Nature of Work Subcontracted: Insulation

If additional sheets are needed, please make copies.

SUBCONTRACTORS

UNITED CITY OF YORKVILLE

Provide the name, contact information, and value of work for each and every subcontractor which will be employed on this project.

Subcontractor No. 4: Northern Illinois Fencing, Inc
Address: 320 W. Lincoln Hwy
City, State, Zip Code: Cortland, IL 60112
Telephone Number: (815) 756-3561
Value of Work Subcontracted: \$6,500.00
Nature of Work Subcontracted: Fencing

Subcontractor No. 5: Whittaker Construction & Excavating, Inc.
Address: 105 E. Park Street
City, State, Zip Code: Earlville, IL 60518
Telephone Number: (815) 246-7119
Value of Work Subcontracted: \$7,500.00
Nature of Work Subcontracted: Concrete

Subcontractor No. 6: _____
Address: _____
City, State, Zip Code: _____
Telephone Number: _____
Value of Work Subcontracted: _____
Nature of Work Subcontracted: _____

If additional sheets are needed, please make copies.

TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA

Hartford, Connecticut 06183

BID BOND

CONTRACTOR:

(Name, legal status and address)

R.J. O'NEIL, INC.

1125 S. LAKE ST.
MONTGOMERY, IL 60538

SURETY:

(Name, legal status and principal place of business)

Travelers Casualty and Surety Company of America

One Tower Square
Hartford, CT 06183

OWNER:

(Name, legal status and address):

UNITED CITY OF YORKVILLE

800 GAME FARM ROAD
YORKVILLE, IL 60560

BOND AMOUNT: TEN PERCENT OF AMOUNT BID (10%)

PROJECT:

(Name, location or address, and Principal number, if any)

HVAC SYSTEM REPLACEMENT AT THE BEECHER CENTER

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

Signed and sealed this 24TH day of MAY, 2018

R.J. O'NEIL, INC.

(Principal)

(Seal)

(Title) KEALAN O'NEIL - PRESIDENT

Travelers Casualty and Surety Company of America

(Surety)

(Seal)

(Title) AGNES A. FROEMEL Attorney-in-Fact

Megan Walter
(Witness)

Amanda Passafiume
(Witness)



**Travelers Casualty and Surety Company of America
Travelers Casualty and Surety Company
St. Paul Fire and Marine Insurance Company**

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company are corporations duly organized under the laws of the State of Connecticut (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint **Agnes A Froemel** of **JOLIET** Illinois, their true and lawful Attorney-in-Fact to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.
IN WITNESS WHEREOF, the Companies have caused this instrument to be signed, and their corporate seals to be hereto affixed, this **3rd** day of **February**, 2017.



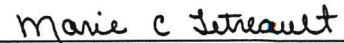
State of Connecticut
City of Hartford ss.

By: 
Robert L. Raney, Senior Vice President

On this the **3rd** day of **February**, 2017, before me personally appeared **Robert L. Raney**, who acknowledged himself to be the Senior Vice President of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

In Witness Whereof, I hereunto set my hand and official seal.
My Commission expires the **30th** day of **June**, 2021




Marie C. Tetreault, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, **Kevin E. Hughes**, the undersigned, Assistant Secretary of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which remains in full force and effect.

Dated this **24TH** day of **MAY**, 2018




Kevin E. Hughes, Assistant Secretary

**To verify the authenticity of this Power of Attorney, please call us at 1-800-421-3880.
Please refer to the above-named Attorney-in-Fact and the details of the bond to which the power is attached.**

United City of Yorkville
ADDENDUM TO RFP DOCUMENTS

REQUEST FOR PROPOSAL: HVAC System Replacement at Beecher Center

ADDENDUM No. 1


DATE: 5/9/18

To All Potential Bidders:

This addendum is issued to modify the previously issued bid documents and/or given for informational purposes, and is hereby made a part of the bid documents. Please attach a signed/dated copy of this addendum to the documents in your possession.

Changes and Clarifications to Original Scope of Work

1. (Item # 10 on Original SOW) Contractor will be responsible to make the needed wall penetrations to the attic space, to allow access for the new ductwork. All penetrations should be kept to the minimal space needed. The United City of Yorkville will the final modifications to the attic space doors, once the project has been completed.
2. (Item # 11 on Original SOW) All ductwork (exterior and in the attic space) must be lined insulated stainless steel, and the exterior ductwork must be wrapped to provide a water tight seal.
3. The approximate square footage of the entire building 9,423.



Signature

05/19/18
Date

United City of Yorkville
ADDENDUM TO RFP DOCUMENTS

REQUEST FOR PROPOSAL: HVAC System Replacement at Beecher Center

ADDENDUM No. 2

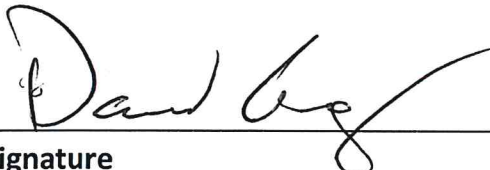
DATE: 5/11/18

To All Potential Bidders:

This addendum is issued to modify the previously issued bid documents and/or given for informational purposes, and is hereby made a part of the bid documents. Please attach a signed/dated copy of this addendum to the documents in your possession.

Additional Information to Original Scope of Work

- 1. Beecher Community Center Original HVAC Plan and Equipment Schedules M-1**



Signature

05/11/18
Date

LINE # 2000

MECHANICAL EQUIPMENT SCHEDULE

MANUFACTURER'S DESCRIPTION	TOTAL CFM	S.P.	HEATING LOAD BTU/HR.	COOL'G. LOAD BTU/HR.	H.P.	ELEC. DATA			ROOF OPEN'G.	EQUIP'T. WEIGHT	REMARKS
						VOLT	PH.	LYL.			
MAMMOTH # BHP 202 ROOF-TOP HVAC UNIT	8000	2 1/4"	300,000	259,000	(2) 10.0 (1) 5.0	208	3	60	2 1/2 x 56 1/2	3730 #	
MAMMOTH # CEHP 102 ROOF-TOP H.V.A.C UNIT	7332	2 1/4"	235,000	190,000	(2) 7 1/2 (1) 7 1/2 (1) 2.0	208	3	60	52 1/2 x 40 1/2 2 1/2 x 56 1/2	4940 #	
JENN-AIR # 90CW WALL EXH. FAN	1055	3/8"	—	—	1/4	115	1	60	12 1/2 x 12 1/2	55 #	W/ DISC. SWT., BIRD GUARD, MOTORIZED DAMPER.
JENN-AIR # 141CW WALL EXH. FAN - 2 SPEED	2155/1055	1/4"	—	—	1/2	115	1	60	20 1/2 x 20 1/2	155 #	do.
JENN-AIR # 125 BTD ROOF EXH. FAN	1800	1"	—	—	3/4	115	1	60	14 1/2 x 14 1/2		do. + PRE FAB CURB
MAMMOTH # C 202 REMOTE COND. UNIT	—	—	—	259,000	(1) 3.0	208	3	60		1900 #	
JENN-AIR # 241RV ROOF RELIEF VENT	1800	1/4"	—	—	—	—	—	—	—	—	W/ PRE-FAB CURB
JENN-AIR # 118 CR ROOF EXH. FAN	830	1/4"	—	—	1/2	120	1	60	16 1/2 x 16 1/2	95 #	W/ PRE-FAB CURB, DISC. SWT, BIRD GUARD, MOTORIZED DAMPER

United City of Yorkville
ADDENDUM TO RFP DOCUMENTS

REQUEST FOR PROPOSAL: HVAC System Replacement at Beecher Center

ADDENDUM No. 3

DATE: 5/14/18

To All Potential Bidders:

This addendum is issued to modify the previously issued bid documents and/or given for informational purposes, and is hereby made a part of the bid documents. Please attach a signed/dated copy of this addendum to the documents in your possession.

Extension of Bid Due Date and Bid Opening

- 1. The United City of Yorkville will be extending the bid due date and the public bid opening until Thursday May 24, 2018 at 10:00am at Yorkville City Hall. This decision will ensure all bidders have enough time to review Addendum's 1, 2 & 3, to provide accurate quotes for this project.**



Signature

05/14/18
Date

Submittal

United City of Yorkville Illinois HVAC System Replacement at the Beecher Center

Rooftop Unit

Owner:

United City of Yorkville Illinois
800 Game Farm Road
Yorkville, IL 60560
P: (630) 553-4350

Manufacturer:

Carrier Corporation
Farmington, CT
P: (800) 227-7437

Mechanical Contractor:

R.J. O'Neil, Inc.
1125 S. Lake Street
Montgomery, IL 60538
P: (630) 906-1300

Vendor:

Temperature Equipment Corporation
17725 Volbrecht Road
Lansing, IL 60438
P: (708) 418-0900



SUBMITTAL

Project

Yorkville Beecher

Date

Monday, May 14, 2018

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Project: Yorkville Beecher
Prepared By:

05/14/2018
11:18AM

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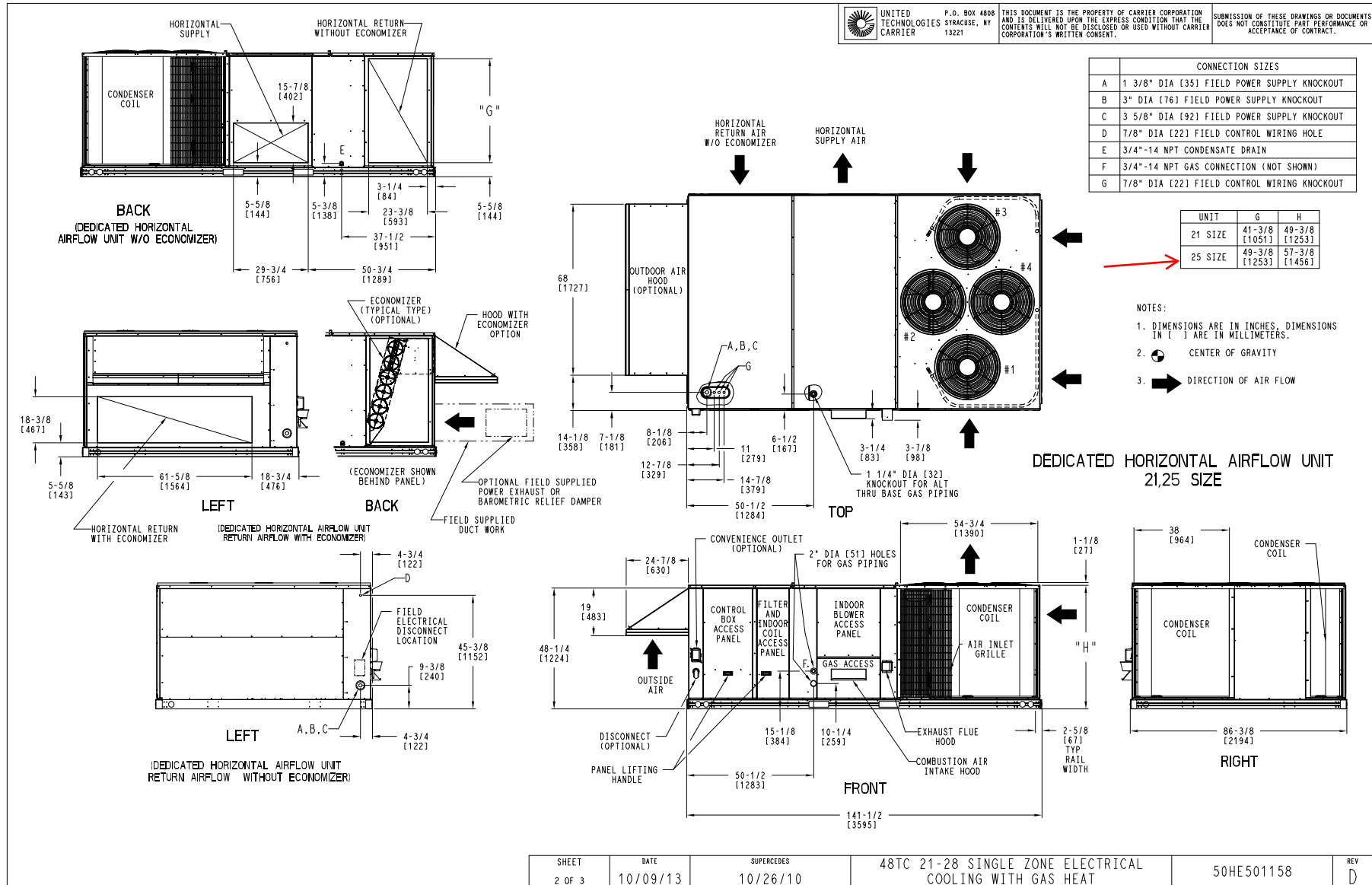
RTU-20

**Tag Cover Sheet
Unit Report
Certified Drawing
Performance Report**

Certified Drawing for RTU-20

Project: Yorkville Beecher
Prepared By:

05/14/2018
11:18AM




Certified Drawing for RTU-20

Project: Yorkville Beecher
Prepared By:

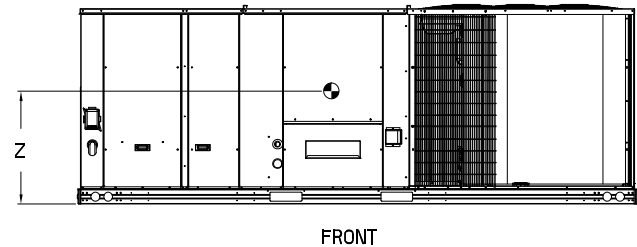
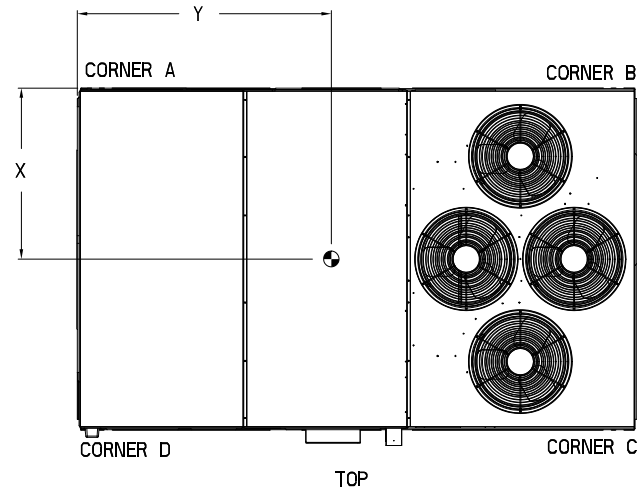
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UNIT	OUTDOOR COIL TYPE	STD UNIT WEIGHT *		CORNER WEIGHT (A)		CORNER WEIGHT (B)		CORNER WEIGHT (C)		CORNER WEIGHT (D)		C.G.		
		LBS.	KG.	LBS.	KG.	LBS.	KG.	LBS.	KG.	LBS.	KG.	X	Y	Z
48TC24	MCHX	1989	904	383	174	540	245	623	283	442	201	46 1/8 [1172]	82 7/8 [2105]	16 1/2 [419]
48TC28	MCHX	2118	963	408	186	575	261	664	302	471	214	46 1/8 [1172]	82 7/8 [2105]	19 [483]
48TC21	RTPF	2102	956	474	215	390	177	593	269	582	265	47 1/2 [1207]	71 1/4 [1810]	16 1/2 [419]
48TC24	RTPF	2072	942	558	254	548	249	479	217	487	221	40 5/32 [1020]	70 [1778]	16 1/2 [419]
48TC25	RTPF	2247	1021	540	246	556	253	598	272	581	264	44 5/8 [1133]	71 5/8 [1819]	19 [483]
48TC28	RTPF	2197	999	571	259	564	256	528	240	534	243	41 21/32 [1058]	70 1/4 [1784]	19 [483]

RTPF - ROUND TUBE, PLATE FIN (COPPER/ALUM)
MCHX - NOVATION (ALUM/ALUM)


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* STANDARD UNIT WEIGHT IS WITH LOW GAS HEAT AND WITHOUT PACKAGING. FOR OTHER OPTIONS AND ACCESSORIES, REFER TO THE PRODUCT DATA CATALOG.



SHEET 3 OF 3	DATE 10/09/13	SUPERCEDES 10/26/10	48TC 21-28 SINGLE ZONE ELECTRICAL COOLING WITH GAS HEAT	50HE501158	REV D
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Certified Drawing for RTU-20

Project: Yorkville Beecher
Prepared By:

05/14/2018
11:18AM

Service Clearance

C12392

LOCATION	DIMENSION	CONDITION
A	36--in (914 mm)	<ul style="list-style-type: none"> • Recommended clearance for air flow and service
B	42--in (1067 mm)	<ul style="list-style-type: none"> • Recommended clearance for air flow and service
C	18--in (457 mm)	<ul style="list-style-type: none"> • No Convenience Outlet • No Economizer • No field installed disconnect on economizer hood side (Factory-- installed disconnect installed)
	36--in (914 mm)	<ul style="list-style-type: none"> • Convenience Outlet installed • Vertical surface behind servicer is electrically non--conductive (e.g.: wood, fiberglass)
	42--in (1067 mm)	<ul style="list-style-type: none"> • Convenience Outlet installed • Vertical surface behind servicer is electrically conductive (e.g.: metal, masonry)
	96--in (2438 mm)	<ul style="list-style-type: none"> • Economizer and/or Power Exhaust installed • Check for sources of flue products with 10 feet (3 meters) of economizer fresh air intake
D	42--in (1067 mm)	<ul style="list-style-type: none"> • Recommended clearance for service

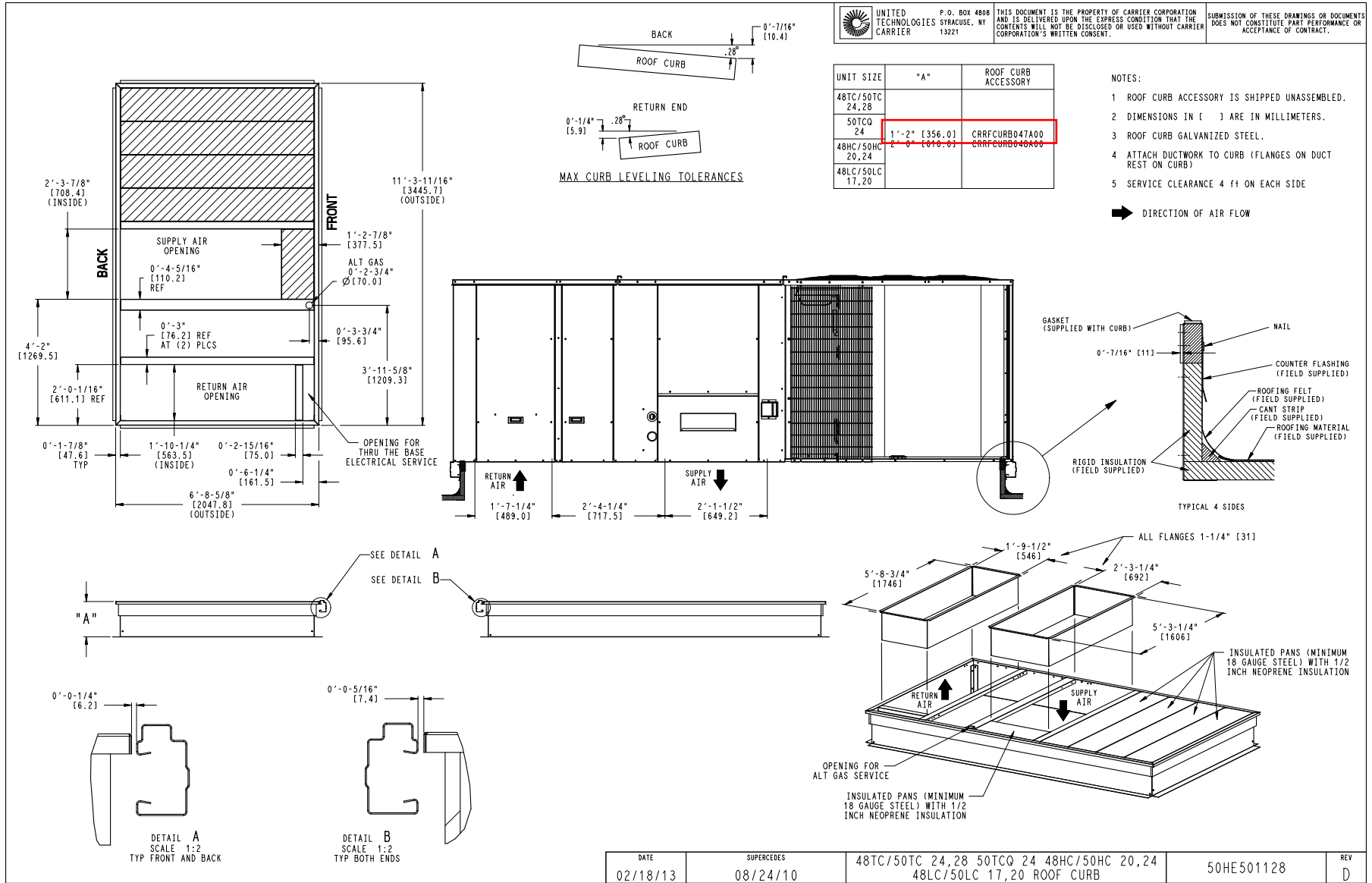
NOTE: Unit not designed to have overhead obstruction. Contact Application Engineering for guidance on any application planning overhead obstruction or vertical clearances.

Chassis 6-9

Certified Drawing for RTU-20

Project: Yorkville Beecher
Prepared By:

05/14/2018
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Performance Summary For RTU-20

Project: Yorkville Beecher
Prepared By:

05/14/2018
11:18AM

Part Number: 48TCFE25A7A5-0A0J0

ARI EER: **10.80**
IEER (Max Cooling at Normal Cooling Design Mode): **12.4**

Base Unit Dimensions

Unit Length: **141.5** in
Unit Width: **86.4** in
Unit Height: **57.4** in

Operating Weight

Base Unit Weight: **2247** lb
High Heat: **113** lb
Two stage Cooling with Humidi-MiZer: **120** lb
High Static Option - Horizontal Models: **16** lb
2 Speed Fan Controller (VFD) and Non-Fused Disconnect: **35** lb

Accessories

14-inch Tall Roof Curb: **255** lb

Total Operating Weight: **2786** lb

Unit

Unit Voltage-Phase-Hertz: **208-3-60**
Air Discharge: **Horizontal**
Fan Drive Type: **Belt**
Actual Airflow: **8000** CFM
Site Altitude: **0** ft

Cooling Performance

Condenser Entering Air DB: **95.0** F
Evaporator Entering Air DB: **80.0** F
Evaporator Entering Air WB: **67.0** F
Entering Air Enthalpy: **31.44** BTU/lb
Evaporator Leaving Air DB: **58.3** F
Evaporator Leaving Air WB: **57.2** F
Evaporator Leaving Air Enthalpy: **24.50** BTU/lb
Gross Cooling Capacity: **249.60** MBH
Gross Sensible Capacity: **187.10** MBH
Compressor Power Input: **16.90** kW
Coil Bypass Factor: **0.104**

Heating Performance

Heating Airflow: **8000** CFM
Entering Air Temp: **70.0** F
Leaving Air Temp: **107.5** F
Gas Heating Input Capacity: **320.0 / 400.0** MBH
Gas Heating Output Capacity: **260.0 / 324.0** MBH
Temperature Rise: **37.5** F
Thermal Efficiency (%): **81.0**

Supply Fan

External Static Pressure: **1.50** in wg
Options / Accessories Static Pressure
Humidi-MiZer Dehumidification System: **0.08** in wg
Total Application Static (ESP + Unit Opts/Acc.): **1.58** in wg
Fan RPM: **1111**
Fan Power: **10.06** BHP
NOTE: **The Selected Indoor Fan Motor requires a Field-Supplied Drive (RPM Range: 941 - 1100).**

Electrical Data

Voltage Range: **187 / 253**

Performance Summary For RTU-20

Project: Yorkville Beecher
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Compressor #1 RLA:	30.1
Compressor #1 LRA:	225
Compressor #2 RLA:	30.1
Compressor #2 LRA:	225
Indoor Fan Motor Type:	HIGH
Indoor Fan Motor FLA:	28.5
Combustion Fan Motor FLA (ea):	0.52
Power Supply MCA:	102.2
Power Supply MOCP (Fuse or HACR):	125
Disconnect Size FLA:	109
Disconnect Size LRA:	625
Electrical Convenience Outlet:	None
Outdoor Fan [Qty / FLA (ea)]:	4 / 1.5

Electrical Data (Unit produced on or after May 16, 2016)

Compressor #1 RLA:	28.2
Compressor #1 LRA:	239
Compressor #2 RLA:	28.2
Compressor #2 LRA:	239
Power Supply MCA:	98
Power Supply MOCP (Fuse or HACR):	125
Disconnect Size FLA:	105
Disconnect Size LRA:	653

May 16, 2016 and beyond units can be identified by serial number 2116P15272 and higher

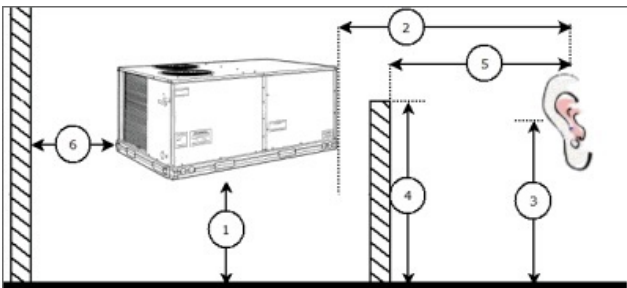
Control Panel SCCR: 5kA RMS at Rated Symmetrical Voltage

Acoustics

Sound Rating: **87.0 db**
 Sound Power Levels, db re 10E-12 Watts

	Discharge	Inlet	Outdoor
63 Hz	95.8	95.9	95.6
125 Hz	91.5	80.6	87.5
250 Hz	83.8	74.0	84.2
500 Hz	82.6	65.7	84.2
1000 Hz	77.7	60.9	81.7
2000 Hz	75.9	56.7	77.9
4000 Hz	75.3	49.9	73.2
8000 Hz	67.9	39.1	66.3
A-Weighted	85.1	72.9	86.5

Advanced Acoustics



Advanced Acoustics Parameters

1. Unit height above ground: **30.0 ft**

Performance Summary For RTU-20

Project: Yorkville Beecher
 Prepared By:

05/14/2018
 11:18AM

- 2. Horizontal distance from unit to receiver:.....**50.0** ft
- 3. Receiver height above ground:.....**5.7** ft
- 4. Height of obstruction:.....**0.0** ft
- 5. Horizontal distance from obstruction to receiver:.....**0.0** ft
- 6. Horizontal distance from unit to obstruction:.....**0.0** ft

Detailed Acoustics Information

Octave Band Center Freq. Hz	63	125	250	500	1k	2k	4k	8k	Overall
A	95.6	87.5	84.2	84.2	81.7	77.9	73.2	66.3	96.9 Lw
B	69.4	71.4	75.6	81.0	81.7	79.1	74.2	65.2	86.5 LwA
C	63.2	55.1	51.8	51.8	49.3	45.5	40.8	33.9	64.5 Lp
D	37.0	39.0	43.2	48.6	49.3	46.7	41.8	32.8	54.1 LpA

Legend

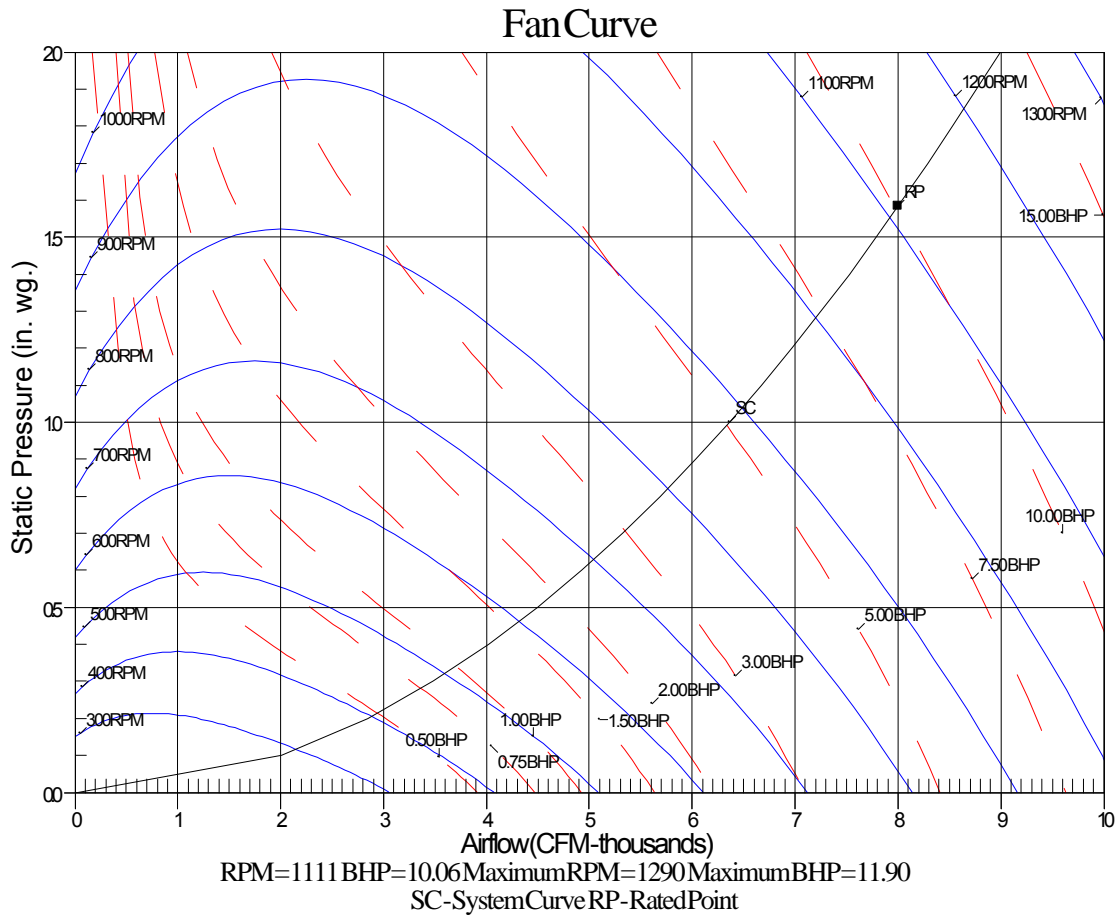
- A Sound Power Levels at Unit's Acoustic Center, Lw
- B A-Weighted Sound Power Levels at Unit's Acoustic Center, LwA
- C Sound Pressure Levels at Specific Distance from Unit, Lp
- D A-Weighted Sound Pressure Levels at Specific Distance from Unit, LpA

Calculation methods used in this program are patterned after the ASHRAE Guide; other ASHRAE Publications and the AHRI Acoustical Standards. While a very significant effort has been made to insure the technical accuracy of this program, it is assumed that the user is knowledgeable in the art of system sound estimation and is aware of the tolerances involved in real world acoustical estimation. This program makes certain assumptions as to the dominant sound sources and sound paths which may not always be appropriate to the real system being estimated. Because of this, no assurances can be offered that this software will always generate an accurate sound prediction from user supplied input data. If in doubt about the estimation of expected sound levels in a space, an Acoustical Engineer or a person with sound prediction expertise should be consulted.

Performance Summary For RTU-20

Project: Yorkville Beecher
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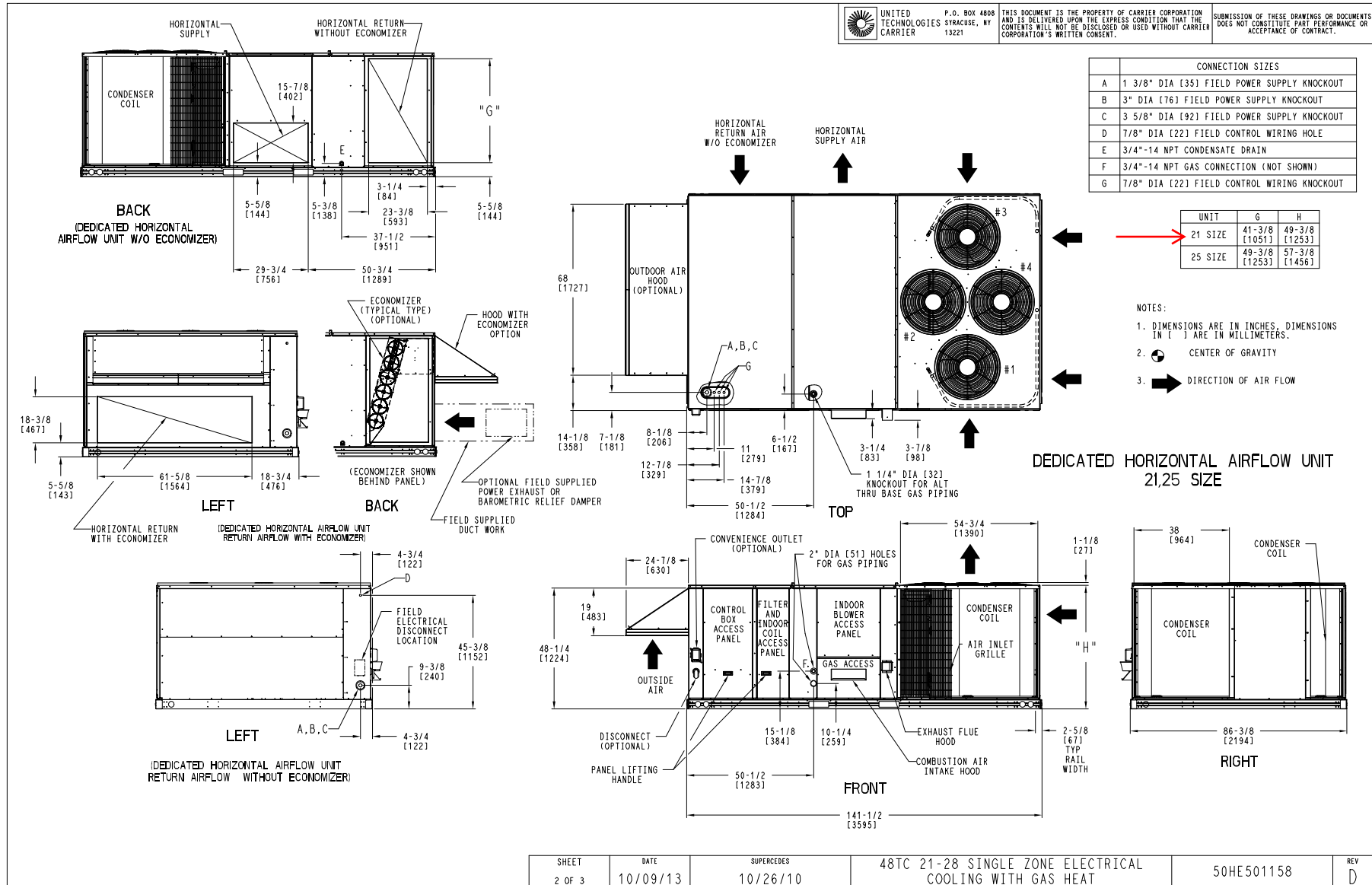
RTU-17.5

**Tag Cover Sheet
Unit Report
Certified Drawing
Performance Report**

Certified Drawing for RTU-17.5

Project: Yorkville Beecher
Prepared By:

05/14/2018
11:18AM



Certified Drawing for RTU-17.5

Project: Yorkville Beecher
Prepared By:

05/14/2018
11:18AM

UNIT	OUTDOOR COIL TYPE	STD UNIT WEIGHT *		CORNER WEIGHT (A)		CORNER WEIGHT (B)		CORNER WEIGHT (C)		CORNER WEIGHT (D)		C.G.		
		LBS.	KG.	LBS.	KG.	LBS.	KG.	LBS.	KG.	LBS.	KG.	X	Y	Z
48TC24	MCHX	1989	904	383	174	540	245	623	283	442	201	46 1/8 [1172]	82 7/8 [2105]	16 1/2 [419]
48TC28	MCHX	2118	963	408	186	575	261	664	302	471	214	46 1/8 [1172]	82 7/8 [2105]	19 [483]
48TC21	RTPF	2102	956	474	215	390	177	593	269	582	265	47 1/2 [1207]	71 1/4 [1810]	16 1/2 [419]
48TC24	RTPF	2072	942	558	254	548	249	479	217	487	221	40 5/32 [1020]	70 [1778]	16 1/2 [419]
48TC25	RTPF	2247	1021	540	246	556	253	598	272	581	264	44 5/8 [1133]	71 5/8 [1819]	19 [483]
48TC28	RTPF	2197	999	571	259	564	256	528	240	534	243	41 21/32 [1058]	70 1/4 [1784]	19 [483]

RTPF - ROUND TUBE, PLATE FIN (COPPER/ALUM)
MCHX - NOVATION (ALUM/ALUM)

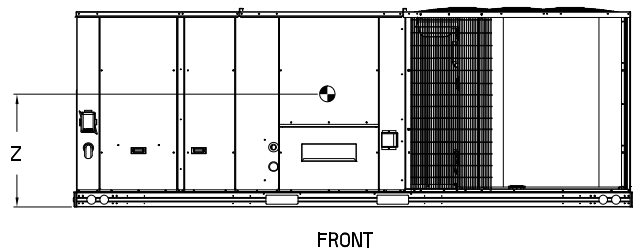
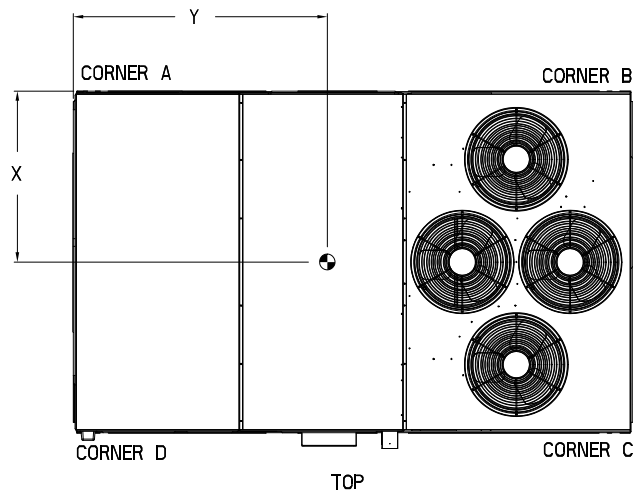


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SHEET 3 OF 3	DATE 10/09/13	SUPERCEDES 10/26/10	48TC 21-28 SINGLE ZONE ELECTRICAL COOLING WITH GAS HEAT	50HE501158	REV D
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Certified Drawing for RTU-17.5

Project: Yorkville Beecher
Prepared By:

05/14/2018
11:18AM

Service Clearance

C12392

LOCATION	DIMENSION	CONDITION
A	36--in (914 mm)	<ul style="list-style-type: none"> • Recommended clearance for air flow and service
B	42--in (1067 mm)	<ul style="list-style-type: none"> • Recommended clearance for air flow and service
C	18--in (457 mm)	<ul style="list-style-type: none"> • No Convenience Outlet • No Economizer • No field installed disconnect on economizer hood side (Factory-- installed disconnect installed)
	36--in (914 mm)	<ul style="list-style-type: none"> • Convenience Outlet installed • Vertical surface behind servicer is electrically non--conductive (e.g.: wood, fiberglass)
	42--in (1067 mm)	<ul style="list-style-type: none"> • Convenience Outlet installed • Vertical surface behind servicer is electrically conductive (e.g.: metal, masonry)
	96--in (2438 mm)	<ul style="list-style-type: none"> • Economizer and/or Power Exhaust installed • Check for sources of flue products with 10 feet (3 meters) of economizer fresh air intake
D	42--in (1067 mm)	<ul style="list-style-type: none"> • Recommended clearance for service

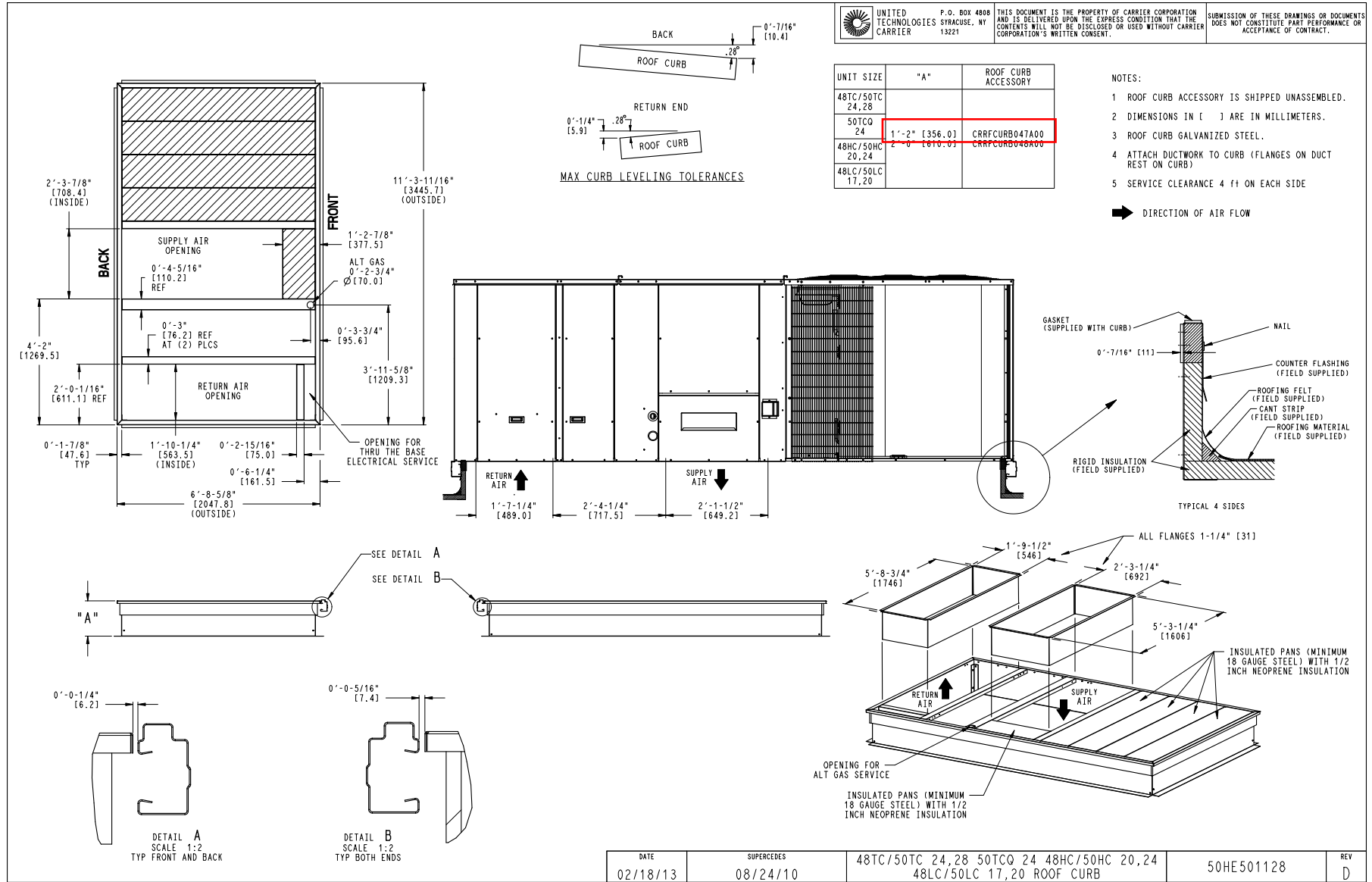
NOTE: Unit not designed to have overhead obstruction. Contact Application Engineering for guidance on any application planning overhead obstruction or vertical clearances.

Chassis 6-9

Certified Drawing for RTU-17.5

Project: Yorkville Beecher
Prepared By:

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Performance Summary For RTU-17.5

Project: Yorkville Beecher
Prepared By:

05/14/2018
11:18AM

Part Number:48TCEE21A7A5-0A0J0

ARI EER:.....**10.80**
IEER (Max Cooling at Normal Cooling Design Mode):.....**12.7**

Base Unit Dimensions

Unit Length:.....**141.5** in
Unit Width:.....**86.4** in
Unit Height:.....**49.4** in

Operating Weight

Base Unit Weight:.....**2102** lb
Medium Heat:.....**90** lb
Two stage Cooling with Humidi-MiZer:.....**120** lb
High Static Option - Horizontal Models:.....**12** lb
2 Speed Fan Controller (VFD) and Non-Fused Disconnect:.....**35** lb

Accessories

14-inch Tall Roof Curb:.....**255** lb

Total Operating Weight:.....**2614** lb

Unit

Unit Voltage-Phase-Hertz:.....**208-3-60**
Air Discharge:.....**Horizontal**
Fan Drive Type:.....**Belt**
Actual Airflow:.....**7350** CFM
Site Altitude:.....**0** ft

Cooling Performance

Condenser Entering Air DB:.....**95.0** F
Evaporator Entering Air DB:.....**80.0** F
Evaporator Entering Air WB:.....**67.0** F
Entering Air Enthalpy:.....**31.44** BTU/lb
Evaporator Leaving Air DB:.....**58.8** F
Evaporator Leaving Air WB:.....**57.9** F
Evaporator Leaving Air Enthalpy:.....**24.97** BTU/lb
Gross Cooling Capacity:.....**214.08** MBH
Gross Sensible Capacity:.....**168.46** MBH
Compressor Power Input:.....**14.34** kW
Coil Bypass Factor:.....**0.091**

Heating Performance

Heating Airflow:.....**7350** CFM
Entering Air Temp:.....**70.0** F
Leaving Air Temp:.....**101.6** F
Gas Heating Input Capacity:.....**248.0 / 310.0** MBH
Gas Heating Output Capacity:.....**200.0 / 251.0** MBH
Temperature Rise:.....**31.6** F
Thermal Efficiency (%):.....**81.0**

Supply Fan

External Static Pressure:.....**0.85** in wg
Options / Accessories Static Pressure
Humidi-MiZer Dehumidification System:.....**0.09** in wg
Total Application Static (ESP + Unit Opts/Acc.):.....**0.94** in wg
Fan RPM:.....**943**
Fan Power:.....**6.33** BHP
NOTE:.....**Selected IFM RPM Range: 835 - 1021**

Electrical Data

Voltage Range:.....**187 / 253**

Performance Summary For RTU-17.5

Project: Yorkville Beecher
Prepared By:

05/14/2018
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Compressor #1 RLA:	27.6
Compressor #1 LRA:	191
Compressor #2 RLA:	25
Compressor #2 LRA:	164
Indoor Fan Motor Type:	HIGH
Indoor Fan Motor FLA:	17.1
Combustion Fan Motor FLA (ea):	0.52
Power Supply MCA:	82.6
Power Supply MOCP (Fuse or HACR):	100
Disconnect Size FLA:	87
Disconnect Size LRA:	451
Electrical Convenience Outlet:	None
Outdoor Fan [Qty / FLA (ea)]:	4 / 1.5

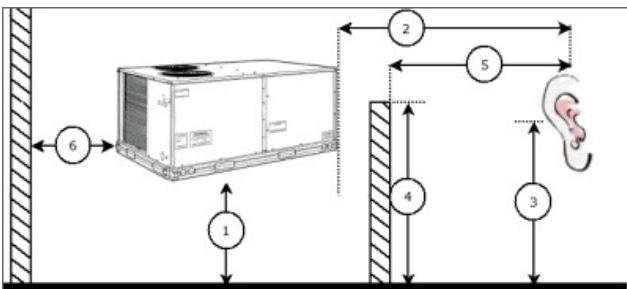
Control Panel SCCR: 5kA RMS at Rated Symmetrical Voltage

Acoustics

Sound Rating: 84.0 db
Sound Power Levels, db re 10E-12 Watts

	Discharge	Inlet	Outdoor
63 Hz	92.4	92.1	92.2
125 Hz	86.2	75.7	83.9
250 Hz	78.8	70.2	80.4
500 Hz	78.3	62.9	81.8
1000 Hz	72.6	57.3	78.7
2000 Hz	71.0	52.8	76.5
4000 Hz	70.9	46.6	72.2
8000 Hz	62.2	34.9	65.4
A-Weighted	80.4	69.0	84.1

Advanced Acoustics



Advanced Acoustics Parameters

- 1. Unit height above ground:..... 30.0 ft
- 2. Horizontal distance from unit to receiver:..... 50.0 ft
- 3. Receiver height above ground:..... 5.7 ft
- 4. Height of obstruction:..... 0.0 ft
- 5. Horizontal distance from obstruction to receiver:..... 0.0 ft
- 6. Horizontal distance from unit to obstruction:..... 0.0 ft

Detailed Acoustics Information

Octave Band Center Freq. Hz	63	125	250	500	1k	2k	4k	8k	Overall
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Performance Summary For RTU-17.5

Project: Yorkville Beecher
Prepared By:

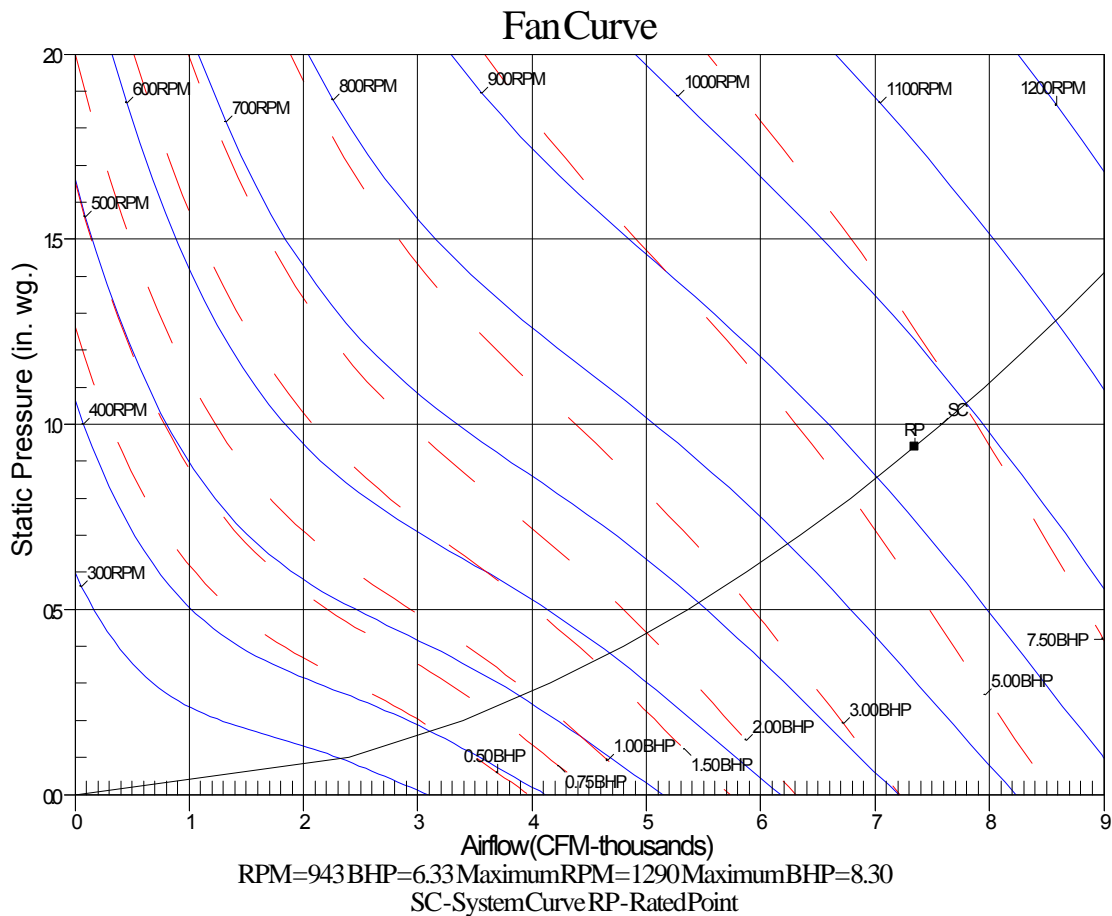
05/14/2018
11:18AM

A	92.2	83.9	80.4	81.8	78.7	76.5	72.2	65.4	93.6 Lw
B	66.0	67.8	71.8	78.6	78.7	77.7	73.2	64.3	84.1 LwA
C	59.8	51.5	48.0	49.4	46.3	44.1	39.8	33.0	61.2 Lp
D	33.6	35.4	39.4	46.2	46.3	45.3	40.8	31.9	51.7 LpA

Legend

- A Sound Power Levels at Unit's Acoustic Center, Lw
- B A-Weighted Sound Power Levels at Unit's Acoustic Center, LwA
- C Sound Pressure Levels at Specific Distance from Unit, Lp
- D A-Weighted Sound Pressure Levels at Specific Distance from Unit, LpA

Calculation methods used in this program are patterned after the ASHRAE Guide; other ASHRAE Publications and the AHRI Acoustical Standards. While a very significant effort has been made to insure the technical accuracy of this program, it is assumed that the user is knowledgeable in the art of system sound estimation and is aware of the tolerances involved in real world acoustical estimation. This program makes certain assumptions as to the dominant sound sources and sound paths which may not always be appropriate to the real system being estimated. Because of this, no assurances can be offered that this software will always generate an accurate sound prediction from user supplied input data. If in doubt about the estimation of expected sound levels in a space, an Acoustical Engineer or a person with sound prediction expertise should be consulted.





5/24/18

United City of Yorkville
HVAC System Replacement at the Beecher Center
Attn: Steve Raasch, Facilities Manager
800 Game Farm Road
Yorkville, IL 60560

To whom it may concern,

After reviewing the base bid options and total bid package I have found it necessary to reach out to you as soon as possible regarding some pricing issues. I understand RJ O'Neil had a base bid that was significantly lower than the competitor. I would like to spell out a few things on our scope of work to explain some pricing differences.

The first item is the biggest. Addendum #1 states that the ductwork is to be stainless steel with internal liner for exterior and attic space, and THE EXTERIOR ductwork is to be wrapped for a water tight seal. In my scope of work and estimate I only included to wrap the exterior portion of the ductwork before it enters the attic space with a weatherproof aluminum. I believe the competitor had figured an energy code of 3" insulation and venture clad aluminum jacketing for the entire ductwork trunk line. The pricing difference of this material and work is a total of \$40,000.00. If you are willing to accept a change in price for this insulation cost it would not only be appreciated, it would still be at a lower cost than the competitor price.

The second item is the RTU manufacture. RJO included to use Carrier for the Rooftop units. These units come with multiple options and I have included them in our scope of work according to the specifications stated on the bid form. If the city would like an alternate price to use TRANE for a unit model RJ O'Neil can provide that to match your specific needs.

The third item is the cost difference to install (1) weather hood for the existing condenser discharge openings. I will admit I missed to include (2) of them which I am not adding any cost for. I simply wanted to point that out since there was only one listed on the bid form.

The fourth item for explanation is very simple. I have included the controls portion of the bid to be programmable stand- alone thermostats with wiring to the units. I did not include any internet wiring to a building automation system or specialty wiring to tie into a different monitoring center.

Fifth and last comment for bid review was the labor for demolition. I have a separate sub-contractor performing this work and I believe the labor hours are drastically lower on our bid due to this.

I hope this project and bid package can be discussed further so RJ O'Neil can perform this work for you in a timely and cost effective manner. We work very hard to develop customer relationships and stand behind our craftsmanship and work ethics. I feel if these items cannot be discussed and allowance is not granted for the price increases mentioned then I do not feel comfortable accepting



the contract amount presented. I apologize for the mistakes made on this bid package but I am very confident that RJO can perform this work to the highest standards to ensure your satisfaction. I am always available to discuss any other concerns you may have along with offering any other HVAC & Plumbing needs. Please contact me directly after this letter has been reviewed and I hope we can work together on this. Thank you for the opportunity and I look forward to hearing from you.

Sincerely,

A handwritten signature in black ink that reads "David Grey". The signature is written in a cursive style with a long, sweeping underline that extends across the width of the page.

David Grey
Construction Manager
RJ O'Neil Mechanical Contractors

**UNITED CITY OF YORKVILLE
800 Game Farm Road
YORKVILLE, ILLINOIS 60560**

CONTRACT

THIS CONTRACT made this _____ day of _____, 2018, by and between the United City of Yorkville, an Illinois municipal corporation hereinafter called the "Owner" and _____ located at _____ hereinafter called the "Contractor".

WITNESSETH:

WHEREAS, the Owner has heretofore solicited Proposals for all labor and materials necessary to complete the work specified in this bid package;

WHEREAS, the Owner has found that the Contractor is the lowest responsible person submitting the proposal for said work and has awarded the Contractor this contract for said work.

NOW, THEREFORE, for and in consideration of their mutual promises and agreements, the parties hereto do hereby agree as follows:

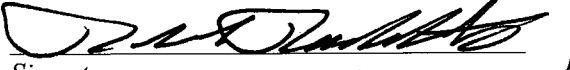
1. The Contractor agrees to furnish all materials, supplies, tools, equipment, labor and other services necessary to commence and complete the removal of existing HVAC system and install a new HVAC system at the Beecher Center in accordance with the conditions and prices stated in the Request for Proposal, Instructions to Persons submitting proposals – General Conditions, Special Conditions, Insurance Requirements, Specifications and Plans, Proposal, and Detail Exception Sheet all of which are made a part hereof and herein called the "Contract Documents".
2. The Owner will pay the Contractor in the amounts, manner and at times as set forth in the Contract Documents.

IN WITNESS WHEREOF, the parties hereto have executed, or caused to be executed by their duly authorized officials, this Contract as of the day and year first above written:

UNITED CITY OF YORKVILLE

By: _____

CONTRACTOR: *Trico Mechanical, Inc.*

By: 
Signature
Ronald Ruedelick President
Print Name and Title



Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input type="checkbox"/>
Engineer	<input checked="" type="checkbox"/>
City Administrator	<input checked="" type="checkbox"/>
Human Resources	<input type="checkbox"/>
Community Development	<input type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input type="checkbox"/>

Agenda Item Number

New Business #4

Tracking Number

PW 2018-59

Agenda Item Summary Memo

Title: Traffic Control Request – Heartland Subdivision

Meeting and Date: Public Works Committee – June 19, 2018

Synopsis: Signage Review

Council Action Previously Taken:

Date of Action: _____ Action Taken: _____

Item Number: _____

Type of Vote Required: _____

Council Action Requested: None

Submitted by: Brad Sanderson Engineering
Name Department

Agenda Item Notes:



Memorandum

To: Bart Olson, City Administrator
From: Brad Sanderson, EEI
CC: Eric Dhuse, Director of Public Works
Krysti Barksdale-Noble, Community Dev. Dir.
Lisa Pickering, Deputy City Clerk

Date: April 27, 2018
Subject: Heartland Stop Signs

As requested, we investigated the possible installation of stop signs within Heartland subdivision. Our findings were as follows:

- There are five entrances into the subdivision: Dakota Drive and Heartland Drive, Farmstead Drive and Heartland Drive, Heritage Drive and Heartland Drive/Arrowhead Drive, Wacker Drive and Arrowhead Drive, and Omaha Drive and Homestead Drive.
- There are yield signs on one approach at three of the intersections: on Dakota Drive at the intersection with Heartland Drive, on Farmstead Drive at the intersection with Heartland Drive, and on Heritage Drive at the intersection with Heartland Drive/Arrowhead Drive. The other two intersections do not have any intersection control.
- The vehicular traffic in the subdivision is low since it is mainly limited to trips entering and exiting the development.
- The intersections do not appear to have any sight distance constraints.
- There has been one recorded crash within the last 5 years. There was a property damage accident in 2017 at the intersection of Heritage Drive and Heartland Drive/Arrowhead Drive.
- The governing entity on traffic control signage is the Manual on Uniform Traffic Control Devices (MUTCD). The manual states as follows in regards to stop sign installation:

Guidance:

Engineering judgment should be used to establish intersection control. The following factors should be considered:

- A. Vehicular, bicycle, and pedestrian traffic volumes on all approaches;*
- B. Number and angle of approaches;*
- C. Approach speeds;*
- D. Sight distance available on each approach; and*
- E. Reported crash experience.*

YIELD or STOP signs should be used at an intersection if one or more of the following conditions exist:

- A. An intersection of a less important road with a main road where application of the normal right-of-way rule would not be expected to provide reasonable compliance with the law;*
- B. A street entering a designated through highway or street; and/or*
- C. An unsignalized intersection in a signalized area.*

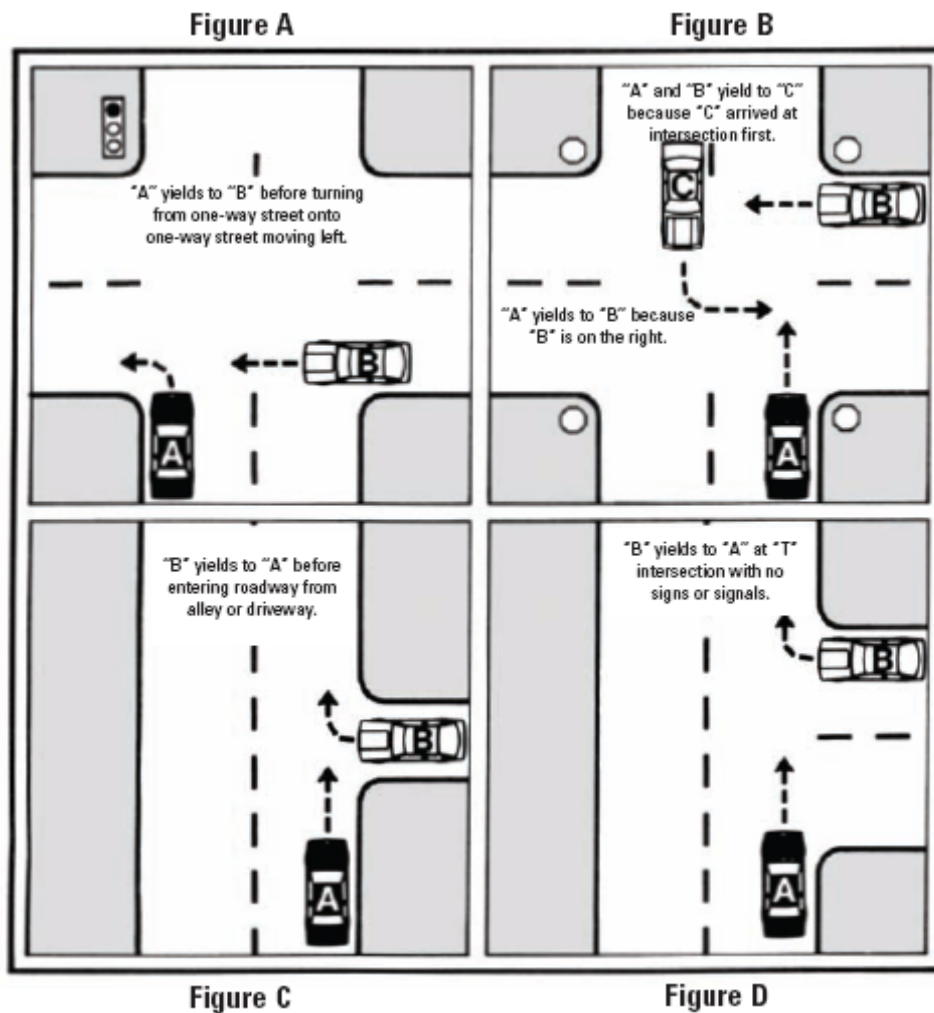
In addition, the use of YIELD or STOP signs should be considered at the intersection of two minor streets or local roads where the intersection has more than three approaches and where one or more of the following conditions exist:

- A. The combined vehicular, bicycle, and pedestrian volume entering the intersection from all approaches averages more than 2,000 units per day;
- B. The ability to see conflicting traffic on an approach is not sufficient to allow a road user to stop or yield in compliance with the normal right-of-way rule if such stopping or yielding is necessary; and/or
- C. Crash records indicate that five or more crashes that involve the failure to yield the right-of-way at the intersection under the normal right-of-way rule have been reported within a 3-year period, or that three or more such crashes have been reported within a 2-year period.

Yield or Stop signs should not be used for speed control.

Since the traffic volume would appear to be below 2,000 units per day, there are no sight distance constraints and there does not appear to be any accident history, these intersections do not appear to be good candidates for stop signs based on the above criteria. We recommend leaving all five of the intersections as they currently stand, with yield signs on one approach at three of the intersections and no signage at the other two intersections.

Generally, at unsigned intersections, the application of the normal right-of-way rules would apply. Figure D taken from the Illinois Drivers Manual shows that the minor roadway should yield to traffic on the major roadway at uncontrolled intersections.



It is our understanding that there may be a concern regarding speed within the Heartland subdivision. This may be more properly addressed with enforcement or if necessary, traffic calming devices. We will be prepared to discuss further at the committee meeting. If you have any questions or need additional information, please let us know.



Dakota Drive and Heartland Drive - Yield sign on Dakota Drive

Farmstead Drive and Heartland Drive - Yield sign on Farmstead Drive

Heritage Drive and Heartland Drive/ Arrowhead Drive - Yield sign on Heritage Drive

Omaha Drive and Homestead Drive - No intersection control

Wacker Drive and Arrowhead Drive - No intersection control



Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input type="checkbox"/>
Engineer	<input type="checkbox"/>
City Administrator	<input checked="" type="checkbox"/>
Human Resources	<input type="checkbox"/>
Community Development	<input type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input checked="" type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #5

Tracking Number

PW 2018-60

Agenda Item Summary Memo

Title: Johnson Property

Meeting and Date: Public Works Committee – June 19, 2018

Synopsis: Discussion of the Johnson Property at the south end of Freemont St. at Alderman Funkhouser's request.

Council Action Previously Taken:

Date of Action: _____ Action Taken: _____

Item Number: _____

Type of Vote Required: None, informational only.

Council Action Requested: None

Submitted by: Eric Dhuse Public Works
Name Department

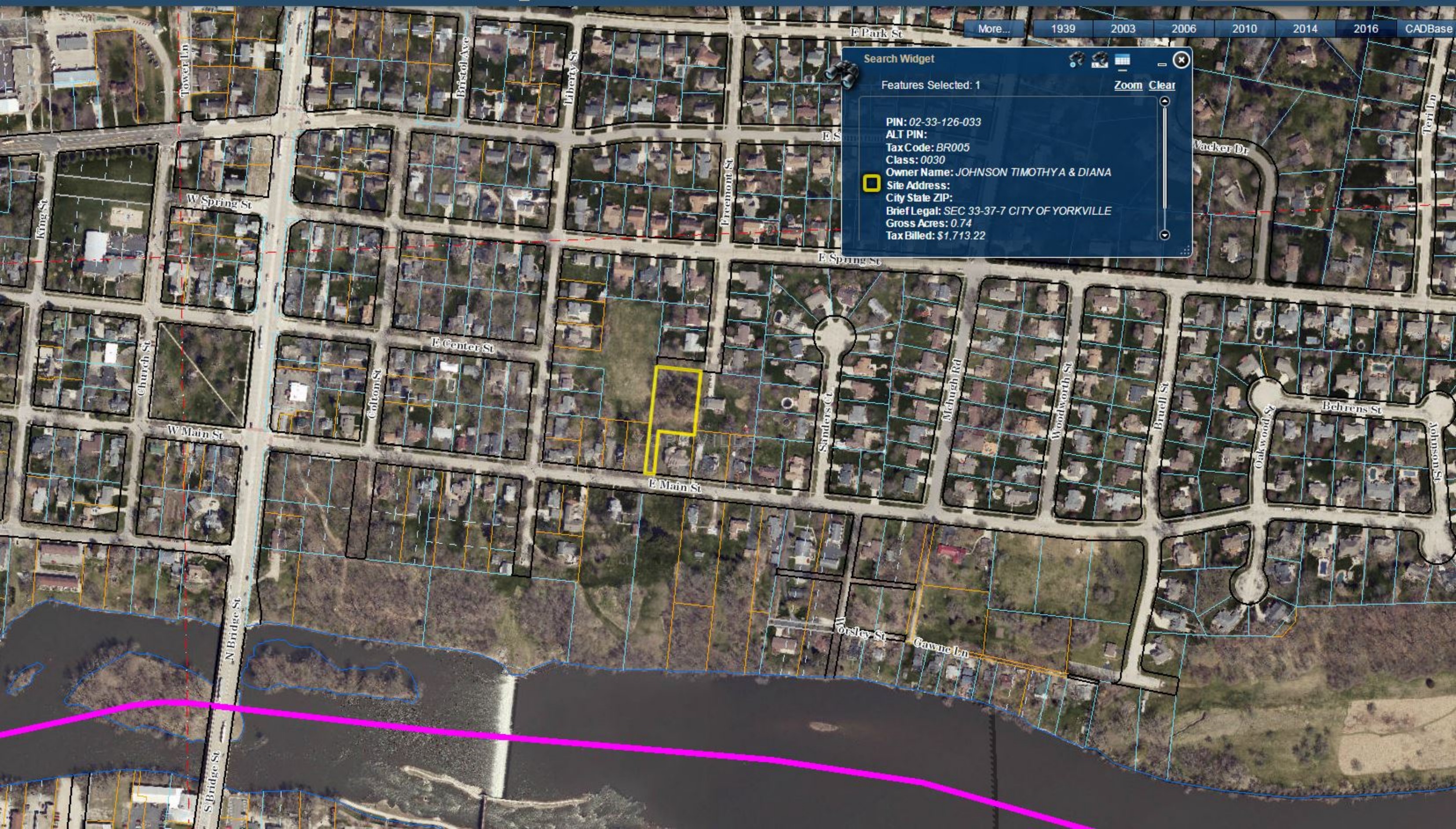
Agenda Item Notes:

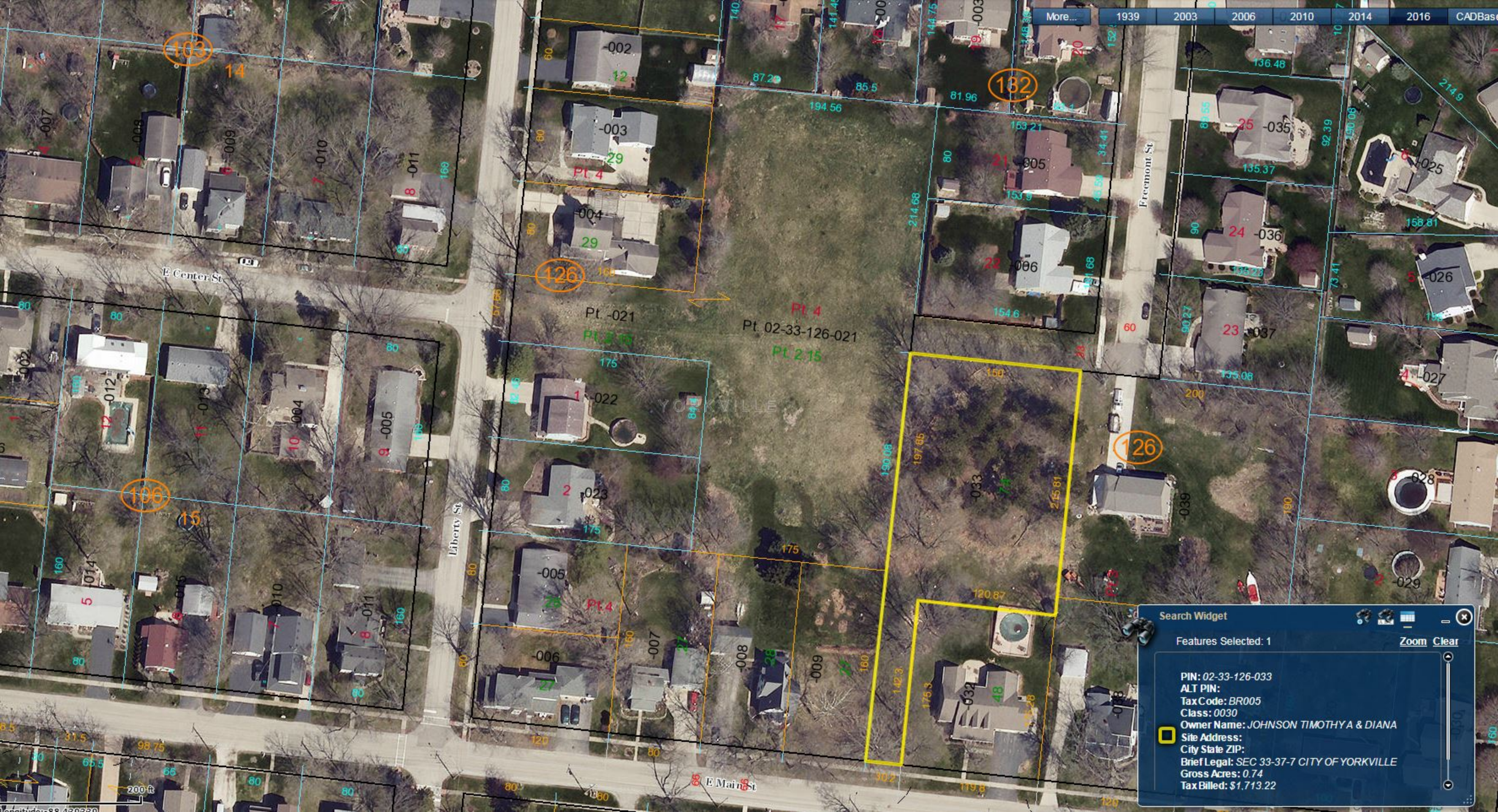
Search Widget

Features Selected: 1

Zoom Clear

PIN: 02-33-126-033
ALT PIN:
Tax Code: BR005
Class: 0030
Owner Name: JOHNSON TIMOTHYA & DIANA
Site Address:
City State ZIP:
Brief Legal: SEC 33-37-7 CITY OF YORKVILLE
Gross Acres: 0.74
Tax Billed: \$1,713.22





103

132

126

196

126

Pt. 02-33-126-021

YORKVILLE

E Center St

Liberty St

Fremont St

E Main St

Search Widget

Features Selected: 1 Zoom Clear

PIN: 02-33-126-033
 ALT PIN:
 Tax Code: BR005
 Class: 0030
 Owner Name: JOHNSON TIMOTHYA & DIANA
 Site Address:
 City State ZIP:
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 Gross Acres: 0.74
 Tax Billed: \$1,713.22



126

126

Pt. 4
Pt. 02-33-126-021
Pt. 2.15

Pt. -021
Pt. 2.15

1-022

2-023

-005

-033

PL3

Search Widget

Features Selected: 1 Zoom Clear

PIN: 02-33-126-033
 ALT PIN:
 Tax Code: BR005
 Class: 0030
 Owner Name: JOHNSON TIMOTHYA & DIANA
 Site Address:
 City State ZIP:
 Brief Legal: SEC 33-37-7 CITY OF YORKVILLE
 Gross Acres: 0.74
 Tax Billed: \$1,713.22

100 ft



Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input type="checkbox"/>
Engineer	<input checked="" type="checkbox"/>
City Administrator	<input checked="" type="checkbox"/>
Human Resources	<input type="checkbox"/>
Community Development	<input type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input checked="" type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #6

Tracking Number

PW 2018-61

Agenda Item Summary Memo

Title: Lead and Copper Rule Discussion

Meeting and Date: Public Works Committee – June 19, 2018

Synopsis: Discussion on the proposed lead and copper rule as it relates to Yorkville, per Alderman Frieders request.

Council Action Previously Taken:

Date of Action: _____ Action Taken: _____

Item Number: _____

Type of Vote Required: None, informational item

Council Action Requested: none

Submitted by: Eric Dhuse Public Works
Name Department

Agenda Item Notes:



Memorandum

To: Public Works Committee
From: Eric Dhuse, Director of Public Works
CC: Bart Olson, Administrator
Date: May 3, 2018
Subject: Legionella Discussion

Summary

A discussion of legionella testing costs and the preventative measures the City takes to prevent contaminants from entering our water system.

Background

The legionella pneumophila is the bacteria that causes Legionnaire's disease. This bacteria was first discovered in Philadelphia at a convention of the American Legion in 1976. This outbreak infected 221 people, and killing 34 of those that were infected. More recently, we have heard about the outbreaks at a state run veteran's home in Quincy. The most recent outbreak was attributed to an antiquated water system, and not the public water supply.

Testing for Legionella

At this time, we do not, and are not required to, test for legionella. However, there are private kits available to test water in your home that range in price from \$100-\$200 per test.

Although we do not test for legionella, this does not mean that we do not take precautions to prevent legionella, and a host of other elements, bacteria, and chemicals from getting into our drinking water. At the same time, we also comply with all Federal and State laws to remove certain elements from our water such as radium.

Distribution Time

Our water is pumped from 4 deep wells located throughout town. When the water is being pumped from deep underground, we run it through our cation exchange facility to remove radium and to soften the water. The next step is to add chlorine to disinfect the water and fluoride as required by law. The water is then pumped into our water towers to await distribution.

The distribution time is dependent on a few factors:

1. How far you are away from a water tower?
2. How large is the water tower that supplies your water?
3. Are you in a heavily populated area, or somewhat sparse?
4. Are there any large users on your distribution main?
5. How big is the distribution main that serves you?
6. Is it winter or summer?

For example, City Hall is very close to a water tower, has some big users on the distribution main, is in a populated area, and has a small water tower serving it. I would estimate that it is only a 6-12 hours between pumping the water from the ground to the tap. A longer time example would be Fox Hill. Even though there are large user on the distribution main, the water towers that serve them are the north tower at Bristol Bay and the Tower Ln. tower. Both

distribution mains are the largest we own which are 16" in diameter. This size main contains approximately 10 gallons per foot of pipe. In comparison, an 8" pipe, which is the typical subdivision water main, holds 2.6 gallons per foot. I would estimate that at the far end of the line, along Eldamain Rd. could take up to 2 days for the water to be used. With the addition of up to 48 units in Fox Hill Unit 7, the amount of time will reduce as the units fill up.

Other Precautions

Water movement throughout the system is a key factor to keeping our water fresh. We are able to move water throughout all pressure zones in the city. This allows us to equalize water usage across the zones which keeps water fresh.

In addition to circulation, we use back flow prevention devices to keep any water that has gone into a customer's structure does not get back into the public water supply. All but residential zoning has been required to install backflow prevention devices for decades. We started installing home units on all new installations and repairs in 2012.

I would ask that this be placed on the May 15, 2018 Public Works Committee agenda for discussion. If you have questions or need further information, please let me know.



Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input type="checkbox"/>
Engineer	<input checked="" type="checkbox"/>
City Administrator	<input checked="" type="checkbox"/>
Human Resources	<input type="checkbox"/>
Community Development	<input type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input checked="" type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #7

Tracking Number

PW 2018-62

Agenda Item Summary Memo

Title: Legionella Discussion

Meeting and Date: Public Works Committee – June 19, 2018

Synopsis: Discussion of the legionella bacteria as it relates to our public water supply, per Alderman Frieders request.

Council Action Previously Taken:

Date of Action: _____ Action Taken: _____

Item Number: _____

Type of Vote Required: None, informational item

Council Action Requested: none

Submitted by: Eric Dhuse Public Works
Name Department

Agenda Item Notes:



Memorandum

To: Public Works Committee
From: Eric Dhuse, Director of Public Works
CC: Bart Olson, Administrator
Date: May 3, 2018
Subject: Legionella Discussion

Summary

A discussion of legionella testing costs and the preventative measures the City takes to prevent contaminants from entering our water system.

Background

The legionella pneumophila is the bacteria that causes Legionnaire's disease. This bacteria was first discovered in Philadelphia at a convention of the American Legion in 1976. This outbreak infected 221 people, and killing 34 of those that were infected. More recently, we have heard about the outbreaks at a state run veteran's home in Quincy. The most recent outbreak was attributed to an antiquated water system, and not the public water supply.

Testing for Legionella

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Distribution Time

Our water is pumped from 4 deep wells located throughout town. When the water is being pumped from deep underground, we run it through our cation exchange facility to remove radium and to soften the water. The next step is to add chlorine to disinfect the water and fluoride as required by law. The water is then pumped into our water towers to await distribution.

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4. Are there any large users on your distribution main?
5. How big is the distribution main that serves you?
6. Is it winter or summer?

For example, City Hall is very close to a water tower, has some big users on the distribution main, is in a populated area, and has a small water tower serving it. I would estimate that it is only a 6-12 hours between pumping the water from the ground to the tap. A longer time example would be Fox Hill. Even though there are large user on the distribution main, the water towers that serve them are the north tower at Bristol Bay and the Tower Ln. tower. Both

distribution mains are the largest we own which are 16" in diameter. This size main contains approximately 10 gallons per foot of pipe. In comparison, an 8" pipe, which is the typical subdivision water main, holds 2.6 gallons per foot. I would estimate that at the far end of the line, along Eldamain Rd. could take up to 2 days for the water to be used. With the addition of up to 48 units in Fox Hill Unit 7, the amount of time will reduce as the units fill up.

Other Precautions

Water movement throughout the system is a key factor to keeping our water fresh. We are able to move water throughout all pressure zones in the city. This allows us to equalize water usage across the zones which keeps water fresh.

In addition to circulation, we use back flow prevention devices to keep any water that has gone into a customer's structure does not get back into the public water supply. All but residential zoning has been required to install backflow prevention devices for decades. We started installing home units on all new installations and repairs in 2012.

I would ask that this be placed on the May 15, 2018 Public Works Committee agenda for discussion. If you have questions or need further information, please let me know.



Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input checked="" type="checkbox"/>
Engineer	<input type="checkbox"/>
City Administrator	<input checked="" type="checkbox"/>
Human Resources	<input type="checkbox"/>
Community Development	<input type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input checked="" type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #8

Tracking Number

PW 2018-63

Agenda Item Summary Memo

Title: PW budget amendment to purchase truck body

Meeting and Date: Public Works Committee – June 19, 2018

Synopsis: Asking permission to carry over money from last year’s budget to purchase a new
Dump truck body for an existing truck

Council Action Previously Taken:

Date of Action: _____ Action Taken: _____

Item Number: _____

Type of Vote Required: Supermajority (6 out of 9)

Council Action Requested: Approval

Submitted by: Eric Dhuse Public Works
Name Department

Agenda Item Notes:



Memorandum

To: Bart Olson, Administrator
From: Eric Dhuse, Director of Public Works
CC: Rob Fredrickson, Finance Director
Date: May 22, 2018
Subject: Dump Truck Body Purchase

Summary

The Public Works Department would like to use money that was budgeted for last fiscal year (FY18), in the PW capital fund, which we were not able to spend. We would like to ask permission to spend that money now to purchase a new dump truck box to replace an old one.

Background

In FY 18, the public works department was budgeted \$45,000 for a new vehicle. As the year progressed, it was evident that other needs were more pressing than replacing a pickup truck. Instead, we ordered a removable tank system for one of our large dump trucks. This system allows us to remove the brine tanks from a truck in minutes to be able to use it for other tasks such as gravel hauling, and to use on water main breaks. In previous years, we have tried a number of different options to keep that truck available to use for all purposes. At first, we tried to empty the tanks and remove them each time we were finished with snow removal operations. Removing and reinstalling the tanks and associated lines proved to be very time consuming. In addition, it turned out that we did not have any other need for the truck until the next snowfall, so we would end up just taking it out and replacing it every time it snowed. We next progressed to just leaving the tanks out so the truck could easily be used for either snow removal or for water main breaks. Although this works, as far as being ready for both events all the time, but it doesn't work for anti-icing or pre wetting brine applications. This truck is on a normal route and should be performing these operations like the rest of the fleet. With the purchase of the tank removal system, we now have a truck that is truly ready for all winter duties.

Our original budget in the PW capital was \$45,000, the tank system cost \$20,821, leaving us with a balance of \$24,179 that was not spent in FY 18. The Public Works Capital cost center in the (25) Vehicle & Equipment Fund is currently projected to end FY 2018 with a positive fund balance of approximately \$35,000; thus, no additional chargeback proceeds would have to be transferred from the General Fund (i.e. Streets Dept.) to finance additional capital purchases in FY 19. I would propose to carry that money forward to purchase a new stainless steel dump body for one of our tandem axle dump trucks. This body is an exact copy of the current body that is on the truck, except the new body would be stainless steel instead of the original mild steel body that came with the truck in 2006. The current box has been patched where there were holes from use and wear and is rusting to the point where we need to repair the entire box or replace it. In addition to rust, we have also had a tailgate fabricated to replace the original which was warped to the point where it would not latch in place any longer. The new body would cost \$17,204.83 to purchase and have installed for us.

I am asking to purchase this body in an effort to extend the useful life of a truck that we use constantly and rely on heavily. When purchased in 2006, this truck was originally scheduled for replacement in 2013. With the downturn in the economy in 2007/2008, it was decided to freeze any replacement of vehicles until such time as the City could afford it again. According to our new replacement schedule, this vehicle is scheduled for replacement this year which, unfortunately, was not possible.

Recommendation

I recommend to purchase and have installed a new dump body from HD Truck Equipment, LLC of Plainfield, IL for a cost not to exceed \$17,204.83. If we carry the full \$24,179 from last year's budget, I would like to use the balance left over from the body purchase to replace other items on the truck with stainless steel or aluminum components to prevent further corrosion and prolong the life of the truck. These parts may include fuel tanks, air tanks, rims, hydraulic tank, and possibly the oil pan. I would ask that this be placed on the June 19, 2018 public works committee agenda for discussion. If you have any questions or need further information, please let me know.



HD Truck Equipment, LLC

23855 S. Aero Ct.
 Plainfield, IL 60585
 Phone: 815-254-7569
 Fax: 815-577-8504

Proposal

Date	Estimate #
4/23/2018	10761

This proposal is valid for 60 Days

City of Yorkville
 John Sleezer
 610 Tower Lane
 Yorkville, IL 60560

Attn: John

Item	Description	Qty	Terms		Rep		FOB	
			Due on receipt	Amount	BD	Plainfield IL	Extended Amount	
2074749	13' Select SS Dump Body - Per previous body specs S/N 3097241 84" Body ID - 96" Body OD 46" Front Height SS 34" Side Height SS 44" Rear Height SS 1/4" AR540 Steel Floor 1/4" A1011 Steel Frame Front to Floor Radius Manual Tailgate Release 3 Oval Rear light cutouts with LED lights (STT, Reverse, Strobe) Air Release Tail gate Sliding Patchgate Center of Tailgate			14,054.71			14,054.71	
Installation L...	Remove Existing Dump Body and rear hinge assembly - Prep for New Body and Hinge - Dispose of removed dump body and hinge	10		85.00			850.00	
Installation L...	Weld new hinge onto chassis and install dump body onto existing hoist and new hinge assembly	9		85.00			765.00	

We are pleased to submit this proposal for your review and acceptance.

Subtotal

Sales Tax (7.0%)

Total

Accepted By / Date _____



HD Truck Equipment, LLC

23855 S. Aero Ct.
 Plainfield, IL 60585
 Phone: 815-254-7569
 Fax: 815-577-8504

Proposal

Date	Estimate #
4/23/2018	10761

This proposal is valid for 60 Days

City of Yorkville
 John Sleezer
 610 Tower Lane
 Yorkville, IL 60560

Attn: John

Item	Description	Terms	Rep	FOB
		Due on receipt	BD	Plainfield IL
		Qty	Amount	Extended Amount
1774758	ASSY Cabshield 24" 10GA SS201 82"		1,055.16	1,055.16
Installation L...	Weld cabshield onto new dump body at proper height over cab	2	85.00	170.00
1283750	ASSY Hinge Large Weld (Std)		309.96	309.96
	*** Installed at our Location - Plainfield, IL ***			
	- Current Crysteel Lead Time 17.5 Weeks -			
	** Completion within 3 weeks of chassis and new equipment arrival **			

We are pleased to submit this proposal for your review and acceptance.

Subtotal	\$17,204.83
Sales Tax (7.0%)	\$0.00
Total	\$17,204.83

Accepted By / Date _____



QUOTATION
 Monroe Truck Equipment
 812 Draper Avenue
 Joliet, IL 60432
 Phone: 815-727-3134
 Fax: 815-727-5429
 Email: ējaakkola@monroetruck.com
www.monroetruck.com

Quote Number: 4ELJ001483
 Job Order Number:
 Quote Date: 4/17/2018
 Quote valid until: 5/17/2018
 Terms: NET 30
 Salesperson: MARKEL, TOM
 Quoted By: Erik Jaakkola

Customer: YORKVILLE, CITY OF, (8652800)
 610 TOWER LANE
 YORKVILLE, IL 60560

Contact: JOHN SLEEZER
Phone: 630-553-4352 **Fax:**
Email:

Dealer Code: _____

P.O. Number: _____

Accepted by: _____

Date: _____

Customer must fill out the information above before the order can be processed.

Chassis Information

Year: 2006	Make: INTERNATIONAL	Model: 7400	Chassis Color:	Cab Type:
Single/Dual: DRW	CA:	CT:	Wheelbase:	Engine: DIESEL
			F.O. Number #:	Vin:

Comments:

Monroe Truck Equipment, Inc. is pleased to offer the following quote for your review:

DESCRIPTION	AMOUNT
-------------	--------

BODY RECONSTRUCTED FROM:

P/N 14957539823 LG DUMP, TIPPER, 13', 10 YD S/N 3097241

13' CRYSTEEL STAINLESS STEEL SELECT DUMP 10 YARD

RECREATED PER SERIAL # OF ORIGINAL BODY

DOGHOUSE WILL FIT OLD HOIST

Front Material: 7GA STAINLESS STEEL

Side Material: 7GA STAINLESS STEEL

Rear Material: 7GA STAINLESS STEEL

Floor Material: 1/4 AR450 STEEL

Frame Material: 1/4 A1011 STEEL-1/4 A1011 STEEL

ALL LED - STOP/TAIL/TURN + REVERSE + WHELEN AMBER HIGHLIGHTERS (CONNECTED TO EXISTING WIRING/TOGGLE SWITCH) + TRI-BAR

NO OUTER PILLAR LIGHT BOXES - 3 OVAL LIGHT CUT-OUTS IN PILLARS ON BOTH SIDES

ASSY CABSHIELD 24" 10GA SS201 82"

QTY.1 - FACTORY INSTALLED STAINLESS SLIDING PATCHGATE 12" X 18"

FACTORY INSTALLED AIR TAILGATE (EN LIEU OF STANDARD MANUAL)

MONROE CONNECTED TO EXISTING AIR LINE

MARRY-UP INSTALL CRYSTEEL DUMP BODY TO EXISTING TELESCOPIC HOIST & NEW REAR HINGE UNDERBODY BLACKOUT

CUT OUT & WELD IN NEW HD REAR GREASABLE HINGE (SUGGESTED WHEN REPLACING OLD BODY

REMOVE / DISPOSE 5-15 YARD DUMP OFF OF HEAD-LIFT HOIST

Quote Total: \$19,454.00

Notes:

- ◆ Terms are Due Upon Receipt unless prior credit arrangements are made at the time of order.
- ◆ Please note if chassis is furnished, it is as a convenience and terms are Net Due on Receipt of Chassis.
- ◆ State and Federal taxes will be added where applicable. **Out-of-state municipal entities may be subject to Wisconsin sales tax.**
- ◆ Restocking fees may be applicable for cancelled orders.

Eric Dhuse

From: John Sleezer
Sent: Friday, April 27, 2018 12:46 PM
To: Eric Dhuse
Subject: truck body

Eric, I have sent the bid for the truck body to Mike Reed at Drake-Scruggs Inc, he doesn't seem interested in bidding this for us as he has not resonded with a bid yet. I do have two other bid for this work I will give to you. I will try to touch base with Mike one more time to see what his thoughts are on this. If you have any other questions please let me know.

Ordinance No. 2018-____

AN ORDINANCE AUTHORIZING THE FOURTH AMENDMENT TO THE ANNUAL BUDGET OF THE UNITED CITY OF YORKVILLE, FOR THE FISCAL YEAR COMMENCING ON MAY 1, 2018 AND ENDING ON APRIL 30, 2019

WHEREAS, the United City of Yorkville (the “City”) is a duly organized and validly existing non-home rule municipality created in accordance with the Constitution of the State of Illinois of 1970 and the laws of the State; and,

WHEREAS, pursuant to 65 ILCS 5/8-2-9.4, the City adopted Ordinance No. 2018-26 on April 10, 2018 adopting an annual budget for the fiscal year commencing on May 1, 2018 and ending on April 30, 2019; and,

WHEREAS, pursuant to 65 ILCS 5/8-2-9.6, by a vote of two-thirds of the members of the corporate authorities then holding office, the annual budget of the United City of Yorkville may be revised by deleting, adding to, changing or creating sub-classes within object classes and object classes themselves. No revision of the budget shall be made increasing the budget in the event funds are not available to effectuate the purpose of the revision; and,

WHEREAS, funds are available to effectuate the purpose of this revision.

NOW THEREFORE, BE IT ORDAINED by the Mayor and City Council of the United City of Yorkville, Kendall County, Illinois, as follows:

Section 1: That the amounts shown in Schedule A, attached hereto and made a part hereof by reference, increasing and/or decreasing certain object classes and decreasing certain fund balances in the Vehicle & Equipment fund with respect to the United City of Yorkville’s 2018-2019 Budget are hereby approved.

Section 2: This ordinance shall be in full force and effect from and after its passage and approval according to law.

Passed by the City Council of the United City of Yorkville, Kendall County, Illinois this
_____ day of _____, 2018.

CITY CLERK

CARLO COLOSIMO _____

KEN KOCH _____

JACKIE MILSCHEWSKI _____

ARDEN JOE PLOCHER _____

CHRIS FUNKHOUSER _____

JOEL FRIEDERS _____

SEAVER TARULIS _____

ALEX HERNANDEZ _____

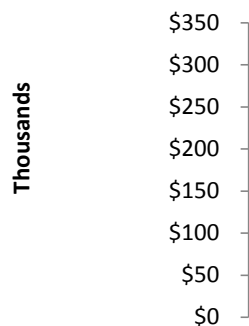
Approved by me, as Mayor of the United City of Yorkville, Kendall County, Illinois, this
_____ day of _____, 2018.

MAYOR

VEHICLE & EQUIPMENT FUND (25)

This fund primarily derives its revenue from monies collected from building permits, fines and development fees. Revenues are used to purchase vehicles and equipment for use in the operations of the Police, General Government, Public Works Street Operations and Park & Recreation departments.

	FY 2016 Actual	FY 2017 Actual	FY 2018 Budget	FY 2018 Projected	FY 2019 Adopted Budget	FY 2019 Amended Budget
Revenue						
Licenses & Permits	89,150	134,050	73,500	122,000	120,600	120,600
Fines & Forfeits	11,374	6,608	7,700	6,700	6,700	6,700
Charges for Service	374,386	236,948	246,565	260,116	107,861	216,652
Investment Earnings	43	86	80	150	150	150
Miscellaneous	53,073	259,697	2,000	1,583	2,000	2,000
Total Revenue	528,026	637,389	329,845	390,549	237,311	346,102
Expenditures						
Contractual Services	52,553	31,526	9,750	8,815	10,500	10,500
Supplies	-	-	2,000	1,583	36,411	36,411
Capital Outlay	506,175	264,262	515,141	249,910	157,000	266,420
Debt Service	73,034	73,034	73,034	73,034	73,034	73,034
Total Expenditures	631,762	368,822	599,925	333,342	276,945	386,365
Surplus (Deficit)	(103,736)	268,567	(270,080)	57,207	(39,634)	(40,263)
Ending Fund Balance	1,841	270,407	0	327,614	263,801	287,351
	0.3%	73.3%	0.0%	98.3%	95.3%	74.4%



United City of Yorkville
Vehicle & Equipment Fund

25

VEHICLE & EQUIPMENT FUND REVENUE

Account	Description	FY 2016 Actual	FY 2017 Actual	FY 2018 Budget	FY 2018 Projected	FY 2019 Adopted	FY 2019 Amended
Licenses & Permits							
25-000-42-00-4215	DEVELOPMENT FEES - POLICE CAPITAL	12,900	32,100	25,000	33,000	30,600	30,600
25-000-42-00-4216	BUILD PROGRAM PERMITS	43,410	28,700	-	-	-	-
25-000-42-00-4218	ENGINEERING CAPITAL FEES	3,250	8,600	6,000	9,000	12,000	12,000
25-000-42-00-4219	DEVELOPMENT FEES - PW CAPITAL	26,240	60,350	40,000	75,000	72,000	72,000
25-000-42-00-4220	DEVELOPMENT FEES - PARK CAPITAL	1,625	4,300	2,500	5,000	6,000	6,000
25-000-42-00-4224	RENEW PROGRAM PERMITS	1,725	-	-	-	-	-
Total:	Licenses & Permits	\$89,150	\$134,050	\$73,500	\$122,000	\$120,600	\$120,600
Fines & Forfeits							
25-000-43-00-4315	DUI FINES	10,803	5,865	7,000	6,000	6,000	6,000
25-000-43-00-4316	ELECTRONIC CITATION FEES	571	743	700	700	700	700
Total:	Fines & Forfeits	\$11,374	\$6,608	\$7,700	\$6,700	\$6,700	\$6,700
Charges for Service							
25-000-44-00-4418	MOWING INCOME	5,744	1,955	3,000	629	2,000	2,000
25-000-44-00-4419	COMMUNITY DEVELOPMENT CHARGEBACK	-	-	-	-	40,000	40,000
25-000-44-00-4420	POLICE CHARGEBACK	174,263	97,459	167,600	150,656	31,450	140,241
25-000-44-00-4421	PUBLIC WORKS CHARGEBACK	194,379	63,626	75,965	38,831	-	-
25-000-44-00-4427	PARKS & RECREATION CHARGEBACK	-	73,908	-	70,000	-	-
25-000-44-00-4428	COMPUTER REPLACEMENT CHARGEBACK	-	-	-	-	34,411	34,411
Total:	Charges for Service	\$374,386	\$236,948	\$246,565	\$260,116	\$107,861	\$216,652
Investment Earnings							
25-000-45-00-4522	INVESTMENT EARNINGS - PARK CAPITAL	43	86	80	150	150	150
Total:	Investment Earnings	\$43	\$86	\$80	\$150	\$150	\$150
Miscellaneous							
25-000-48-00-4852	MISCELLANEOUS INCOME - POLICE CAPITAL	624	435	-	-	-	-
25-000-48-00-4854	MISCELLANEOUS INCOME - PW CAPITAL	3,929	5,100	2,000	1,583	2,000	2,000
25-000-48-00-4855	MISCELLANEOUS INCOME - PARK CAPITAL	74	-	-	-	-	-
25-000-49-00-4920	SALE OF CAPITAL ASSETS - POLICE CAPITAL	3,475	5,990	-	-	-	-
25-000-49-00-4921	SALE OF CAPITAL ASSETS - PW CAPITAL	44,171	-	-	-	-	-
25-000-49-00-4922	SALE OF CAPITAL ASSETS - PARK CAPITAL	800	248,172	-	-	-	-
Total:	Miscellaneous	\$53,073	\$259,697	\$2,000	\$1,583	\$2,000	\$2,000
Total:	VEHICLE & EQUIP REVENUE	<u>\$528,026</u>	<u>\$637,389</u>	<u>\$329,845</u>	<u>\$390,549</u>	<u>\$237,311</u>	<u>\$346,102</u>

United City of Yorkville
Vehicle & Equipment Fund

215

PUBLIC WORKS CAPITAL EXPENDITURES

Account	Description	FY 2016 Actual	FY 2017 Actual	FY 2018 Budget	FY 2018 Projected	FY 2019 Adopted	FY 2019 Amended
Contractual Services							
25-215-54-00-5405	BUILD PROGRAM	32,510	25,950	-	-	-	-
25-215-54-00-5406	RENEW PROGRAM	1,200	-	-	-	-	-
25-215-54-00-5448	FILING FEES	1,901	294	1,750	245	1,750	1,750
	Total: Contractual Services	\$35,611	\$26,244	\$1,750	\$245	\$1,750	\$1,750
Supplies							
25-215-56-00-5620	OPERATING SUPPLIES	-	-	2,000	1,583	2,000	2,000
	Total: Supplies	\$0	\$0	\$2,000	\$1,583	\$2,000	\$2,000
Capital Outlay							
25-215-60-00-6060	EQUIPMENT	15,084	24,098	7,400	7,400	7,000	7,000
25-215-60-00-6070	VEHICLES	169,807	44,424	45,000	20,821	-	24,179
	Total: Capital Outlay	\$184,891	\$68,522	\$52,400	\$28,221	\$7,000	\$31,179
Debt Service - Public Works Building							
25-215-92-00-8000	PRINCIPAL PAYMENT	39,638	41,430	43,303	43,303	45,261	45,261
25-215-92-00-8050	INTEREST PAYMENT	31,177	29,385	27,512	27,512	25,554	25,554
	Total: Debt Service - PW Building	\$70,815	\$70,815	\$70,815	\$70,815	\$70,815	\$70,815
	Total: PW CAPITAL EXPENDITURES	<u>\$291,317</u>	<u>\$165,581</u>	<u>\$126,965</u>	<u>\$100,864</u>	<u>\$81,565</u>	<u>\$105,744</u>



Reviewed By:	
Legal	<input type="checkbox"/>
Finance	<input type="checkbox"/>
Engineer	<input checked="" type="checkbox"/>
City Administrator	<input type="checkbox"/>
Human Resources	<input type="checkbox"/>
Community Development	<input type="checkbox"/>
Police	<input type="checkbox"/>
Public Works	<input type="checkbox"/>
Parks and Recreation	<input type="checkbox"/>

Agenda Item Number

New Business #9

Tracking Number

PW 2018-64

Agenda Item Summary Memo

Title: Raintree Village – Units 4, 5 and 6 Basin Maintenance

Meeting and Date: Public Works Committee – June 19, 2018

Synopsis: Consideration of Encap proposal

Council Action Previously Taken:

Date of Action: _____ Action Taken: _____

Item Number: _____

Type of Vote Required: Supermajority (6 out of 9)

Council Action Requested: Consideration of Approval

Submitted by: Brad Sanderson Engineering
Name Department

Agenda Item Notes:

Have a question or comment about this agenda item?

Call us Monday-Friday, 8:00am to 4:30pm at 630-553-4350, email us at agendas@yorkville.il.us, post at www.facebook.com/CityofYorkville, tweet us at @CityofYorkville, and/or contact any of your elected officials at http://www.yorkville.il.us/gov_officials.php



Memorandum

To: Bart Olson, City Administrator
From: Brad Sanderson, EEI
CC: Eric Dhuse, Director of Public Works
Krysti Barksdale-Noble, Community Dev. Dir.
Lisa Pickering, Deputy City Clerk

Date: June 4, 2018
Subject: Raintree Village Units 4, 5 & 6 – Basin Maintenance

A quote from Encap was received to perform on-going maintenance work at the storm water management basins located with Units 4, 5 and 6. Encap performed initial maintenance work in 2014/2015 as part of the completion of improvements plus the maintenance work in 2017.

Sufficient funds remain in the subdivision completion budget to perform this work.

We did not solicit formal bids for this work for the following reasons:

- Encap is currently working for the homeowner's association in maintaining the basins in Units 1, 2 and 3 of the subdivision.
- Encap has a familiarity with the basins located in Units 4, 5 and 6.
- Encap has performed similar type of work for the City recently.

We recommend acceptance of the proposal from Encap, Inc. in the amount of \$38,550. If you have any questions or require additional information, please let us know.



2585 Wagner Ct.
 DeKalb, IL 60115
 Phone: 815.748.4500
 Fax: 815.748.4255
 www.encapinc.net

PROPOSAL NO. 18-0531C

May 31, 2018

United City of Yorkville
 800 Game Farm Road
 Yorkville, Illinois 60560
 c/o
 Brad Sanderson
 Engineering Enterprises, Inc.
 52 Wheeler Road
 Sugar Grove, Illinois 60554
 P: 630-466-6700 E:bsanderson@eeiweb.com

RE: Raintree Village Basins F, G, & H Maintenance - 2018 - Yorkville IL

#	DESCRIPTION OF WORK	UNIT	# OF UNITS	UNIT COST	COST
1	Basin F 2018 Maintenance	Visits	3	\$3,400.00	\$10,200.00
2	Basin G 2018 Maintenance	Visits	3	\$3,000.00	\$9,000.00
3	Basin H 2018 Maintenance	Visits	3	\$6,450.00	\$19,350.00
				TOTAL	\$38,550.00

Maintenance Visits includes spot mowing with weed whips and spot spraying of invasive species.

Proposal does not include prescribed burns.

Costs include prevailing wage rates.

Payment Agreement

United City of Yorkville, (hereinafter "Client") shall be solely liable for the timely payment of all amounts invoiced under this proposal. Invoices will be tendered by ENCAP, Inc. ("ENCAP") from time to time, but no more frequently than every two weeks, and shall be due and payable upon receipt. If Client objects to all or any portion of an invoice, Client shall nevertheless timely pay the undisputed amount of such invoice and promptly advise ENCAP in writing of the reasons for disputing any amount.

Client shall pay an additional charge of two (2) percent (or the maximum percentage allowed by law, whichever is lower) of the invoiced amount per month for any payment received by ENCAP more than thirty (30) calendar days from the date of the invoice, excepting any portion of the invoiced amount in dispute and resolved in favor of Client. Payments shall first be applied to accrued interest and then to the unpaid principal amount.

If Client fails to pay invoiced amounts within thirty (30) calendar days of the date of the invoice, ENCAP may at any time, without waiving any other claim against Client and without incurring any liability to Client, suspend or terminate performance under this Agreement as long as any hazardous conditions created by ENCAP'S previously performed services are rendered non-hazardous to Clients employee's, agents and subcontractors, the general public, and the environment. Termination shall not relieve Client of its obligation to pay amounts incurred up to termination. ENCAP shall be entitled to recover any and all costs of collection associated with recovery of amounts due under this Payment Agreement, including but not limited to reasonable attorney's fees.

Client will indemnify and hold harmless ENCAP and its representatives, agents, employees, and successors and assigns from and against any and all claims, suits, actions, losses, penalties, fines, and damages of any nature whatsoever, and shall pay any reasonable attorney's fees, expert witnesses fees, and ENCAP fees, and court costs arising or resulting from (1) Client's breach of this Agreement; or (2) Client's negligence or intentional misconduct.

Client shall accept full responsibility for payment notwithstanding any other agreement with owner or other party, and in no event will any provision in a contract, agreement, or understanding which conditions Client's payment to ENCAP upon receipt of the payment from any other party relieve Client from responsibility for payment to ENCAP.

By: ENCAP, Inc.

By: United City of Yorkville

Jonathan Koepke

Date

Authorized Rep.

Date