


VILLAGE OF LOMBARD
REQUEST FOR BOARD OF TRUSTEES ACTION
For Inclusion on Board Agenda

_____ Resolution or Ordinance (Blue) _____ Waiver of First Requested
 X Recommendations of Boards, Commissions & Committees (Green)
_____ Other Business (Pink)

TO: PRESIDENT AND BOARD OF TRUSTEES
FROM: Scott R. Niehaus, Village Manager
DATE: September 11, 2019 (COW) (B of T) **Date:** Septemer 19, 2019
TITLE: Request for Board Policy Variation – Backyard Drainage Program
SUBMITTED BY: Carl Goldsmith, Director of Public Works 

BACKGROUND/POLICY IMPLICATIONS:

A recommendation from the Public Works & Environmental Concerns Committee to approve a variation to the Village Board Policy #4D in order to allow a maximum reimbursement of \$7,200 rather than the \$5,000 for the residents of 100 block of West Windsor and 100 block of North Lincoln.

FISCAL IMPACT/FUNDING SOURCE:

Review (as necessary):
Village Attorney X _____ Date _____
Finance Director X _____ Date _____
Village Manager X _____ Date _____


NOTE: All materials must be submitted to and approved by the Village Manager's Office by 12:00 noon, Wednesday, prior to the Agenda Distribution.



September 11, 2019

TO: Village President and Board of Trustees

THROUGH: Scott Niehaus, Village Manager

FROM: Carl Goldsmith, Director of Public Works 

SUBJECT: Request for Variation – Backyard Drainage Grant

Background

The Village of Lombard created the Backyard Drainage Grant program with the intent to eliminate flood-prone backyards through cooperative efforts by the Village of Lombard and effected residents. The program is created, and exists, through a Village Policy (4.D.). The program is jointly administered by the Public Works Department and the Community Development Department. The program is funded through the Water and Sewer Capital Fund at a level of \$20,000 annually.

Like all grant programs created by a Village Board Policy, the Backyard Drainage Grant program has established eligibility requirements and procedures that assist staff in administering the grant programs. A copy of the program guidelines is attached for your consideration and review. A summary of the criteria can be found below:

- The program requires that two or more contiguous properties are directly affected by backyard flooding and experience standing water for more than 72 hours following a storm event.
- Eligible costs may include surveying, engineering, permits, and construction work and restoration.
- Drainage systems must include an appropriate restrictor.
- After passage of final inspections, the Village will reimburse the applicants for 50% of the project costs up to a maximum of \$5,000.
- "Direct" or "indirect" connections to combined and sanitary sewer systems are prohibited by current Village ordinance and will not be eligible for the grant program.

- Improvements constructed on private property will be operated and maintained by the property owners.

The Village has been in discussions with the property owners in the 100 block of W. Windsor and 100 block of N. Lincoln regarding flooding and stormwater issues. The property owners have met with Village staff on possible solutions to address their concerns relative to the stormwater and flooding issues. The issues affect the following properties:

- 141 West Windsor
- 139 West Windsor
- 135 West Windsor
- 131 West Windsor
- 125 North Lincoln
- 121 North Lincoln
- 117 North Lincoln
- 140 West Grove
- 138 West Grove
- 134 West Grove
- 130 West Grove
- 126 West Grove

The residents in the area have documented the flood conditions to support the drainage program. The plan is to tie in a 6" storm sewer to the rear yard of 134 W. Grove and install a 24" inlet in the low spot of the property. The residents have provided a topographic map showing the location of the proposed improvement that would have a positive impact on twelve (12) properties.

Due to the scope of the project and the cost estimate of the project, which is \$14,400, Scott Zatt (134 W. Grove) has requested a deviation from the guidelines established by the Backyard Drainage Grant Policy. The resident(s) are requesting that the Village grant a waiver from the requirements of the Backyard Drainage Grant Program. The requested deviation from the policy is as follows:

- A variation from Section II.F., which establishes the maximum amount of reimbursement at \$5,000 per project. The residents are seeking a 50% reimbursement for the estimated \$14,400 project for a total reimbursement of \$7,200.

Staff has reviewed the submitted material from the property owner/applicant. Please note that no formal application has been made to date. The request for additional funding has been submitted prior to the Village approving plans for the project. The Village established the Backyard Drainage Grant Program in December 1999. Since the establishment of the program, there have been fifty-three (53) grant applications funded by the Village. In each case, there were two or more properties that benefited and in each case, the maximum reimbursement was capped at

\$5,000 per the policy. The policy was developed and is implemented in a manner to preserve consistency and equality.

This matter was presented to the Public Works and Environmental Concerns Committee at their September 10, 2019 meeting. The Committee unanimously supported the granting of the deviation from the Village Board Policy and providing funding in excess of the maximum per the Backyard Drainage Grant Program

Recommendation

The Public Works and Environmental Concerns Committee and staff recommend that the Village Board of Trustees approve a deviation to the Backyard Drainage Grant Program and provide funding in an amount not to exceed \$7,200 for the private property improvements in the 100 block of W. Windsor and 100 block of N. Lincoln to address flooding and stormwater issues.

Date: August 19, 2019

To: Village of Lombard Public Works and Environmental Concerns Committee

From: Scott Zatt, 134 W. Grove Street, Lombard

Re: Request for \$2,200 Additional Grant for a Drainage Project for the Backyards of:

- 1) 141 West Windsor
- 2) 139 West Windsor
- 3) 135 West Windsor
- 4) 131 West Windsor
- 5) 125 North Lincoln
- 6) 121 North Lincoln
- 7) 117 North Lincoln
- 8) 140 West Grove
- 9) 138 West Grove
- 10) 134 West Grove
- 11) 130 West Grove
- 12) 126 West Grove

Dear Sirs and Madams,

I recently submitted an application for the Backyard Drainage Grant Program.

The current 50% grant is limited to a maximum payout of \$5,000, and is eligible if standing water is present for 72 hours, and it affects two properties.

The backyard drainage project for our neighborhood has standing water for much longer than 72 hours and affects 12 properties. Flooding in this area occurs multiple times each year and has done so every year for the 25 years we have lived in our house. Over the past 5 or so years the flooding has occurred more frequently and the standing water remains longer.

As evidence of the standing water, refer to the attached photos. For example, Photos 2A and 2B show extensive standing water remaining, over multiple properties, even after 96 hours from the first photo of this area, Photo 2. Photo 2 was taken on June 23, 2018 and Photos 2A and 2B were taken on June 27, 2018.

The standing water in this area is deep and often remains for weeks during spring months. Ducks have been seen swimming in the standing water and during winter months children have skated on this area. As picturesque as this sounds, the area is a haven for mosquitoes, bad odors, and the cause for destruction of landscaping to many properties. Neighbors have backyard patios and children play areas very close to the area of standing water.

On the attached DuPage County topography map the closed loop elevation of 694, the area of flooding, is highlighted, and the 12 properties with standing water are labeled. Even the adjoining properties without standing water are affected by the mosquitoes, unsightliness and odors.

In planning this project, additional effort was taken to minimize the cost. Even though only two estimates were suggested, quotes were requested from five plumbing contractors with experience in sewer work. Two of the plumbing contractors, both from the Village of Lombard list of approved contractors, declined to provide a quote after visiting the site, stating the project was too large for them. Three quotes were obtained, and the lowest bidder was selected. See the attached three quotes. The highest was \$19,125 and the lowest was \$14,400.

Since the project is so large and impacts so many properties, and additional effort was made to reduce cost by selecting the lowest bidder from the larger than requested number of bidders, I respectfully request that the grant cover 50% of the \$14,400 cost of the project, equaling \$7,200 (\$2,200 over the current \$5,000 maximum).

Sincerely,

A handwritten signature in black ink, appearing to read "Scott Zatt", with a stylized flourish extending to the right.

Scott Zatt
134 W. Grove St., Lombard

BACKYARD DRAINAGE GRANT PROGRAM
 VILLAGE OF LOMBARD, ILLINOIS Board of Trustees POLICY MEMORANDUM 00-1
Application Form (Last revised 3/2/00)

Part 1 – PROJECT SPONSORS Date: 8/16/19
 By signing, the sponsor and co-sponsors certify, under penalty of law for misrepresentation, that the attached documentation demonstrates that their property is subjected to at least 72 hours of standing water.
 Sponsor: SCOTT ZATT Phone: (day) 630-207-8526 (evening) SAME
 Address: 134 W. GROVE ST Lombard, IL 60148 Signature: [Signature]
 Co-sponsors agree that sponsor is duly authorized to communicate with the Village on their behalf.
 Co-Sponsor: Dave Schroeder Street Address: 121 N Lincoln Ave.
 Signature: [Signature]
 Co-Sponsor: _____ Street Address: _____
 Signature: _____
 Co-Sponsor: _____ Street Address: _____
 Signature: _____
 Co-Sponsor: _____ Street Address: _____
 Signature: _____

Part 2 – EVIDENCE OF STANDING WATER FOR 72 HOURS AFFECTING 2 OR MORE PROPERTIES
 How often does the property collect water that remains for at least 72 hours? 4-6 TIMES PER YEAR
 How many properties are effected? 12 How many years has it flooded? 25+ YEARS
 Please attach photos, statements, inspections, or any other evidence that this property has experienced backyard drainage problems resulting in standing water for 72 hours affecting at least 2 properties. The Village of Lombard may require that a property inspection be performed prior to grant approval.
 The included information is true to the best of our knowledge: [Signature]
 Signature of Sponsor

Part 3 – PLAN APPROVAL Attach approved plan from Community Development Department.
 Signature of Community Development Official _____ Print Name _____ Date / /

Part 4 – COST ESTIMATE Attach contractor's proposal. We suggest at least two (2) estimates be obtained. The cost estimate for the proposed work is \$ 14,400 LOWEST BID OF 3

Part 5 – GRANT APPROVAL Approved for 50% of system costs not to exceed \$5,000.
 Signature of Public Works Official _____ Print Name _____ Date / /

Part 6 – PERMITS For pumping systems: Plumbing permit and electrical permit has been issued by Bureau of Inspectional Services and fees paid. Attach documentation.
 Bureau of Inspectional Services (BIS) _____ Print Name _____ Date / /

Part 7 – CERTIFICATION OF FINAL INSPECTION
 Bureau of Inspectional Services (BIS) _____ Print Name _____ Date of Final Inspection / /
 Community Development Department _____ Print Name _____ Date of Final Inspection / /

Part 8 – PROJECT COMPLETE; REQUEST FOR REIMBURSEMENT Drainage work is finished to our complete satisfaction; contractors are paid in-full; and we are requesting reimbursement for the approved grant amount. Final project cost was \$ _____ Attach documentation & and complete reverse side.
 Signature of Sponsor _____ Print Name _____ Date / /

Part 9 – AUTHORIZATION FOR REIMBURSEMENT Approved for reimbursement in the amount of \$ _____ for backyard drainage work performed in accordance with Board of Trustees Policy Memorandum 00-1.
 Signature of Public Works Official _____ Print Name _____ Date / /

REIMBURSEMENT AGREEMENT

Date: 8/16/19

To: Public Works Department

From: Backyard Drainage Project Sponsor and Co-sponsors

Subject: Agreed reimbursement amounts

We agree to the following distribution of reimbursement amounts for project costs:

Please print CLEARLY:

Sponsor <u>SCOTT ZATT</u>	\$ <u>14,400</u>	or <u>100</u> %	Signature <u>[Signature]</u>
Address _____		Lombard, IL 60148	

Co-Sponsor _____	\$ _____	or _____ %	Signature _____
Address _____		Lombard, IL 60148	

Co-Sponsor _____	\$ _____	or _____ %	Signature _____
Address _____		Lombard, IL 60148	

Co-Sponsor _____	\$ _____	or _____ %	Signature _____
Address _____		Lombard, IL 60148	

Co-Sponsor _____	\$ _____	or _____ %	Signature _____
Address _____		Lombard, IL 60148	

Co-Sponsor _____	\$ _____	or _____ %	Signature _____
Address _____		Lombard, IL 60148	

REIMBURSEMENT PAYMENT APPROVAL

For Village staff use:		Acct# 7901.756420 Proj# 5517
Approved: _____	_____ / ____ / ____	
Director of Public Works	Date	
Approved: _____	_____ / ____ / ____	
Finance Director	Date	
Approved: _____	_____ / ____ / ____	
Village Manager	Date	

G.SNOW & SONS
107 PAUL ST. UNIT D
ELBURN, IL 60119
PH 630-365-0988

PROPOSAL

Date	Proposal
6/20/2019	3229

Name / Address
SCOTT ZATT 134 W GROVE ST LOMBARD, IL 60148

P.O. No.	Terms	Project
630-207-8526	30 DAYS	STORM SEWER

Description	Qty	Rate	Total
HRS. MOBILIZATION	6		0.00
FT TO BORE 4" POLY PIPE INCLUDED FROM PARKWAY OF 121 LINCLON ST ALONG FENCELINE TO REAR OF YARD MAX 1% SLOPE.	185		0.00
HRS. TOOL TRUCK & LABOR TO CORE INLET MAKE CONNECTIONS.	32		0.00
HRS MINI EXCAVATOR TO TRENCH 30 FT TO EXISTING STRUCTURE AT 121 LINCOLN ST AND ACROSS BACK YARD AT 134 GROVE TO LOW AREA	32		0.00
FT STORM SEWER 4" SDR 26 FOR DIG IN PARKWAY ON LINCOLN AND IN BACK YARD OF GROVE TO LOW AREAS	125		0.00
2"INLET W/FRAME FOR LOW AREA IN YARD	1		0.00
NO LANDSCAPING OR PERMITS. NO RESTORATION. ELEVATIONS, AND SURVEY NEEDS TO BE DONE PRIOR TO WORK STARTING. NO LAYOUT OF PIPING. NO BLACKTOP/CONCRETE REPAIR			
PRICE FOR ALL ABOVE ITEMS LISTED.	1	19,125.00	19,125.00
EXCLUDES- WET,FROST,ASBESTOS,BED ROCK,PERMITS,CONCRETE,CONTAMINATED SOIL,TESTING SOIL,HAULING,BONDS,		Total	\$19,125.00

Print name _____
 Title _____

Signature _____

Date _____ CUSTOMER HAS 3 DAYS TO TERMINATE PROPOSAL AFTER SIGNING. RATES ARE GOOD FOR 30 DAYS. 2% ADDED TO INVOICE 60 DAYS PAST DUE. PAST DUE ACCOUNTS LIABLE FOR ALL LEGAL AND COLLECTION FEES.



REVISION #2
June 27, 2019

Scott Zatt
134 W Grove
Lombard, IL
630.207.8526
SZATT2@GMAIL.COM

JOB ADDRESS: 134 W Grove St., Lombard, Illinois

Revised estimate is going through property at 121 Lincoln. There is approx. 12" pitch from the storm sewer to the proposed basin in the back yard. Tree and Landscaping removal will be necessary. Project could be completed as follows as long as there are no conflicts with existing utilities.

STORM SEWER

- One street opening
- One 6" tap (core & boot)
- Install approx. 310 ft. of 6" PVC
- Install Two Cleanouts
- Install Two 24" diameter basins
- Haul excess spoil
- Stone bedding
- Tree to be removed by others
- Landscaping restoration by others
- Remove fence as necessary - Replacement by others

Storm Sewer	\$13,900.00	\$15,700
Street Patch	\$1,800.00	
Black Dirt & Seed	\$3,150.00	

Permits and Fees are Not Included in the Estimate

If the estimate is accepted: Please sign and return a copy to our office.

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from specifications involving extra costs will be executed only upon written orders and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents, or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. We will not be held responsible for underground utilities when saw cutting or digging is part of the proposal; saw cutting to be no more than 6" thick. Our workers are fully covered by Workman's Compensation Insurance. We may withdraw this proposal if not accepted within 30 days. Payment to be made upon completion of work. *The proposal does not include village financial institution or processing fees. Any and all additional fees will be added to the final payment.*

We accept Cash, Check, Visa, MasterCard, or Discover. A 3% Fee will be added to all credit card charges.

Acceptance of Proposal: The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Signature: _____ Date: _____

Printed name: _____

318 Interstate Road Addison, IL 60101-4516 Phn: 630-543-5250 Fax: 630-543-0605
License # 055-014062 Web: russplumbing.com
NEW EMAIL ADDRESS: Email: info@russplumbing.com



www.AMP.Plumbing



1361 63rd Street
Lagrange Highlands Il
60525
INFO@AMP.PLUMBING
www.AMP.PLUMBING
708-784-6336
Licence # 055-044179

American Municipal Private Plumbing

Estimate

For: Scott Zatt
szatt2@gmail.com
134 W Grove St
Lombard, IL, 60148

Estimate No: 365
Date: 05/31/2019

Description	Amount
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A.M.P proposes the following for address listed below 134 W Grove & 121 N Lincoln	\$14,400.00
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Saw cut and open street in front of 121 N Lincoln
Excavate down to city storm sewer
Install 1 - 6" sewer tap
Install approximately 270' of 6" sdr directly through address 121 Lincolns yard
Install 1-24" inlet in low spot of address 121 N Lincoln
Continue in to yard of 134 W Grove
Install 1-24" inlet in low spot of 134W Grove yard
Haul away spoil
Street patch
Remove fencing as needed
Installation of fencing to be done by others
Lawn and yard restoration to be done by others

This will allow only two yards to be disrupted during project and two fences to be removed.

American Municipal Private Plumbing - Estimate 365 - 05/31/2019

Subtotal	\$14,400.00
Total	\$14,400.00

Total	\$14,400.00
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Notes

Permit fees and other village fee are not included in price
Any work outside this will be a extra charge
Please sign and return for acceptance of this contract

American Municipal Private Plumbing


Client's signature



Photo 1 - June 23, 2018 - This photo shows standing water in the backyards of 134 W. Grove, 130 W. Grove St., and 128 W. Grove Street. The properties on the other side of the fence are; 131 W. Windsor, 127 W. Windsor.



Photo 1A - June 27, 2018 - This photo shows standing water four days later in the backyards of 134 W. Grove, 130 W. Grove St., and 128 W. Grove Street. The properties on the other side of the fence are; 131 W. Windsor, 127 W. Windsor.



Photo 2 - June 23, 2018 - This photo shows standing water in the backyard of 134 W. Grove St., 139 W. Windsor and 135 W. Windsor.



Photo 2A - June 27, 2018 - This photo shows standing water four days later in the backyards of 134 W. Grove St., 139 W. Windsor and 135 W. Windsor.



Photo 2B - June 27, 2018 - This photo shows standing water four days later in the backyards of 134 W. Grove St., and 135 W. Windsor.



Photo 3 - June 23, 2018 - This photo shows standing water primarily in the backyard of 130 W. Grove St.



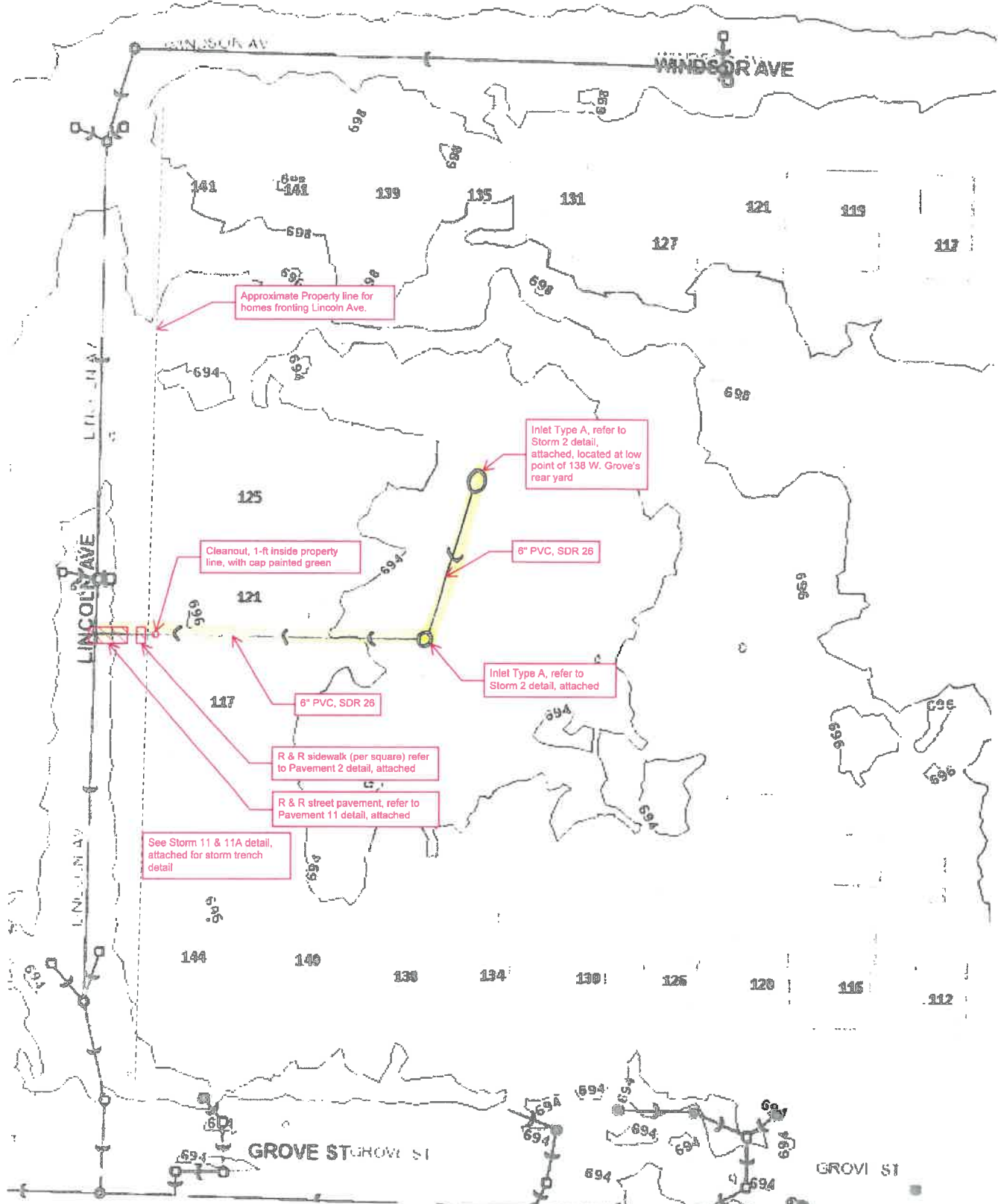
Photo 4 - June 23, 2018 - This photo shows standing water in the backyard of 130 W. Grove, closer to the house.



Photo 4A - June 27, 2018 - This photo shows standing water four days later in the backyard of 130 W. Grove, closer to the house.



Photo 5 - June 23, 2018 - This photo shows standing water on the west side of the backyard of 134 W. Grove Street. The properties with standing water on the other side of the fence include; 138 W. Grove Street, 121 N. Lincoln and 125 N. Lincoln.



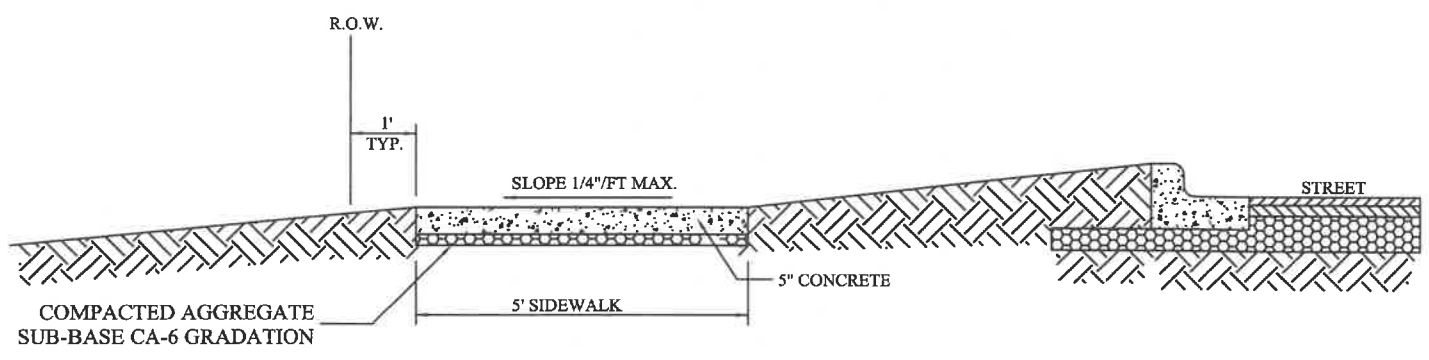
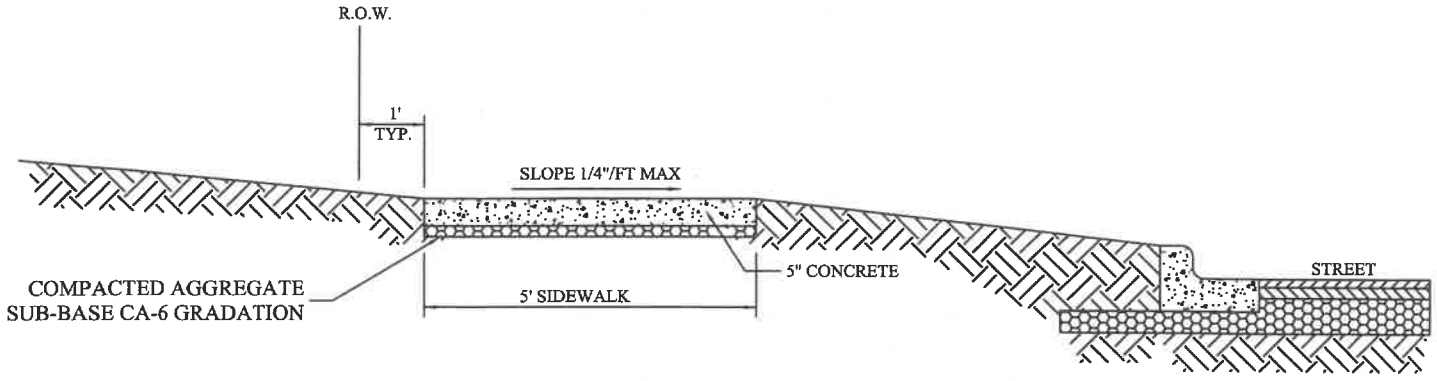
NOTICE:
 THE CONSTRUCTION COVERED BY THIS PERMIT SHALL NOT ALTER THE GRADING OF THE PREMISES OR BLOCK ANY DRAINAGE SO AS TO ADVERSELY IMPACT ON ADJACENT PROPERTIES. ALL EXCAVATED MATERIALS SHALL BE REMOVED FROM THE PREMISES UNLESS PRIOR APPROVAL HAS BEEN GRANTED BY THE VILLAGE ENGINEERING DEPARTMENT.

VILLAGE OF LOMBARD
 Private Engineering Services

APPROVED
 APPROVED AS CORRECTED
 REVISE AND RESUBMIT

CONDITIONS: private storm sewer & connection

BY: Bryant DATE: 8/28/2019



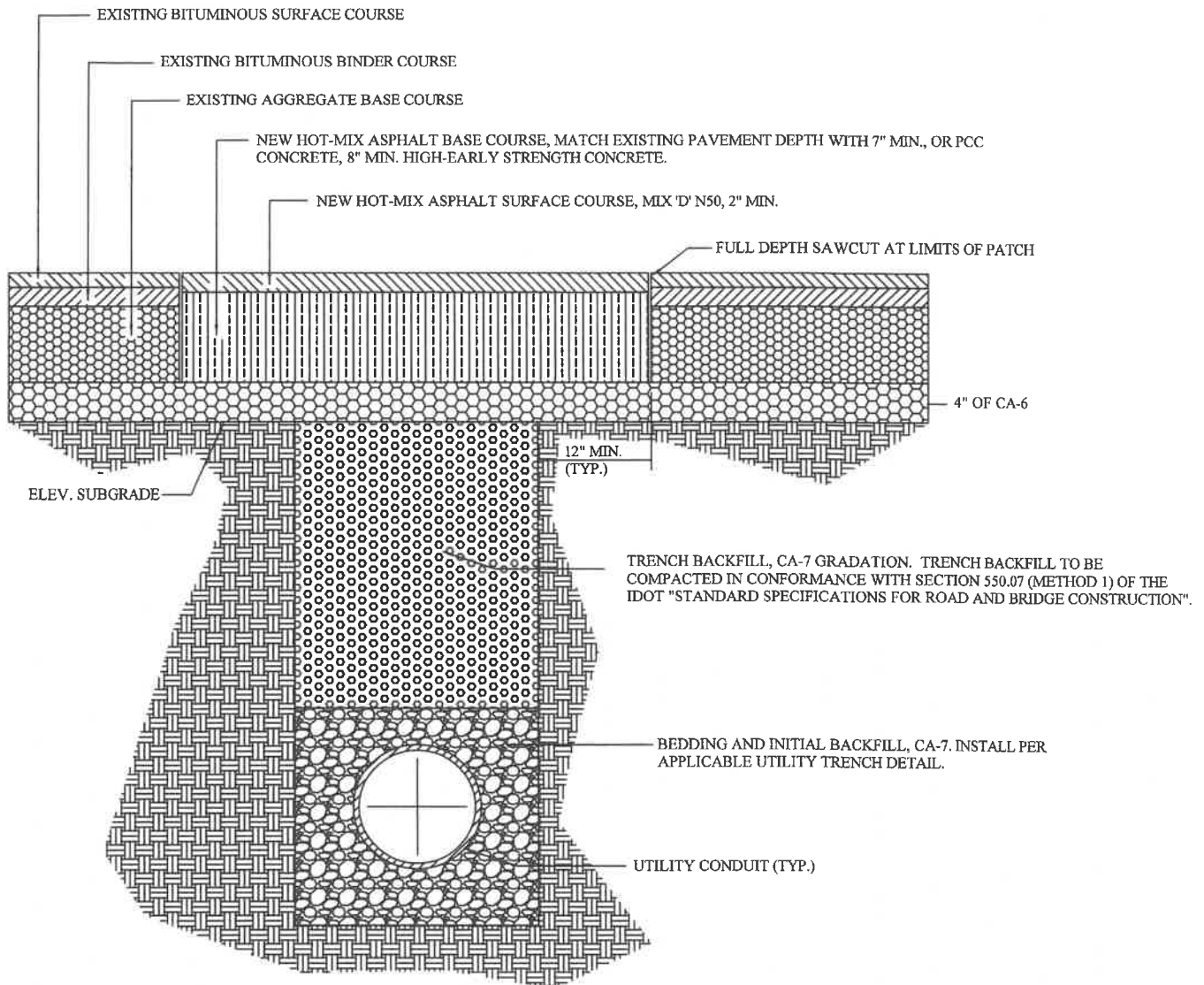
GENERAL NOTES:

1. CONCRETE SHALL BE CLASS SI
2. MINIMUM SIDEWALK THICKNESS SHALL BE FIVE INCHES (5").
3. SIDEWALK THICKNESS ACROSS DRIVEWAYS SHALL BE SIX INCHES (6") MINIMUM FOR RESIDENTIAL DRIVEWAYS, AND EIGHT INCHES (8") MINIMUM FOR NON-RESIDENTIAL DRIVEWAYS
4. MAXIMUM LONGITUDINAL SLOPE SHALL NOT EXCEED 6% (16:1)
5. MAXIMUM TRANSVERSE SLOPE SHALL NOT EXCEED 2% (1/4"/FT.)
6. A TWO INCH (2") MINIMUM AGGREGATE SUB-BASE (CA-6 GRADATION) SHALL BE PROVIDED
7. AGGREGATE SUB-BASE COURSE SHALL BE MECHANICALLY COMPACTED.
8. ALL SIDEWALK SHALL BE PROMPTLY BACKFILLED AND PROTECTED FROM DAMAGE.

REV.:	DRG	REV.:	02-05-15
REV.:	ERH	REV.:	03-26-99
DRAWN BY:	VJGL	DATE:	02-16-98
H:\HOMELAOANG\DRAWINGS\DETAIL\SCH400\PAVE-2.DWG			

SIDEWALK

VILLAGE OF LOMBARD
PAVEMENT 2



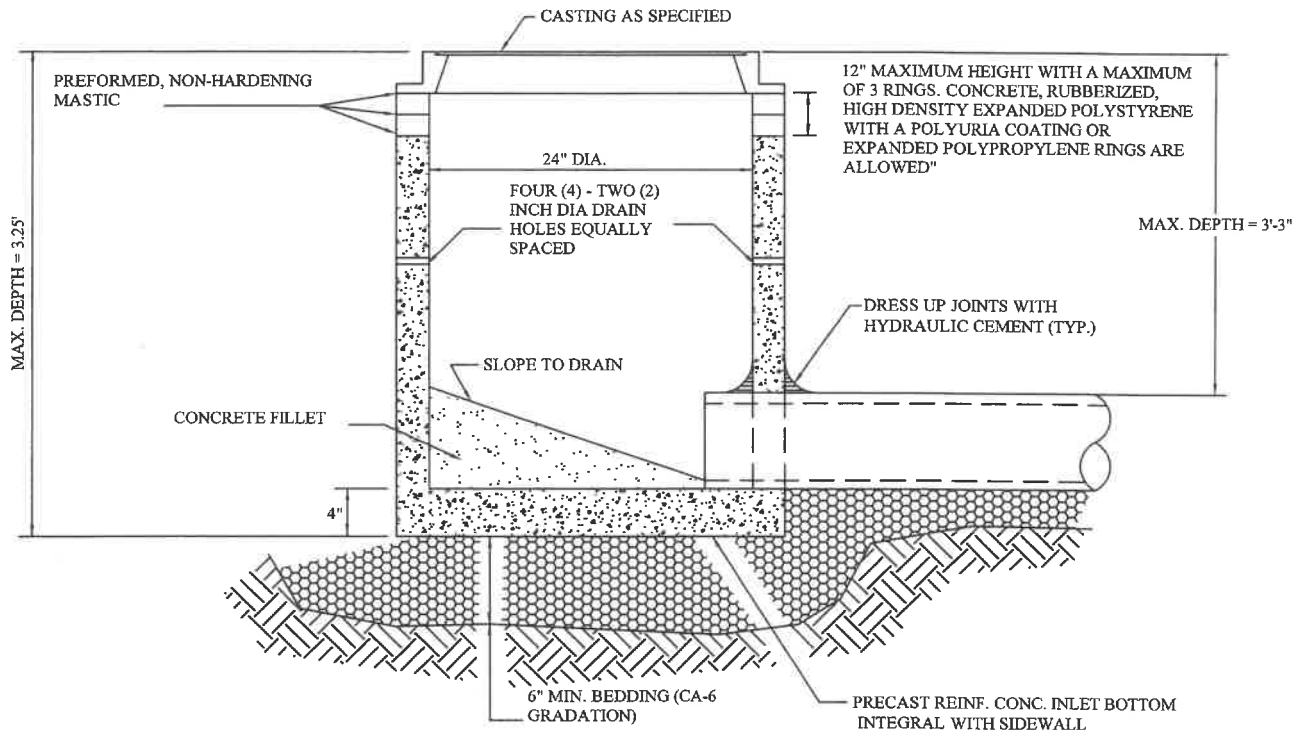
GENERAL NOTES:

1. PAVEMENT SHALL NOT BE OPENED WITHOUT FIRST RECEIVING A PERMIT FROM THE DEPARTMENT OF PUBLIC WORKS.
2. THE TRENCH SHALL BE BACKFILLED WITH AGGREGATE (CA-6 GRADATION) AND COMPACTED TO 95% OF THE STANDARD PROCTOR DENSITY. TRENCH SPOIL OR EXCAVATED MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR AT HIS EXPENSE.
3. PRIOR TO PAVING, THE EXPOSED EDGES OF ALL EXISTING PAVEMENT SHALL BE SAWCUT FULL DEPTH TO PROVIDE A SMOOTH, CLEAN VERTICAL EDGE, FREE OF LOOSE MATERIAL.
4. EXCAVATIONS SHALL BE PROTECTED BY BARRICADES WITH FLASHING LIGHTS, AT LOCATIONS WHERE ADJUSTMENTS ARE LOCATED IN TRAVEL LANES, A ONE-INCH (1") STEEL PLATE SHALL BE PLACED AND MAINTAINED BY THE CONTRACTOR UNTIL THE SURFACE RESTORATION IS COMPLETE. THE PLATE SHALL BE PROTECTED FROM SLIDING AND TRANSITIONED WITH BITUMINOUS RAMPS AS REQUIRED. BARRICADES AND STEEL PLATES SHALL BE PRESENT AT THE WORK SITE PRIOR TO THE ROAD OPENING.
5. MINIMUM WIDTH OF A PATCH SHALL BE 4.0 FEET. ALL PATCHES SHALL BE FULL-DEPTH IN A RECTANGULAR SHAPE.

REV.:	JKB	REV.:	4-23-18
REV.:	DRG	REV.:	4-20-17
REV.:	DRG	REV.:	5-4-15
DRAWN BY:	VJGL	DATE:	2-16-98

FLEXIBLE PAVEMENT
UTILITY TRENCH

VILLAGE OF LOMBARD
PAVEMENT 11



GENERAL NOTES:

1. ONLY PRECAST REINFORCED CONCRETE BARREL AND RISER SECTIONS ARE ALLOWED.
2. PROVIDE CA-6 BACKFILL AROUND INLET TO SUBGRADE ELEVATION IN PAVED AREAS.
3. WHEN THE FRAME DOES NOT MEET THE PROPOSED ELEVATION, ADJUSTING RINGS SHALL BE USED FOR FINAL ADJUSTMENT. A MAXIMUM OF THREE ADJUSTING RINGS MAY BE USED TO A MAXIMUM HEIGHT OF 12 INCHES. CONCRETE, RUBBERIZED, HIGH DENSITY EXPANDED POLYSTYRENE WITH A POLYURIA COATING OR EXPANDED POLYPROPYLENE RINGS MAY USED (ALL RINGS MUST BE IDOT APPROVED). CONCRETE RINGS MAY BE NO LESS THAN 3 INCHES THICK. EACH RING SHALL BE SEALED UNDERNEATH THE FRAME PER THE PRODUCT MANUFACTURERS SPECIFICATIONS WITH THE APPROVAL OF THE ENGINEER.
4. PRECAST ADJUSTING RINGS SHALL BE REINFORCED WITH NO. 3 GAUGE WIRE OR EQUIVALENT AND SHALL HAVE A MINIMUM THICKNESS OF 3 INCHES.
5. MORTAR SHALL NOT BE USED TO DRESS UP ADJUSTING RINGS AND/OR FRAME.
6. IN PAVED AREAS, DRAIN HOLES/WEEP HOLES SHALL BE COVERED WITH FILTER FABRIC. FILTER FABRIC SHALL BE SECURED TO THE OUTSIDE OF STRUCTURE PRIOR TO BACKFILL.
7. IN GRASSED AREAS, DRAIN HOLES/WEEP HOLES SHALL BE PLUGGED WITH HYDRAULIC CEMENT.
8. IF AN IDOT TYPE 8 GRATE CASTING IS CALLED OUT, NO MASTIC SHALL BE ALLOWED BETWEEN THE FRAME AND THE TOP RING OR STRUCTURE. A MINIMUM OF ONE RUBBER RING 1/4" THICKNESS SHALL BE PLACED BETWEEN THE FRAME AND THE TOP RING OR STRUCTURE (EJ INFRA-RISER OR IDOT APPROVED EQUAL). ALL EXCESS MATERIAL EXTENDING BEYOND THE EDGE OF THE GRATE SHALL BE TRIMMED FLUSH.

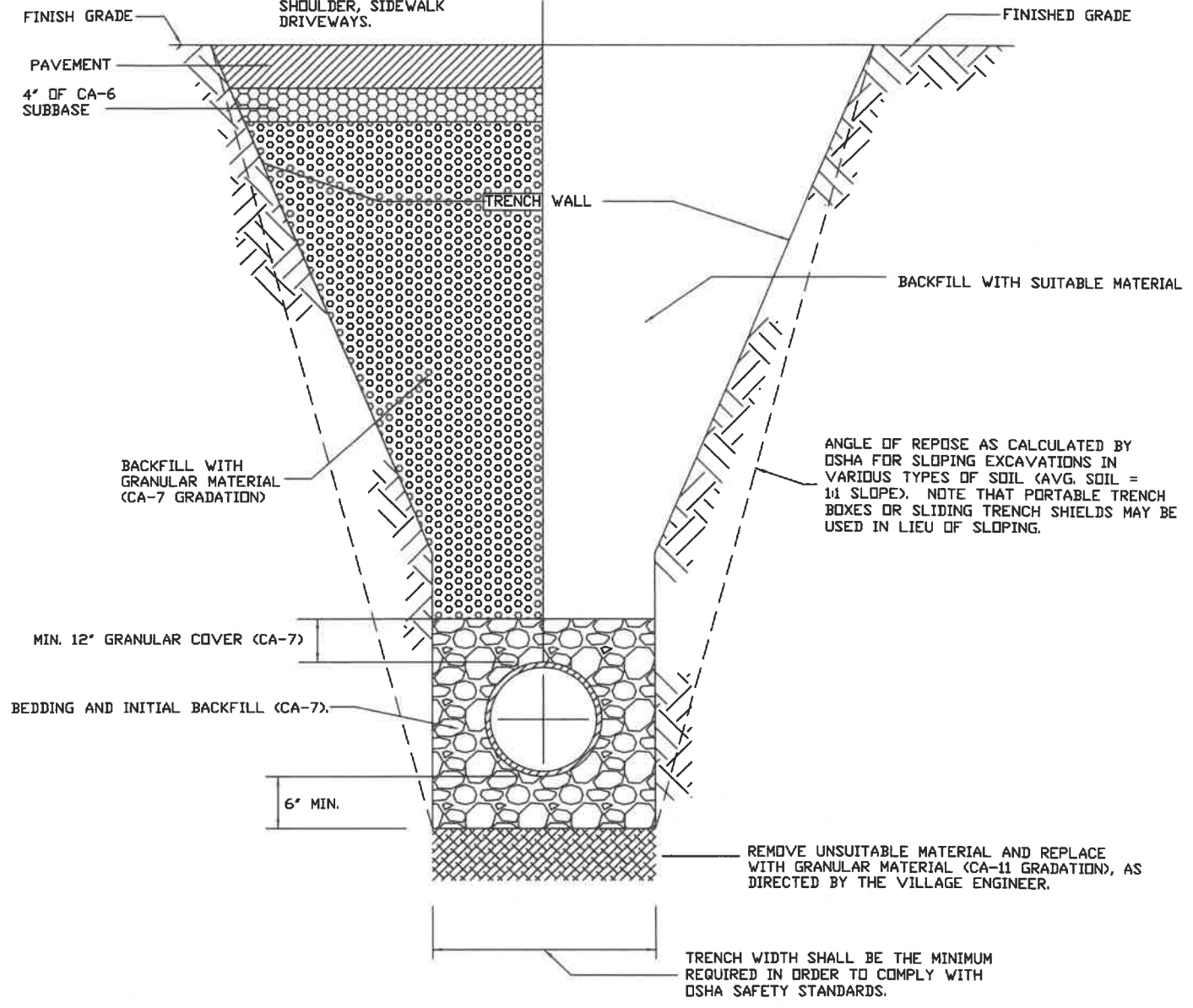
REV.:	JKB	REV.:	04-23-18
REV.:	CJW	REV.:	02-17-10
REV.:	ERH	REV.:	03-14-99
DRAWN BY:	VJGL	DATE:	02-16-98

INLET TYPE A

VILLAGE OF LOMBARD

STORM 2

UNDER OR WHEN INSIDE EDGE OF TRENCH IS WITHIN TWO (2) FEET OF PROPOSED OR EXISTING PAVEMENT, CURB AND GUTTER, SHOULDER, SIDEWALK DRIVEWAYS. LANDSCAPED OR UNPAVED AREAS.



ANGLE OF REPOSE AS CALCULATED BY OSHA FOR SLOPING EXCAVATIONS IN VARIOUS TYPES OF SOIL (AVG. SOIL = 1:1 SLOPE). NOTE THAT PORTABLE TRENCH BOXES OR SLIDING TRENCH SHIELDS MAY BE USED IN LIEU OF SLOPING.

REMOVE UNSUITABLE MATERIAL AND REPLACE WITH GRANULAR MATERIAL (CA-11 GRADATION), AS DIRECTED BY THE VILLAGE ENGINEER.

TRENCH WIDTH SHALL BE THE MINIMUM REQUIRED IN ORDER TO COMPLY WITH OSHA SAFETY STANDARDS.

GENERAL NOTES:

1. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE GOVERNING REGULATIONS, INCLUDING BUT NOT LIMITED TO OSHA SAFETY STANDARDS.
2. ALL BACKFILL MATERIAL UP TO A HEIGHT OF 12 INCHES ABOVE THE PIPE SHALL BE CAREFULLY DEPOSITED IN UNIFORM LAYERS NOT EXCEEDING 8 INCHES THICK (LOOSE MEASURE). THE MATERIAL IN EACH LAYER SHALL BE FIRMLY COMPACTED BY RAMMING OR TAMPING WITH TOOLS APPROVED BY THE VILLAGE ENGINEER IN SUCH A MANNER AS NOT TO DISTURB OR DAMAGE THE PIPE. THE BACKFILLING ABOVE THIS HEIGHT SHALL BE DONE AS NOTED BELOW.
3. GRANULAR BACKFILL MATERIAL SHALL BE PLACED AND COMPACTED AS SPECIFIED IN NOTE 2, ABOVE. THE USE OF JETTING SHALL NOT BE ALLOWED UNLESS AUTHORIZED IN WRITING BY THE VILLAGE ENGINEER. IT SHALL BE THE DESIGN ENGINEER OR CONTRACTOR'S RESPONSIBILITY TO PROVIDE APPROPRIATE JUSTIFICATION AND DOCUMENTATION (SOIL INVESTIGATION REPORTS, ETC.) TO THE VILLAGE ENGINEER WITH THE REQUEST FOR APPROVAL OF JETTING.

REV.:	JKB	REV.:	4-23-18
REV.:	DRG	REV.:	4-20-17
REV.:	DRG	REV.:	2-22-16
DRAWN BY:	VJGL	DATE:	2-16-98

STORM SEWER
TRENCH SECTION

VILLAGE OF LOMBARD
STORM 11

GENERAL NOTES CONT:

4. BACKFILL MATERIAL CONSISTING OF SUITABLE EXCAVATED MATERIAL SHALL BE PLACED IN LIFTS NOT EXCEEDING TWELVE (12) INCHES THICK (LOOSE MEASURE) AND EACH LAYER SHALL BE COMPACTED BY RAMMING OR TAMPING TO ACHIEVE THE REQUIRED COMPACTION. JETTING OF THIS MATERIAL MAY BE PERMITTED WHEN AUTHORIZED IN WRITING BY THE VILLAGE ENGINEER. IT SHALL BE THE DESIGN ENGINEER OR THE CONTRACTOR'S RESPONSIBILITY TO SUBMIT APPROPRIATE JUSTIFICATION AND DOCUMENTATION (SOILS INVESTIGATION REPORTS, ETC.) TO THE VILLAGE ENGINEER WITH THE REQUEST FOR APPROVAL OF JETTING.

5. GRANULAR MATERIAL FOR BACKFILL AND BEDDING SHALL BE GRAVEL, CRUSHED GRAVEL OR STONE MEETING THE REQUIREMENTS OF THE IDOT 'STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION' FOR COURSE AGGREGATE, OF THE GRADATION SPECIFIED. NO RECYCLED CONCRETE SHALL BE ALLOWED.

6. MINIMUM COVER OVER THE TOP OF PIPE SHALL BE SIX (6) INCHES BELOW FINISHED SUBGRADE IN PAVED AREAS AND TWELVE (12) INCHES BELOW FINISHED GRADE IN LANDSCAPE AREAS.

7. THE BEDDING THICKNESS SHALL BE EQUAL TO ONE-QUARTER ($\frac{1}{4}$) OF THE OUTSIDE DIAMETER OF THE PIPE BUT NOT LESS THAN SIX (6) INCHES.

REV.:	CEI	REV.:	2-12-15
REV.:	ERH	REV.:	3-17-99
DRAWN BY:	ERH	DATE:	2-16-98

STORM SEWER
TRENCH SECTION

VILLAGE OF LOMBARD

STORM-11A

VILLAGE OF LOMBARD
VILLAGE BOARD POLICY MEMORANDUM

Subject: Backyard Drainage Program

Number: 00-1

Date: January 20, 2000

I. Purpose

The purpose of this program is to eliminate flood-prone backyards through cooperative efforts by the Village of Lombard and effected residents.

II. Procedures/Guidelines

- A. Interested homeowners who can demonstrate that two (2) or more contiguous properties are directly effected by backyard flooding can apply for a grant for 50% of the costs to install a backyard drainage system. "Directly effected" means that the property is subject to standing water for more than 72 hours.
- B. Eligible costs may include surveying, engineering, permits, and construction work including connection to public storm sewer and street restoration.
- C. Homeowner groups initiate projects and perform surveying and prepare engineering plans by a Professional Engineer. Plans are submitted to Community Development Department for approval.
- D. Approved plans are eligible for a grant. Grant applications are submitted to Public Works along with approved plans, cost estimates or bids. Public Works shall evaluate the reasonableness and appropriateness of the grant application. Costs associated with preparing unapproved plans are not eligible for grant funds.
- E. Drainage systems must include an appropriate restrictor.
- F. Upon successful completion of the work and final inspection, the Village will reimburse the homeowner group for 50% of the project costs up to a maximum of \$10,000.
- G. The annual Village contribution to this program will be determined in the Capital Improvement Program.
- H. "Direct" or "indirect" connections to combined and sanitary sewer systems are prohibited by current Village ordinance and will not be considered. "Indirect" connections enter a storm sewer that discharges to a combined sewer (re-combining).
- I. Proposed backyard pumping systems discharging to combined sewer areas that comply with current Village ordinance 50.027 (D) are also eligible for this program (Exhibit "A" attached).
- J. Improvements constructed on private property will be operated and maintained by the owners, not the Village of Lombard.
- K. The effective date of this policy is December 1, 1999.

III. Legislation/Documentation

Minutes of January 11, 2000 Public Works Committee meeting.
Minutes of January 20, 2000 Board of Trustees meeting.

EXHIBIT "A"

§ 50.027 SUMP PUMP, DOWNSPOUT AND OTHER STORMWATER DISCHARGES

(A) For all habitable structures and business structures constructed after January 1, 1986, all building subsoil drain sump pump discharge pipes shall be connected to the storm sewer system wherever there is a storm sewer reasonably available for such connection as determined by the Director of Public Works.

(B) For all habitable structures and business structures constructed after September 1, 1996, if storm sewers are not reasonably available, all subsoil drain sump discharge pipes shall discharge on a grassed area at any point within fifteen (15) feet of the building structure, away from adjacent properties, and in a manner so as to not cause a nuisance in the public right-of-way, or at the discretion of the Director of Community Development.

(C) Notwithstanding the requirements of 50.26(A) and (B), for all habitable structures and business structures, all downspouts shall be directed away from adjacent properties. Downspouts discharging toward a combined sewer shall discharge onto splash blocks into a grassed area at any point within fifteen (15) feet of the building structure or at the discretion of the Director of Community Development.

(D) Notwithstanding the requirements of 50.026, any person, but only one person from the area tributary to the common depressional storage area, may pump stormwater run-off from a common depressional storage area on private property toward a combined sewer subject to the following restrictions: (1) pumping may not commence or continue during a rainfall event; (2) pumping may not commence until seventy-two (72) hours after a rainfall event or until the Lombard Combined Sewage Treatment Facility has stopped discharging effluent to the East Branch of the DuPage River, whichever is longer; (3) the discharge point must be within fifteen (15) feet of the building structure, and in a manner so as to not cause a nuisance in the public right-of-way, or at the discretion of the Director of Public Works; and (4) no pumping rate can exceed 250 gallons per minute. Notwithstanding the foregoing, pumping as described in this subsection (D) will be prohibited if combined sewer surcharges are induced from such pumping. In addition, the Village of Lombard reserves the right to further restrict the approved pumping rate in individual situations where it has been determined that the maximum rate will result in surcharging, sewer overflows, adverse health or environmental problems.

('70 Code, § 13.08.075) (Ord. 2797, passed 11-14-85, Ord. 4190, passed 7/18/96)

BACKYARD DRAINAGE GRANT PROGRAM
VILLAGE OF LOMBARD, ILLINOIS Board of Trustees POLICY MEMORANDUM 00-1

Application Form (Last revised 3/2/00)

Part 1 – PROJECT SPONSORS		Date: ____/____/____
Sponsor: _____	Phone: (day) _____	(evening) _____
Address: _____ Lombard, IL 60148		Signature: _____
<i>Co-sponsors agree that sponsor is duly authorized to communicate with the Village on their behalf.</i>		
Co-Sponsor: _____	Street Address: _____	
Signature: _____		
Co-Sponsor: _____	Street Address: _____	
Signature: _____		
Co-Sponsor: _____	Street Address: _____	
Signature: _____		
Co-Sponsor: _____	Street Address: _____	
Signature: _____		

Part 2 – EVIDENCE OF STANDING WATER FOR 72 HOURS AFFECTING 2 OR MORE PROPERTIES
How often does the property collect water that remains for at least 72 hours? _____
How many properties are effected? _____. How many years has it flooded? _____
<i>Please attach photos, statements, inspections, or any other evidence that this property has experienced backyard drainage problems resulting in standing water for 72 hours affecting at least 2 properties. The Village of Lombard may require that a property inspection be performed prior to grant approval.</i>
The included information is true to the best of our knowledge: _____
Signature of Sponsor

Part 3 -- PLAN APPROVAL Attach approved plan from Community Development Department.		
_____ Signature of Community Development Official	_____ Print Name	____/____/____ Date

Part 4 -- COST ESTIMATE Attach contractor's proposal. We suggest at least two (2) estimates be obtained. The cost estimate for the proposed work is \$ _____

Part 5 -- GRANT APPROVAL Approved for 50% of system costs not to exceed \$10,000.		
_____ Signature of Public Works Official	_____ Print Name	____/____/____ Date

Part 6 -- PERMITS For pumping systems: Plumbing permit and electrical permit has been issued by Bureau of Inspectional Services and fees paid. Attach documentation.		
_____ Bureau of Inspectional Services (BIS)	_____ Print Name	____/____/____ Date

Part 7 -- CERTIFICATION OF FINAL INSPECTION		
_____ Bureau of Inspectional Services (BIS)	_____ Print Name	____/____/____ Date of Final Inspection
_____ Community Development Department	_____ Print Name	____/____/____ Date of Final Inspection

Part 8 -- PROJECT COMPLETE; REQUEST FOR REIMBURSEMENT Drainage work is finished to our complete satisfaction; contractors are paid in-full; and we are requesting reimbursement for the approved grant amount. Final project cost was \$ _____. Attach documentation & and complete reverse side.		
_____ Signature of Sponsor	_____ Print Name	____/____/____ Date

Part 9 -- AUTHORIZATION FOR REIMBURSEMENT Approved for reimbursement in the amount of \$ _____ for backyard drainage work performed in accordance with Board of Trustees Policy Memorandum 00-1.		
_____ Signature of Public Works Official	_____ Print Name	____/____/____ Date

REIMBURSEMENT AGREEMENT

Date: ____/____/____

To: Public Works Department

From: Backyard Drainage Project Sponsor and Co-sponsors

Subject: Agreed reimbursement amounts

We agree to the following distribution of reimbursement amounts for project costs:

Please print CLEARLY:

Sponsor _____	\$ _____ or _____%	Signature _____
Address _____ Lombard, IL 60148		

Co-Sponsor _____	\$ _____ or _____%	Signature _____
Address _____ Lombard, IL 60148		

Co-Sponsor _____	\$ _____ or _____%	Signature _____
Address _____ Lombard, IL 60148		

Co-Sponsor _____	\$ _____ or _____%	Signature _____
Address _____ Lombard, IL 60148		

Co-Sponsor _____	\$ _____ or _____%	Signature _____
Address _____ Lombard, IL 60148		

Co-Sponsor _____	\$ _____ or _____%	Signature _____
Address _____ Lombard, IL 60148		

REIMBURSEMENT PAYMENT APPROVAL

For Village staff use:	Account # <u>7901.756420 #0119</u>
Approved: _____ Director of Public Works	_____/_____/_____ Date
Approved: _____ Finance Director	_____/_____/_____ Date
Approved: _____ Village Manager	_____/_____/_____ Date