NOTICE OF PUBLIC HEARING

BIRMINGHAM CITY COMMISSION
PUBLIC HEARING OF RE-CONFIRMATION TO CONSIDER ADJUSTING THE ROLL

Meeting Date, Time, Location:	HEARING OF RE-CONFIRMATION FOR SPECIAL ASSESSMENT DISTRICT TO CONSIDER ADJUSTING THE ROLL. Monday, July 27, 2015, 7:30 PM Municipal Building, 151 Martin, Birmingham, MI
Location:	Hamilton Alley Reconstruction
Nature of Improvement:	Reconstruction of the alley between Hamilton Avenue and Park Street.
Nature of Hearing:	To consider adjusting the assessment roll as the prices came in higher than the original assessment roll.
City Staff Contact:	Paul O'Meara 248.530.1836 pomeara@bhamgov.org
Notice Requirements:	Mail to affected property owners Publish July 12 & 19, 2015
Approved minutes may be reviewed at:	City Clerk's Office

You or your agent may appear at the hearings to express your views; however, if you fail to protest either in person or by letter received on or before the date of the hearing, you cannot appeal the amount of the special assessment to the Michigan Tax Tribunal. Mail any correspondence to: City Clerk, P.O. Box 3001, Birmingham, MI 48012.

The property owner may file a written appeal of the special assessment with the State Tax Tribunal within 30 days after the confirmation of the special assessment roll if that special assessment was protested at the hearing held for the purpose of confirming the roll.

All special assessments, including installment payments, shall, from the date of the confirmation thereof, constitute a lien on the respective lots or parcels assessed, and until paid shall be charged against the respective owners of the lots or parcels assessed.

Persons with disabilities needing accommodations for effective participation in this meeting should contact the City Clerk's Office at 248.530.1880 (voice) or 248.644.5115 (TDD) at least one day in advance to request mobility, visual, hearing or other assistance.

City of Birmingham
A Walkable Community

MEMORANDUM

Engineering Dept.
Finance Dept.

DATE: **July 15, 2015**

TO: **Joseph Valentine, City Manager**

FROM: **Paul T. O'Meara, City Engineer**
Janet Laing, Billing Manager

SUBJECT: **S. Hamilton Alley Paving Project**
Sewer Lateral Replacement Special Assessment District
Public Hearing

At the Commission meeting of January 12, 2015, the City Commission held a hearing to confirm the roll to cover the costs of paving the alley referenced above. The costs confirmed at that time represented the Engineer's estimate that had been prepared at that time, based on past experience.

In the interim, the project was designed as approved at the hearing of necessity, and bids were opened on June 19, 2015. Three bids were received. Although the low bidder's total cost was 1.3% less than the Engineer's Estimate, the actual bid prices were quite low on the sewer part of the job, and much higher on the paving portion. The sewer costs are being paid through the Sewer Fund. Since all of the paving and special amenity costs are being paid through the special assessment district, the resulting cost is significantly higher than originally estimated. The difference between the estimate and the actual cost can be attributed to the following factors:

1. The alley paving project is unique, both for the bidders, and for the design team. The last project that was similar to this one was the Willits Alley, which was completed in 2005.
2. The working conditions for this project are difficult. There are multiple coordination issues involving working with the many impacted businesses, lack of access, and lack of staging areas.
3. The contract was written to keep a short time period when the alley is closed.
4. This project included two new amenities (wayfinding signs, dumpster screens) that have never been done before on a City project. There is no past precedent to base a cost estimate on.

In sum, this is a difficult project to construct. Only three bids were received, and two of them were much higher. If the low bid had not been received, we would have likely recommended rejecting all bids, and attempting to rebid the project for 2016 construction. This would have created other scheduling problems, since Hamilton Ave. itself is planned for reconstruction in the spring of 2016.

One small offsetting factor relative to the above bid is that for those also subject to a sewer lateral replacement assessment, the cost of that work is very reasonable (see related report).

The City Commission adopted the resolution confirming S.A.D. No. 864 at the regular City Commission meeting of January 12th, 2015. Based on the aforementioned Engineer's research, for purposes of construction of new concrete pavement that would specially benefit properties on Hamilton Alley-Hamilton Avenue to Park Street, it is requested that the City Commission adopt the following resolution reconfirming S.A.D. No. 864 pursuant to Section 94-13 at the regular City Commission meeting of July 27th, 2015.

Comments during the hearing of confirmation are limited to those questions specifically addressing the assessment roll pursuant to Section 94-9 of the City Code. The hearing declaring the necessity of the Special Assessment District was held at the City Commission meeting of December 8th, 2014.

SUGGESTED RESOLUTION:
To reconfirm Special Assessment Roll No. 864 pursuant to Section 94-13, to defray the cost of construction of new concrete pavement on Hamilton Alley-Hamilton Avenue to Park Street:

WHEREAS, Special Assessment Roll, designated Roll No. 864, has been heretofore prepared by the Billing Manager for collection, and

WHEREAS, notice was given pursuant to Section 94-7 of the City Code, to each owner or party-in-interest of property to be assessed, and

WHEREAS, the Commission has deemed it practicable to cause payment of the cost thereof to be made at a date closer to the time of construction and

Commission Resolution 12-287-14 provided it would meet the 12th day of January, 2015 for the sole purpose of reviewing the assessment roll, and

WHEREAS, at said hearing held this January 12th, 2015 and at the hearing held this July 27th, 2015, all those property owners or their representatives present have been given an opportunity to be heard specifically concerning costs appearing in said special assessment roll as determined in Section 94-9 of the Code of the City of Birmingham,

NOW, THEREFORE, BE IT RESOLVED, that Special Assessment Roll No. 864 be in all things ratified and reconfirmed, and that the City Clerk be and is hereby instructed to endorse said roll, showing the date of confirmation thereof pursuant to Section 94-12, and to certify said assessment roll to the City Treasurer for collection at or near the time of construction of the improvement.

BE IT FURTHER RESOLVED, that special assessments shall be payable in ten (10) payments as provided in Section 94-10 of the Code of the City of Birmingham, with an annual interest rate of four and a quarter percent (4.25%) on all unpaid installments.

SPECIAL ASSESSMENT DISTRICT ROLL #864
Hamilton Alley Paving-Hamilton Avenue to Park Street

SIDWELL PARCEL #	PROPERTY ADDRESS	DUMPSTER SCREEN COST EST	TOTAL ESTIMATED ASSESSMENT	PROPOSED ASSESSMT (AFTER BID)	ACTUAL DUMPSTER SCREEN COST	TOTAL ACTUAL ASSESSMENT	% INCREASE OVER ESTIMATE
HAMILTON ALLEY		$2,000.00		$288.92	$4,600.00		
SOUTH SIDE							
19-25-456-001	188 N. Old Woodward Ave.		$7,616.00	$11,002.07		$11,002.07	44.5
19-25-456-002	152-162 N. Old Woodward Ave.		$5,992.00	$8,656.04		$8,656.04	44.5
19-25-456-039	100-136 N. Old Woodward Ave.		$9,166.00	$13,241.20		$13,241.20	44.5
19-25-456-017	135 E. Maple Rd.		$6,142.00	$8,872.73		$8,872.73	44.5
19-25-456-018	205-213 E. Maple Rd.		$8,300.00	$11,990.18		$11,990.18	44.5
19-25-456-019	225 E. Maple Rd.	$4,000.00	$9,956.00	$8,604.04	$9,200.00	$17,804.04	78.8
19-25-456-020	City Walkway		$4,000.00	$5,778.40		$5,778.40	44.5
19-25-456-035	261 E. Maple Rd.	$2,000.00	$14,500.00	$18,057.50	$4,600.00	$22,657.50	56.3
19-25-456-023	323 E. Maple Rd.	$0.00	$12,500.00	$18,057.50	$0.00	$18,057.50	44.5
19-25-456-024	335 E. Maple Rd.		$6,062.00	$8,757.17		$8,757.17	44.5
19-25-456-034	355 E. Maple Rd.		$8,000.00	$11,556.80		$11,556.80	44.5
19-25-456-027	361 E. Maple Rd.		$4,124.00	$5,957.53		$5,957.53	44.5
19-25-456-028	369 E. Maple Rd.		$4,476.00	$6,466.03		$6,466.03	44.5
19-25-456-029	395 E. Maple Rd.		$9,882.00	$14,275.54		$14,275.54	44.5
NORTH SIDE							
19-25-456-007	220 Hamilton Ave.		$39,548.00	$57,131.04		$57,131.04	44.5
19-25-456-040	City Walkway		$800.00	$1,155.68		$1,155.68	44.5
19-25-456-041	300 Hamilton Ave.	$2,000.00	$11,200.00	$13,290.32	$4,600.00	$17,890.32	59.7
19-25-456-009	330 Hamilton Ave.	$2,000.00	$12,430.00	$15,067.18	$4,600.00	$19,667.18	58.2
19-25-456-010	344 Hamilton Ave.		$5,006.00	$7,231.67		$7,231.67	44.5
19-25-456-011	360 Hamilton Ave.		$5,006.00	$7,231.67		$7,231.67	44.5
19-25-456-044	400 Hamilton Ave.- Unit 1		$2,504.00	$3,617.28		$3,617.28	44.5
19-25-456-045	400 Hamilton Ave.- Unit 2		$2,504.00	$3,617.28		$3,617.28	44.5
19-25-456-046	400 Hamilton Ave.- Unit 3		$2,504.00	$3,617.28		$3,617.28	44.5
19-25-456-047	400 Hamilton Ave.- Unit 4		$2,504.00	$3,617.28		$3,617.28	44.5
19-25-456-042	City Parking Lot #9		$11,476.00	$16,578.23		$16,578.23	44.5
TOTAL		$10,000.00		$237,916.95	$23,000.00	$260,916.95	

City of Birmingham
A Walkable Community

MEMORANDUM

Engineering Department

DATE: **June 15, 2015**

TO: **Joseph A. Valentine, City Manager**

FROM: **Paul T. O'Meara, City Engineer**

SUBJECT: **Hamilton Alley Paving Project**
Contract #9-15(P) Contract Award

Bids were opened on the above project on June 18, 2015. Three bids were received, as listed on the attached summary. The low bidder was Merlo Construction, with their bid of $325,880. The engineer's estimate was $330,000.

As discovered during the bid opening, there was an inconsistency with the low bidder's submittal. On projects of this nature, the Engineering Dept. routinely implements a prequalification process. All interested bidders are asked to submit a form answering several questions about their ability to complete the work, and who they intend to hire as a subcontractor. The form is required to be submitted about three days in advance of the bid opening, to give our office time to review and respond to the submittals. During the bidding period, only two prequalification forms were received and approved. Therefore, a maximum of two bids were expected. The low bidder's package included the prequalification form completed in a manner that would have allowed it to be approved, but it had never been submitted. In discussing the issue with the low bidder Merlo, they noted that they had never submitted a bid to Birmingham before, and missed the instructions relative to the prequalification form early submittal requirement.

Although they have never worked for Birmingham, a review of Merlo's history demonstrates that they have completed many similar or larger projects of varying complexity, and their references indicate that they are fully qualified to do this type of work. Given that they appear capable, and given that the second low bidder is significantly higher priced, we recommend that this inconsistency relative to the bid submittal be waived, and that the low bidder's price be accepted.

The project will include complete combined sewer and sanitary lead replacement, as well as new enhanced concrete pavement on the 18 foot wide alley extending from Hamilton Ave. to Park St., matching the conceptual plans previously approved by the City Commission, and attached to this report. Special amenities included in this project include the new "Via" theme wayfinding signs to be attached to street lights, and dumpster screens to be installed at three different locations where dumpsters in the alley currently sit.

The cost of the project will be charged to the following accounts:

Sewer Fund	590-536.001-981.0100	$ 85,095.00
Hamilton Alley Special Assessment	101-444.002-985.7100	$240,785.00
TOTAL		$325,880.00

Although the total cost of the project is very close to the engineer's estimate, the share of the cost being apportioned to the special assessment district is larger than expected. That translates to a larger special assessment than expected. In addition, this project is unique compared to other paving projects due to its downtown nature, its unique pavement, and its special amenities (signs, dumpster screens) which made the cost of this job difficult to anticipate. All of these factors combined resulted in a larger cost per property than expected. The amended assessment roll has been attached for your reference. Most property assessments will be about 45% higher than estimated, while those with dumpster screens will be anywhere from 56% to almost 79% higher than estimated.

City Code Section 94-13(b) states that should the actual amount of the assessment exceed more than 25% over the amount confirmed in the roll, the property owners must be notified, and a new public hearing must be held before the project proceeds. That being the case, it is recommended that a public hearing be scheduled as soon as possible, and that the award of this contract be postponed until that hearing has been held, should the Commission decide to proceed with the project. A resolution to that effect is provided below.

The City will also contribute to the district costs for the three properties it owns. Using the charges based on this contract, the two passageway properties will be charged to the General Fund, while the Parking Lot #9 frontage will be charged to the Parking Fund:

General Fund Assessments	$ 6,934.08
Auto Parking System Fund Assessment	$16,578.23
TOTAL	$23,512.31

One factor that helps offset the costs above are lower than estimated sewer lateral assessments. Those costs are discussed in a separate memo.

SUGGESTED RESOLUTION:

RESOLVED, that the City Commission shall meet on Monday, July 27, 2015 at 7:30 P.M., for the purpose of conducting a public hearing to consider adjusting the roll within the Hamilton Alley Paving Project area. Should the district again be confirmed at that time, then the Commission can consider proceeding with the contract award to Merlo Construction Co.

CITY OF BIRMINGHAM

HAMILTON ALLEY RECONSTRUCTION

CONTRACT #9-15(P)

BID SUMMARY

June 18, 2015 - 9:00 AM

Company Name	Addenda No.	5% Bid Security	Total Bid
ADJ Excavating, Inc.	N / A	Bond	$562,060.00
DiPonio Contracting, Inc.	N / A	Bond	$601,005.00
Merlo Construction Co.	N / A	Bond	$325,880.00

Sec. 94-13. Adjustments and corrections.

(a) Excessive assessments.

(1) The excess by which any special assessment proves larger than the actual cost of the improvement and expenses incidental thereto may be placed in the general fund of the city if such excess is five percent or less of the assessment.

(2) Should the assessment prove larger than necessary by more than five percent, the entire excess shall be refunded on a pro rata basis according to assessments to the owners of the property assessed as shown by the current assessment roll of the city, provided, however, no refunds shall be made of less than $20.00.

a. Such refund shall be made by credit against future unpaid installments to the extent any installments are remaining, and the balance, if any, of such refund shall be in cash.

b. No refunds may be made which contravene the provisions of any outstanding evidence of indebtedness secured in whole or in part by such special assessment.

(b) Additional pro rata assessments may be made when any special assessment roll proves insufficient to pay for the actual cost of the improvement for which it was levied and the expenses incident thereto, provided that the additional pro rata assessment shall not exceed 25 percent of the total assessment originally confirmed unless a public hearing before the commission is first held to review and confirm such additional assessment, for which hearing notices shall be published and mailed as provided in the case of review of the original special assessment roll.

(c) Invalid assessments.

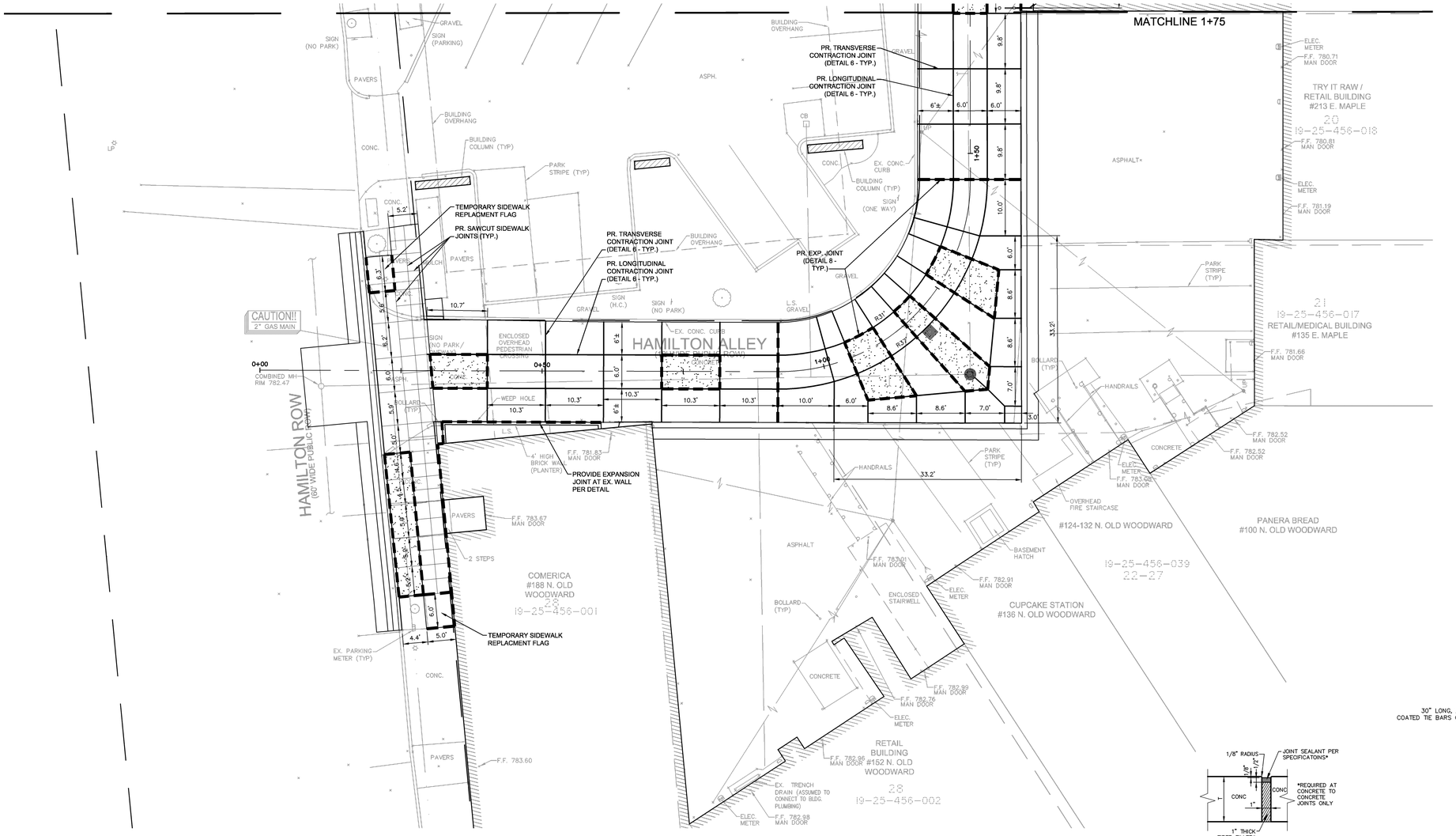
(1) whenever any special assessment shall, in the opinion of the commission, be incorrect or invalid by reason of any irregularity or informality in the proceedings, or if any court or tribunal of competent jurisdiction shall adjudge the assessment to be illegal, the commission may, regardless of whether the improvement has been made or not, or whether any part of the assessment has been paid or not, cause a new assessment to be made for the same purpose for which the former assessment was made.

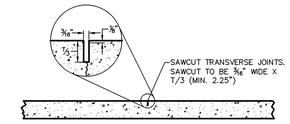
(2) All proceedings on such reassessment and for the collection thereof shall be conducted in the same manner as provided for the original assessment.

(3) Whenever any sum or part thereof levied upon any property under the assessment so set aside has been paid and not refunded, the payment so made shall be applied upon the reassessment or if the payments exceed the amount of the reassessment, refunds shall be made.

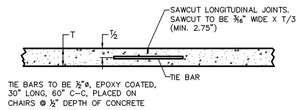
(4) No judgment or decree nor any act of the commission vacating a special assessment shall destroy or impair the lien of the city upon the premises assessed for such amount of the assessment as may be equitably charged against the same or as by regular mode of proceeding might have been lawfully assessed thereupon.

(Ord. No. 1637, 3-24-97)





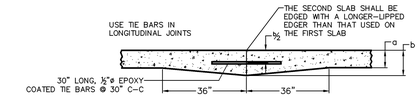
TRANSVERSE



LONGITUDINAL

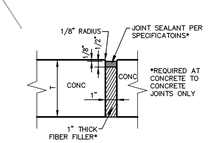
6 CONTRACTION JOINT

SLAB DESIGNATION	"a"	"b"
6"	6"	8"
7"	7"	9"
7-1/2"	7-1/2"	10"
8"	8"	11"
9"	9"	12"

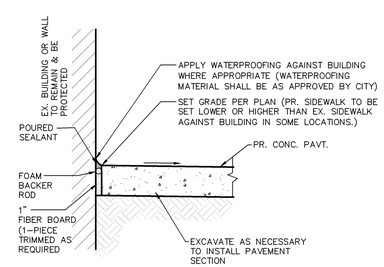


NOTE:
CONSTRUCTION JOINT TO BE UTILIZED AT ALL END OF POUR JOINTS

5 CONSTRUCTION JOINT

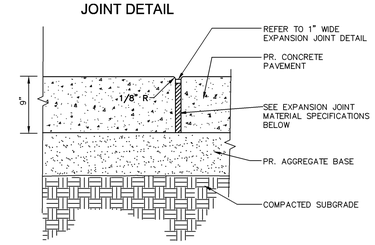


1" WIDE EXPANSION JOINT DETAIL



JOINT DETAIL AT BUILDING OR WALL

N.T.S.



EXPANSION JOINT MATERIAL SPECS:

1. EXPANSION JOINT MATERIAL: RESILIENT, NON-EXTRUDING TYPE PRE-MOLDED BITUMINOUS IMPREGNATED FIBERBOARD.

2. SEALANT BACKER ROD: COMPRESSIBLE ROD STOCK OF POLYETHYLENE FOAM OR OTHER FLEXIBLE, PERMANENT, DURABLE NON-ABSORPTIVE MATERIAL AS RECOMMENDED FOR COMPATIBILITY BY SEALANT MANUFACTURER. TEMPORARILY INSTALL ABOVE FIBER BOARD TO CREATE SPACE FOR JOINT SEALANT AT THE APPROPRIATE GRADE. REMOVE PRIOR TO INSTALLING JOINT SEALANT.

3. JOINT SEALANT: TWO PART POLYSULFIDE SEALANT, SELF LEVELING, LIGHT GRAY COLOR. SUBMIT COLOR SAMPLE FOR APPROVAL. FEDERAL SPECIFICATIONS TT-S-00227E, TYPE 1, DOW CORNING #780 OR EQUAL. INSTALL AFTER REMOVING BACKER ROD TO COMPLETELY COVER FIBER BOARD.

8 EXPANSION JOINT DETAIL FOR CONCRETE PAVEMENT

N.T.S.

PAVEMENT JOINT NOTES

REFER TO THE CITY OF BIRMINGHAM STANDARD PAVING DETAILS FOR ALL JOINT DETAILS.

INSTALL DETAIL #6 JOINTS FOR ALL TRANSVERSE JOINTS.

EXPANSION JOINTS SHALL BE 1", UNLESS OTHERWISE DIRECTED BY THE CITY.

TRANSVERSE SIDEWALK EXPANSION JOINTS SHALL BE PLACED EVERY FIFTY (50) FEET OR AS OTHERWISE DIRECTED BY THE CITY.

UTILITY NOTE

THE LOCATIONS AND ELEVATIONS OF SOME OF THE EXISTING UNDERGROUND UTILITIES AS SHOWN ON THE SURVEY DRAWING WERE OBTAINED FROM MUNICIPAL AND UTILITY COMPANY RECORDS AND MAPS. THEREFORE, NO GUARANTEE IS EITHER EXPRESSED OR IMPLIED AS TO THE COMPLETENESS OR ACCURACY THEREOF. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT UTILITY LOCATIONS AND ELEVATIONS PRIOR TO THE START OF CONSTRUCTION.

LEGEND

- EXISTING SAN/COMB SEWER
- EXISTING WATER MAIN
- EXISTING STORM SEWER
- EXISTING BURIED CABLES
- EXISTING GAS MAIN
- OVERHEAD LINES
- RECORD CURB STOP LOCATION (APPROX.)
- L/S LANDSCAPE BED
- EX. SOIL BORING
- PUBLIC PHONE
- WELL
- PUMP
- SIGN
- POST/BOLLARD
- PARKING METER
- MAIL BOX
- ROCK/BOULDER
- SPRINKLER VALVE BOX
- SPRINKLER HEAD
- FOUND PROPERTY MARKER
- ×000.00 GROUND ELEVATION

NF ENGINEERS

CIVIL ENGINEERS
LAND SURVEYORS
LAND PLANNERS

NOWAK & FRAUS ENGINEERS
46777 WOODWARD AVE.
PONTIAC, MI 48342-5032
TEL. (248) 332-7931
FAX. (248) 332-8257

PROJECT
Hamilton Alley
Paving Project
Contract #9-15(P)

CLIENT
City of Birmingham
A Walkable Community
Engineering Department
151 Martin Street
Birmingham, MI 48012

PROJECT LOCATION
Part of the SE 1/4 of Section 25, Town 2 North, Range 10 East, City of Birmingham, Oakland County, Michigan

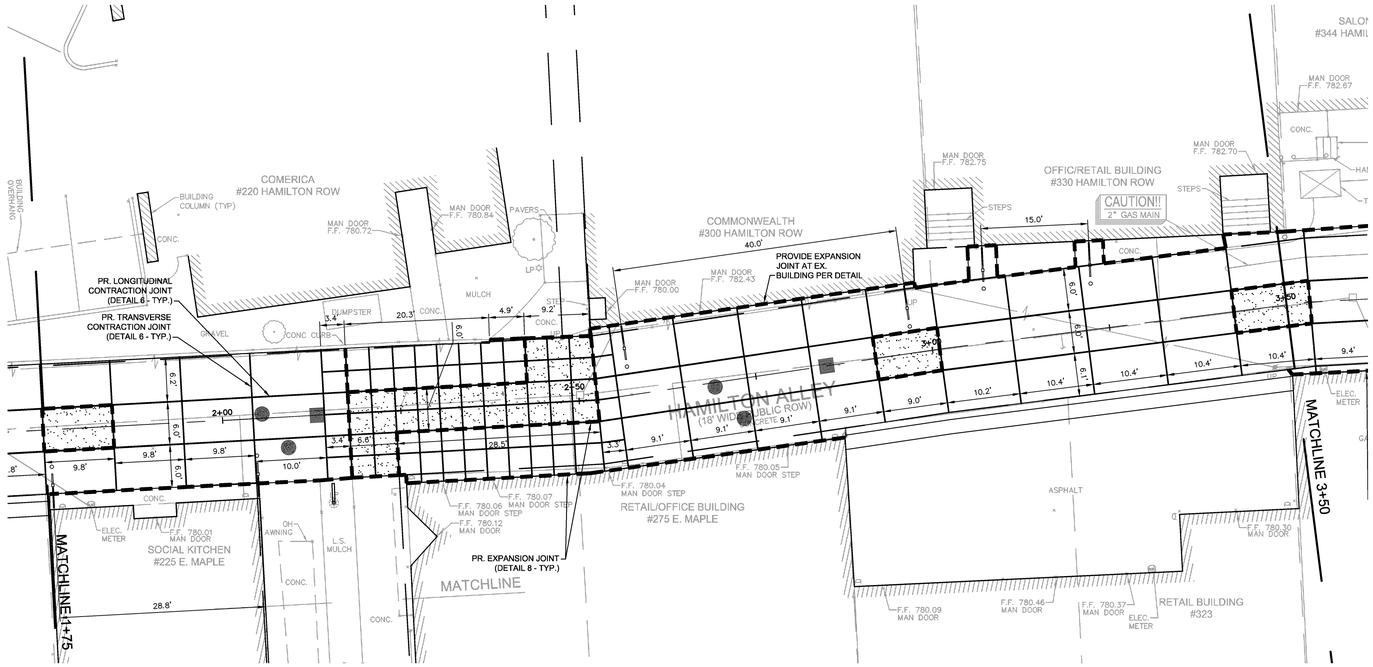
SHEET
Joint Layout & Dimension Plan
Sta. P.O.B. to 1+75

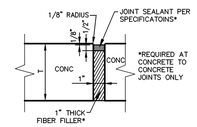
811 Know what's below Call before you dig.

REVISIONS
05-29-15 For Bid

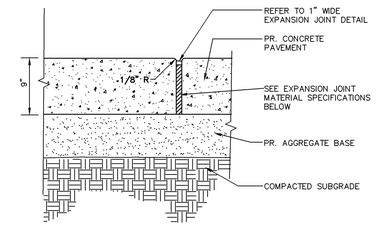
DRAWN BY: P. Tulikangas
DESIGNED BY: P.T./B.B.
APPROVED BY: B. Buchholz
DATE: March 31, 2014
SCALE: H. 1" = 10' V. 1"=2'

NFE JOB NO. I414
SHEET NO. C4





1" WIDE EXPANSION JOINT DETAIL



EXPANSION JOINT MATERIAL SPECS:
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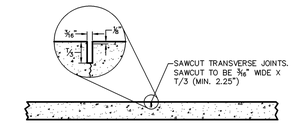
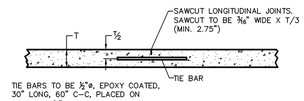


TRANSVERSE

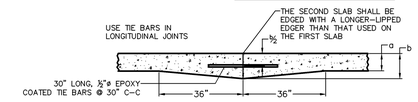


TIE BARS TO BE 5/8"ø, EPOXY COATED, 30" LONG, 60" C-C, PLACED ON CHAIRS @ 1/2" DEPTH OF CONCRETE

LONGITUDINAL

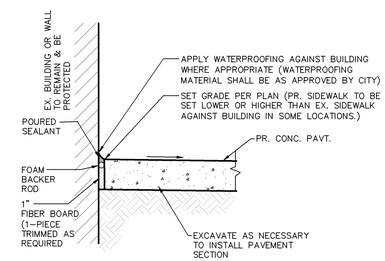
6 CONTRACTION JOINT

SLAB DESIGNATION	"a"	"b"
6"	6"	8"
7"	7"	9"
7-1/2"	7-1/2"	10"
8"	8"	11"
9"	9"	12"

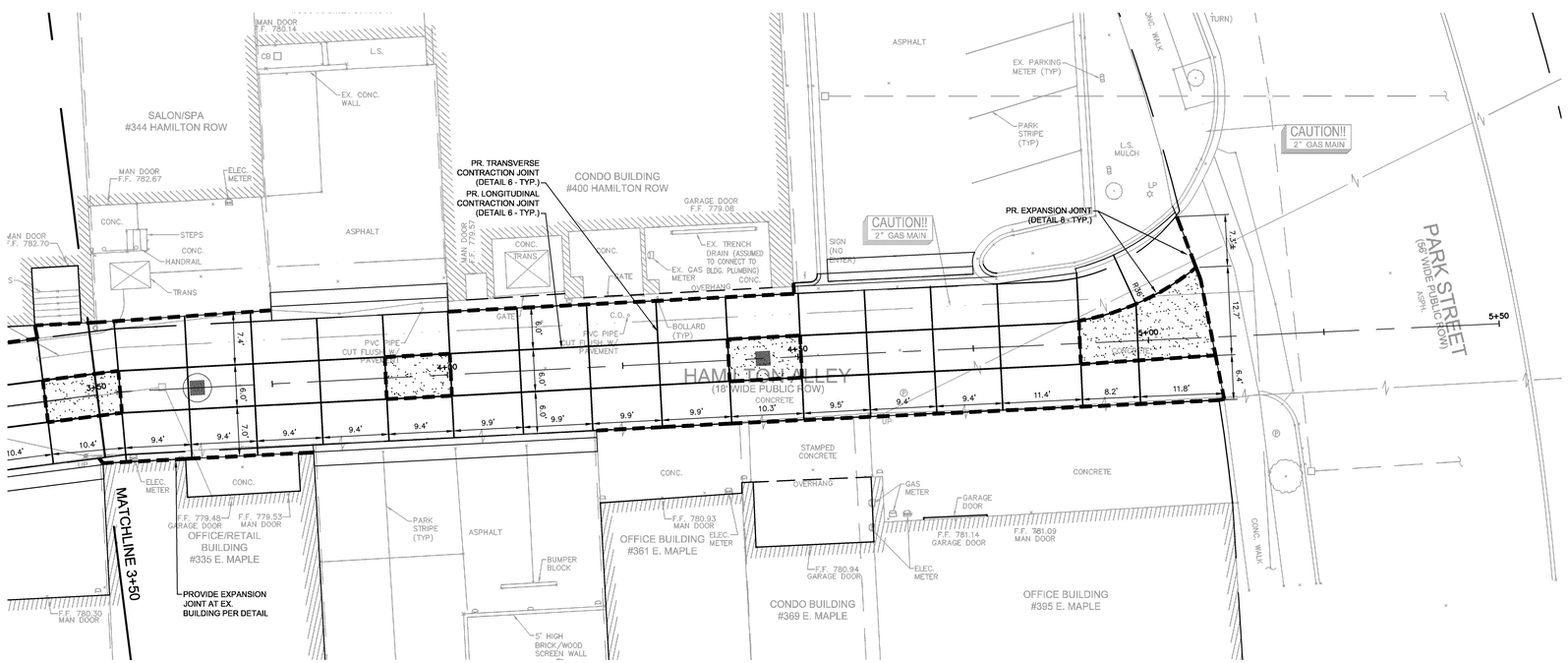


NOTE:
CONSTRUCTION JOINT TO BE UTILIZED AT ALL END OF POUR JOINTS

5 CONSTRUCTION JOINT



JOINT DETAIL AT BUILDING OR WALL
N.T.S.



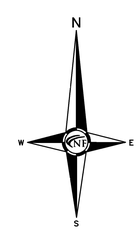
PAVEMENT JOINT NOTES

REFER TO THE CITY OF BIRMINGHAM STANDARD PAVING DETAILS FOR ALL JOINT DETAILS.

INSTALL DETAIL #6 JOINTS FOR ALL TRANSVERSE JOINTS.

EXPANSION JOINTS SHALL BE 1", UNLESS OTHERWISE DIRECTED BY THE CITY.

TRANSVERSE SIDEWALK EXPANSION JOINTS SHALL BE PLACED EVERY FIFTY (50) FEET OR AS OTHERWISE DIRECTED BY THE CITY.



UTILITY NOTE

THE LOCATIONS AND ELEVATIONS OF SOME OF THE EXISTING UNDERGROUND UTILITIES AS SHOWN ON THE SURVEY DRAWING WERE OBTAINED FROM MUNICIPAL AND UTILITY COMPANY RECORDS AND MAPS. THEREFORE, NO GUARANTEE IS EITHER EXPRESSED OR IMPLIED AS TO THE COMPLETENESS OR ACCURACY THEREOF. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT UTILITY LOCATIONS AND ELEVATIONS PRIOR TO THE START OF CONSTRUCTION.

LEGEND

- CLEAN-OUT / MANHOLE COMB / SAN — EXISTING SAN/COMB SEWER
- SHUTOFF / GVW / HYDRANT — EXISTING WATER MAIN
- R/CB / MANHOLE / CB / END SECTION — EXISTING STORM SEWER
- ELEC. METER / ELECTRIC MANHOLE / TELEPHONE MANHOLE — EXISTING BURIED CABLES
- GAS METER / R/CB GAS MARKER / GV GAS VALVE — EXISTING GAS MAIN
- UTILITY POLE / STRAIN POLE / LIGHT POLE / GUY WIRE — OVERHEAD LINES
- RECORD CURB STOP LOCATION (APPROX.)
- L/S LANDSCAPE BED
- EX. SOIL BORING
- PUBLIC PHONE
- WELL
- PUMP
- SIGN
- POST/BOLLARD
- PARKING METER
- MAIL BOX
- ROCK/BOULDER
- SPRINKLER VALVE BOX
- SPRINKLER HEAD
- FOUND PROPERTY MARKER
- ×000.00 GROUND ELEVATION

NF ENGINEERS
CIVIL ENGINEERS
LAND SURVEYORS
LAND PLANNERS

NOWAK & FRAUS ENGINEERS
46777 WOODWARD AVE.
PONTIAC, MI 48342-5032
TEL. (248) 332-7931
FAX. (248) 332-8257

PROJECT
Hamilton Alley
Paving Project
Contract #9-15(P)

CLIENT
City of Birmingham
A Walkable Community
Engineering Department
151 Martin Street
Birmingham, MI 48012

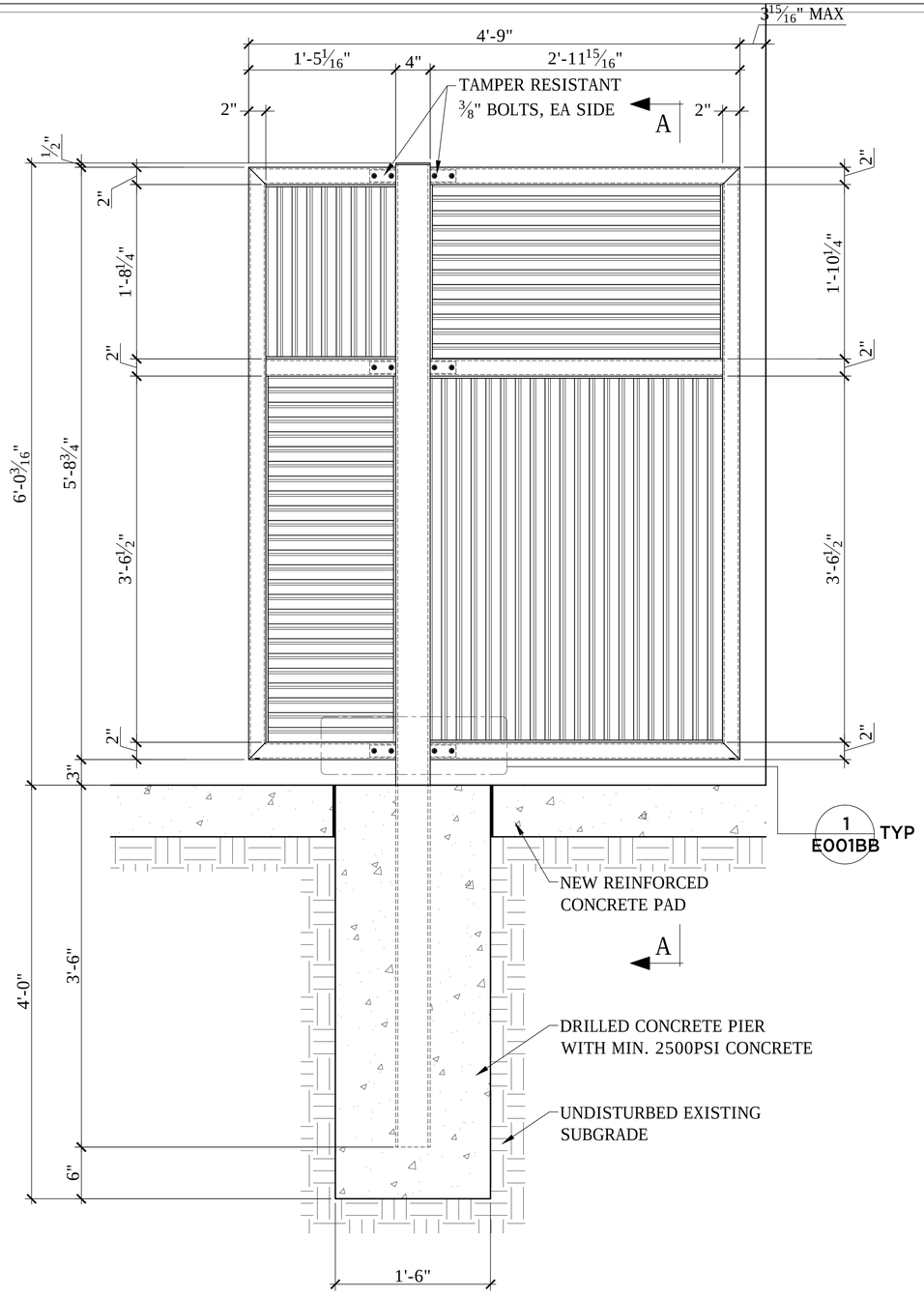
PROJECT LOCATION
Part of the SE 1/4 of Section 25, Town 2 North, Range 10 East, City of Birmingham, Oakland County, Michigan

SHEET
Joint Layout & Dimension Plan
Sta. 1+75 to P.O.E.

811 Know what's below Call before you dig.

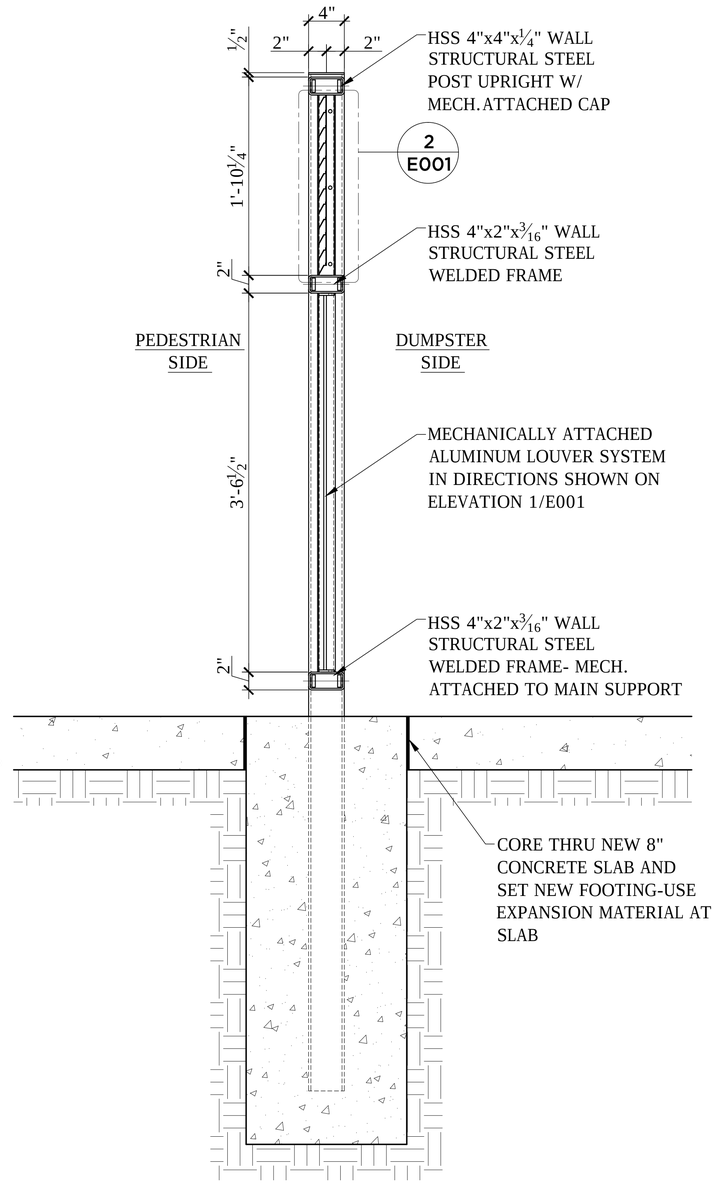
REVISIONS
05-29-15 For Bid

DRAWN BY: P. Tulikangas
DESIGNED BY: P.T./B.B.
APPROVED BY: B. Buchholz
DATE: March 31, 2014
SCALE: H. 1" = 10' V. 1"=2'
NFE JOB NO. I414
SHEET NO. C5



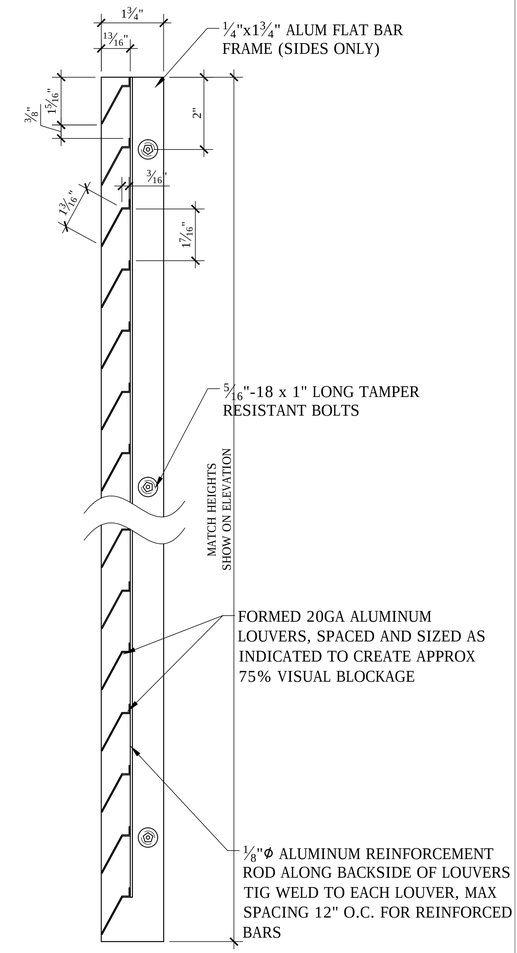
1 DUMPSTER SCREEN ELEVATION

Scale: 1 1/2"=1'-0"



SECTION A-A

SCALE : 1 1/2" = 1'-0"



2 LOUVER SECTION DETAIL

Scale: 6"=1'-0"

FUTURE FABRICATING

FUTURE FABRICATING

23450 REGENCY PARK DRIVE

WARREN, MI 48089

PHONE (586)-755-7080

FAX (586)-755-7456

www.futurefabricating.com

AISC & SSPC CERTIFIED PLANT

JOB NUMBER:

14-2228

PROJECT NAME:

HAMILTON ALLEY WAY

CUSTOMER:

NOWAK & FRAUS

TYPICAL NOTES- STEEL:

- ALL BARS, PLATES, AND SHAPES ARE GRADE ASTM A 36, UN. NTD.
- ALL TUBE IS ASTM A 500, GR. B, UN. NTD.
- ALL PIPE IS ASTM A 53, UN. NTD.
- ALL WELDS ARE PER AWS D1.1 "STRUCTURAL WELDING CODE - STEEL."
- WELDS ARE COMPLIANT WITH NOMMA'S "VOLUNTARY JOINT FINISH GUIDELINES" FOR FINISH #3 - "PARTIALLY DRESSED WITH SPATTER REMOVED," UN. NTD.
- HARDWARE SUPPLIED MILL-FINISH, UN. NTD.
- REVIEW ALL MANUFACTURER INSTRUCTIONS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT AND INCORPORATE ANY ADDITIONAL NOTES FOUND BELOW.
- VENT HOLES WHERE REQUIRED

TYPICAL NOTES- ALUMINUM:

- ALL ALUMINUM SHAPES ARE ALLOY 6061 OR 6063, AS RECOMMENDED BY THE MANUFACTURER, UN. NTD.
- ALL WELDS ARE PER AWS D1.2 "STRUCTURAL WELDING CODE - ALUMINUM."
- WELDS ARE COMPLIANT WITH NOMMA'S "VOLUNTARY JOINT FINISH GUIDELINES" FOR FINISH #3 - "PARTIALLY DRESSED WITH SPATTER REMOVED," UN. NTD.
- HARDWARE SUPPLIED MILL-FINISH, UN. NTD.
- REVIEW ALL MANUFACTURER INSTRUCTIONS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT AND INCORPORATE ANY ADDITIONAL NOTES FOUND BELOW.

TYPICAL NOTES- COATING:

- SWEEP BLAST FABRICATED ALUMINUM BARS AND SHAPES PER SSPC SP-5/ NACE 1 "WHITE METAL BLAST CLEANING"
- HOT DIP GALVANIZE AFTER FABRICATION ALL STEEL MATERIALS PER ASTM A 123.
- SWEEP BLAST FABRICATED GALVANIZED STEEL BARS AND SHAPES PER SSPC-SP7/ NACE 4 "BRUSH-OFF BLAST CLEANING" FOR GALVANIZED STEEL
- COATING APPLICATIONS AS FOLLOWED FOR ALUMINUM AND STEEL PRODUCT, CONSULT MANUFACTURERS SPECIFICATIONS FOR PRODUCT SPECIFIC DETAILS:
  - PRIME COAT 3.0-5.0DFT POLYAMIDOAMINE EPOXY. PRODUCT: TNEMEC HI-BUILD EPOXOLINE II N69
  - TOP COAT 2.0-3.0DFT ALIPHATIC ACRYLIC POLYURETHANE. PRODUCT: TNEMEC ENDURA-SHIELD II SERIES 1074U. COLOR TO BE SELECTED FROM MANUFACTURERS LIST OF AVAILABLE NON-METALLIC COLORS. ANTICIPATED MEDIUM TO DARK GREY COLOR.
- AFTER FULLY CURED, WRAP AND PROTECT FROM SHIPPING OR ERECTION DAMAGED.
- USE BOTH PRODUCTS IN CAN FORM TO TOUCH UP MARRED OR DAMAGED SURFACES WITH APPROPRIATE APPLICATORS.

COATINGS	
GALVANIZED:	☒
PRIME COAT:	☒
INTERMEDIATE:	☐
TOP COAT:	☒
POWDER COAT:	☐
ANODIZED:	☐
RAW:	☐
POLISHED: #4	☐

REV #	DATE	DESCRIPTION
B	3/19/15	REVISED PER MEETING
A	2/20/15	SUBMITAL FOR REVIEW

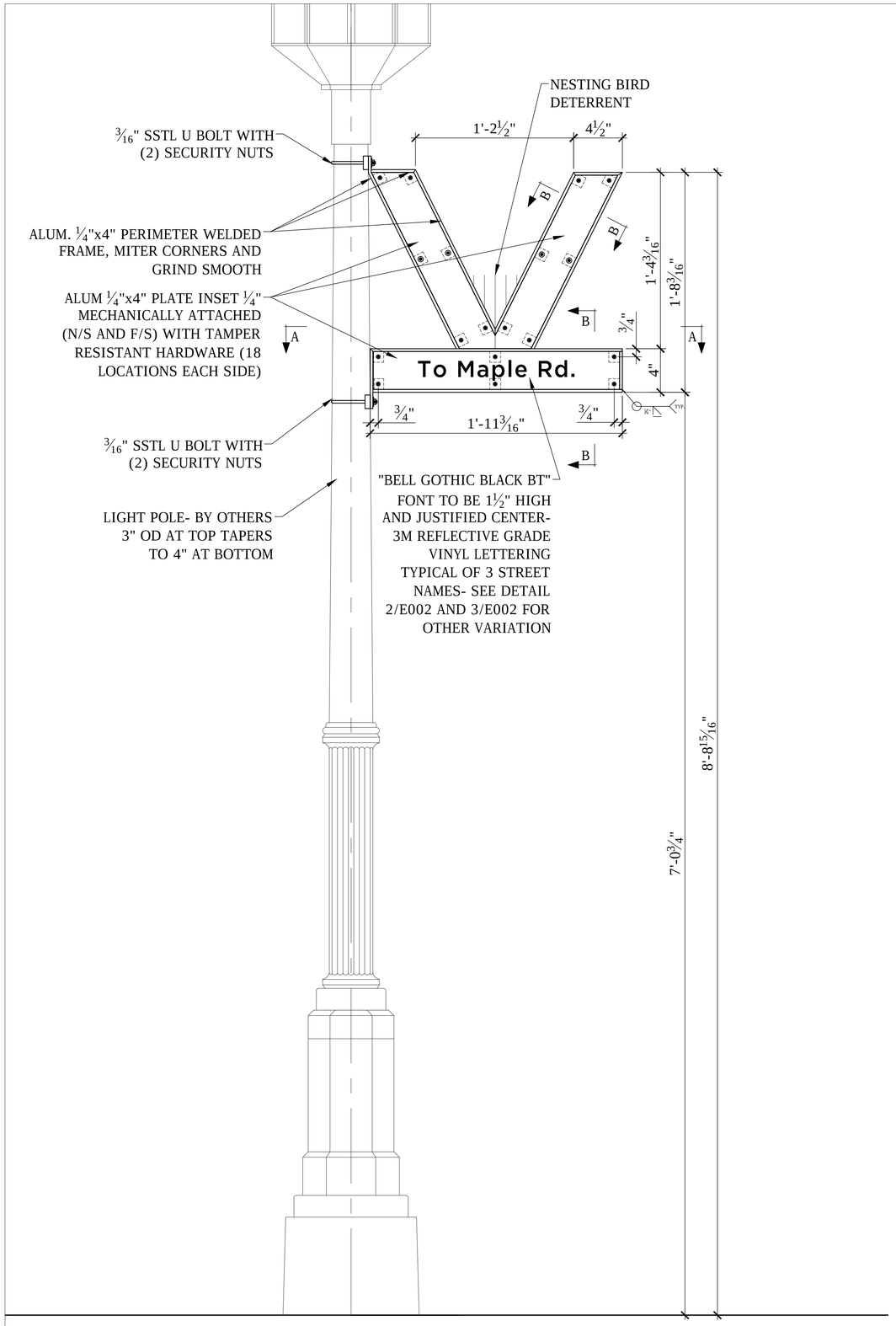
DRAWN BY:	CHECKED BY:	FIELD MEASURED:
CA	GAR	TBD
DATE: 2/20/15	DATE: 2/20/15	DATE: TBD

SHEET TITLE:

PRELIMINARY DUMPSTER SCREEN DESIGN

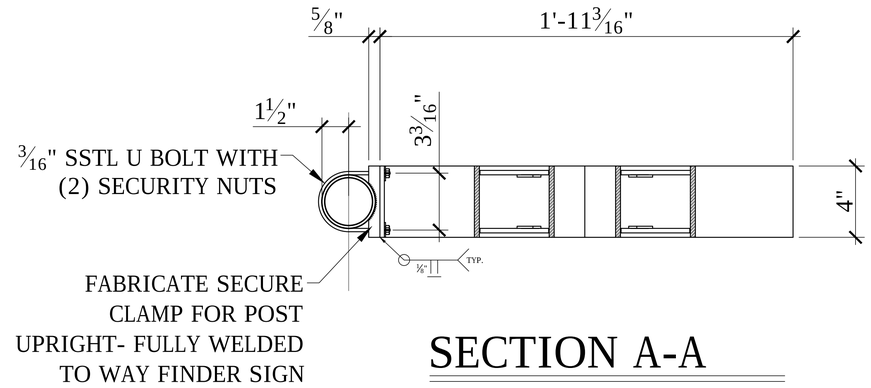
SHEET NUMBER:

E001AB



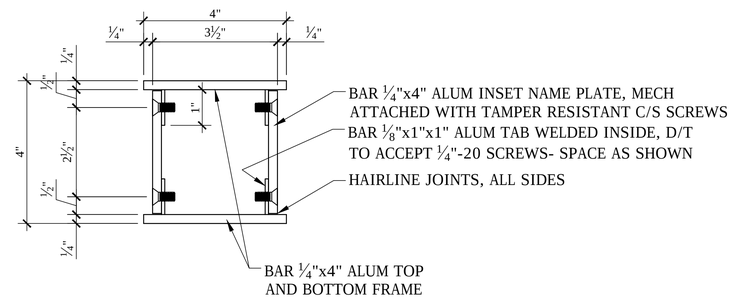
1 WAYFINDER SIGN ELEVATION

Scale: NTS



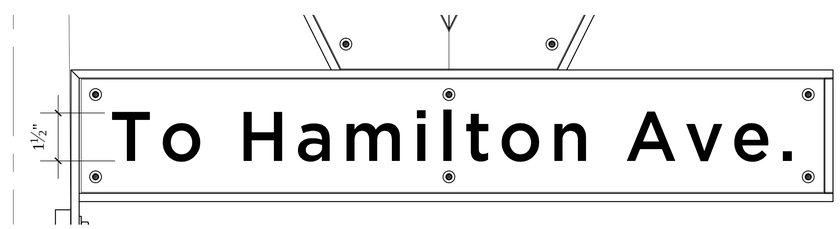
SECTION A-A

SCALE : 3" = 1'-0"



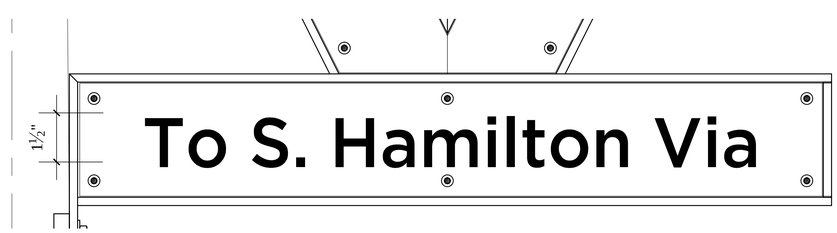
SECTION B-B

SCALE : 6" = 1'-0"



2 TEXT FOR SIGNAGE

Scale: NTS



3 TEXT FOR SIGNAGE

Scale: NTS

FUTURE FABRICATING

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23450 REGENCY PARK DRIVE
WARREN, MI 48089
PHONE (586)-755-7080
FAX (586)-755-7456
www.futurefabricating.com

AISC & SSPC CERTIFIED PLANT

JOB NUMBER: 14-2228

PROJECT NAME: HAMILTON ALLEY WAY

CUSTOMER: NOWAK & FRAUS

TYPICAL NOTES- ALUMINUM:
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- ALL WELDS ARE PER AWS D1.2 "STRUCTURAL WELDING CODE - ALUMINUM."
- WELDS ARE COMPLIANT WITH NOMMA'S "VOLUNTARY JOINT FINISH GUIDELINES" FOR FINISH # 3 - "PARTIALLY DRESSED WITH SPATTER REMOVED," UN. NTD.
- HARDWARE SUPPLIED MILL-FINISH, UN. NTD.
- REVIEW ALL MANUFACTURER INSTRUCTIONS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT AND INCORPORATE ANY ADDITIONAL NOTES FOUND BELOW.

TYPICAL NOTES- COATING:
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  - TOP COAT 2.0-3.0DFT ALIPHATIC ACRYLIC POLYURETHANE. PRODUCT: TNEMEC ENDURA-SHIELD II SERIES 1074U. COLOR TO BE SELECTED FROM MANUFACTURERS LIST OF AVAILABLE NON-METALLIC COLORS. COLOR TBD.
  - AFTER FULLY CURED, WRAP AND PROTECT FROM SHIPPING OR ERECTION DAMAGED.
  - USE BOTH PRODUCTS IN CAN FORM TO TOUCH UP MARRED OR DAMAGED SURFACES WITH APPROPRIATE APPLICATORS.

TYPICAL NOTES- LETTERING:
- USE 3M OR SIMILAR BRANDED REFLECTIVE EXTERIOR GRADE VINYL FOR LETTERING, FOLLOW RECOMMENDED MANUFACTURERS DIRECTIONS FOR PROPER ADHESION.

COATINGS
- GALVANIZED: ☐
- PRIME COAT: ☒
- INTERMEDIATE: ☐
- TOP COAT: ☒
- POWDER COAT: ☐
- ANODIZED: ☐
- RAW: ☐
- POLISHED: #4 ☐

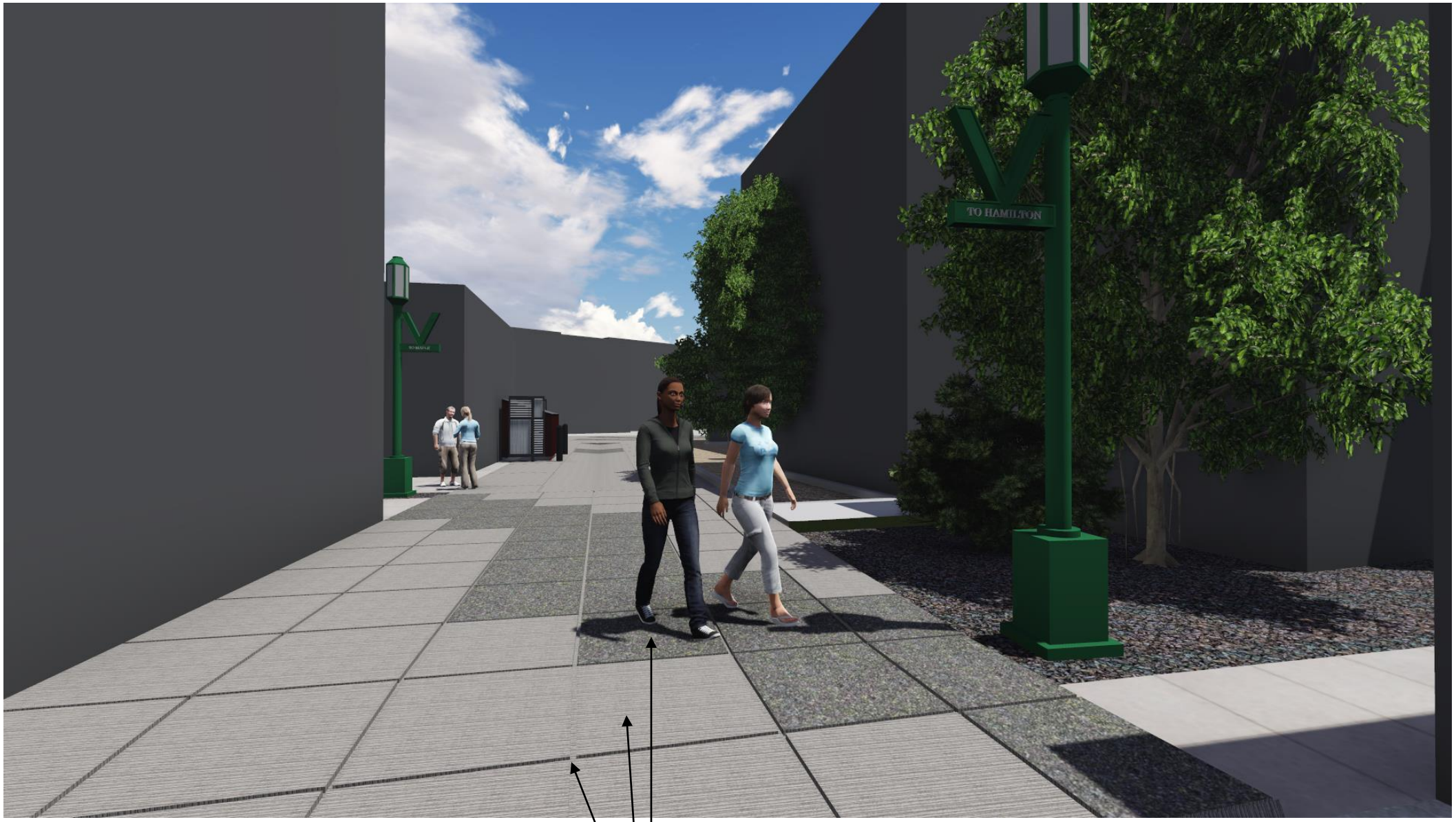
REV #	DATE	DESCRIPTION
B	3/19/15	REVISED PER MEETING
A	2/20/15	SUBMITAL FOR REVIEW

DRAWN BY:	CHECKED BY:	FIELD MEASURED:
CA	GAR	TBD
DATE: 2/20/15	DATE: 2/20/15	DATE: TBD

SHEET TITLE: PRELIMINARY WAY FINDER SIGN DESIGN

SHEET NUMBER: E002

5



EXPOSED AGGREGATE CONCRETE

BROOM FINISHED CONCRETE

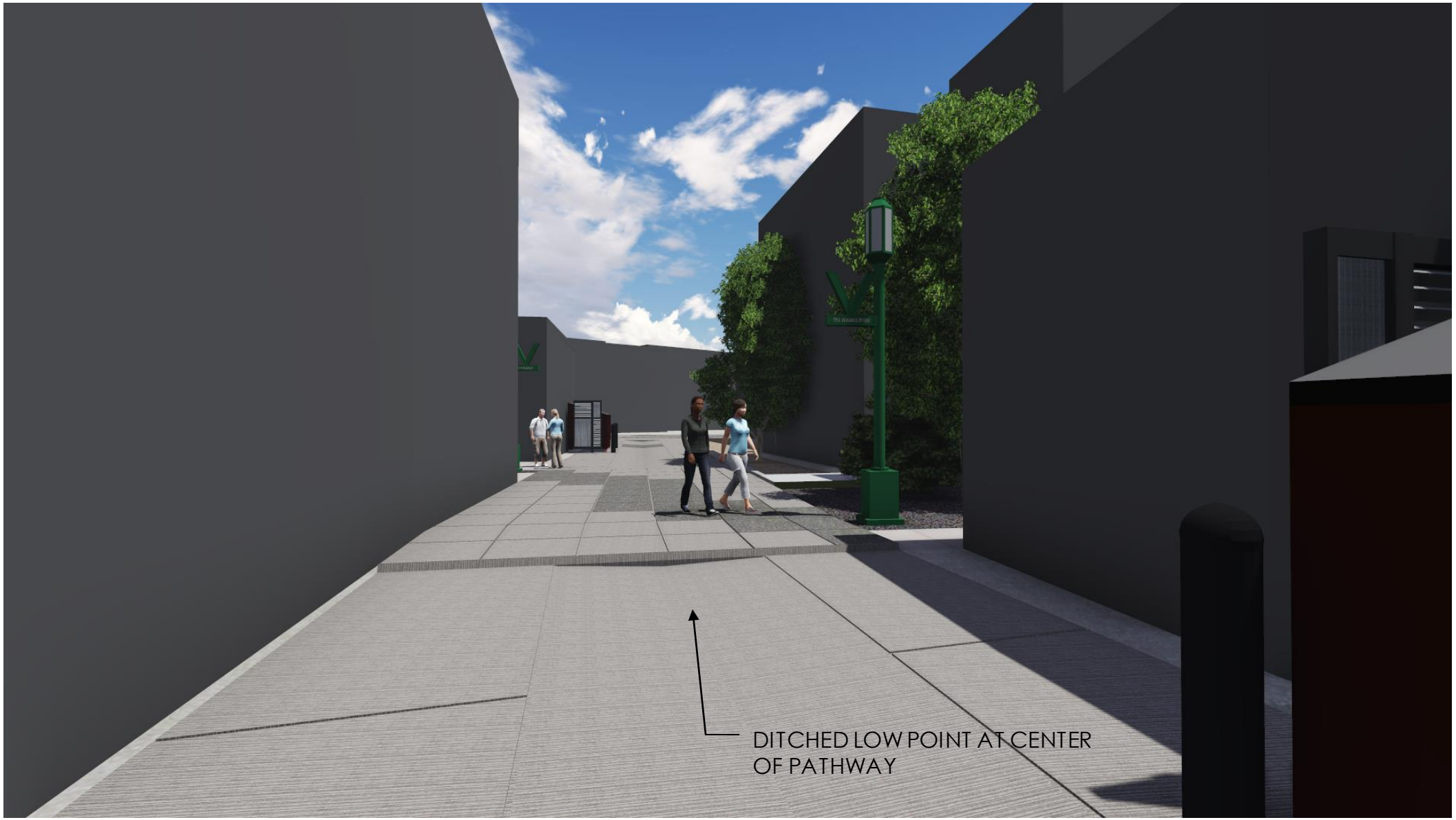
RAISED CROSSWALK CROSSING

krieger klatt
ARCHITECTS
architecture interiors consulting

HAMILTON ALLEY

PEDESTRIAN CROSSWALK

6



krieger klatt
ARCHITECTS
architecture interiors consulting

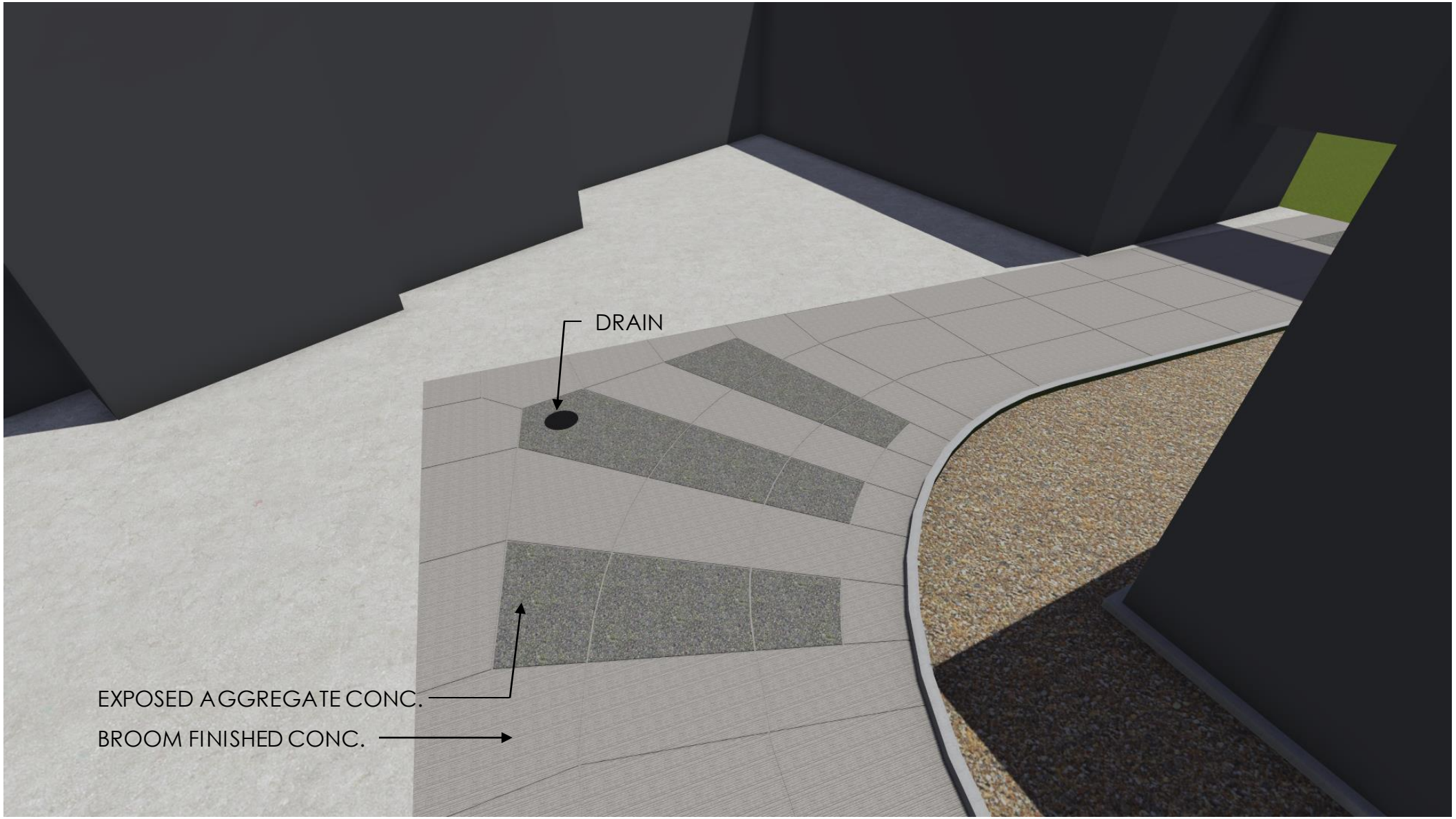
HAMILTON ALLEY

ALLEY PATHWAY

krieger klatt
ARCHITECTS
architecture interiors consulting

HAMILTON ALLEY

WAYFINDING SIGNAGE



krieger klatt
ARCHITECTS
architecture interiors consulting

HAMILTON ALLEY

CURVE DESIGN

krieger klatt
ARCHITECTS
architecture interiors consulting

HAMILTON ALLEY

DUMPSTER SCREEN OPTION A