

Close Out Documents

AP-42 – 4620 Claude St.

Structural Demolition

Prepared for:

Kiewit Infrastructure Co. Attn: Jenn Bradtmueller 160 Inverness Drive West. Suite 110 Englewood CO 80112

JKS INDUSTRIES

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1. Closeout Letter



November 13, 2018

Kiewit Infrastructure Co. 160 Inverness Drive West, Suite 110 Englewood, CO 80112

Re: SSCR AP-42 – 4620 Claude Ct.

Dear Kiewit Infrastructure Co.

This letter is confirm that all the work associated with the demolition of the structure located at 4620 Claude Court, Denver, CO 80216, also referred as parcel AP-42, is complete.

The scope of work included the demolition of a 1,244 square foot structure, and the removal of the curb and driveway. The scope of work did not include any asbestos abatement or sub-surface soil removal. Asbestos Abatement and removal of regulated building materials (RBMs) were performed by others prior to Kiewit taking possession of the property.

This document has been prepared to furnish you with key documents associated with this project for your records.

On behalf of the JKS Industries team, we would like to extend our appreciation to working with you on this project and look forward to working with you in the future.

1/2/

Regards,

Jeffrey Knight, President



2. CDPHE Demolition Permit

Colorado Department of Public Health and Environment

Air Pollution Control Division – Indoor Environment Program – Asbestos/IAQ Air Unit 4300 Cherry Creek Drive South, APCD-IE-B1
Denver, Colorado 80246-1530
Phone: 303-692-3100 – Fax: 303-782-0278
E-mail: asbestos@state.co.us

DEMOLITION APPROVAL NOTICE

This approval notice is granted subject to Colorado Air Quality Control Commission Regulation No. 8, Part B, adopted December 21, 2007, and effective January 30, 2008 and the Colorado Air Pollution Prevention and Control Act C.R.S. (25-7-101 and 25-7-501 et seq). This notice signifies that the structure was inspected for asbestos, luminous exit signs (containing radioactive material), and Ozone-Depleting Refrigerants and the demolition contractor has properly notified the Colorado Department of Public Health and Environment pursuant to Regulation No. 8, Part B.

As a contractor, you may be subject to other demolition licenses and permits, depending on the requirements of the county and municipality in which the work is being performed. The Colorado Department of Public Health and Environment, Air Pollution Control Division, strongly suggests that you check with county and municipal authorities in order to determine any other local building/permitting requirements that must be met.

Please note that certain asbestos-containing materials (ACM) may remain in the structure during demolition. Therefore, any demolition debris left behind after the completion of post-demolition site cleanup may constitute a "reason to know of asbestos-contaminated soil" at the site, subject to the requirements of Section 5.5 of the Solid Waste Regulations (6 CCR 1007-2, Part 1).

THE ORIGINAL APPROVAL NOTICE MUST BE POSTED ON SITE AT ALL TIMES.

Immediately notify the Asbestos/IAQ Unit of project modifications by fax (number above) or e-mail (address above) and the appropriate county health department by fax. Project modifications include changes in the scope of work or the scheduled work dates, etc.

This demolition approval notice is valid beginning 7/26/2018. The actual scheduled work dates are from 7/26/2018 through 7/29/2018.

Approval issued on: 7/23/2018

Record number: 139915
Notice Number: 18DE4799D

For the location specified below:

Residential House

4620 Claude Ct.

Denver

Denver County

Fee Paid: \$55.00

Check number: 5101

Asbestos Building Inspector:

Billy Godby

Cerification No.: 14714

Inspection Date:

03/23/2018

This notice has been issued to:

JKS Industries, Inc. 747 Sheridan Blvd. Unit 9A Lakewood, CO 80214

Issued by: CA

Cally almie



Colorado Department of Public Health and Environment

abated/removed prior to demolition.

DEMOLITION NOTIFICATION APPLICATION FORM

APPLICATION FEE MUST ACCOMPANY THIS FORM INCOMPLETE APPLICATIONS WILL BE RETURNED

(Notice will be mailed to the demolition contractor unless specified otherwise)

Fee: $$50 + $5 \text{ per } 1000 \text{ ft}^2 \text{ of area to be demolished} = 5.00 (See instruction #1 on reverse side)

Submit form to: Permit Coordinator Colorado Dept. of Public Health and Environment APCD-IE-B1 4300 Cherry Creek Drive South

Denver, CO 80246-1530 Phone: 303-692-3100 Fax: 303-782-0278 Asbestos@state.co.us

APCD

Sources

Asbestos Removal Demolition Contractor Contractor	Street: 747 Shendar Bwo 9A City: Coty: C	g Owner Demolition Site	Square footage of footprint of facility or portion of facility to be demolished Street: Hold Claude Court City: Proposed Start Date Proposed Start Date Method/Means of Demolition: Method/Means of Demolition: Method/Means additional authorization — Please call (303) 692-3100 and ask to speak to the Open Burning Permit Coordinator Owner's Name: Colorado Department of Transportation Street: Stree				
Ask Rer Con	Date Removal Completed O3-23-19 Type(s) of Asbestos-Containing Material Removed:	Building	City: State: Zip Gode: Su461 Contact's Name: / Telephone #				
	Type(s) of Asbestos-Containing Material Removed:	В	Thil Kangas (303) 512-5519				
Certified Asbestos Inspector Certification	With my signature below, I certify that I possess current AHERA accreditation and state of Colorado certification as an Asbestos Building Inspector. I also certify that I have thoroughly inspected the facility to be demolished, as listed in the Demolition Site block above, sampled all suspect materials, had all samples analyzed for the presence of asbestos by a NVLAP-accredited laboratory, and have determined that no Regulated ACM exists anywhere in the facility.* I also certify that I have informed the owner/operator of the facility or the demolition contractor that any						
Building Owner or Contractor	I verify that all refrigerants from air conditioning/refrigeration applia 15 (for information on CFC requirements call 692-3100). I further v disposed of in accordance with 6 CCR 1007-1 subpart 3.6.4.3 (for CHECK THE APPROPRIATE BOX:	ave been properly recovered in accordance with AQCC Regulation No. at all luminous exit signs (containing radioactive material) have been tion on luminous exit sign requirements call 303-692-3320).					
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	I bil lands	4	Phil Kangas				
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* Regul Catego probab	lated asbestos-containing materials means (a) <u>friable asbestos-containing</u> <u>ory I</u> nonfriable ACM that will be or has been subjected to sanding, <u>gri</u> ility of becoming or has become crumbled, pulverized, or reduced to	ining m inding, o powder	cutting, or abrading or (d) Category II nonfriable ACM that has become friable (c) cutting, or abrading or (d) Category II nonfriable ACM that has a high by the forces expected to act on the material in the course of				

demolition or renovation operations regulated by this regulation. Note: Asbestos-containing sheet vinyl and linoleum must be properly

Colorado Department of Public Health and Environment

Air Pollution Control Division - Indoor Environment Program - Asbestos/IAQ Air Unit 4300 Cherry Creek Drive South, APCD-IE-B1 Denver, Colorado 80246-1530 Phone: 303-692-3100 - Fax: 303-782-0278

E-mail: asbestos@state.co.us

DEMOLITION APPROVAL NOTICE

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As a contractor, you may be subject to other demolition licenses and permits, depending on the requirements of the county and municipality in which the work is being performed. The Colorado Department of Public Health and Environment, Air Pollution Control Division, strongly suggests that you check with county and municipal authorities in order to determine any other local building/permitting requirements that must be met.

Please note that certain asbestos-containing materials (ACM) may remain in the structure during demolition. Therefore, any demolition debris left behind after the completion of postdemolition site cleanup may constitute a "reason to know of asbestos-contaminated soil" at the site, subject to the requirements of Section 5.5 of the Solid Waste Regulations (6 CCR 1007-2, Part 1).

THE ORIGINAL APPROVAL NOTICE MUST BE POSTED ON SITE AT ALL TIMES.

Immediately notify the Asbestos/IAQ Unit of project modifications by fax (number above) or e-mail (address above) and the appropriate county health department by fax. Project modifications include changes in the scope of work or the scheduled work dates, etc.

> This demolition approval notice is valid beginning 7/26/2018. The actual scheduled work dates are from 7/26/2018 through 7/29/2018.

Approval issued on: 7/23/2018

Record number: 139916

Notice Number: 18DE4800D

For the location specified below:

Garage

4620 Claude Ct.

Denver

Denver County

Fee Paid: \$55.00

Check number: 5101

Asbestos Building Inspector:

Weston Short

Cerification No.: 23540

Inspection Date:

01/16/2018

This notice has been issued to:

JKS Industries, Inc. 747 Sheridan Blvd. Unit 9A Lakewood, CO 80214

Issued by: CA

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DEMOLITION NOTIFICATION APPLICATION FORM

APPLICATION FEE MUST ACCOMPANY THIS FORM INCOMPLETE APPLICATIONS WILL BE RETURNED

(Notice will be mailed to the demolition contractor unless specified otherwise)

Fee: \$50 + \$5 per 1000 ft² of area to be demolished = \$_55.00 (See instruction #1 on reverse side)

Submit form to:
Permit Coordinator
Colorado Dept. of Public
Health and Environment
APCD-IE-B1
4300 Cherry Creek Drive
South
Denver, CO 80246-1530
Phone: 303-692-3100
Fax: 303-782-0278

Asbestos@state.co.us

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	City:	State:	Zip Code: 80214	e e	Street: 4620 CLAUDE COURT				
	Telephone #	Fax#		Site	City:		County:		Zip Code:
	(303) 238-0201	(303) 238	3-0452	- lo		DENVER		ENVER	80216
	Project Manager: Seff Knight	Cell Phone # (720) 402	-4410	=======================================		Proposed Start Date			etion Date
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est nov					15285 South Golden Road, Building 47				
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4-0	Type(s) of Asbestos-Containing Material Removed:				Contact's			Telephone	
	. Vis. Bur segament	THO PROJECT				Phil Kangas	Charles and	(303) 5	12-5519
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	Date of Final Inspection CO Cer 1/16/2018 235		n Date 3/1/2019	Teleph		3) 626-7642	Cell Ph	one # (303) 52	25-6777
Building Owner or Contractor	I verify that all refrigerants from air conditioning/refrigeration applian 15 (for information on CFC requirements call 692-3100). I further ve disposed of in accordance with 6 CCR 1007-1 subpart 3.6.4.3 (for in CHECK THE APPROPRIATE BOX:			verify that	all lumin	ous exit signs (con	taining radioa	e with AQCo	C Regulation No.
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Form of Pa	yment & #: 0K 5101 / \$	55	Permit#:	2480	20	Record #390	Date Is	ssued:	41 71 711

* Regulated asbestos-containing materials means (a) friable asbestos-containing material, (b) Category I nonfriable ACM that has become friable (c) Category I nonfriable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading or (d) Category II nonfriable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations regulated by this regulation. Note: Asbestos-containing sheet vinyl and linoleum must be properly abated/removed prior to demolition.

Colorado Department of Public Health and Environment

Air Pollution Control Division – Indoor Environment Program – Asbestos/IAQ Air Unit 4300 Cherry Creek Drive South, APCD-IE-B1
Denver, Colorado 80246-1530
Phone: 303-692-3100 – Fax: 303-782-0278
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Approval issued on: 7/23/2018

Record number: 139918

Notice Number: 18DE4801D

For the location specified below:

Shed

4620 Claude Ct.

Denver

Denver County

Fee Paid: \$55.00

Check number: 5101

Asbestos Building Inspector:

Weston Short

Cerification No.: 23540

Inspection Date:

01/16/2018

This notice has been issued to:

JKS Industries, Inc. 747 Sheridan Blvd. Unit 9A Lakewood, CO 80214

Issued by: CA



Colorado Department of Public Health and Environment

DEMOLITION NOTIFICATION APPLICATION FORM

APPLICATION FEE MUST ACCOMPANY THIS FORM INCOMPLETE APPLICATIONS WILL BE RETURNED

(Notice will be mailed to the demolition contractor unless specified otherwise)

Fee: \$50 + \$5 per 1000 ft² of area to be demolished = \$55.00 (See instruction #1 on reverse side)

Submit form to:
Permit Coordinator
Colorado Dept. of Public
Health and Environment
APCD-IE-B1
4300 Cherry Creek Drive
South
Denver, CO 80246-1530
Phone: 303-692-3100
Fax: 303-782-0278

Asbestos@state.co.us

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	City:				Street:	OLAUDE COURT		
	Telephone #				City: 4620	CLAUDE COURT	Zip Code:	
	(303) 238 0207		0452	on Site	DENVER	DENVER	80216	
	Project Manager:	Cell Phone #	I miniminate	i ii	Proposed Start Date	Proposed Com	pletion Date	
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	· /pe(e) or respectes something the	terial removed.	SE HE SERVE	0	Phil Kangas		512-5519	
Certified Asbestos Inspector Certification	With my signature below, I certify that I possess current AHERA accreditation and state of Colorado certification as an Asbestos Building Inspector. I also certify that I have thoroughly inspected the facility to be demolished, as listed in the Demolition Site block above, sampled all suspect materials, had all samples analyzed for the presence of asbestos by a NVLAP-accredited laboratory, and have determined that no Regulated ACM exists anywhere in the facility.* I also certify that I have informed the owner/operator of the facility or the demolition contractor that any asbestos-containing material allowed to stay in the facility must remain non-friable during demolition. Specify type(s) of ACM remaining, below: (check appropriate box(es)): Vinyl asbestos floor tile (VAT) VAT mastic Tar/asphalt impregnated roofing Asphaltic pipe coatings Spray-applied tar coatings Caulking Glazing Other, specify: Signature: (In Blue Ink) Printed Name: WESTON SHORT							
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Building Owner or Contractor	I verify that all refrigerants from 15 (for information on CFC requisions) of in accordance with CHECK THE APPROPRIATE BOX	air conditioning/ref uirements call 692-3 6 CCR 1007-1 sub	rigeration applia	erify that	all luminous exit signs (conta	n accordance with AQ	erial) have been	
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Postmark or Hand Delivery Date: 7/2/8 Approved By:						ode: initial-310	transfer-380	
Form of Pay	yment & #: CK 5101 / I	55	Permit #:	480		Date Issued:	JKS Led	



3. Project Design



3a. Pre-Demolition Engineering Survey



Pre-Demolition Survey And General Demolition Plan For 4620 Claude Court Denver, CO 80216



Engineers: David A. Poe, P.E., S.E. Glen L. Wilson, E.I.

July 3, 2018 Project No: 180113



July 3, 2018

Stephen P. Di Nardo JKS Industries, LLC 747 Sheridan Blvd #9A Lakewood, CO 80214

Re:

4620 Claude Court, Denver, CO 80216

Pre-Demolition Engineering Survey per OSHA 1926.850(a)

And General Demolition Plan

Date of Observation:

06/20/18

Dear Mr. Di Nardo:

At the request of JKS Industries (JKS), a representative from Anchor Engineering, Inc. (AEI) performed a site observation at the above-referenced structure on Wednesday, June 20, 2018.

For the purpose of this report, there are three buildings on the property. The front elevation of the residence faces west and is parallel to Claude Street. There is a detached garage at the northeast corner of the property and a storage shed on the west side of the garage. At the time of our visit the buildings were vacant.

The purpose of our site visit was twofold:

- 1. To give an assessment of the current condition of the structure as it relates to structurally related hazards before the proposed demolition activities. OSHA 1926.850 is stated below, along with project specific applicability to the subject building.
 - a. OSHA 1926.850(a): Prior to permitting employees to start demolition operations, an engineering survey shall be made, by a competent person, of the structure to determine the condition of the framing, floors, and walls, and possibility of unplanned collapse of any portion of the structure. Any adjacent structure where employees may be exposed shall also be similarly checked. The employer shall have in writing evidence that such a survey has been performed.
 - <u>Project Specific Applicability:</u> The information contained in this report satisfies the requirement of this guideline. The subcontractor shall review this report and make a copy available to all employees on the project at the pre-project meeting, and it shall also be included in the job site books.
 - b. <u>OSHA 1926.85(b):</u> When employees are required to work within a structure to be demolished which has been damaged by fire, flood, explosion, or other cause, the walls or floor shall be shored or braced.
 - <u>Project Specific Applicability:</u> 4620 Claude Court, Denver, CO 80216 has not been damaged by any fire, flood, explosion, or any other event. Therefore, no shoring or bracing is required.
 - c. <u>OSHA 1926.850(c):</u> All electric, gas, water, steam, sewer, and other service lines shall be shut off, capped, or otherwise controlled, outside the building line before demolition work is started. In each case, any utility company which is involved shall be notified in advance.

<u>Project Specific Applicability:</u> The contractor and subcontractor will ensure all electric, gas, water, steam, sewer, and other services are to be cut off prior to any work being performed. Contractor shall confirm with KMP through the pre-demolition check list and present the necessary information in the pre-demolition meetings.



d. <u>OSHA 1926.850(d):</u> If it is necessary to maintain any power, water or other utilities during demolition, such lines shall be temporarily relocated, as necessary, and protected.

<u>Project Specific Applicability:</u> The demolition of 4620 Claude Court, Denver, CO 80216 does not require any power, water or other utilities.

e. OSHA 1926.850(e): It shall also be determined if any type of hazardous chemicals, gases, explosives, flammable materials, or similarly dangerous substances have been used in any pipes, tanks, or other equipment on the property. When the presence of any such substances is apparent or suspected, testing and purging shall be performed and the hazard eliminated before demolition is started.

<u>Project Specific Applicability:</u> All types of hazardous chemicals, gases, explosives, flammable materials, or other dangerous substances shall be removed from the structure prior to demolition as part of the pre cleaning phase during the environmental remediation. All materials are to be documented, manifested, and included in the environmental close out documents.

f. OSHA 1926.850(f): Where a hazard exists from fragmentation of glass, such hazards shall be removed.

<u>Project Specific Applicability:</u> All hazards from fragmentation of glass shall be removed in the normal course of demolition.

g. <u>OSHA 1926.850(g):</u> Where a hazard exists to employees falling through wall openings, the opening shall be protected to a height of approximately 42 inches.

<u>Project Specific Applicability:</u> No employees are permitted to enter the structure once demolition begins. Rule applies to interior demolition.

h. OSHA 1926.850(h): When debris is dropped through holes in the floor without the use of chutes, the area onto which the material is dropped shall be completely enclosed with barricades not less than 42 inches high and not less than 6 feet back from the projected edge of the opening above. Signs, warning of the hazard of falling materials, shall be posted at each level. Removal shall not be permitted in this lower area until debris handling ceases above.

<u>Project Specific Applicability:</u> No employees are permitted to enter the structure once demolition begins. Rule applies to interior demolition.

i. OSHA 1926.850(i): All floor openings, not used as material drops, shall be covered over with material substantial enough to support the weight of any load which may be imposed. Such material shall be properly secured to prevent its accidental movement.

<u>Project Specific Applicability:</u> The building is a single story structure. Refer to the demolition sequencing section of this report for further information.

OSHA 1926.850(i): Except for the cutting of holes in floors for chutes, holes through which to drop materials, preparation of storage space, and similar necessary preparatory work, the demolition of exterior walls and floor construction shall begin at the top of the structure and proceed downward. Each story of exterior wall and floor construction shall be removed and dropped into the storage space before commencing the removal of exterior walls and floors in the story next below.

<u>Project Specific Applicability:</u> The building is a single story structure. Refer to the demolition sequencing section of this report for further information.



j. <u>1926.850(k):</u> Employee entrances to multistory structures being demolished shall be completely protected by sidewalk sheds or canopies, or both, providing protection from the face of the building for a minimum of 8 feet. All such canopies shall be at least 2 feet wider than the building entrances or openings (1 foot wider on each side thereof), and shall be capable of sustaining a load of 150 pounds per square foot.

<u>Project Specific Applicability:</u> Not applicable. Building is a single story structure. No employees are permitted to enter the structure once demolition begins.

2. Provide a general outline of the demolition procedures and sequence that is proposed to be used in the demolition of the subject structure. These outlined procedures/sequences are subject to change by AEI and/or the demolition contractor based on the observed response of the structure overall and components thereof during actual demolition operations.

No architectural or structural drawings were provided for our review.

The residence is a single-story residential structure and is assumed to be founded on a rubble stone or concrete foundation. The foundation was not visible at the time of our observation, but is assumed to be a crawlspace based on the information provided on the City and County of Denver, Assessor's Office website. The residence is approximately 22'x45' with the long direction oriented east to west. The wall and roof framing is assumed to be composed of dimension lumber framing. The detached garage is approximately 18'x27' with the long direction oriented east to west. The exterior walls are multi-wythe masonry with an assumed wood framed roof and a slab on grade floor. The storage shed is approximately 6'x12' with the long direction oriented east to west. It is a wood framed structure and likely has no foundation.

Existing Condition Observation

During our site visit we made visual observations around the building perimeters only. The structures were partially exposed in some areas. All of the existing structural systems that were exposed to view appeared to be in good condition. We saw no evidence of noteworthy structural distress. It is our professional opinion that the possibility of un-planned collapse of any portion of the existing structures is very low. Workers may be allowed in the buildings to prepare them for demolition with such activities as removal of materials or other work that does not involve activities that affect existing structural systems.

Outline of Proposed Demolition Procedures, Equipment, and Sequence

Equipment

We anticipate demolition for this structure to be completed with heavy equipment including:

- "Track-hoe" excavators capable of reaching structural elements to be demolished. Excavators may be equipped at times with buckets/grapples, hydraulically actuated demolition hammers or shears, and other custom extensions for demolition and/or holding elements for temporary stability.
- Small skid steer loaders may also be utilized from time to time during demolition

Demolition Sequencing

General

After the commencement of demolition with heavy equipment, by necessity, structural systems from this point forth will be destroyed. Demolition should proceed as fast as practical until the structure is demolished in its entirety. The lateral stability of the buildings are provided by the perimeter wood-framed and masonry walls.

During demolition operations, care must be taken to protect and prevent damage to any active or live utilities both above and below ground. Utility poles and overhead power lines were observed on the property. Removal of the existing power lines is to be coordinated with Excel Energy.



During demolition, water will be used to wet down the area that is being demolished prior to starting the demolition. During the demolition process a water spray will be used to minimize the fugitive particulate matter emissions. The ground will be sprayed with water either by water truck or some type of water spray to minimize fugitive particulate emissions from haul trucks and demolition equipment.

Sequence

The residence superstructure may be collapsed into the crawlspace starting at either the west or east sides of the building and proceeding thru the length of the building in the east/west direction. Do not drive equipment onto the footprint of the building until the structure has been collapsed. The detached garage shall be demolished starting from the east or west sides and proceeding in the east/west direction. Once the roof, wall, and floor systems are demolished, the slab on grade and foundations can be removed in any sequence.

Closing

This report constitutes an engineering review and summary of the pre-demolition condition of the structural systems of the subject buildings as well as a general outline of demolition procedures and sequencing. Note that the conclusions drawn are based on visual observations and our expertise and experience with structural engineering of building structures. Unless noted otherwise, no non-destructive or destructive testing of any kind was performed, nor was any formal engineering analysis completed. These procedures/sequences outlined herein are subject to change by AEI and/or the demolition contractor based on the observed response of the structure overall and components thereof during actual demolition operations. Anchor Engineering, Inc. shall be held harmless for damage of any kind to surrounding structures or property or for injury of any kind to any person or persons. The demolition contractor is responsible for jobsite safety. The conclusions presented in this report are based on conditions noted at the time of the observation. Commentary or recommendations regarding environmental issues are beyond the scope of this report. Should questions arise, or if further information is required regarding the content of this report, please contact our office.

Sincerely, Anchor Engineering, Inc.

Glen L. Wilson, E.I. Design Engineer Reviewed By

David A. Poe, P.E., S.E.

Principal



4. Materials Summary



November 13, 2018

Jenn Bradtmueller Kiewit Infrastructure Co. 160 Inverness Drive West, Suite 110 Englewood, CO 80112

RE: AP-42 4620 Claude Ct. – Summary of Removed Materials

Dear Jenn,

Below is a summary of the materials removed from the property at 4620 Claude Ct. Denver, CO 80216.

Material Removed	Quantity
Clean Demolition Debris	352,800 Lbs

If you have any questions or require further information regarding these quantities, please contact me at 303-238-0207.

Sincerely,

JKS Industries, LLC

Jeffrey Knight President



5. Weight Tickets



5a. Daily Load Trackers and Associated Truck Tickets



Daily Load Tracker

Date:

9-22-18

Project:

Prepared By: Abo

Cascalo

Date:		12 10				<u>Material</u>	Description	Tons/Yards	Dump Site	<u>Dump Site Ticket</u> <u>Number</u>
<u>Arrival Time</u>		<u>Departure Time</u>		Load #	Truck #	<u>Code</u>	Description	10115/14140		
	am / pm		am / pm				and across	112 5 400	DADSH	18-315
9:00	an / pm	9:15	am / pm	1	15	TRASH		18 YMR8	DASS	18-315
9:15	am / pm	9:30	am / pm	2	07	TRASH		18 YDS.	SI BELLEVINE BUTTER TO THE SECOND	18-315
9:30	am / pm	9:45	am / pm	3	14	TRASH	DEMO DEBRIS	18 405	DATS	18-315
9:45	am / pm	10:00	am / pm	4	06	TRASH	DEMO DEBRIS	18405	DATS	18-315
11:15	(atn / pm	11:30	am / pm	5	15	TRASH	DEMO DEBRIS	18 403	DATS	
11:30	am / pm	11:42	am / pm	6	07	TRASH	DEMO DEBRIS	18 YOS	DATIS	18-315
11:42	am/pm	11:58	am / pm	7	14	TRASH	DEMO DEBRIS	18405	DATIS	18-315
11:58	(am) / pm	12:12	am / pm	3	06	TRASH	DEMO DEBRIS	18 78	DATIS	18-315
1:05	am /pm	1:23	am / pm	9	6.5	TRASH	DEMO DEBRIS	18405	DADS	18-315
1: 25	am / pm	1:40	am / pm	10	07	TRASH		18 405	DATIS	18-315
1:45	am / pm	2:00	am / pm	11	14	TRASH	DEMO DEBRIS	18 405	DATS	18-315
2:00	am / pm	2:15	am / pm	12	06	TRASH	DEMO DEBRIS	18 YDS	DATS	18-315
3:45	am /pm	3.55	am / pm	13	15	TRASH	DEMO DEBRIS	18405	DATS	18-315
3:55	am / pm	4:10	am / pm	14	14	TRASH	DEMO DEBRIS	18 405	DADS	18-315
	am / pm		am / pm							
	am / pm		am / pm							
A CONTRACTOR	am / pm		am / pm							
	am / pm		am / pm							
	am / pm		am / pm							
	am / pm		am / pm							
	am / pm		am / pm							
	am / pm		am / pm						,	
	am / pm		am / pm							
	am / pm		am / pm							

Legend:

Materials:

R = Recycle T = Trash Description:

Concrete, Asphalt, Asbestos, Lumber, Construction Debris, Trash, Metals,

Date: August 22 2018									
Job# 4620 claude Job Name: CT DENVER									
Contractor:									
Driver: Sal	Truck# 15								
Start Time: 2 - 00 From: 4620 C/A V	Stop Time:	6-30							
From: 4620 C/A VC	de To: DF	705 LAN	d Biend						
Material: Demoti7	Weight/	Ticket #	Hours						
Time Time	Tons	TICKEL#	Hours						
830 (010		18-315							
11-00 12 20		18-215							
(-10 2-20	6 6	18-315							
3-15-5000		18-315							
			,						
	-		4						
	-		,						
Total Load:		Total Hours:	,						
Job Supt. Signature:	Driver's	Signature: 50/	Cerne						

D	1 -			
Date:	ruguet 27	7018	2	
Job# 18	-315	Job Name:		
Contracto	or:			
Driver: \<	Ludrige	Truck# O		
Start Time	: 7:00 APA	Stop Time: 5	30	
From: 462	20 Claude c	t. To: Dad	s Land Gill	
Material:	Demo			
Load Time	Dump Time	Weight/ Tons	Ticket #	Hours
9:50	10:51		18-315	
12:05	12:58		18-315	
2:15	3:15		18-315	
			100	
			2 1	
otal Load:			Total Hours:	
	ature:	Drivar's Si		Ranka
		511761 3 31	Augraie. 11001190	- CIVILAN

Date: A	-315	2018					
Job# 18	-315	Job Name:					
	JKS						
	lias	Truck# 14					
Start Time:	7:00 com c	Stop Time: 53	0				
From: 40	eas cloud a	To: DAd	5				
Material: 1	rash Corch		S				
Load Time	Dump Time	Weight/ Tons	Ticket #	Hours			
9:21	10:08						
11:45	12:42						
1:50	2:50						
77							
	,						
	,						
Total Load:	3 loads	,	Total*Hours:				
Job Supt. Signature: Driver's Signature:							

A				
Date:	Higust 22	2018		
Job#	8-315	Job Name:		
Contracto	or:			
Driver:	+1 berto	Truck# D'7		
	e:7.00		30	
From: 4	620 Elaude C	+ To: Den	ier Dads	
Material:	dEMOZISI	ON		
Load Time	Dump Time	Weight/ Tons	Ticket #	Hours
	9.40		18-315	
11 - 33	12.26		18-315	
1.26	2.36		18-315	
5.54	4.59		18.315	
				-
otal Load:			Total House	
	eturo:	B	Total Hours:	1600
Jupi. Oigile	ature:	Driver's Si	gnature:	17 5V



5b. Waste Weight Tickets



Denver Arapahoe Disposal 3500 S Gun Club , PO Box 460397 Aurora, CO, 80018 Ph: (720) 876-2620

Original Ticket# 3197140

Customer Name JKSINDUSTRIESLLC JKS Industri Carrier JKS INDUSTRIES JKS INDUSTRIES Ticket Date 08/22/2018 Vehicle# 1 Volume

Payment Type Credit Account Manual Ticket#

Container Driver Check#

Billing # 0014925

Route State Waste Code Manifest Destination

Gen EPA ID Grid

Profile ()

Hauling Ticket#

Generator

Time In 08/22/2018 06:14:08 MANUAL WT Out 08/22/2018 06:14:08

Scale

Operator aramirez aramirez * Manual Weight

Inbound

Gross Tare Net Tons

2 15* 1 1b* 1 16

Comments 14 loads x 18 cyds per load = 252cyds

PLEASE MAKE SURE YOUR TICKET IS CORRECT BEFORE SIGNING.

Proc	luct	LD%	Qty	UOM	Rate	Fee	Amount	Origin
serv favor report to	en anne american de la company	MINE COST WARE COST MINE TAKE THE COST	ri vēdna celni sastu sastu tēdās septr septa sābaš septa	MARK CHIEF CON'S CALSE FORCE MAKES STORE COM-	TO LABOUR LABOR CASTS, THOSE PERSON SAFETY PROSE AND AND COMMISSION OF THE COMMISSIO		COME STITE AND ADDRESS OF THE STITE SAME AND STOPP GROW AND STITE ABOUT T	much reads entire weak report crisis edge plans plant recognition creed
1	CDY-CONST DEBRIS	- 100	252.00	Vards				

10	
icket#: 18 370	**** ********************************
JKS INDUSTRIES CENTRAL 70 PROJECT	
SPOSAL SITE: DAD	5
ER,	
Lerma	
18-315	136
	136
18-315	136 102 3
/8-3/5 cket#: \B	<u>₩-23</u>
/8-3/5 cket#: \B	<u>₩-23</u>
	YDS HIGHSIDES ISPOSAL SITE: DAD 500 S GUN CLUB RD URORA CO 80018

Date: 8-22-18	Ticket#: 18-315	
ACCT#:306-14925	JKS INDUSTRIES CENTRAL 70 PROJECT	
CDY 18 YDS	25 YDS HIGHSIDES	
DRIVER: Signature: 5 91	AURORA CO 80018	
		139
Date: 8-22-18	Ticket#: 18-315	
ACCT#:306-14925	JKS INDUSTRIES CENTRAL 70 PROJECT	
CDY 18 YDS	25 YDS HIGHSIDES	
	3500 S GUN CLUB RD AURORA CO 80018	
Signature: Signature:		

Date: 8-22-18	Ticket#:
ACCT#:306-14925	JKS INDUSTRIES CENTRAL 70 PROJECT
CDY 18 YDS	25 YDS HIGHSIDES DISPOSAL SITE: DADS 3500 S GUN CLUB RD AURORA CO 80018
DR Signature:	IVER
Date: 8-22-18	Ticket#: 18-315
ACCT#:306-14925	JKS INDUSTRIES CENTRAL 70 PROJECT
CDY 18 YDS	25 YDS HIGHSIDES DISPOSAL SITE: DADS 3500 S GUN CLUB RD AURORA CO 80018
Signature: 3h DR	RIVER

Date: 8-22-18	Ticket#: 18-315	
ACCT#:306-14925	JKS INDUSTRIES CENTRAL 70 PROJECT	
CDY 18 YDS	_ 25 YDS HIGHSIDES DISPOSAL SITE: DADS 3500 S GUN CLUB RD AURORA CO 80018	
Signature: Sal	RIVER	
		143
Date: 8-22-18	Ticket#: <u>/8-3/5</u>	
ACCT#:306-14925	JKS INDUSTRIES CENTRAL 70 PROJECT	
CDY 18 YDS	_ 25 YDS HIGHSIDES DISPOSAL SITE: DADS 3500 S GUN CLUB RD AURORA CO 80018	
D	RIVER	
Signature:		

Date: 8-22-18	Ticket#: <u>18-315</u>
ACCT#:306-14925	JKS INDUSTRIES CENTRAL 70 PROJECT
CDY 18 YDS	25 YDS HIGHSIDES DISPOSAL SITE: DADS 3500 S GUN CLUB RD AURORA CO 80018
Signature: Rodrigo	Rownen
Date: 8-22-18	Ticket#: 18-3/5
ACCT#:306-14925	JKS INDUSTRIES CENTRAL 70 PROJECT
CDY 18 YDS	25 YDS HIGHSIDES DISPOSAL SITE: DADS 3500 S GUN CLUB RD AURORA CO 80018
Signature:	RIVER

Date: 8-22-18	Ticket#:	
ACCT#:306-14925	JKS INDUSTRIES CENTRAL 70 PROJECT	
CDY 18 YDS	25 YDS HIGHSIDES DISPOSAL SITE: DADS	
DRIVER:	3500 S GUN CLUB RD AURORA CO 80018	
		147
Date: 8-22-18	Ticket#: 18-315	
ACCT#:306-14925	JKS INDUSTRIES CENTRAL 70 PROJECT	
CDY 18 YDS	25 YDS HIGHSIDES DISPOSAL SITE: DADS	
	3500 S GUN CLUB RD AURORA CO 80018	
DRIVER:		
SIGNATIINA'		

Date: 8-22-18	Ticket#: <u>/8-3/5</u>	
ACCT#:306-14925	JKS INDUSTRIES CENTRAL 70 PROJECT	
CDY 18 YDS	_ 25 YDS HIGHSIDES DISPOSAL SITE: DADS 3500 S GUN CLUB RD AURORA CO 80018	
DRIVER Signature:		
		14
Date: <u>8-12-18</u>	Ticket#: <u>18-315</u>	
ACCT#:306-14925	JKS INDUSTRIES CENTRAL 70 PROJECT	
CDY 18 YDS	_ 25 YDS HIGHSIDES DISPOSAL SITE: DADS	
	3500 S GUN CLUB RD AURORA CO 80018	
DRIVER		
Signatura: Oliver		



6. Dump Diversion Summary

JKS Industries AP-42 4620 Claude Ct.

	Descriptions				Dump D	<mark>iversion / R</mark>	ecycle %			
Phase	Activity	Unit of	# of Yards	<u># of</u>	<u>Total</u>	<u>Pounds</u>	<u>Total</u>	Recycled	<u>Pounds</u>	<u>% of</u>
		<u>Measure</u>	<u>per</u>	<u>Containers</u>	Number of	<u>Per</u>	<u>Lbs</u>	Yes/No	of Recycle or Dump	Recycle or Dump
			<u>Container</u>		<u>Yards</u>	Yard **			<u>Diversion</u>	<u>Diversion</u>
Abatement	Trash Rolloff	Cubic Yard	-	-	-	450.00	-			
Abatement	Asbestos Containers	Cubic Yard	-	-	-	500.00	-			
					-		-			
Demolition	Demolition Construction Debris	Cubic Yard	18	14	252.00	1,400.00	352,800			
Demolition	Concrete Debris	Cubic Yard	12	-	-	4,050.00	-	X	-	0.00%
Demolition	Trees	Cubic Yard	-	-	-	500.00	-	Х	-	0.00%
Demolition	Steel	Lbs	12	-	-	1,000.00	-	Х	-	0.00%
Demolition	Copper	Lbs					-	X	-	0.00%
				14	252.00		352,800		•	0.00%

STUDY NOTES

- 1 The source material used for the Volume to Weight conversions came from Waste Management web site.
- 2 Conversions ratio's have been modified based on estimated compaction.



7. Daily Logs

JKS Industries **ON-SITE DAILY SIGN- IN SHEET**

Project Name: AP 42 / Control
Project NO: AD - 42
Supervisor: Abel Casado

8-21

NAME	Initial	EMPLOYER	TIME IN	TIME OUT	TIME IN	TIME OUT	TOTAL
Abel Casado	AB	Jes	12 PM	5:30			
Jean Parrasa		JKS	12 PM	5:30			
OREL CAMADA	D.	JKS	7:00	5:00			
MBEL CASADO	+ 7	JKS	7:00	5:00			
van Besseza	B		1-00	3.00			
					*		
•		-					
							-
				-			
	-						
	-						
	-						
						TOTAL	

Job # 19-42	JKS IDUSTRIES LLC Job Name:	DAILY PROJECT LO	Report #	AP 4
Date 8-21-18 Day_	Tue,	Month	Aug Year	2018
Project Manager _		Su	perintendent Macio	H
Vork Performed Today			Weather: 76	
Demo house using	the 210 exc	avator	Temp. HiLow	
Jemo trassitence Jo	and garage		Safety Meeting	5
	0 0		Topic: felling object Work Force	lumber
				lumber
			Project Manager Project Supervisor	
is water trail	LV for week d	251 00015	Operators	
usl venter trail	U FOV WEED O	just contral.	Laborers	
			Tradesmen	
			Other:	
			Other:	
			Other:	
			Materials Used	Quantity
	*		Material Purchased/D	elivered
		H.		
Problems - Delays, Safety Issue	S			
	Done			
	Pene			
Outro outro oto a Dan anno o				
Subcontractor Progress				
		-		
Inspections				
	valer			
Equipment Rented Today	Rented From	Insp Chklist Complete?	Equipment	Hour
HO ex	United Konfal	445	246 ex	
Visitors (Incl. Subs, Clients, etc)	Time In/Time Out	Activity Onsite		