 <p style="text-align: center;">Council Communication Office of the City Manager</p>	Date: February 6, 2017
	Agenda Item No. 42 Roll Call No. <u>17-0215</u> Communication No. <u>17-049</u> Submitted by: Phillip Delafield, Community Development Director

AGENDA HEADING:

Authorizing issuance of demolition permits allowing implosion of 3 Mercy Park apartment buildings located at 1121 3rd Street.

SYNOPSIS:

Demolition contractor DW Zinser is requesting Council approve the issuance of a demolition permit for the use of explosives to implode three (3) apartment buildings located at 1121 3rd Street. DW Zinser Company and Dykon Explosive Demolition Corporation have been working with Des Moines Police, Fire, Engineering, and Community Development Department staff to develop an implosion plan that will be safe for the site and neighboring areas. Implosion is preferred over typical demolition because of the reduced demolition timeframe, duration of dust and noise production, and negative impacts to neighboring areas. Implosion is tentatively planned to take place early in the morning on a Sunday, March 12th or March 19th.

FISCAL IMPACT: NONE

ADDITIONAL INFORMATION:

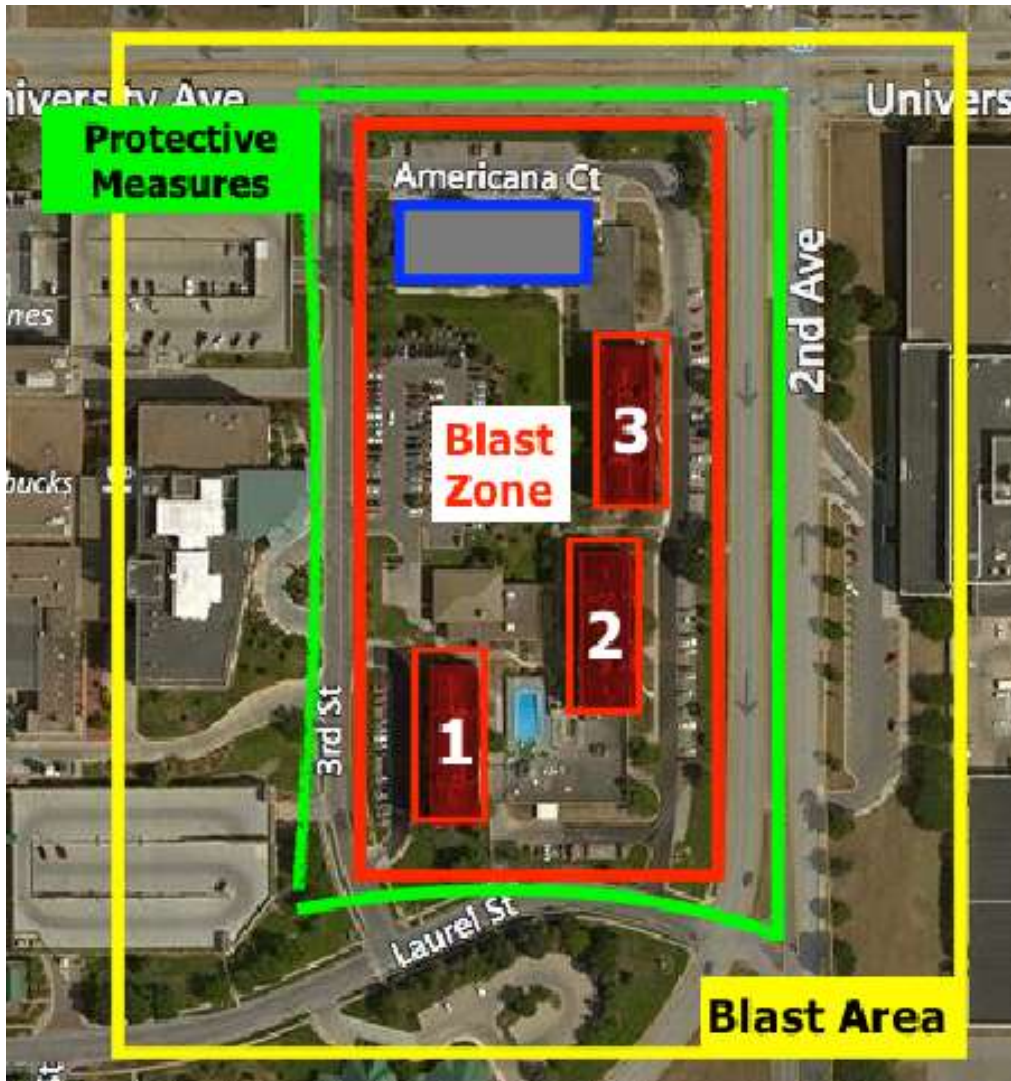
Overview of demolition process:

1. Immediate area surrounding buildings is fenced for security purposes.
2. Flying debris is contained to the site with geotech fabric curtains, fencing, and the natural slope of the site.
3. Explosive charges are delivered to the site after structures have been prepped and protection features are in place. Police officers maintain site security 24-hours per day once explosives are on site.
4. Columns are loaded with explosive charges.
5. Safety perimeter surrounding the site is vacated of vehicles the day before the implosion, see map.
6. Safety personnel patrol and maintain clear safety perimeter starting one (1) hour before implosion.
7. Five (5) minute countdown begins prior to implosion. Implosion procedure is stopped at any time if safety concerns arise.
8. Implosion blast sequence initiated.
9. Series of explosions will be heard within the buildings. They will collapse over a period of nine (9) seconds.

- 10. Dust cloud generated from the buildings collapse will take five (5) minutes to settle.
- 11. Building debris removal process begins.

The Building Official, Fire Chief, and Police Chief are confident that the proposed plan will maintain a safe environment for the site and surrounding areas before, during, and after the implosion. Staff will continue to work with DW Zinser to ensure all safety requirements have been met prior to issuing the demolition permit.





PREVIOUS COUNCIL ACTION(S): NONE

BOARD/COMMISSION ACTION(S): NONE

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS: NONE

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