PROJ: 1209230 – Old Cheney Drainage
PEN:
USER: mogger
DATE: 11/9/2012
DGN:

ALTERNATIVE 1:

* No significant improvements will be made to the channel along Old Cheney Road.
* A proposed 4 foot drop structure with riprap will be built where shown to stop channel erosion.

Results:
* Old Cheney Road would flood from the channel at less than a 2 year storm event.

KIRKHAM MICHAEL

CITY OF LINCOLN NEBRASKA

PROJECT NO.	SHEET NO.
705323	1
Date: 11/9/2012	Drawn: MDE
Horz. Scale 1:60	Checked: SMI
	Approved: SMI

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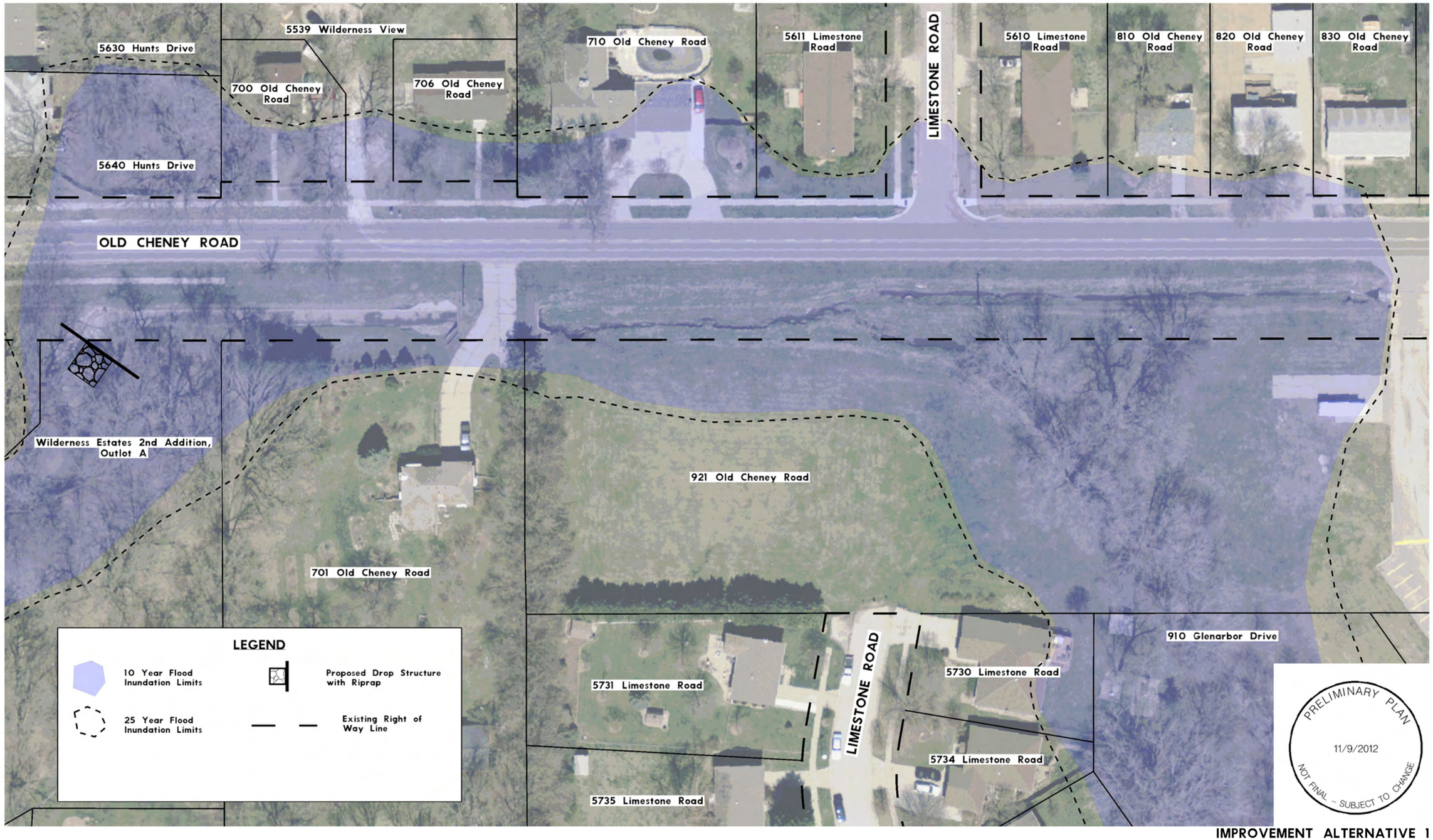

PRELIMINARY PLAN
11/9/2012
NOT FINAL – SUBJECT TO CHANGE

IMPROVEMENT ALTERNATIVE 1

PROJ: 1209230 – Old Cheney Drainage
PEN:
USER: mogger
DATE: 11/9/2012
DGN:

ALTERNATIVE 2:

* The existing driveway at 701 Old Cheney Road will be removed and relocated to Limestone Road.
* The exiting double 48-inch pipe culvert at 701 Old Cheney Road will be removed.
* No significant improvements will be made to the channel along Old Cheney Road.
* A proposed 4 foot drop structure with riprap will be built where shown to stop channel erosion.

Results:

* Old Cheney Road would flood from the channel at greater than a 4 year storm event.

KIRKHAM MICHAEL

CITY OF LINCOLN NEBRASKA

PROJECT NO.	SHEET NO.
705323	2
Date: 11/9/2012	Drawn: MDE
Horz. Scale 1:60	Checked: SMI
	Approved: SMI

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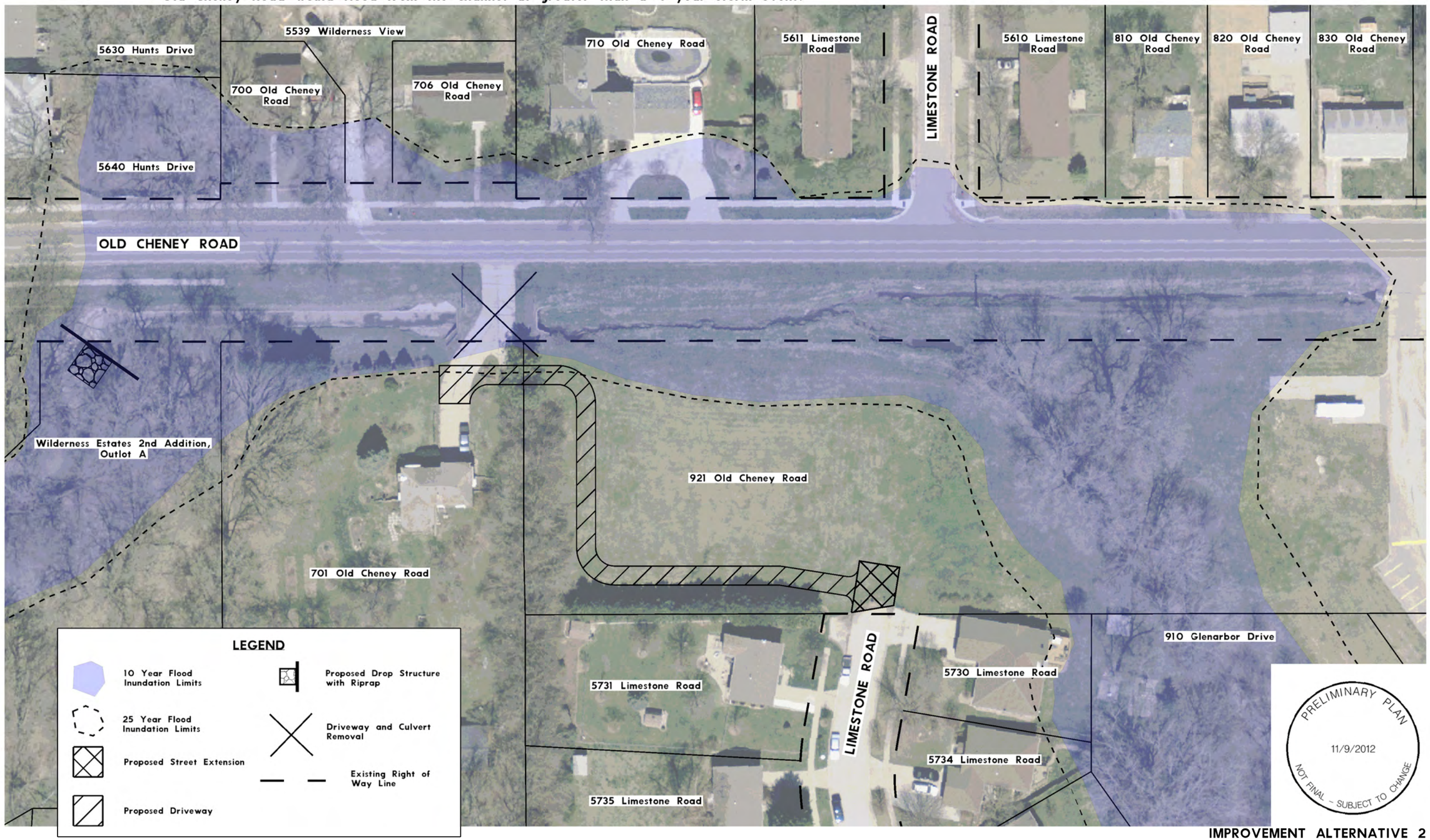

PRELIMINARY PLAN
11/9/2012
NOT FINAL – SUBJECT TO CHANGE

IMPROVEMENT ALTERNATIVE 2

PROJ: 1209230 - Old Cheney Drainage
PEN:
USER: mogger
DATE: 11/9/2012
DGN:

ALTERNATIVE 3:

* The existing driveway at 701 Old Cheney Road will be removed and relocated to Limestone Road.
* The existing double 48-inch pipe culvert at 701 Old Cheney Road will be removed.
* The channel along Old Cheney will be widened to a 10 foot bottom.
* The channel will be deepened 2 ft along Old Cheney Road.
* Two proposed 2 foot drop structures with riprap will be built where shown to stop channel erosion.

Results:

* Old Cheney Road would flood from the channel at greater than a 25 year storm event.

KIRKHAM MICHAEL

CITY OF LINCOLN NEBRASKA

PROJECT NO.	SHEET NO.
705323	3
Date: 11/9/2012	Drawn: MDE
Horz. Scale 1:60	Checked: SMI
	Approved: SMI

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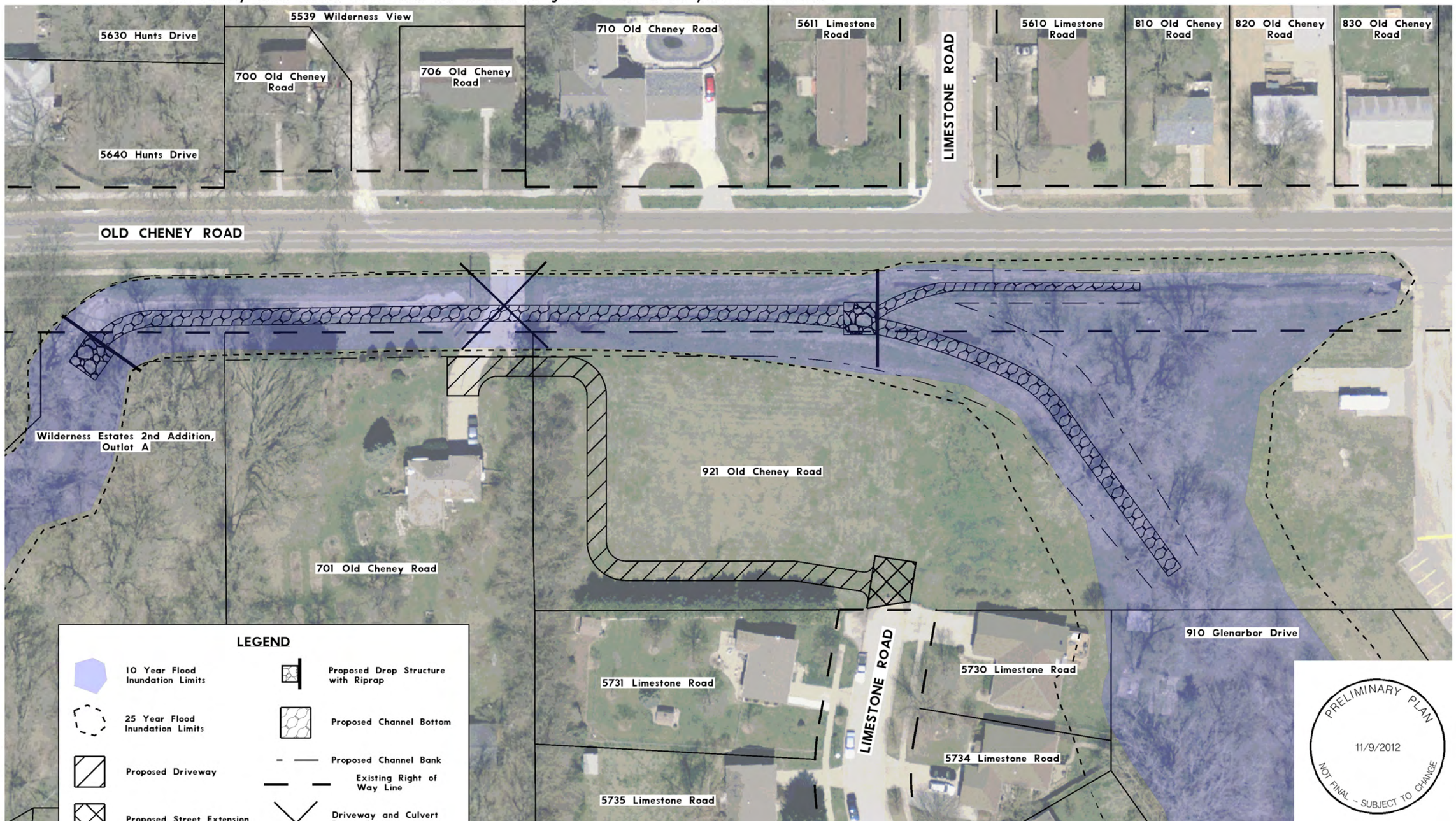


PRELIMINARY PLAN
11/9/2012
NOT FINAL - SUBJECT TO CHANGE

IMPROVEMENT ALTERNATIVE 3

PROJ: 1209230 – Old Cheney Drainage
PEN:
USER: mogger
DATE: 11/9/2012
DGN:

ALTERNATIVE 4:

* The existing driveway and culvert at 701 Old Cheney Road will be removed.
* The driveway will be reconstructed with a double 10 foot x 7 foot concrete box culvert with two adjacent 48-inch RCP pipes.
* The channel along Old Cheney will be widened to a 10 foot bottom and will transition to 20 feet wide near the culvert.
* The channel will be deepened 2 ft along Old Cheney Road.
* Two proposed 2 foot drop structures with riprap will be built where shown to stop channel erosion.

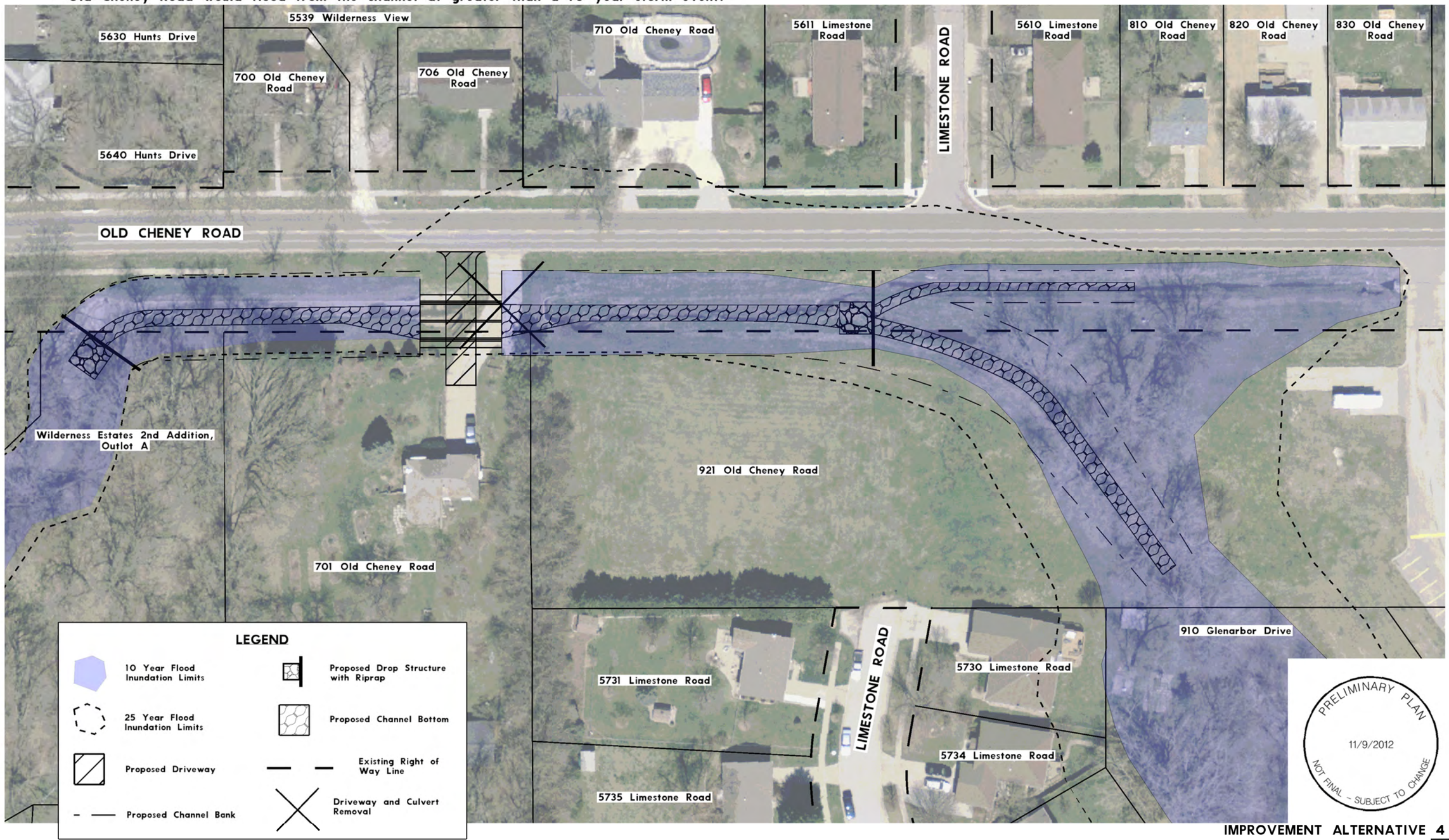
Results:

* Old Cheney Road would flood from the channel at greater than a 10 year storm event.

KIRKHAM MICHAEL
CITY OF LINCOLN NEBRASKA

PROJECT NO.	SHEET NO.
705323	4
Date: 11/9/2012	Drawn: MDE
Horz. Scale 1:60	Checked: SMI
	Approved: SMI

0 30 60



PRELIMINARY PLAN
11/9/2012
NOT FINAL – SUBJECT TO CHANGE

IMPROVEMENT ALTERNATIVE 4