



**12th St. and Sawmill Rd. Intersection
Geometric Improvements**

**12th St. and Mountain Rd. Intersection
Northbound and Southbound Left-turn
Improvement.**

© 2015 Pictometry



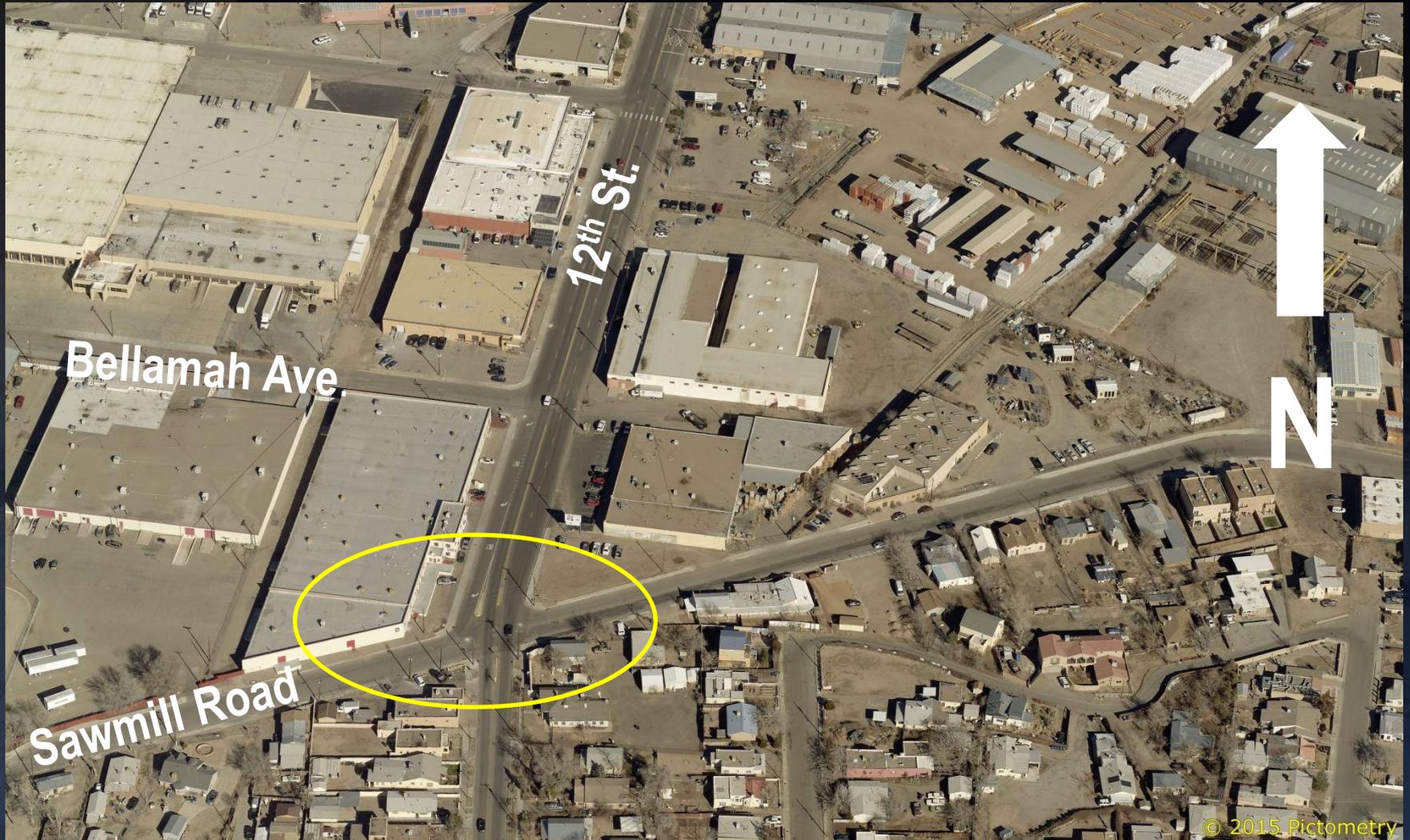
Purpose of the Project

Improve the geometry of the 12th St. and Sawmill Rd. intersection.

- Reduce the number of southbound vehicles turning right onto Sawmill Rd. from 12th St.
- Improve parking and complete the sidewalks on the west leg of Sawmill Rd.

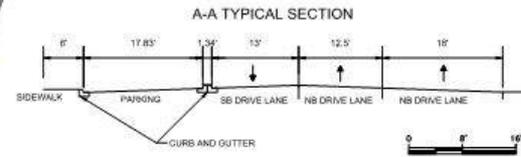
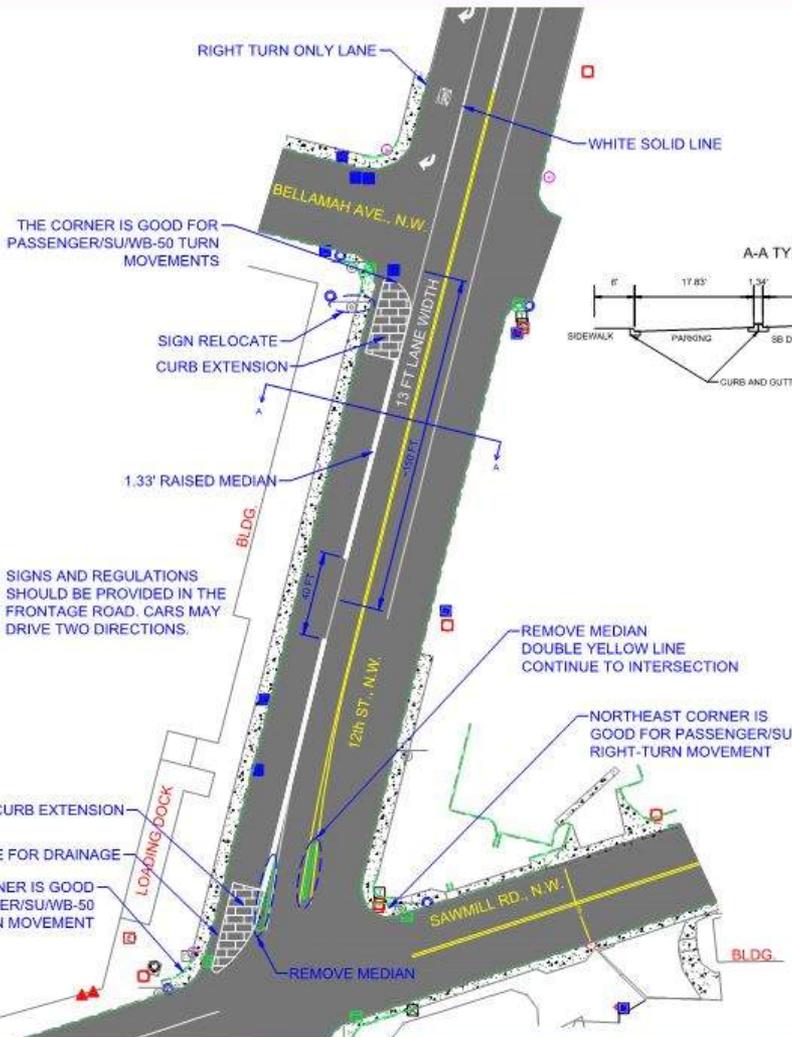
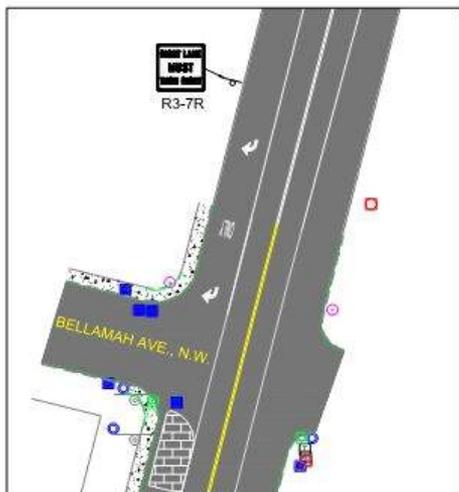


Project Location, 12th St. and Sawmill Rd.



Option 1, Lane Closure Raised Median with Curb Extensions

OPTION 1 RAISED MEDIAN WITH CURB EXTENSION



NO.	DESCRIPTION	DATE	BY

REVISIONS (OR CHANGE NOTICES)

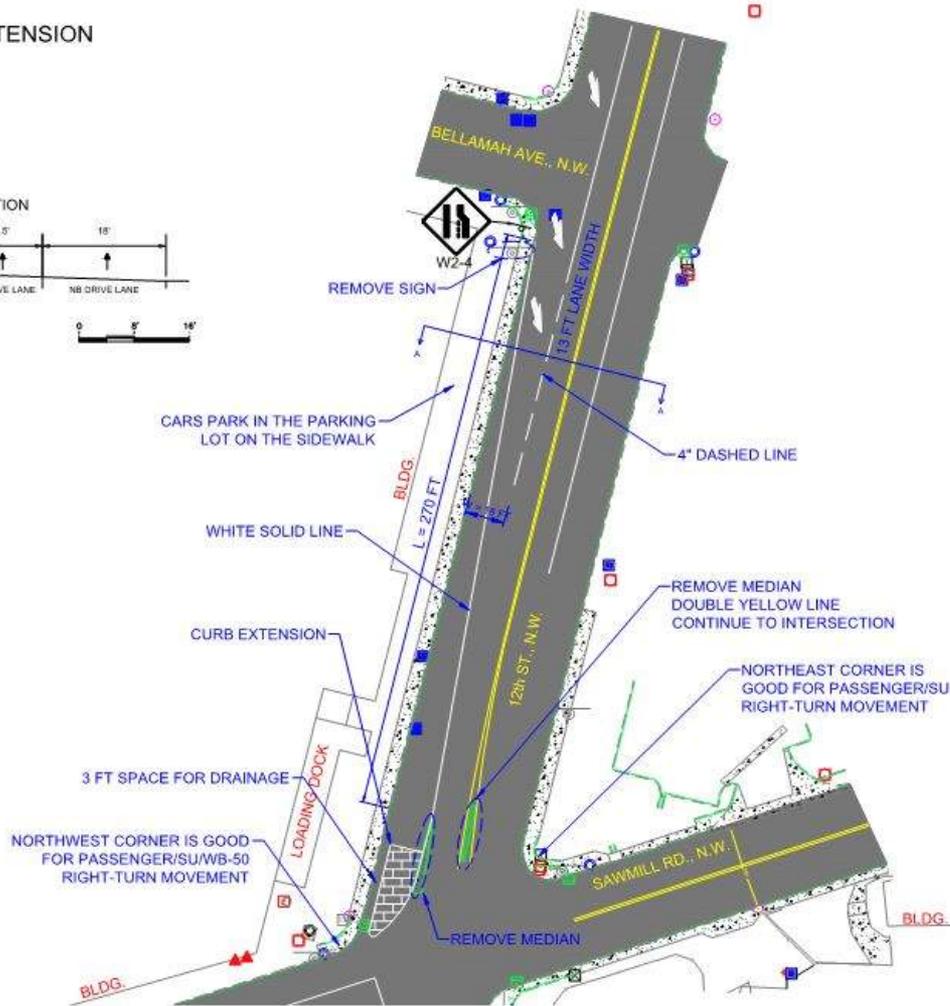
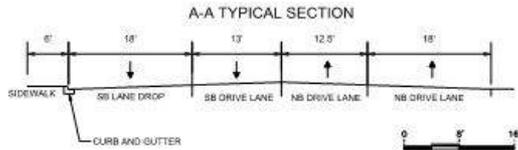
CITY OF ALBUQUERQUE

12TH STREET & SAWMILL
12TH STREET CORNER



Option 2, Lane Drop with Curb Extension

OPTION 2 LANE DROP WITH CURB EXTENSION



S (POSTED SPEED) = 30 MPH
W = 18 FT
L (TAPER LENGTH) = $WS^2/160 = 270$ FT

NO.	DESCRIPTION	DATE	BY

REVISIONS (OR CHANGE NOTICES)

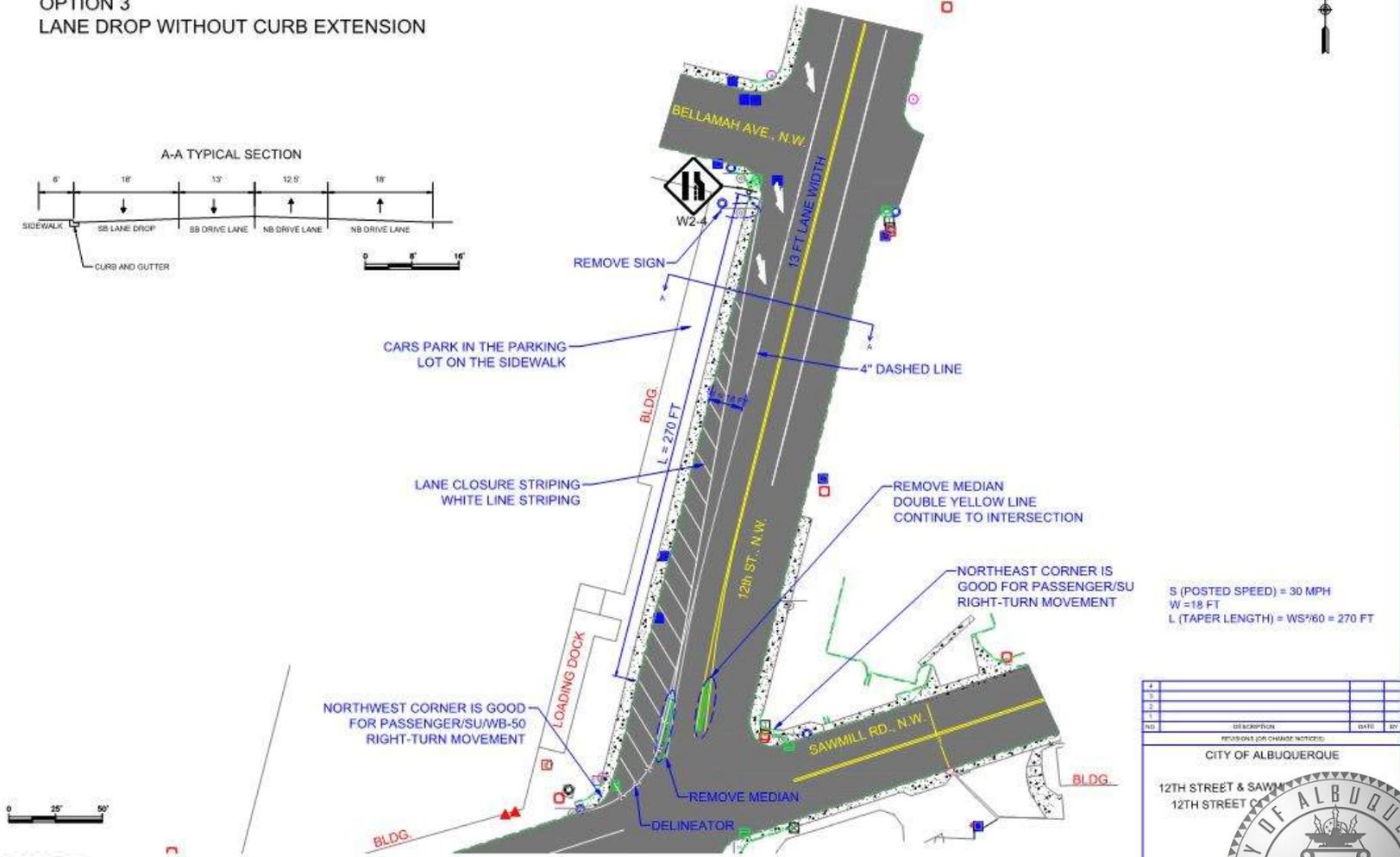
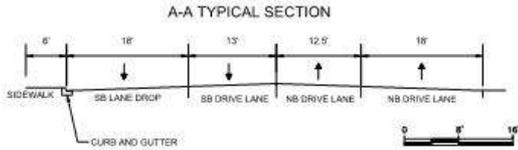
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12TH STREET & SAWMILL
12TH STREET CORNER



Option 3, Lane Drop Paint with delineators

OPTION 3 LANE DROP WITHOUT CURB EXTENSION



S (POSTED SPEED) = 30 MPH
 W = 18 FT
 L (TAPER LENGTH) = $WS^2/60 = 270$ FT

NO.	DESCRIPTION	DATE	BY

REVISIONS (OR CHANGE NOTICES)

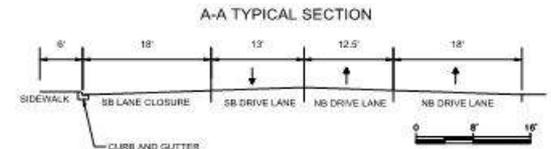
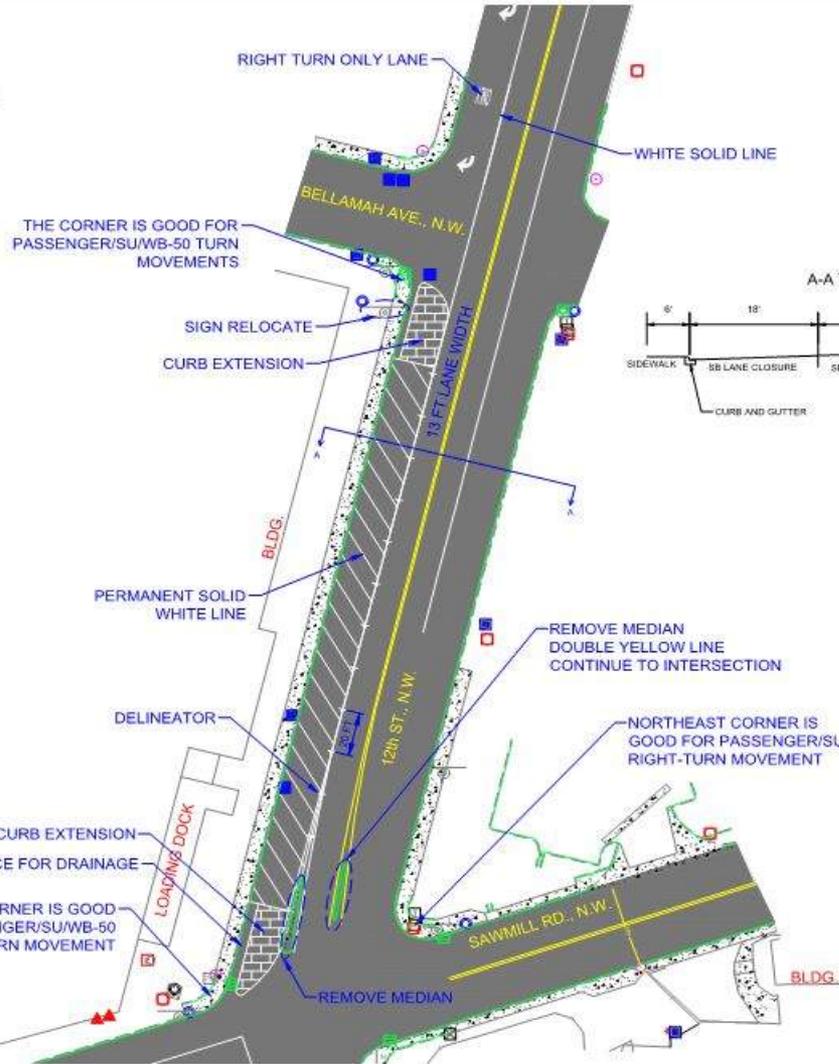
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12TH STREET & SAWMILL RD.
 12TH STREET



Option 4, Lane Closure Delineators and Curb Extensions

OPTION 4 LANE CLOSURE WITH CURB EXTENSION



NO.	DESCRIPTION	DATE	BY

REASONS FOR CHANGE NOTICED

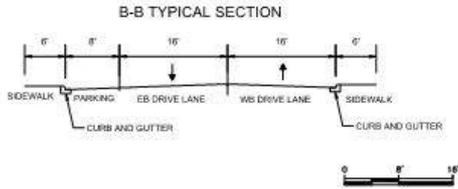
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12TH STREET & SAWMILL RD.
12TH STREET & SAWMILL RD.

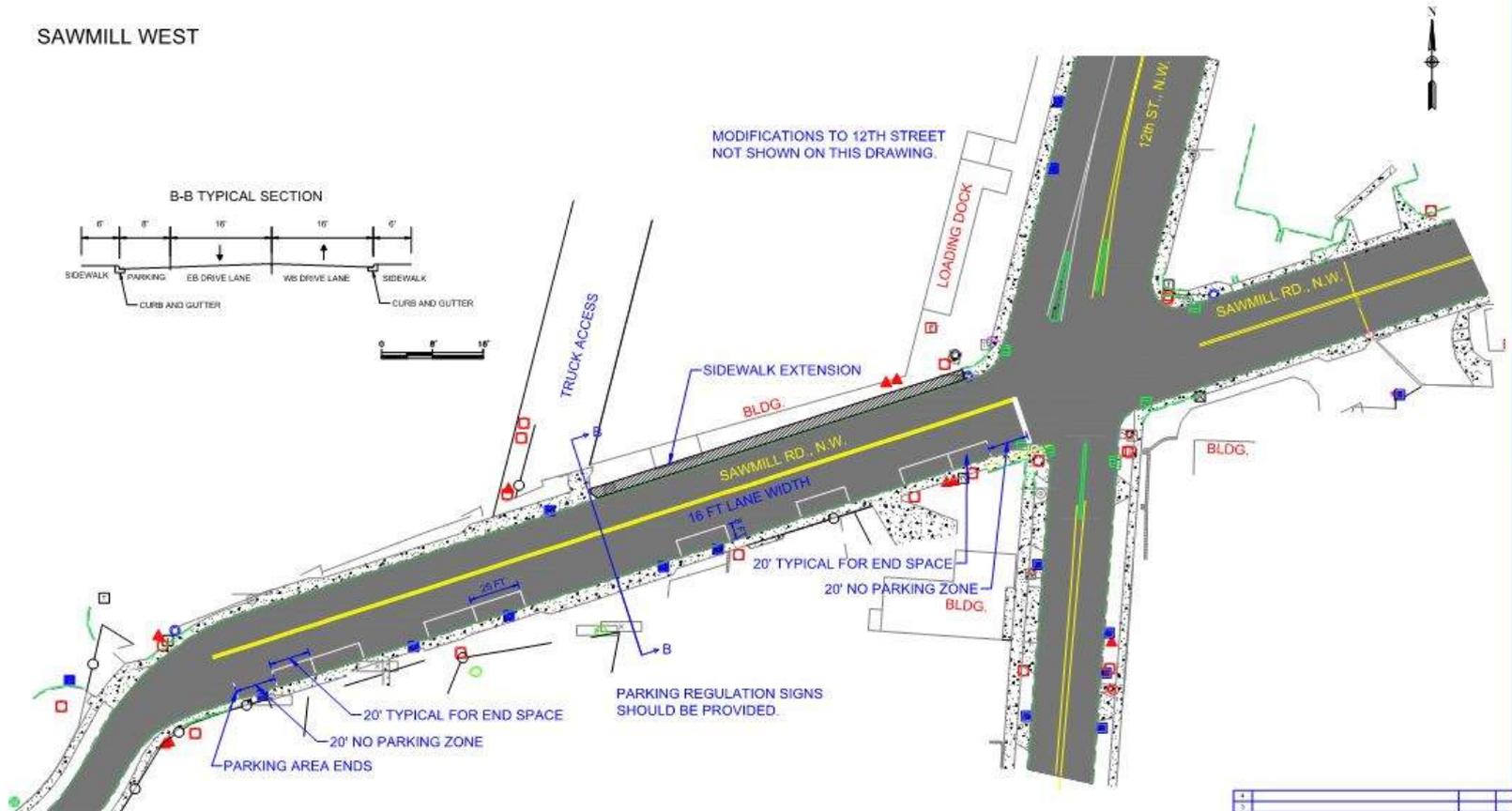


Sawmill Improvements

SAWMILL WEST



MODIFICATIONS TO 12TH STREET NOT SHOWN ON THIS DRAWING.



NO.	DESCRIPTION	DATE	BY

REVISIONS (OR CHANGE NOTICES)

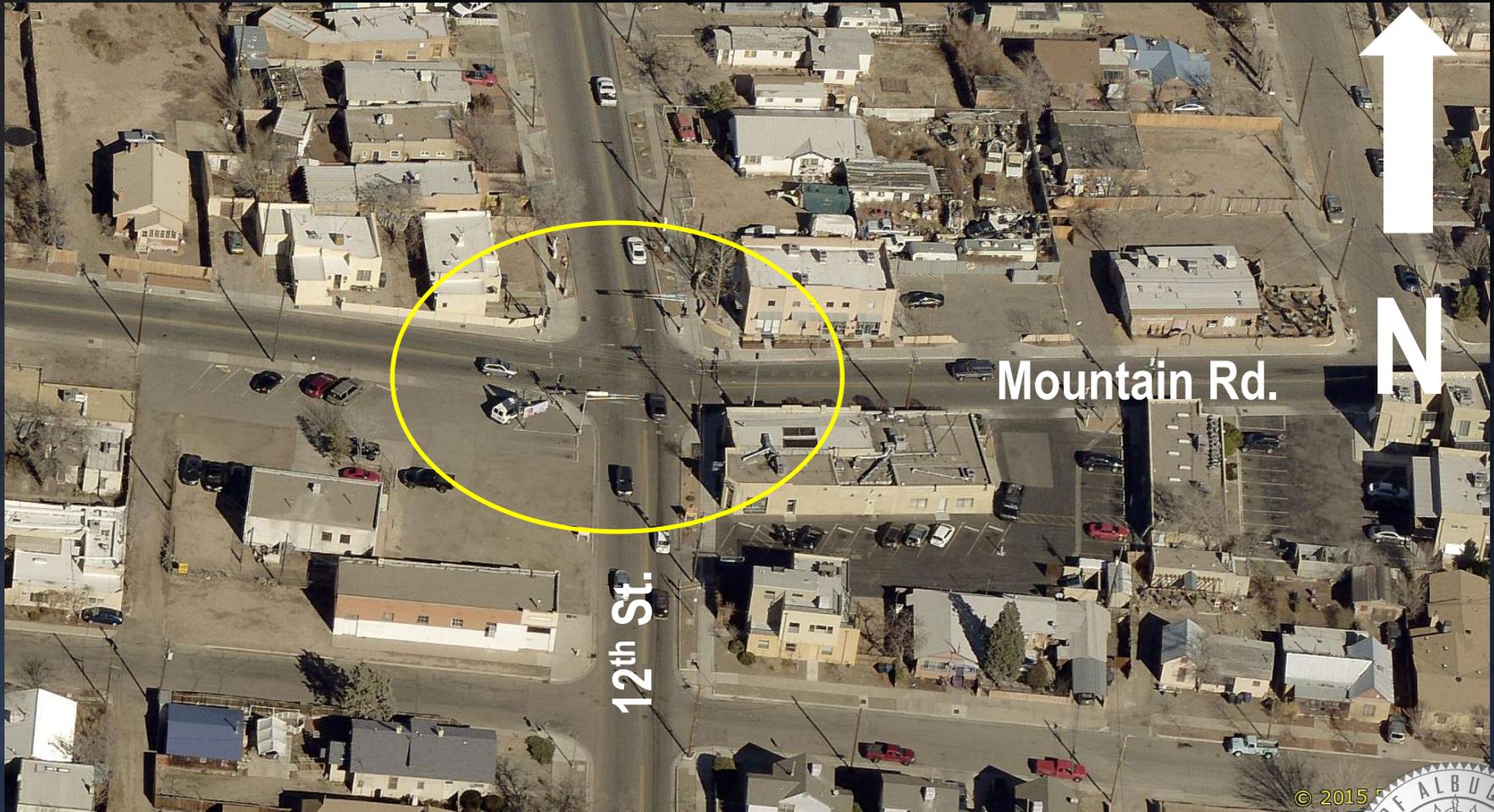
CITY OF ALBUQUERQUE

12TH STREET & SAWMILL INTERSECTION
SAWMILL CONCEPT PLAN

9/20/16



Project Location, 12th and Mountain



Purpose of the Project

Improve traffic signal operation for the 12th St. and Mountain Rd. intersection

- Reduce delay due to northbound and southbound left-turns



12th St. and Mountain Rd. Traffic

- Traffic Signal Cycle Length: 48 seconds
- Current Level of Service: B
- Future (year 2040)
 - C in AM
 - B in PM
- Queue Length: approximately 13 vehicles



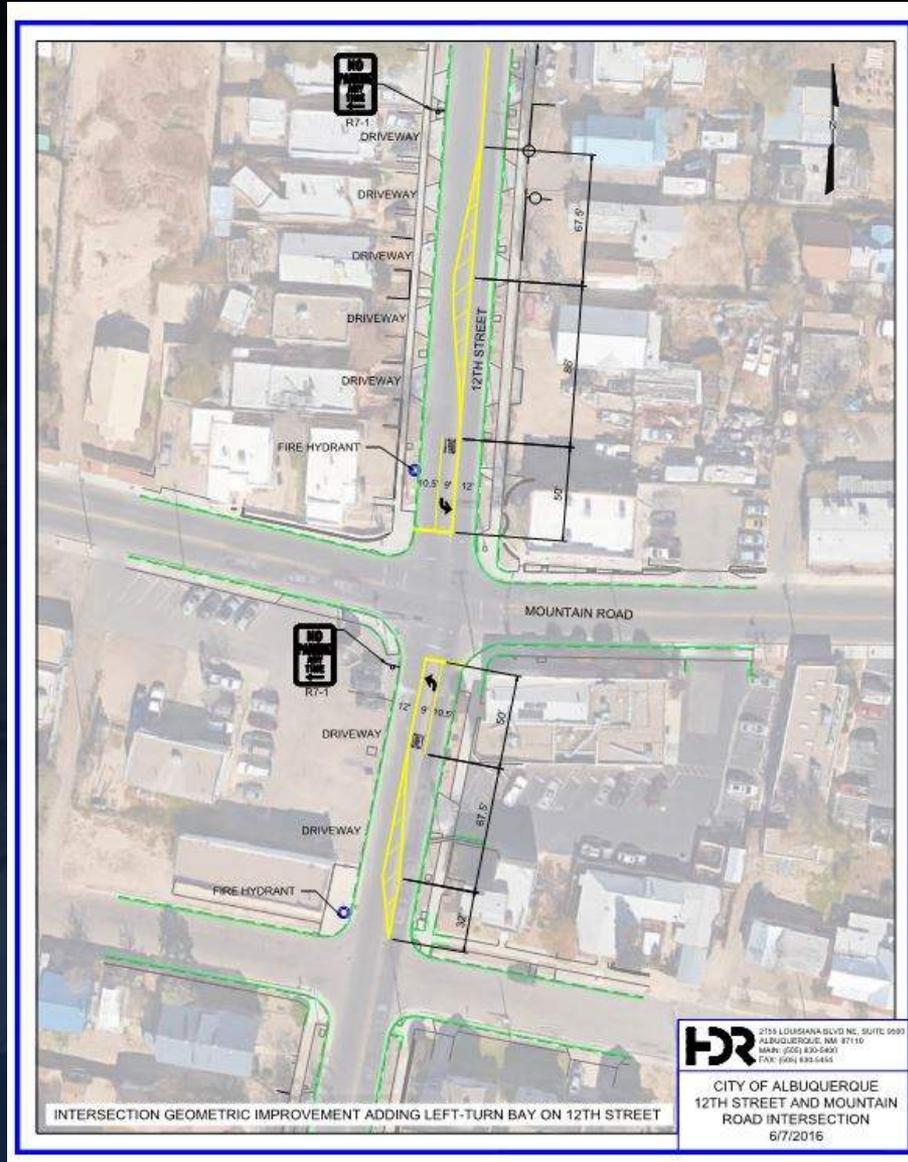
12th St. and Mountain Rd. Traffic Signal Timing Improvements

Split Phase Timing on 12th St.

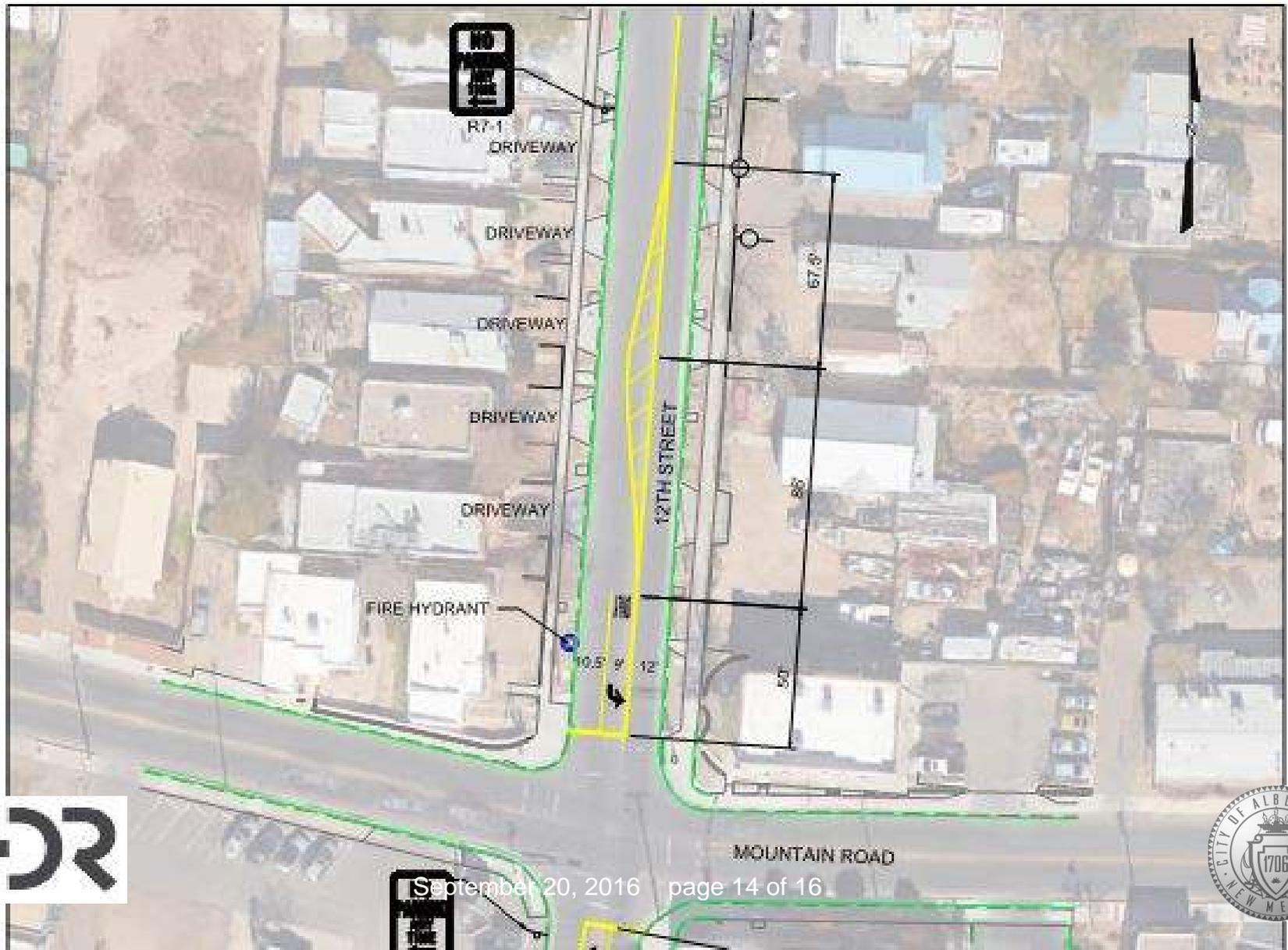
- Traffic Signal Cycle Length: **90 seconds**
- Level of Service, Year 2016:
 - **D in AM**
 - **E in PM**
- Queue Length 12th St.: shorter than conventional traffic signal timing
- Queue Length increase on Mountain Rd.

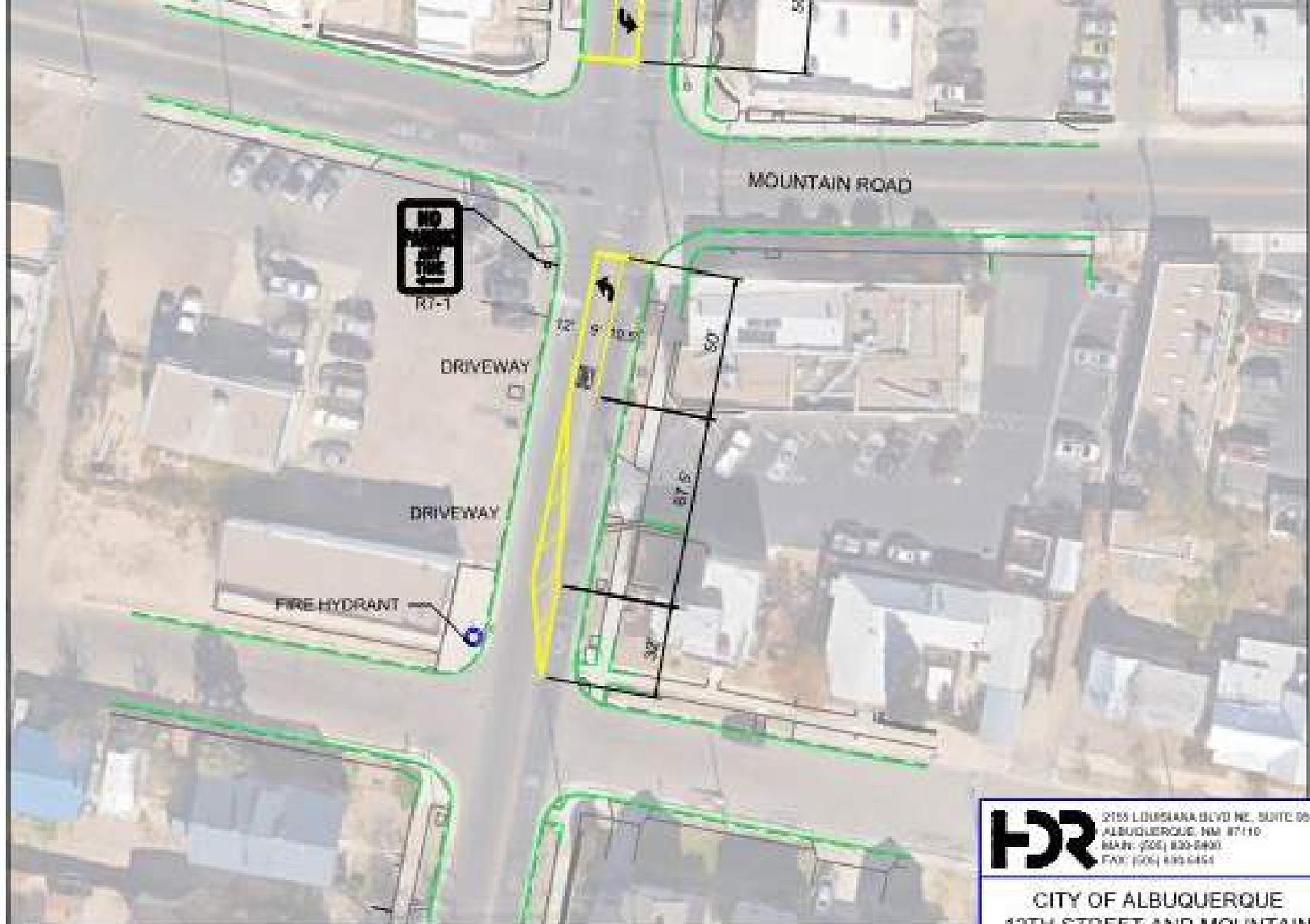


Possible 12th St. and Mountain Rd. Geometric Improvements



12th St. and Mountain Rd. Geometric Improvements

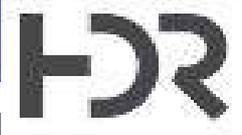




INTERSECTION GEOMETRIC IMPROVEMENT ADDING LEFT-TURN BAY ON 12TH STREET

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CITY OF ALBUQUERQUE
 12TH STREET AND MOUNTAIN
 ROAD INTERSECTION
 6/7/2016



Thank you

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