

State Highway 60 & CR13/Colorado Boulevard Ultimate Intersection

Work Session

May 1, 2023



Johnstown
Colorado



Consultant Presenters

Johnny Olson, PE

JWO – Project Principal

John Sabo, PE

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Benesch – Project Manager

Johnstown Staff

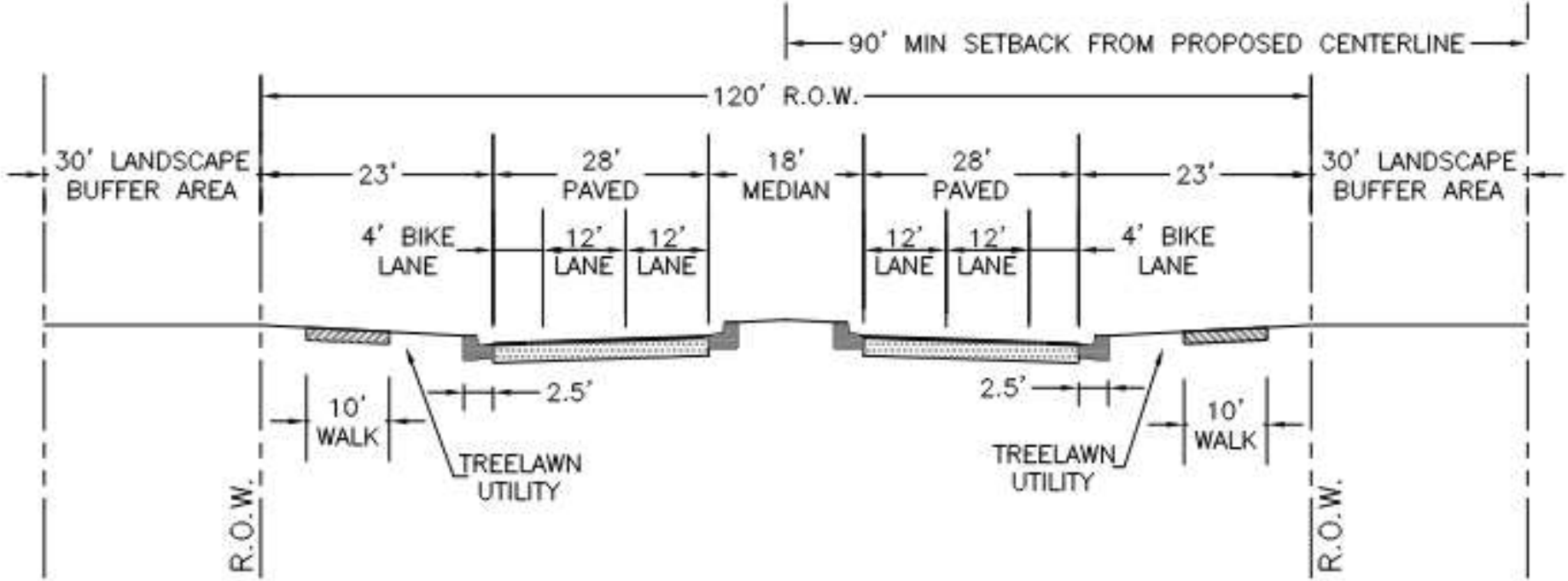
Matt LeCerf

Town Manager

Ultimate Design Overview

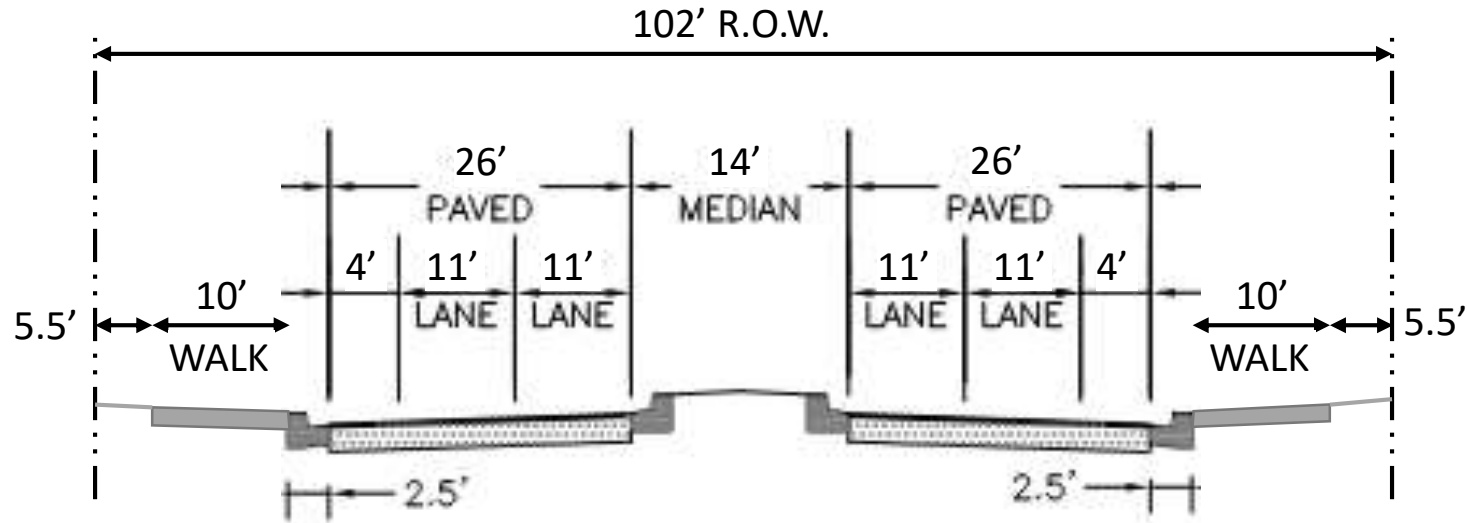
- New traffic signal at SH 60 and CR13/Colorado Boulevard
- Johnstown knew the CR13/Colorado Boulevard would need expansion
- Options for CR13/Colorado Boulevard with lane configuration so future development would know the needs
- Interim design to add left turns on CR13/Colorado Boulevard and new signal in ultimate configuration

Johnstown Standard Street Section

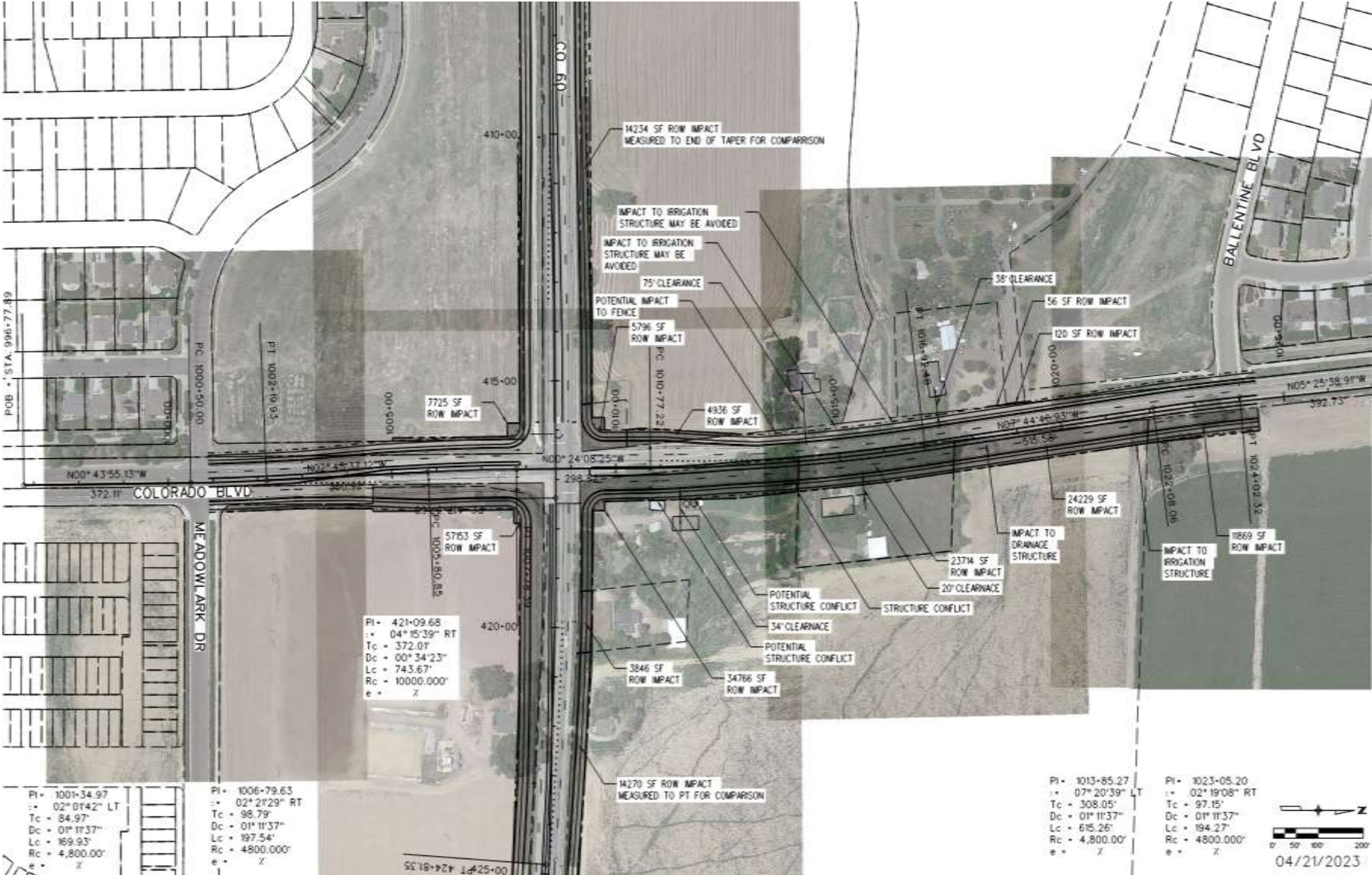


ULTIMATE PHASE

Narrowed Street Section to Reduce Impacts



Option 1 – Alignment Centered at Intersection



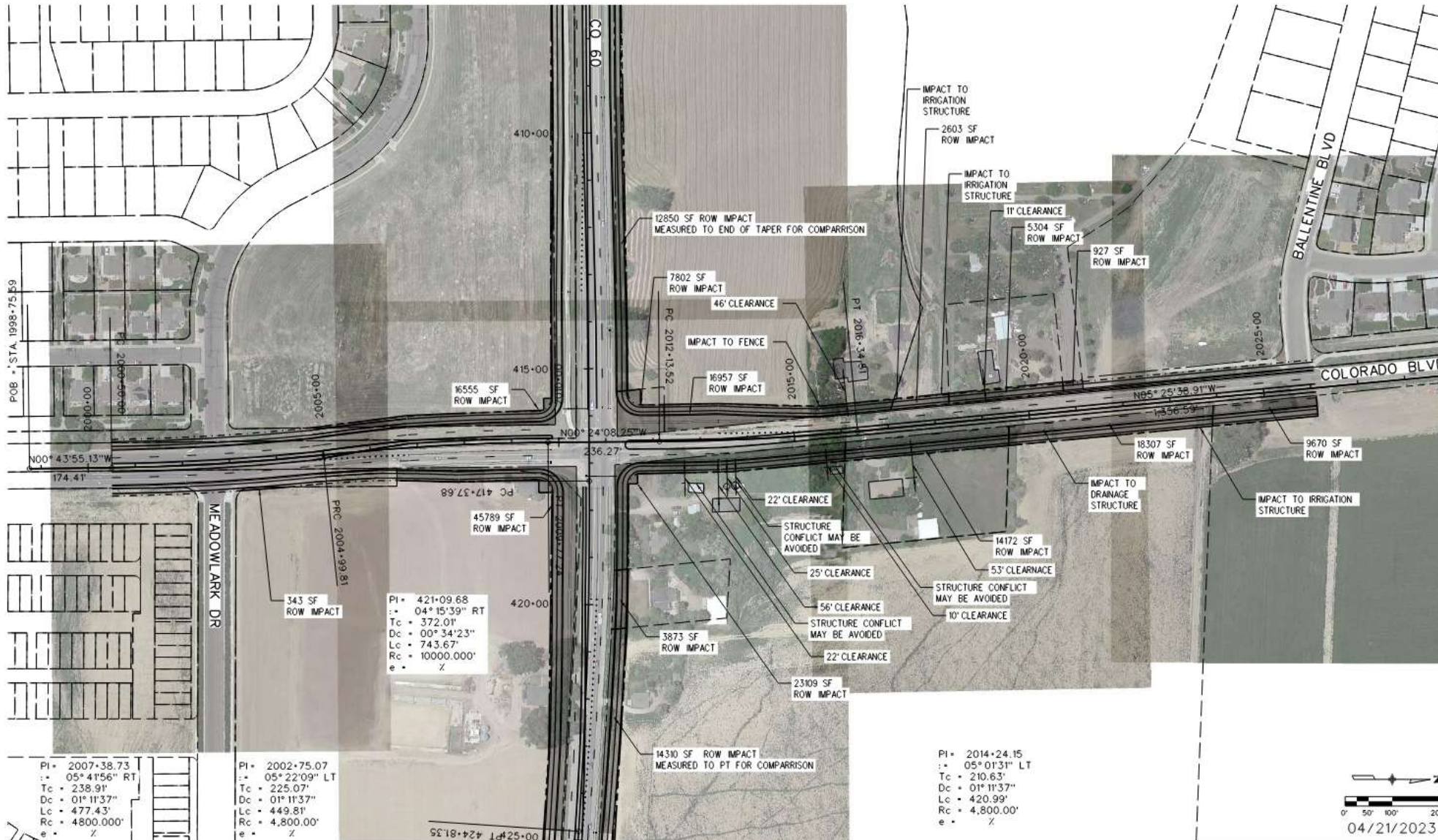
Pros:

- 1. Keeps Alignment in about same location
- 2. Hold Towns Design Standards
- 3. Less Impact to South West Property

Cons:

- 1. Buys ROW from West and East Side
- 2. More ROW from South East Corner
- 3. Only 20 Feet from house in North East corner

Option 2 – Shifted West



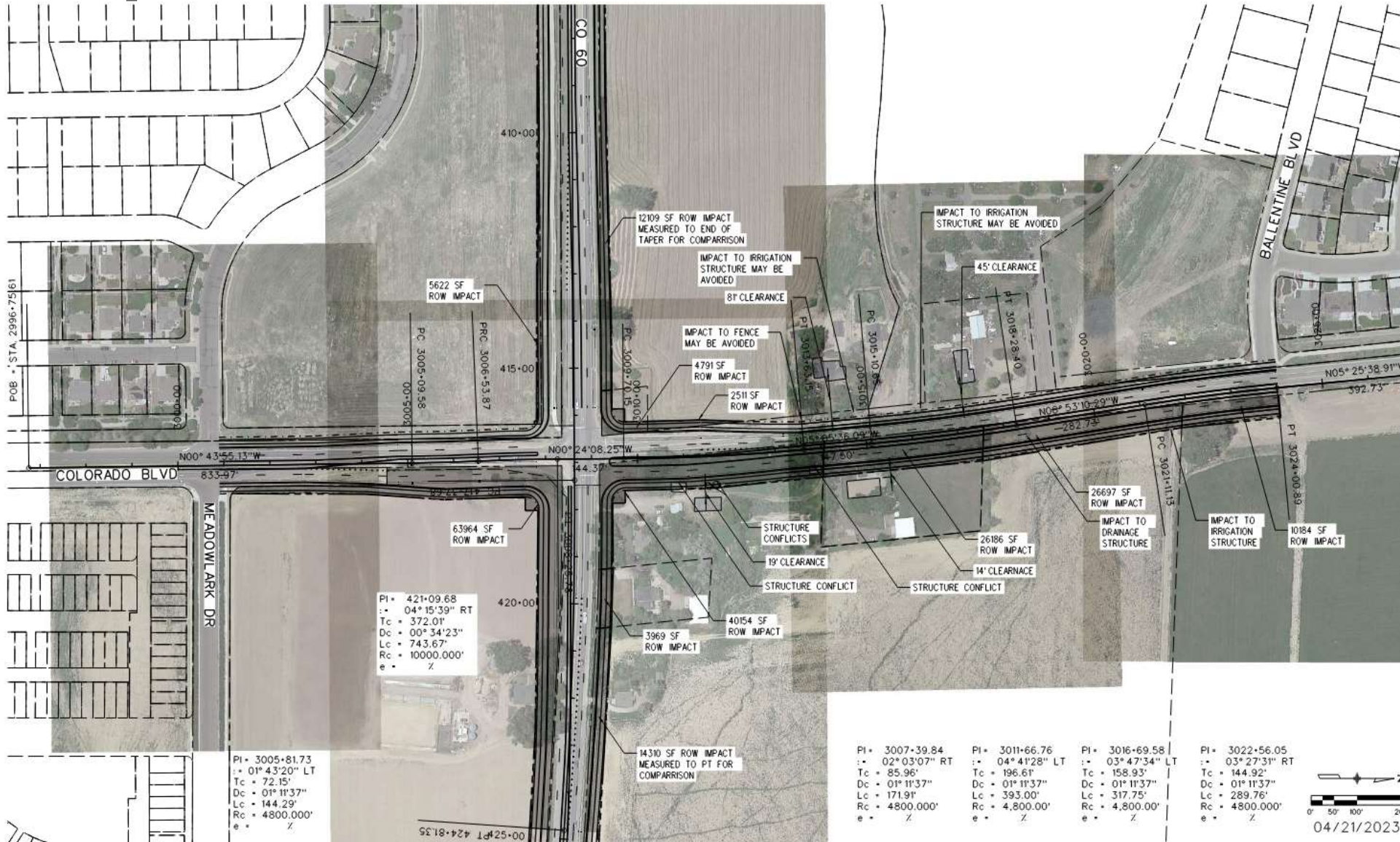
Pros:

1. Alignment moves to the west
2. Hold Towns Design Standards
3. Least impacts to east properties
4. 53 feet from House in North East Quadrant (about 33 feet farther away)

Cons:

1. Buys ROW from West and East
2. More ROW from West corners
3. 46 feet clearance from house in North west (about 29 feet Closer)

Option 3 – Shifted East



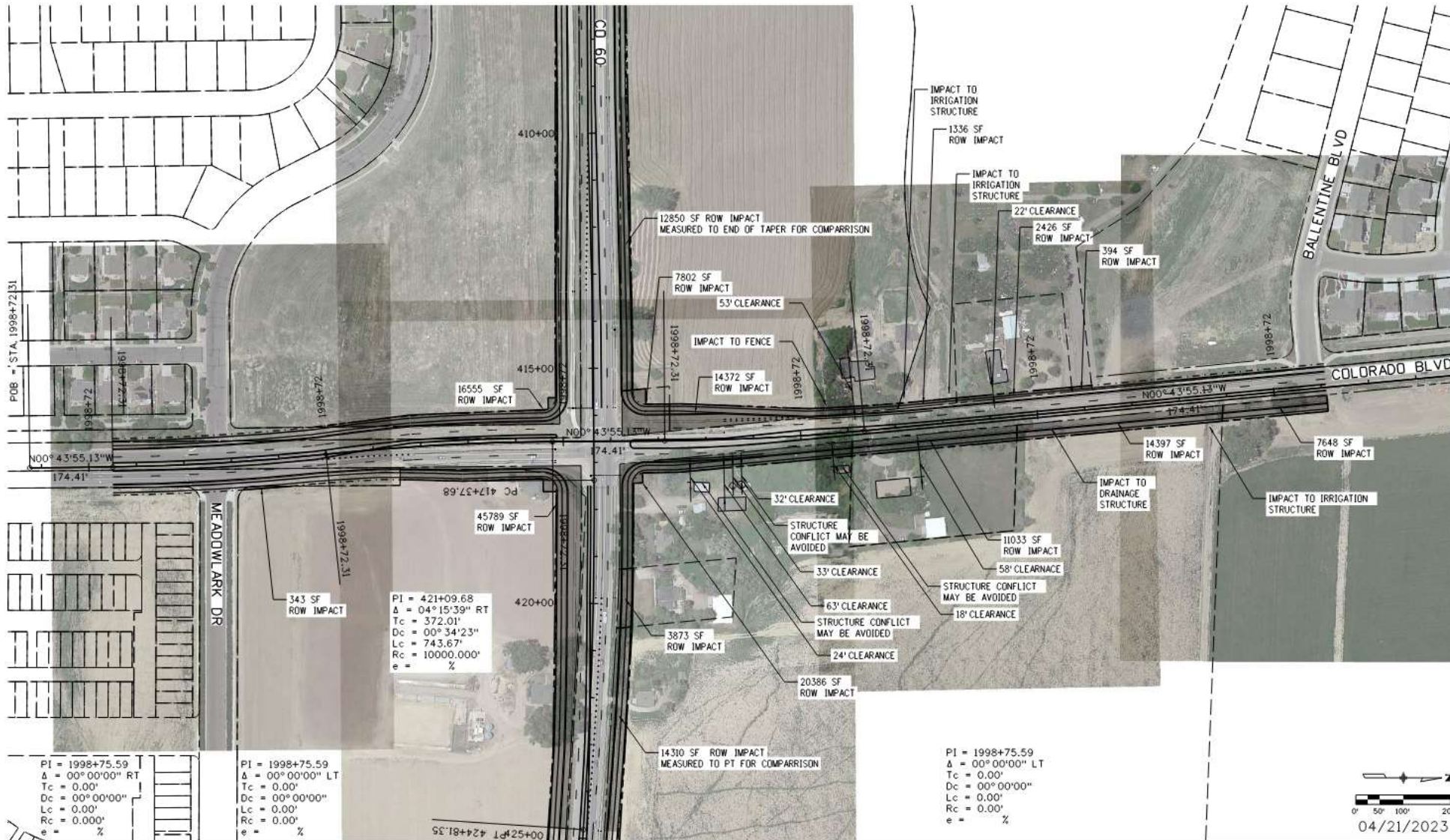
Pros:

1. Alignment moves to the East with less impacts to the West Properties
2. Hold Towns Design Standards
3. 81 feet from House in North West Quadrant
4. Less Acquisition of west properties.
5. Helps with Irrigation Design
6. No curvature on CR13 Colo Blvd. south of intersection

Cons:

1. More ROW from East Corners
2. 14 feet clearance from house in North east House
3. More impacts to structures on East Side

Option 2 – Shifted West with Narrowed Lanes



Pros:

1. Less impacts to East and West Properties
2. 58 feet from House in North East Quadrant
3. 53 Feet from House in North West Quadrant

Cons:

1. More ROW from West corners
2. Reduce Town Streets Standards
3. Loose buffer between the sidewalk and roadway

Results / Recommendation

- *West Shift with Narrowed Lanes* scores best
- *West Shift* scores second best
- Both result in the road laying in between existing houses and do not have right-of-way Acquisition that include buildings
- *West Shift with Narrowed Lanes* has larger offsets to houses and is the preferred option
- Accept an option as the selected alignment going forward
- Use selected alignment for right-of-way and development planning