

Table 2. Historic Buildings in the Historic Properties Evaluation Area (APE)

Address ^a	SHPO Rating ^b	NRHP Eligibility	Finding of Effect ^c	Nature of Impact
1341 Country Hills Dr.	EC	Eligible	Adverse effect	Direct impact to historic building. Note that the property is not currently owned by Weber State University, but demolition of this property was included in the MOA between the University and SHPO.
1348 Country Hills Dr.	EC	Eligible	No adverse effect	Strip take of 610 square feet (sq. ft.) along southwest corner of property. Eligible building is located about 77 feet from edge of transit corridor. Building setting would not be compromised from most public views. Primary view of front of building would not be affected. No contributing resources are near the strip take. Note that the property is not currently owned by Weber State University, but demolition of this property was included in the MOA between the University and SHPO.
1350 Country Hills Dr.	EC	Eligible	No effect	Property is owned by Weber State University with plans to demolish all associated structures. Demolition is addressed in an MOA between the University and SHPO. UTA would construct the Action Alternative across the vacant property.
1352 Country Hills Dr.	EC	Eligible	No effect	Avoided
1354 Country Hills Dr.	NC	Ineligible	Not applicable	Not applicable
1364 Country Hills Dr.	EC	Eligible	No effect	Avoided
1401 Country Hills Dr.	EC	Eligible	No effect	Avoided
4266 S. 1325 E.	EC	Eligible	No effect	Avoided
2504 S. Eccles Ave.	EC	Eligible	No effect	Avoided
4215 S. Edgehill Dr.	EC	Eligible	No effect	Avoided
4233 S. Edgehill Dr.	EC	Eligible	No effect	Avoided
4245 S. Edgehill Dr.	EC	Eligible	No effect	Avoided
4265 S. Edgehill Dr.	EC	Eligible	No effect	Avoided
4269 S. Edgehill Dr.	EC	Eligible	No effect	Avoided
2305 S. Grant Ave.	EC	Eligible	No effect	Avoided

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Address ^a	SHPO Rating ^b	NRHP Eligibility	Finding of Effect ^c	Nature of Impact
2483 S. Harrison Blvd.	EC	Eligible	No adverse effect	New station platform and shelter placed outside the south (side yard) parcel boundary of this property adjacent to a developed parking lot that serves the building. Eligible building is located approximately 46 feet from edge of new platform. Building setting would not be compromised from most public views. Primary view of the front of the building would not be affected.
2490 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2520 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2521 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2526 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2527 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2530 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2537 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2539 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2544 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2547 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2548 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2553 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2554 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2559 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2560 S. Harrison Blvd.	NC	Ineligible	Not applicable	Not applicable
2565–2567 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2566 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2579–2581 S. Harrison Blvd./1182 E. 26th St.	EC	Eligible	No effect	Avoided

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Table 2. Historic Buildings in the Historic Properties Evaluation Area (APE)

Address ^a	SHPO Rating ^b	NRHP Eligibility	Finding of Effect ^c	Nature of Impact
2578–2582 S. Harrison Blvd./1202 E. 26th St.	EC	Eligible	No effect	Avoided
2600 S. Harrison Blvd.	NC	Ineligible	Not applicable	Not applicable
2606 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2614 S. Harrison Blvd.	NC	Ineligible	Not applicable	Not applicable
2621 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2624 S. Harrison Blvd.	NC	Ineligible	Not applicable	Not applicable
2625 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2629 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2634–2640 S. Harrison Blvd./1212 E. Binford St.	EC	Eligible	No effect	Avoided
2635 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2636 S. Harrison Blvd.	NC	Ineligible	Not applicable	Not applicable
2647 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2648 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2653 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2656 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2657 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2665 S. Harrison Blvd.	NC	Ineligible	Not applicable	Not applicable
2666 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2669 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2670 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2701–2705 S. Harrison Blvd.	EC	Eligible	No effect	Avoided

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Table 2. Historic Buildings in the Historic Properties Evaluation Area (APE)

Address ^a	SHPO Rating ^b	NRHP Eligibility	Finding of Effect ^c	Nature of Impact
2708 S. Harrison Blvd.	NC	Ineligible	Not applicable	Not applicable
2713 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2714 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2717 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2726 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2729 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2731 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2737 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2745 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2751 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2757 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2760 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2761 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2764 S. Harrison Blvd.	NC	Ineligible	Not applicable	Not applicable
2772 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2773 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2777 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2778 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2817 S. Harrison Blvd.	NC	Ineligible	Not applicable	Not applicable
2825 S. Harrison Blvd.	ES	Eligible ^d	No effect	Avoided

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Table 2. Historic Buildings in the Historic Properties Evaluation Area (APE)

Address ^a	SHPO Rating ^b	NRHP Eligibility	Finding of Effect ^c	Nature of Impact
2828 S. Harrison Blvd.	ES	Eligible ^d	No adverse effect	New station platform and shelter placed in front of this property outside the parcel boundary. Eligible building is located approximately 200 feet east of edge of new platform. Building setting would not be compromised from public views, including the sidewalk in front of the building.
2831 S. Harrison Blvd.	EC	Eligible	No effect	New station and platform also placed outside southwest corner of parcel boundary adjacent to open athletic field. No contributing resources are present in the proximity of this station.
2837 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2843 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2849–2853 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2859–2863 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2867–2871 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2877 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2885 S. Harrison Blvd./ 1178–1182 E. 29th St.	EC	Eligible	No effect	Avoided
2903 S. Harrison Blvd./ 1187 E. 29th St.	EC	Eligible	No effect	Avoided
2909 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2919 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2927 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
2935 S. Harrison Blvd.	NC	Ineligible	Not applicable	Not applicable
3004 S. Harrison Blvd.	NC	Ineligible	Not applicable	Not applicable
3005 S. Harrison Blvd.	NC	Ineligible	Not applicable	Not applicable
3017 S. Harrison Blvd.	NC	Ineligible	Not applicable	Not applicable

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Table 2. Historic Buildings in the Historic Properties Evaluation Area (APE)

Address ^a	SHPO Rating ^b	NRHP Eligibility	Finding of Effect ^c	Nature of Impact
3018 S. Harrison Blvd.	NC	Ineligible	Not applicable	Not applicable
3026 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
3031 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
3034 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
3040 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
3048 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
3056 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
3062 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
3070 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
3084 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
3104 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
3118 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
3126 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
3132 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
3135 S. Harrison Blvd.	NC	Ineligible	Not applicable	Not applicable
3142 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
3148 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
3151 S. Harrison Blvd.	NC	Ineligible	Not applicable	Not applicable
3156 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
3164 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
3172 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
3186 S. Harrison Blvd.	EC	Eligible	No effect	Avoided

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Table 2. Historic Buildings in the Historic Properties Evaluation Area (APE)

Address ^a	SHPO Rating ^b	NRHP Eligibility	Finding of Effect ^c	Nature of Impact
? 3197 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
3205 S. Harrison Blvd.	NC	Ineligible	Not applicable	Not applicable
3257 S. Harrison Blvd.	EC	Eligible	No adverse effect	Strip take of 1,485 sq. ft. along frontage of property. No contributing features would be affected.
3260 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
3329 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
3354 S. Harrison Blvd.	NC	Ineligible	Not applicable	Not applicable
3375 S. Harrison Blvd.	NC	Ineligible	Not applicable	Not applicable
3376 S. Harrison Blvd.	NC	Ineligible	Not applicable	Not applicable
3385 S. Harrison Blvd.	NC	Ineligible	Not applicable	Not applicable
3395 & 3415 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
3430 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
3435 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
3450 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
3457 S. Harrison Blvd.	NC	Ineligible	Not applicable	Not applicable
3460 S. Harrison Blvd.	EC	Eligible	No adverse effect	Strip take of 1,357 sq. ft. along frontage of property. Historic rock retaining wall would be removed, but it is not a contributing feature of the property.
3487 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
3495 S. Harrison Blvd.	NC	Ineligible	Not applicable	Not applicable
3496 S. Harrison Blvd.	EC	Eligible	No adverse effect	Strip take of 2,238 sq. ft. along frontage of property. Historic rock retaining wall would be removed, but it is not a contributing feature of the property.
3575 S. Harrison Blvd.	EC	Eligible	No adverse effect	Strip take of 1,609 sq. ft. along frontage of property. No contributing features would be affected.

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Table 2. Historic Buildings in the Historic Properties Evaluation Area (APE)

Address ^a	SHPO Rating ^b	NRHP Eligibility	Finding of Effect ^c	Nature of Impact
3605 S. Harrison Blvd.	EC	Eligible	No effect	Avoided
3848 S. Harrison Blvd., Bldg. 10MA	EC	Eligible	No adverse effect	No direct effect to building, but a new road (narrow, path-like) would be constructed directly adjacent to and between the building and a decorative pond where no road currently exists. A new station platform would also be placed next to the building. This would compromise the setting of the structure to some degree but would not unduly alter the overall historical integrity of the property.
3848 S. Harrison Blvd., Bldg. 36SU	NC	Ineligible	Not applicable	Not applicable
3848 S. Harrison Blvd., Bldg. 38BC	NC	Ineligible	Not applicable	Not applicable
3621 S. Iowa Ave.	EC	Eligible	No effect	Avoided
3625 S. Iowa Ave.	EC	Eligible	No effect	Avoided
3639 S. Iowa Ave.	EC	Eligible	No effect	Avoided
3651 S. Iowa Ave.	EC	Eligible	No effect	Avoided
3661 S. Iowa Ave.	EC	Eligible	No effect	Avoided
3673 S. Iowa Ave.	EC	Eligible	No effect	Avoided
2480 S. Jackson Ave.	EC	Eligible	No effect	Avoided
2508 S. Jackson Ave.	ES	Eligible ^d	No adverse effect	New station platform and shelter placed outside the north (side yard) parcel boundary of this property. Eligible building is located approximately 63 feet from edge of new platform. Building setting would not be compromised from most public views; a row of trees would remain between the station and the dwelling. Primary view of the front of the building would not be affected.
2464 S. Jefferson Ave.	EC	Eligible	No effect	Avoided
2519 S. Jefferson Ave.	EC	Eligible	No effect	Avoided
2257 S. Lincoln Ave.	ES	Eligible ^d	No adverse effect	New station platform and shelter placed near southeast edge of parcel. Eligible building is located approximately 365 feet from edge of new platform. Building setting would not be compromised.

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Table 2. Historic Buildings in the Historic Properties Evaluation Area (APE)

Address ^a	SHPO Rating ^b	NRHP Eligibility	Finding of Effect ^c	Nature of Impact
2507 S. Madison Ave.	EC	Eligible	No effect	Avoided
1205 E. Marilyn Dr.	EC	Eligible	No effect	Avoided
2485 S. Monroe Blvd.	ES	Eligible ^d	No adverse effect	New station platform and shelter placed in front of adjacent property. Eligible building is located approximately 37 feet from edge of new platform. Building setting would not be compromised from most public views. Station would be closest to the side and rear elevations of the eligible building on this property.
2501 S. Quincy Ave.	NC	Ineligible	Not applicable	Not applicable
1129–1145 E. Sullivan Rd.	EC	Eligible	No effect	Avoided
2480 S. Van Buren Ave.	ES	Eligible ^d	No effect	Avoided
2507 S. Van Buren Ave.	EC	Eligible	No effect	Avoided
3290 S. Van Buren Ave.	EC	Eligible	No effect	Avoided
? 4020 S. Village Dr.	EC	Eligible	No effect	Avoided
4040 S. Village Dr.	EC	Eligible	No effect	Avoided
2314 S. Washington Blvd.	EC	Eligible	No effect	Avoided
2318–2324 S. Washington Blvd.	EC	Eligible	No effect	Avoided
2326 S. Washington Blvd.	NC	Ineligible	Not applicable	Not applicable
2336 S. Washington Blvd.	EC	Eligible	No effect	Avoided
2338–2340 S. Washington Blvd.	NC	Ineligible	Not applicable	Not applicable
2342 S. Washington Blvd.	EC	Eligible	No effect	Avoided
2380 S. Washington Blvd.	NC	Ineligible	Not applicable	Not applicable
2404 S. Washington Blvd.	ES	Eligible	No effect	Avoided
2406 S. Washington Blvd.	NC	Ineligible	Not applicable	Not applicable

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Table 2. Historic Buildings in the Historic Properties Evaluation Area (APE)

Address ^a	SHPO Rating ^b	NRHP Eligibility	Finding of Effect ^c	Nature of Impact
2415/2439 S. Washington Blvd.	ES	Eligible ^d	No adverse effect	New station platform and shelter placed outside east edge (frontage) of parcel but within typical public view of the building's primary façade. The nearest part of the building is within about 10 feet of the edge of the new station shelter. The station would incorporate Egyptian-style design to ensure context sensitivity. The building's setting would not be unduly compromised.
2432 S. Washington Blvd.	EC	Eligible	No effect	Avoided
2434 S. Washington Blvd.	NC	Ineligible	Not applicable	Not applicable
2438 S. Washington Blvd.	NC	Ineligible	Not applicable	Not applicable
2440 S. Washington Blvd.	NC	Ineligible	Not applicable	Not applicable
2444 S. Washington Blvd.	NC	Ineligible	Not applicable	Not applicable
2446–2450 S. Washington Blvd.	NC	Ineligible	Not applicable	Not applicable
2454 S. Washington Blvd.	NC	Ineligible	Not applicable	Not applicable
2456 S. Washington Blvd.	NC	Ineligible	Not applicable	Not applicable
2510 S. Washington Blvd.	ES	Eligible ^d	No effect	Avoided

^a ? indicates an approximate address.

^b EC is Eligible/Contributing, ES is Eligible/Significant, and NC is Ineligible/Non-Contributing.

^c To save space, **no effect** is used in this table in place of **no historic properties affected**.

^d Property is individually included in the NRHP or is an Ogden City Historic Landmark.

4.3 Historic Districts

Portions of four historic districts are located in the APE/survey area: the Crossroads of the West Historic District, the Ogden Central Bench Historic District, the Jefferson Avenue Historic District, and the Eccles Avenue Historic District. In addition to these existing districts, the project team assessed the potential for the residential neighborhood between the north and south campus areas of Weber State University—referred to here as the “inter-campus neighborhood”—to constitute a historic district.

This neighborhood received a focus because of its large number of historic buildings of comparable age and type, its proximity to the Weber State University campus, and the period of its development at the same time as the campus. These latter factors suggest a potential for a university-centric social history for the neighborhood (that is, was the neighborhood related to or directly associated with the adjacent university, or were its residents largely composed of university faculty and staff?). Such neighborhoods are common around historical colleges and universities, where neighborhoods were either specifically constructed to house faculty or students or informally developed as such.

The inter-campus neighborhood, as evaluated here, includes the following streets and areas: 4225 South, Country Hills Drive between about 1200 East and Edgehill Drive, and Edgehill Drive between about 4100 South and Country Hills Drive. The properties along 4225 South and Country Hills Drive are part of the Halverson and Naisbitt subdivisions, while those along Edgehill Drive are one phase of the College Heights subdivision. The existing buildings in this area are nearly all residential and were constructed during the 1950s and 1960s. All represent unremarkable tract housing of the Ranch form. The area does not appear to warrant a historic district designation for its architectural resources.

To assess any historical connection of the area’s residents to Weber State University or other common institutions or events, the project team researched the nature of the residents during the historical period. Given the construction period of housing in the neighborhood, its historical period begins in 1956. The project team reviewed residential directories (Polk directories) for Ogden for the neighborhood and identified named residents at each address listed in the neighborhood. After identifying the residents, the project team reviewed the directory listing for each person; these listings in the historical directories typically include a notation on the head of household’s employment.

Although four professors and assistant professors from Weber State University (College at that time) were among the neighborhood’s residents during the late 1950s and the 1960s, there does not appear to have been any particular concentration of faculty or others with university affiliations. Rather, the neighborhood was home to a mix of blue- and white-collar workers including mechanics, several employees of Hill Air Force Base, teachers at local middle and high schools, physicians, insurance salesmen, business owners and managers, clerks, property developers, an optometrist, a plumbing company owner, and a lithographer, among others. This list of professions suggests that, rather than being either developed for or attractive to those affiliated with the university, the neighborhood was attractive merely for its modern homes of the time and its ease of access to the major transportation corridors of Harrison Boulevard and 42nd Street. These corridors provide access to employment destinations such as Ogden’s hospitals, Air Force base, and commercial district.

Based on the findings of the additional research into the inter-campus neighborhood, it does not appear that the area warrants consideration as a historic district. The area has unremarkable architecture and appears to lack a common history or connection among the residents.

4.4 Archaeological Resources, Including Historic Linear Resource Sites

The proposed APE to account for both direct and indirect (that is, visual) effects on archaeological resources is identified in Figure 10 through Figure 13. This APE generally encompasses the public right-of-way of existing roads. Through the Weber State University campus, where additional right-of-way would be acquired, the APE was defined as a large block area encompassing much of the lower campus and the area south to the Dee Events Center. The actual impact area for the route through the campus would be much smaller, but the broader APE was defined for the field investigation to allow continued consideration and evaluation of multiple alternative routes through the campus. For the purpose of the archaeological properties assessment, the survey area was defined as equal to the APE.

Six archaeological resources are located in the APE. Of those six resources, three are eligible for inclusion in the NRHP (Certus Environmental Solutions 2016b). Table 3 summarizes the resources, their eligibility for inclusion in the NRHP, and their findings of effect.

Determinations of eligibility were made in consultation with the Utah SHPO and other consulting parties (for more information, see Section 3.4, Agencies, Tribes, and Other Consulting Parties and Their Roles). The SHPO concurred with these findings in a letter dated September 13, 2016 (see Appendix C2, Section 106 Consultation, of the EA).

Table 3. Archaeological Resources (including Historic Linear Resource Sites)

Site Number	Description	NRHP Eligibility	Finding of Effect	Nature of Impact
42WB000357	Subsurface historic residential site (Block 37)	Eligible	No effect	Avoided
42WB000368	Historic residential site (Lot 7, Block 34)	Ineligible	Not applicable	Not applicable
42WB000369	Historic residential site (Lot 8, Block 34)	Ineligible	Not applicable	Not applicable
42WB000373	Ogden Rail Yard	Eligible	No adverse effect	New station placed along east edge of site boundary within previously disturbed area
42WB000533	South Ogden Highline Canal	Ineligible	Not applicable	Not applicable
42WB000534	Weber State University stone entry posts	Eligible	No effect	Avoided

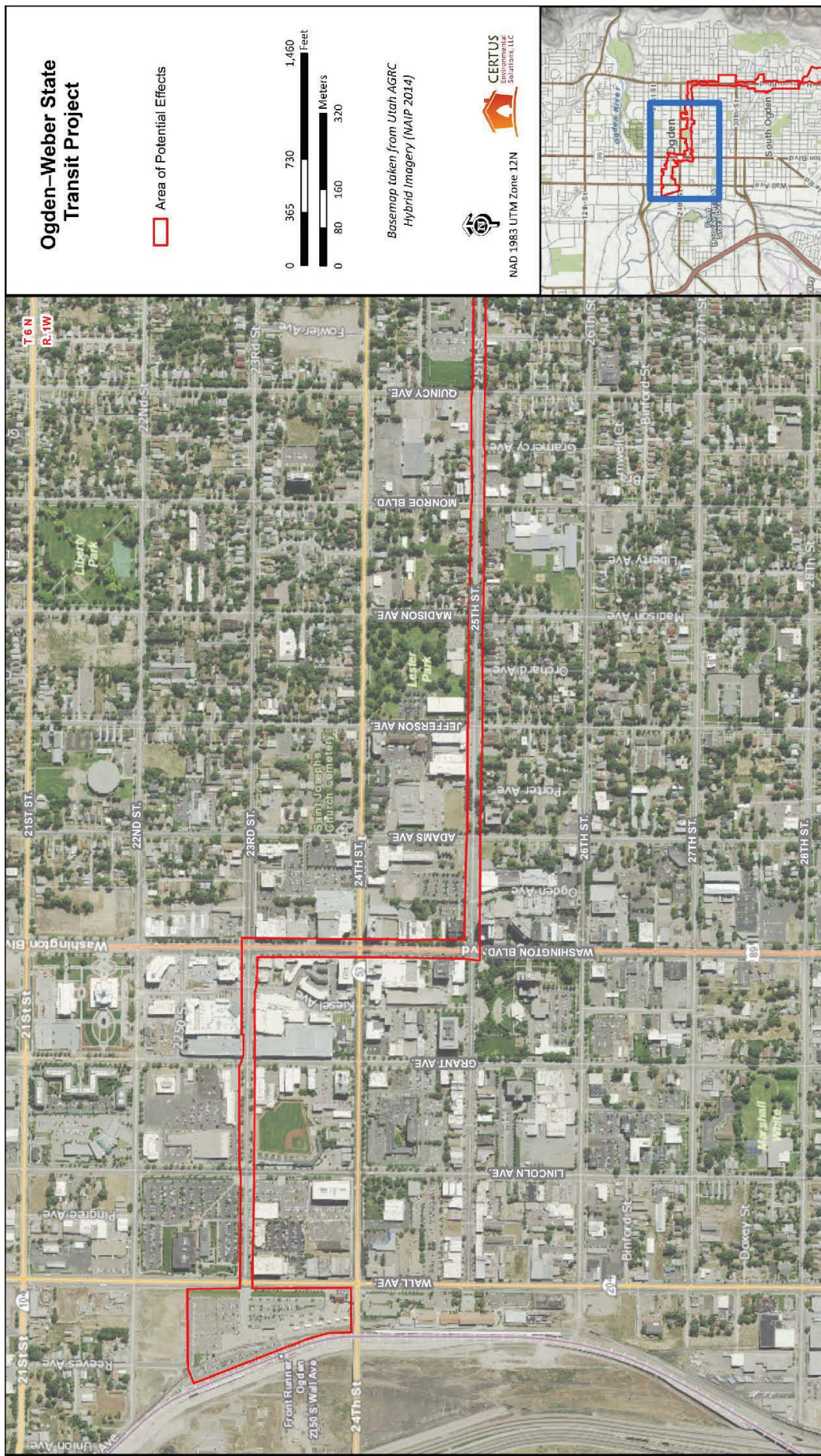


Figure 11. Archaeological Resources APE (2 of 4)

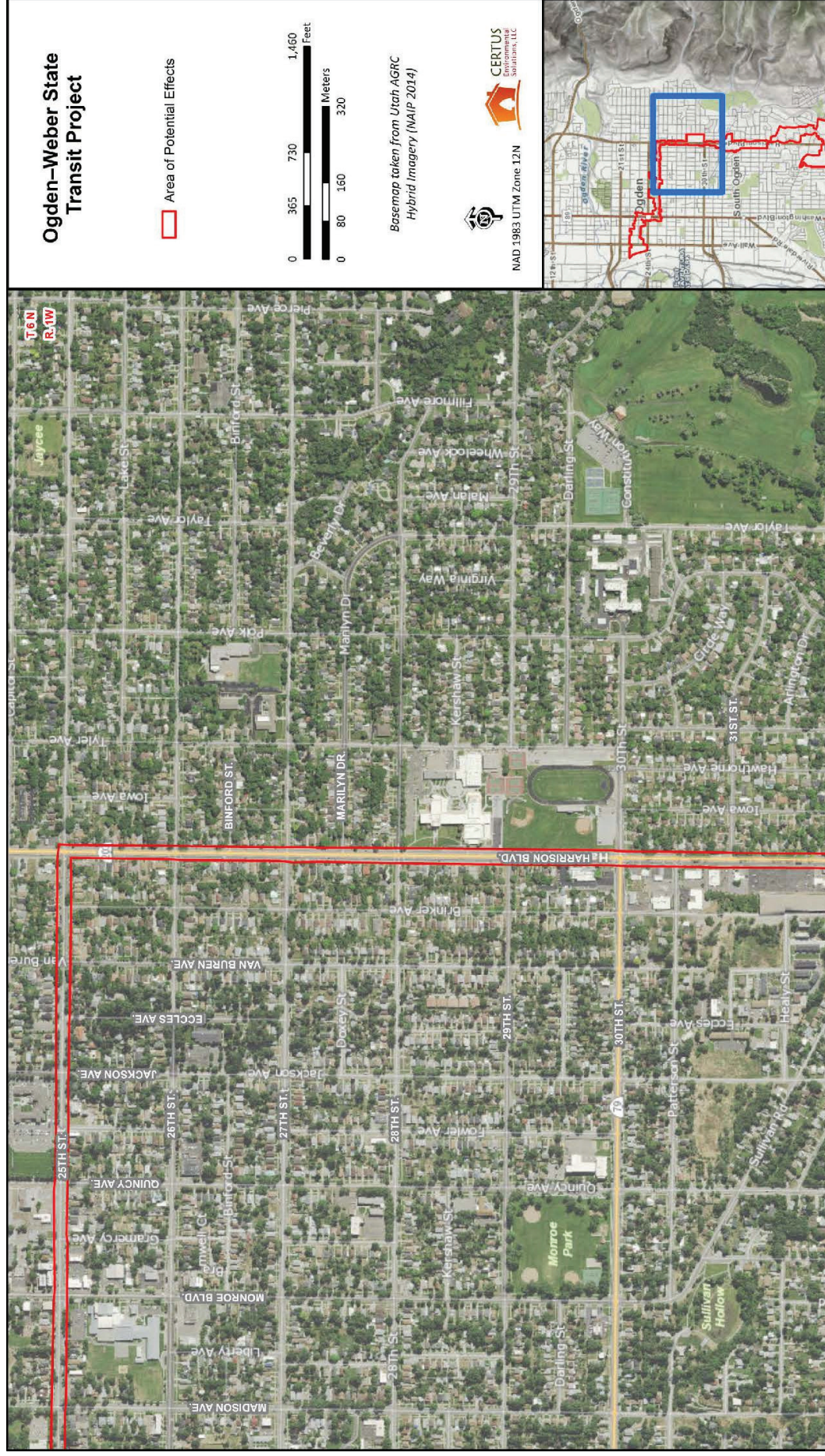
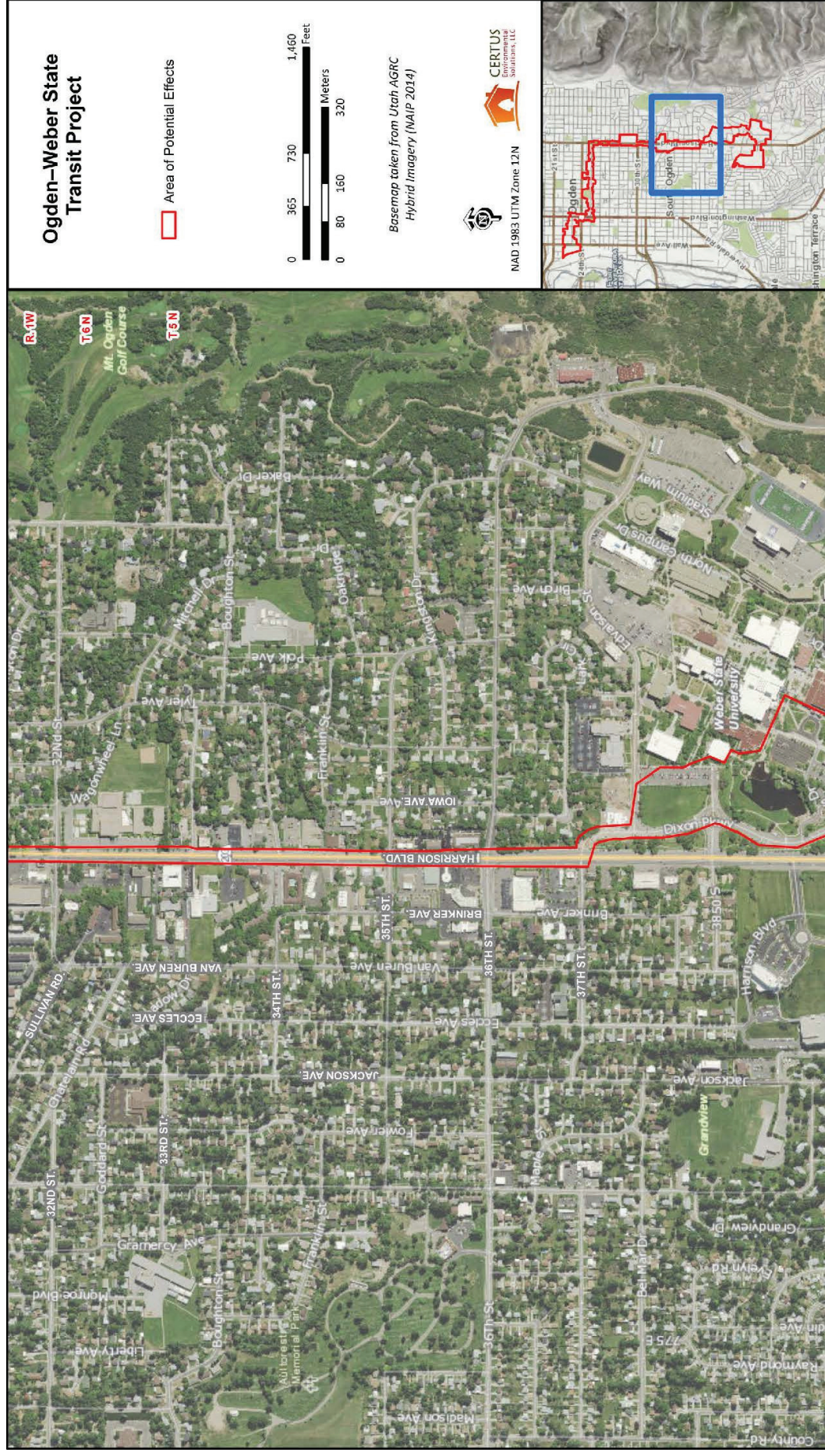


Figure 12. Archaeological Resources APE (3 of 4)





5.0 Environmental Consequences

This section addresses the impacts of the Action Alternative on historic properties. Based on the historic properties inventories, the Action Alternative would affect historic properties. Impacts to historic properties from the Action Alternative were documented using the Section 106 guidelines in 36 CFR 800.5 (for more information, see Section 3.0, Regulatory Setting). These impacts are described as **no historic properties affected**, **no adverse effect**, or **adverse effect**. The types of impacts from the Action Alternative were documented by FTA and UTA in the Determination of Eligibility and Finding of Effect (see Appendix C2, Section 106 Consultation, of the EA). These impacts are defined as follows:

- **No historic properties affected.** A **no historic properties affected** determination is made when it is determined that either there are no historic properties present or there are historic properties present but the undertaking would have no effect on them as defined in 36 CFR 800.16(i).
- **No adverse effect.** A **no adverse effect** determination is made when the undertaking's effects do not meet the criteria described in the item below for an adverse effect, or the undertaking is modified or conditions are imposed, such as the subsequent review of plans for rehabilitation by the SHPO, to ensure consistency with the Secretary of the Interior's Standards for the Treatment of Historic Properties (36 CFR 68) and applicable guidelines, to avoid adverse effects.
- **Adverse effect.** An **adverse effect** determination is made when an undertaking may alter, directly or indirectly, any of the characteristics of a historic property that qualify the property for inclusion in the NRHP in a manner that would diminish the integrity of the property's location, design, setting, materials, workmanship, feeling, or association. Consideration is given to all qualifying characteristics of a historic property, including those that might have been identified after the original evaluation of the property's eligibility for inclusion in the NRHP. Adverse effects can include reasonably foreseeable effects caused by the undertaking that may occur later in time, be farther removed in distance, or be cumulative.

5.1 Methods for Assessing Impacts

This section describes the methods for assessing impacts to historic properties from the Action Alternative. The historic properties described in Section 4.0, Affected Environment, that are considered to be eligible for inclusion in the NRHP were assessed to determine whether the Action Alternative would affect any part of the historic property. For NRHP-eligible historic properties, an impact was considered likely if any part of the primary building, contributing outbuilding(s), historically associated lands, or site features and artifacts was found within the APE. Next, the nature and extent of that impact on the characteristics of the property or site that qualify it as eligible for inclusion in the NRHP under a particular criterion were assessed. If the contributing characteristics would be altered so that some part of the property or site would no longer convey its historic significance as an eligible property, an adverse impact was considered likely. The assessment of effects on both historic buildings and archaeological sites (a category that includes historic linear resource

sites such as railroads and canals) was carried out in consultation with the Utah SHPO, Native American tribes, and other consulting parties as described in Section 3.4, Agencies, Tribes, and Other Consulting Parties and Their Roles.

5.2 No-Action Alternative

With the No-Action Alternative, the BRT and other facilities associated with the Action Alternative would not be constructed. The No-Action Alternative includes the existing transportation system and all projects in WFRC's 2015–2040 Regional Transportation Plan that are programmed to be completed in the project study area by 2020, the anticipated opening year for the Action Alternative's BRT.

The No-Action Alternative includes current UTA route 603 bus service in the proposed transit corridor using standard buses. Typical UTA buses would continue serving existing bus stops in the project study area with no additional infrastructure construction. No new impacts to historic properties would occur with the No-Action Alternative. Impacts to historic properties in the APE would continue to occur at present levels and from present sources such as private development.

5.3 Action Alternative

As shown in Table 2, Historic Buildings in the Historic Properties Evaluation Area (APE), Appendix A, Historic Property Impacts Figures, and Appendix B, Detailed Historic Impacts Figures, several NRHP-eligible properties would be affected by the Action Alternative.

5.3.1 Historic Buildings

With the Action Alternative, of the 223 NRHP-eligible historic buildings, 201 would experience **no historic properties affected**, 21 would experience **no adverse effect**, and 1 would experience an **adverse effect** under Section 106. These properties are summarized in Table 2, Historic Buildings in the Historic Properties Evaluation Area (APE), on page 27.

No Historic Properties Affected. In nearly all cases for which FTA has made a finding of **no historic properties affected** for the Action Alternative, these properties would be avoided in their entirety; no project components would be placed within or near the resource boundaries, and no property acquisition would occur. The exceptions to this are the following five NRHP-eligible historic properties:

- 1348 East 4225 South
- 1360 East 4225 South
- 1361 East 4225 South
- 1332 Country Hills Drive
- 1350 Country Hills Drive

These five historic properties are located in or near the proposed transit corridor, and the building or property parcel would be directly affected by the Action Alternative. However, these properties have all been acquired by Weber State University with the intent to demolish them in support of the campus Master Plan.

Per the MOA executed between Weber State University and the Utah SHPO regarding the demolition of a number of historic buildings in support of the Weber State University Master Plan, FTA understands that mitigation efforts have been completed and approved by the SHPO and that the five properties listed above are covered under the MOA.

Because of the MOA, for the purpose of FTA's evaluation of potential effects, FTA has assumed that the five historic buildings currently owned by Weber State University would no longer be present when construction activities related to the Action Alternative begin.

Thus, FTA has determined that the Action Alternative would not affect these five historic properties.

No Adverse Effect. With regard to the 21 NRHP-eligible historic buildings for which the undertaking would result in **no adverse effect**, in roughly half the cases, the Action Alternative would require a minor strip take of property from the parcels on which historic buildings are located. In no cases are NRHP-eligible buildings or contributing features located within the area to be acquired for the project. In other cases, new station platforms and shelters would be placed near NRHP-eligible structures but outside the parcel boundaries. Given the anticipated design of the shelters (described in Section 2.0, Project Description, and shown in Figure 14 and Figure 15 below), FTA does not anticipate any significant indirect visual effects to any adjacent historic properties. In other words, FTA does not anticipate that the stations would unduly compromise the historic setting or feeling of the properties, and the primary public views of the property from the adjacent sidewalks would remain intact.

The sole exception to the typical station design would be the proposed station located in front of the historic Peery's Egyptian Theater at 2415/2439 S. Washington Boulevard. The proposed station at this location would be placed on the curb in front of this NRHP-listed building. The station would be located within the public view of the building's façade when viewed from across the street. To reduce the visual impact of this station, UTA has prepared a conceptual design, shown below in Figure 16, that incorporates elements of the Egyptian revival architecture of the theater building. FTA believes that this design is sensitive to the context of the historic property and would not create an undue visual intrusion. Therefore, FTA has determined that this station would have **no adverse effect** on the Egyptian Theater property.

Adverse Effect. FTA has determined that the Action Alternative would result in one **adverse effect**—to a historic property located at 1341 Country Hills Drive. The Action Alternative would directly impact the historic building on the property. Although this property is included in the MOA between Weber State University and the Utah SHPO, the property is not currently owned by the University; therefore, FTA cannot assume that the historic building on this property would no longer be present when construction activities related to the Action Alternative begin.

Figure 14. Anticipated Typical Side/Curb-Located Station Design



Figure 15. Typical Current Bus Stop Shelter



Figure 16. Conceptual Design for Station at Peery's Egyptian Theater



5.3.2 Historic Districts

The Action Alternative would pass through portions of the following four NRHP historic districts: Crossroads of the West, Ogden Central Bench, Jefferson Avenue, and Eccles Avenue. Along most of the proposed transit corridor, buses would travel on existing roads. Limited widening of pavement might be needed in some areas, primarily along Harrison Boulevard south of 31st Street where the bus-only lanes are proposed. The only new roadway construction would occur on and near the Weber State University campus, well outside any of the historic districts.

No Adverse Effect. As shown in Table 2 on page 27, the undertaking would have **no adverse effect** on 21 individual historic properties through minor strip takes or because new station platforms and shelters would be placed near NRHP-eligible structures but outside the parcel boundaries. Of these 21 properties, eight that would incur no adverse effect are not located in any of the historic districts. The remaining 13 properties are located within the historic districts as follows: one is located in the Crossroads of the West Historic District, another is located in the Jefferson Avenue Historic District, nine are located in the Ogden Central Bench Historic District, and two are located in the Eccles Avenue Historic District.

One new station platform and shelter is proposed within the Crossroads of the West Historic District. This is considered a future station location and would not be constructed for opening-day use. This station would be adjacent to the modern Lindquist Field baseball field, along the extreme north edge of the district boundary, and would not compromise the integrity of the historic district.

Nine new station platforms and shelters would be built within the Ogden Central Bench Historic District. FTA does not anticipate any undue visual intrusion to individual historic properties from the stations, and, by extension, finds that the stations would not compromise the integrity of the Ogden Central Bench Historic District.

One new station each would be built within the boundaries of the Jefferson Avenue and Eccles Avenue Historic Districts. In both cases, the station would be along the extreme north edge of the district. FTA does not anticipate any undue visual intrusion to individual historic properties from the stations, and, by extension, finds that the stations would not compromise the integrity of either of these two historic districts.

No landscape features or other elements independent of individual properties but contributing to any of the historic districts would be affected by the Action Alternative. Additionally, the few minor strip takes and limited placement of station locations within the districts would not compromise the overall cohesiveness and continuity of the districts.

Based on the project team's assessment of effects and consultation with the Utah SHPO, FTA has determined that the Action Alternative would result in **no adverse effect** to the Crossroads of the West, Ogden Central Bench, Jefferson Avenue, or Eccles Avenue Historic Districts.

Adverse Effect. As shown in Table 2 on page 27, the Action Alternative would have an **adverse effect** on one individual historic property. This property, located at 1341 Country Hills Drive, is *not* located in a historic district.

5.3.3 Archaeological Resources, including Historic Linear Resource Sites

The Action Alternative would result in **no historic properties affected** for two of the NRHP-eligible archaeological resources (42WB000357 and 42WB000534) and **no adverse effect** to the third NRHP-eligible archaeological resource (42WB000373). These resources are summarized in Table 3 on page 44.

No Historic Properties Affected. Archaeological site 42WB000534—the historic stone entry posts at Weber State University—would be avoided in its entirety. For archaeological site 42WB000357—a subsurface historic residential site that was at least partially excavated through prior efforts unrelated to the proposed project—FTA has determined that the Action Alternative would result in **no historic properties affected** for the site because the Action Alternative in the area of the site would be surface-running (lacking subsurface components), and the site area appears to be bounded by the historical curb location and does not likely extend into the existing roadway.

No Adverse Effect. With regard to the third eligible archaeological site, 42WB000373—the Ogden Rail Yard site—FTA has determined that the portion of the site within which components of the Action Alternative would be constructed has already been substantially disturbed by the construction of the Ogden Intermodal Transit Center and that no surface remains of the archaeological site are present in this area. Additionally, the potential for subsurface resources to remain intact in the area that would be affected by the Action Alternative is extremely low. The Action Alternative would require construction within the documented site boundary, but FTA does not anticipate any adverse effects to the site as a result of that construction. FTA has determined that the Action Alternative would result in **no adverse effect** to this archaeological site.

5.3.4 Unanticipated Historic Properties and Mitigation Measures for Potential Adverse Effects

In accordance with 36 CFR 800.13(b), FTA and UTA are providing for the protection, evaluation, and treatment of any historic property discovered prior to or during construction. If unanticipated historic properties—such as old utility lines known to be in the area or buried archaeological deposits—are inadvertently discovered during construction, UTA will immediately stop work while FTA consults with the Utah SHPO as to whether the find is eligible for inclusion in the NRHP and, if so, is subject to adverse effects from construction. If potential adverse effects to historic properties are identified, FTA will continue consultation with the SHPO under Section 106 of the NHPA to resolve those effects before work resumes.

Mitigation measures for the adverse effect to 1341 Country Hills Drive have been completed by Weber State University. While the University does not currently own 1341 Country Hills Drive, the property was included in the MOA between the University and the SHPO regarding the demolition of a number of historic buildings in support of the Weber State University Master Plan. The mitigation obligations specified in the MOA between the University and the SHPO required an Intensive-Level Survey (ILS) for the Halverson Subdivision which includes an ILS for 1341 Country Hills Drive (Certus Environmental Solutions 2017). Weber State University submitted the required ILS to the SHPO in March 2017. In addition, Weber State University submitted a report to the SHPO regarding the neighborhood history for the area including the Halverson, Naisbitt, and College Heights subdivisions as also required under the MOA between the University and the SHPO.

In July 2018, the SHPO acknowledged that the mitigation commitments stipulated in the MOA between Weber State University and the SHPO had been fulfilled (Hansen 2018). Since the Intensive-Level Survey (ILS) of the Halverson neighborhood completed by Weber State University included 1341 Country Hills Drive and is the same mitigation measure that FTA would propose to complete, the SHPO agreed that the mitigation for the adverse effect to 1341 Country Hills Drive was therefore complete. FTA has determined, and the SHPO has concurred that mitigation measures for the adverse effect to 1341 Country Hills Drive from the Action Alternative have been completed (see Appendix C2, Section 106 Consultation, of the EA).

5.3.5 Next Steps

The Utah SHPO concurred with the overall finding of **adverse effect** in a letter dated October 22, 2018 (see Appendix C2, Section 106 Consultation, of this EA) and agreed that all mitigation for the adverse effect was complete. In addition, on November 20, 2018, the consulting parties listed in Section 3.4.3, Local Governments and Historical Societies, were sent a project update email and a copy of the Utah SHPO's October 22, 2018, concurrence letter (Osborn 2018; also see Appendix C2, Section 106 Consultation, of the EA). No consulting parties have provided any comments to date. All consulting parties and all Native American tribes initially contacted for this project (see Section 3.4, Agencies, Tribes, and Other Consulting Parties and Their Roles) will receive instructions to download an electronic copy of the EA.

FTA and UTA will provide information to the public at the public open house regarding impacts to historic properties and will accept comments on the EA and the Section 106 process during the EA public comment period.

6.0 References

[ACHP] Advisory Council on Historic Preservation

- 2018 Letter from LaShavio Johnson, ACHP, to Kevin Osborn, FTA, declining to participate in consultation to resolve adverse effects. November 8.

Certus Environmental Solutions, LLC

- 2016 An Archaeological Resources Assessment for the Ogden–Weber State University Bus Rapid Transit Project, Ogden, Weber County, Utah. June 28.
- 2017 Intensive-Level Survey, Historic Site Form for the Halverson Subdivision. Mitigation conducted as part of the MOA between Weber State University and the Utah SHPO. January.
- 2018 Selective Reconnaissance-Level Historic Structures Assessment for the Ogden–Weber State University Bus Rapid Transit Project, Ogden, Weber County, Utah. Final Revised March 29.

Giraud, Elizabeth

- 2007 Written review comments on the Final 200 East Project Cultural Resources Technical Report sent to Jennifer Elsken, UDOT, Region One, Ogden, and provided to Sheri Murray Ellis, SWCA Environmental Consultants, Salt Lake City.

Hansen, Christopher

- 2018 Letter from Christopher Hansen, Utah SHPO, to Craig Sears, Weber State University. Written concurrence that the mitigation measures per the MOA between Weber State University and the Utah SHPO have been fulfilled. July 3.

Osborn, Kevin

- 2018 Email from Kevin Osborn, FTA, to the Section 106 consulting parties forwarding a copy of the Utah SHPO's October 22, 2018, concurrence letter. November 20.

Sears, Craig

- 2016 Personal communication between Heidi Spoor of HDR and Craig Sears of Weber State University regarding Weber State University student demographics. September 12.

[Utah SHPO] Utah State Historic Preservation Office

- 2018 Letter from Christopher Hansen, Utah SHPO, to Kevin Osborn, FTA, providing written concurrence with FTA's new area of potential effect, determinations of eligibility, and findings of effect and that mitigation has been completed for the undertaking. October 22.

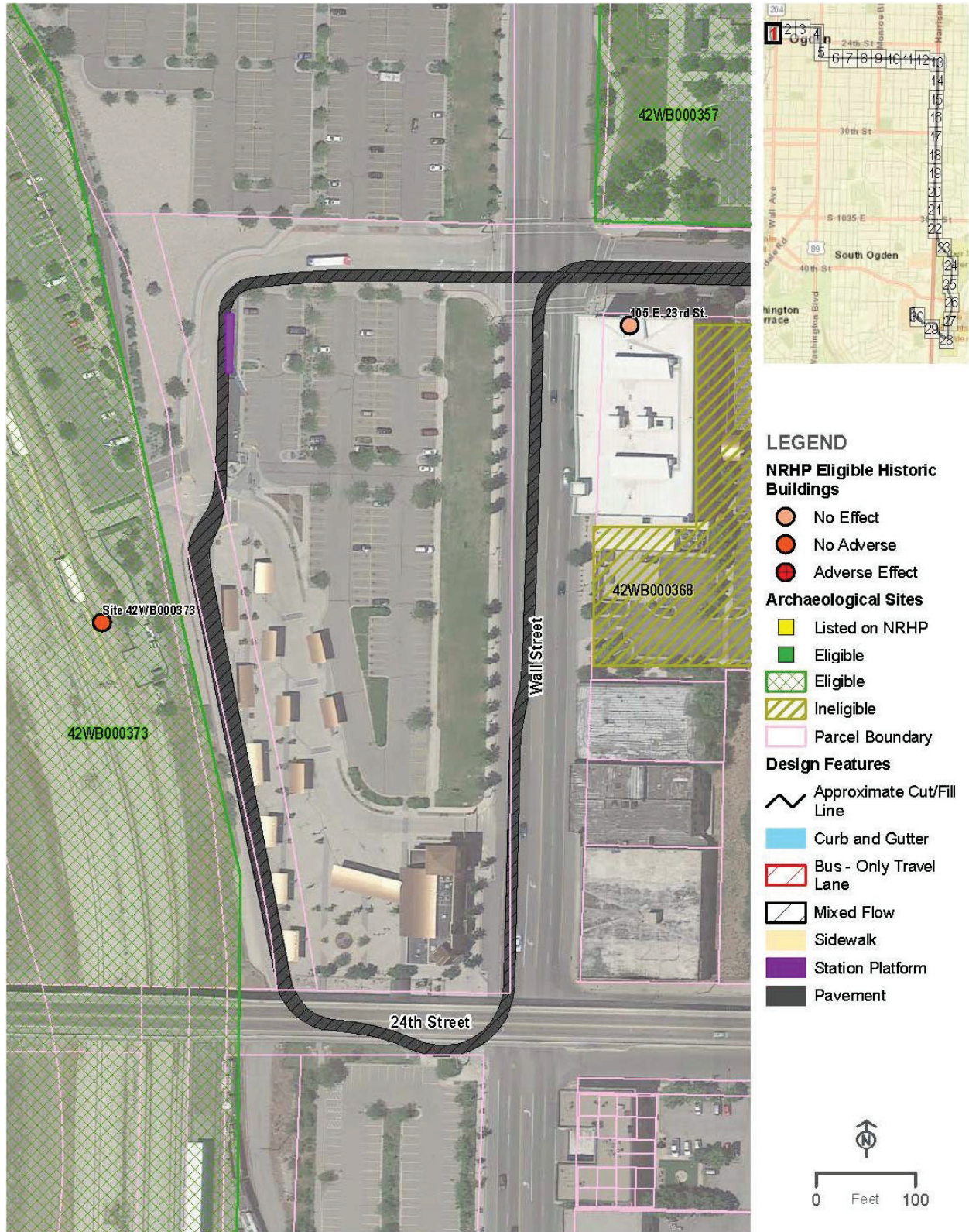
[WSU and Utah SHPO] Weber State University and Utah State Historic Preservation Office

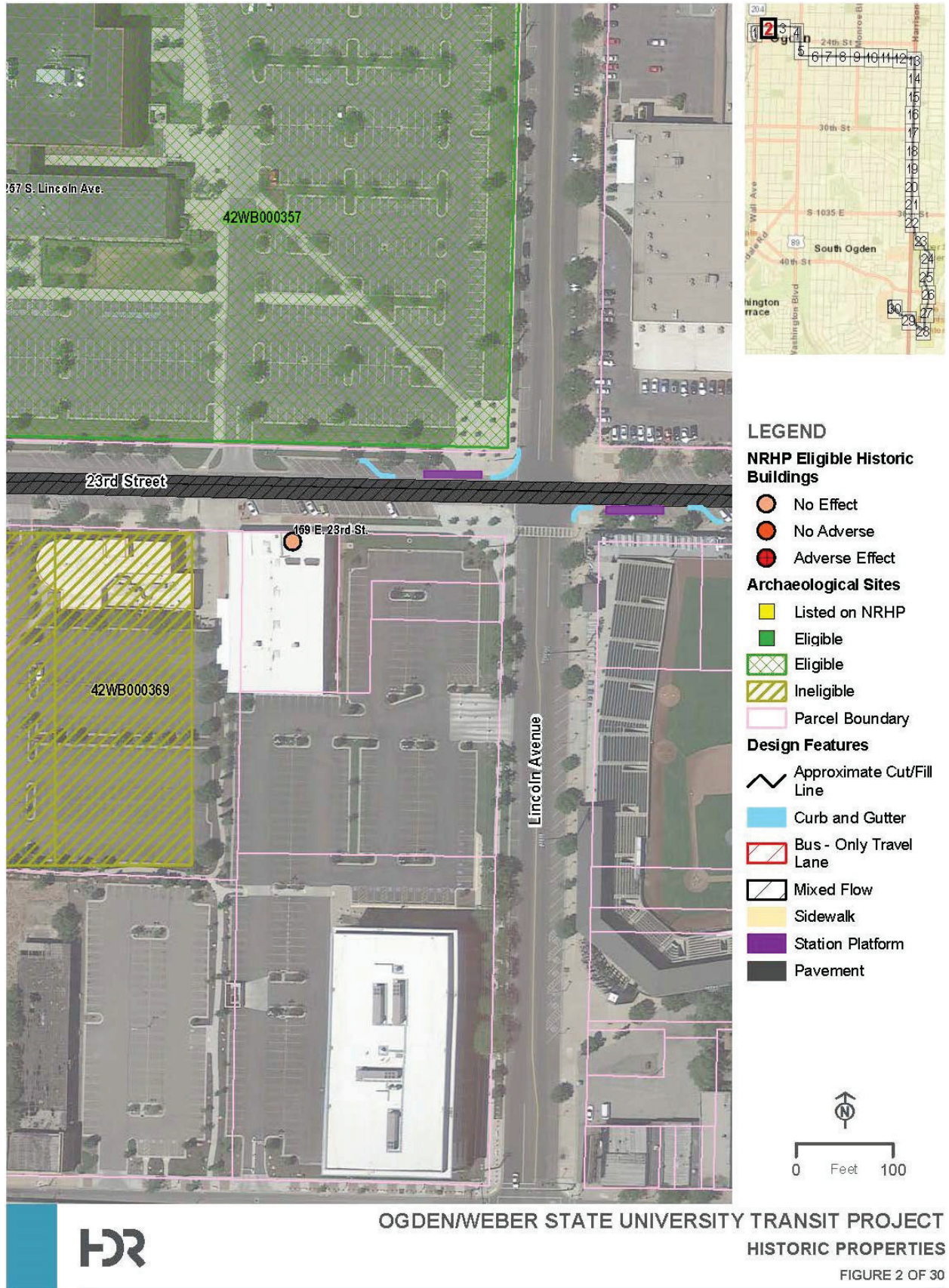
- 2016 Memorandum of Agreement between Weber State University and the Utah State Historic Preservation Office Regarding the Campus Master Plan Property Acquisitions and Demolitions, Weber County, Utah. September 12.

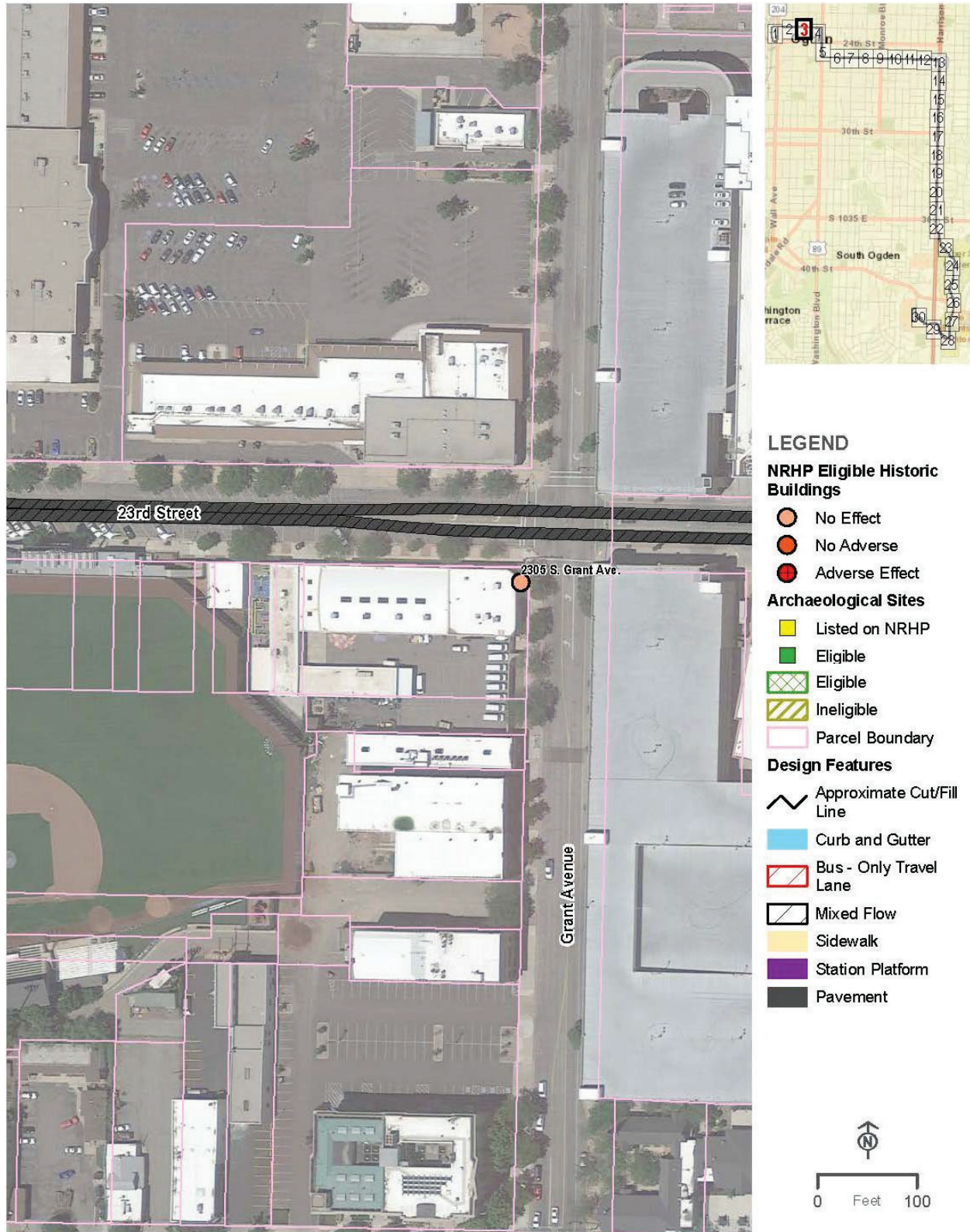
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Appendix A. Historic Property Impacts Figures

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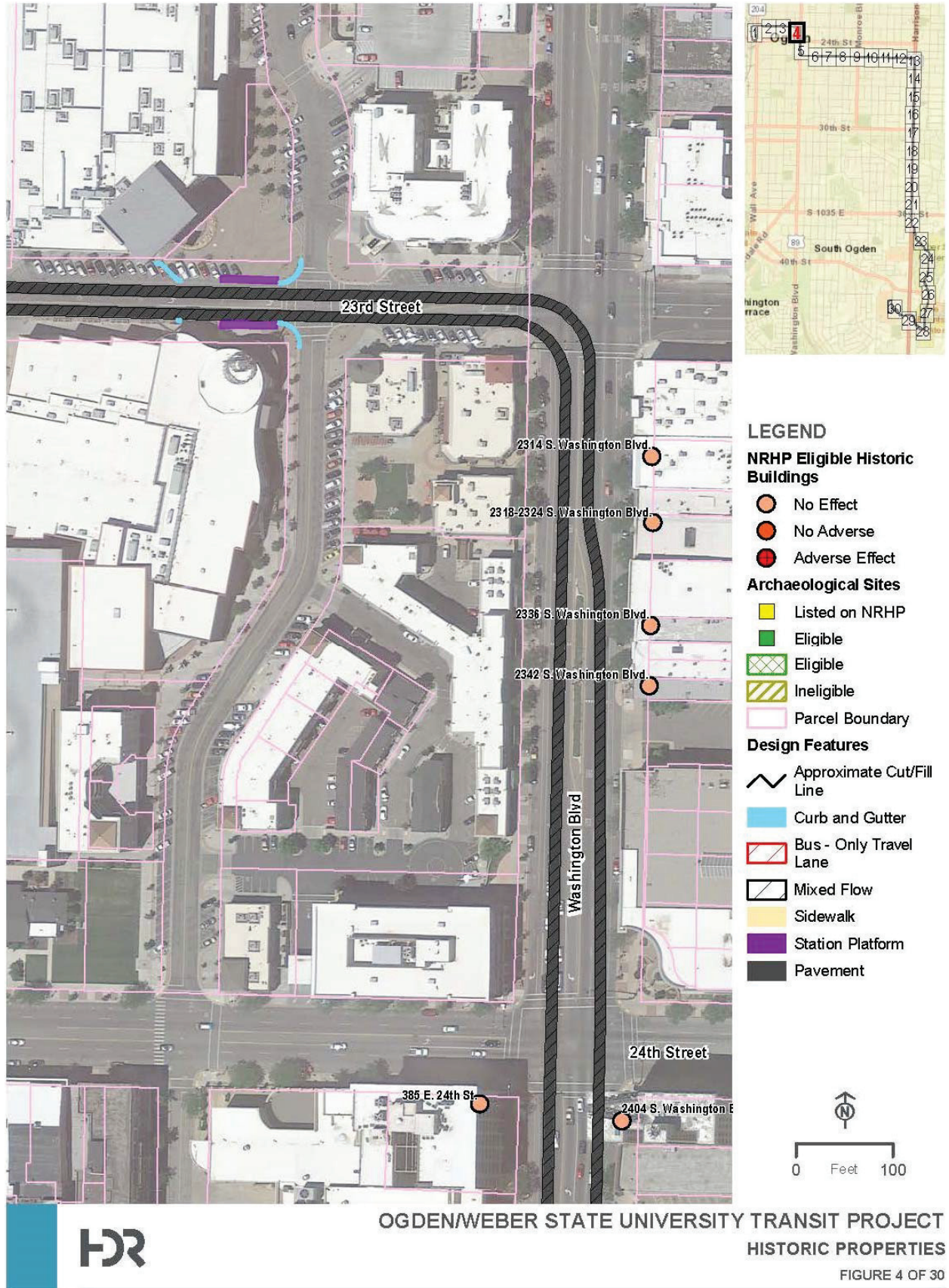


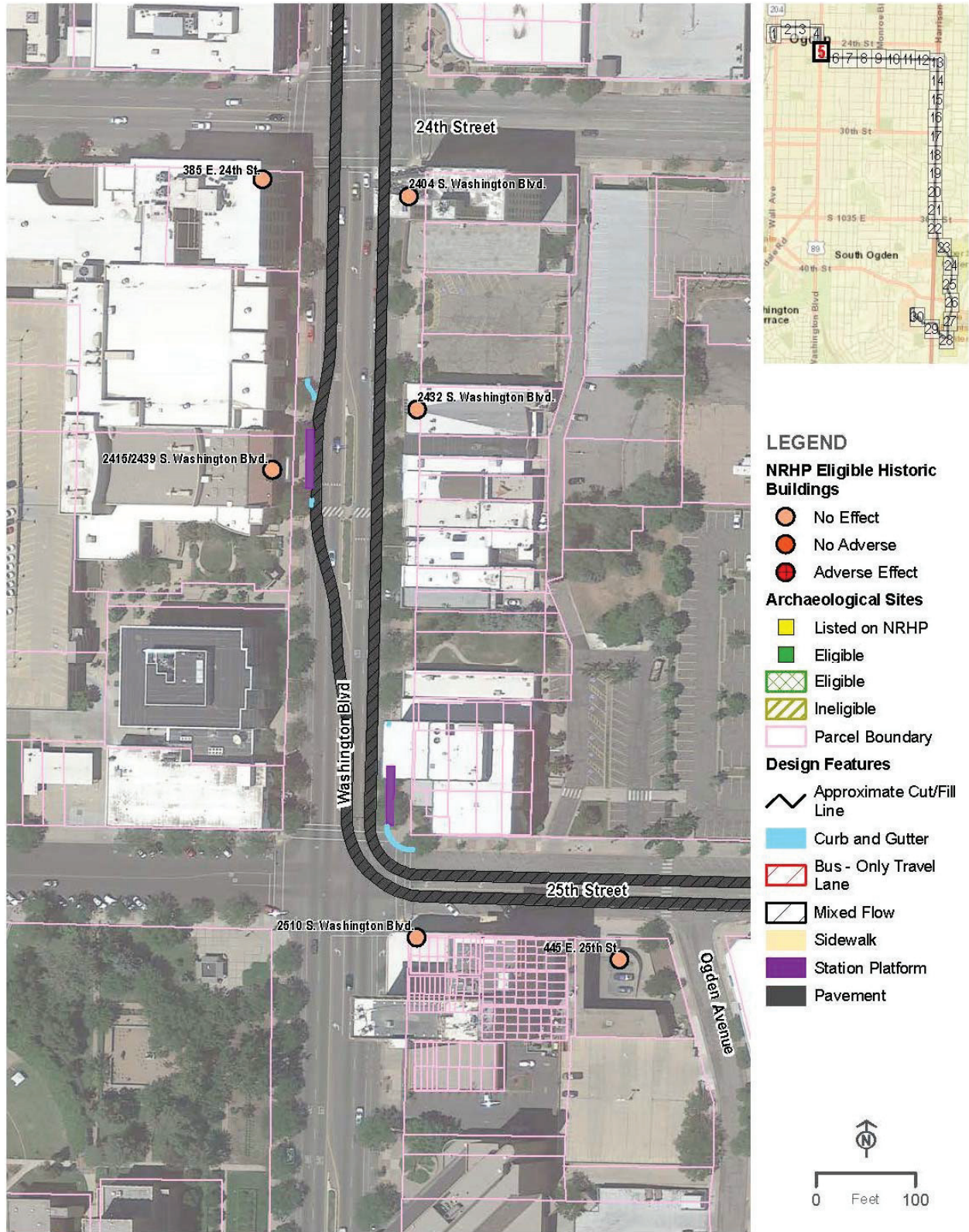


OGDEN/WEBER STATE UNIVERSITY TRANSIT PROJECT
HISTORIC PROPERTIES

FIGURE 3 OF 30

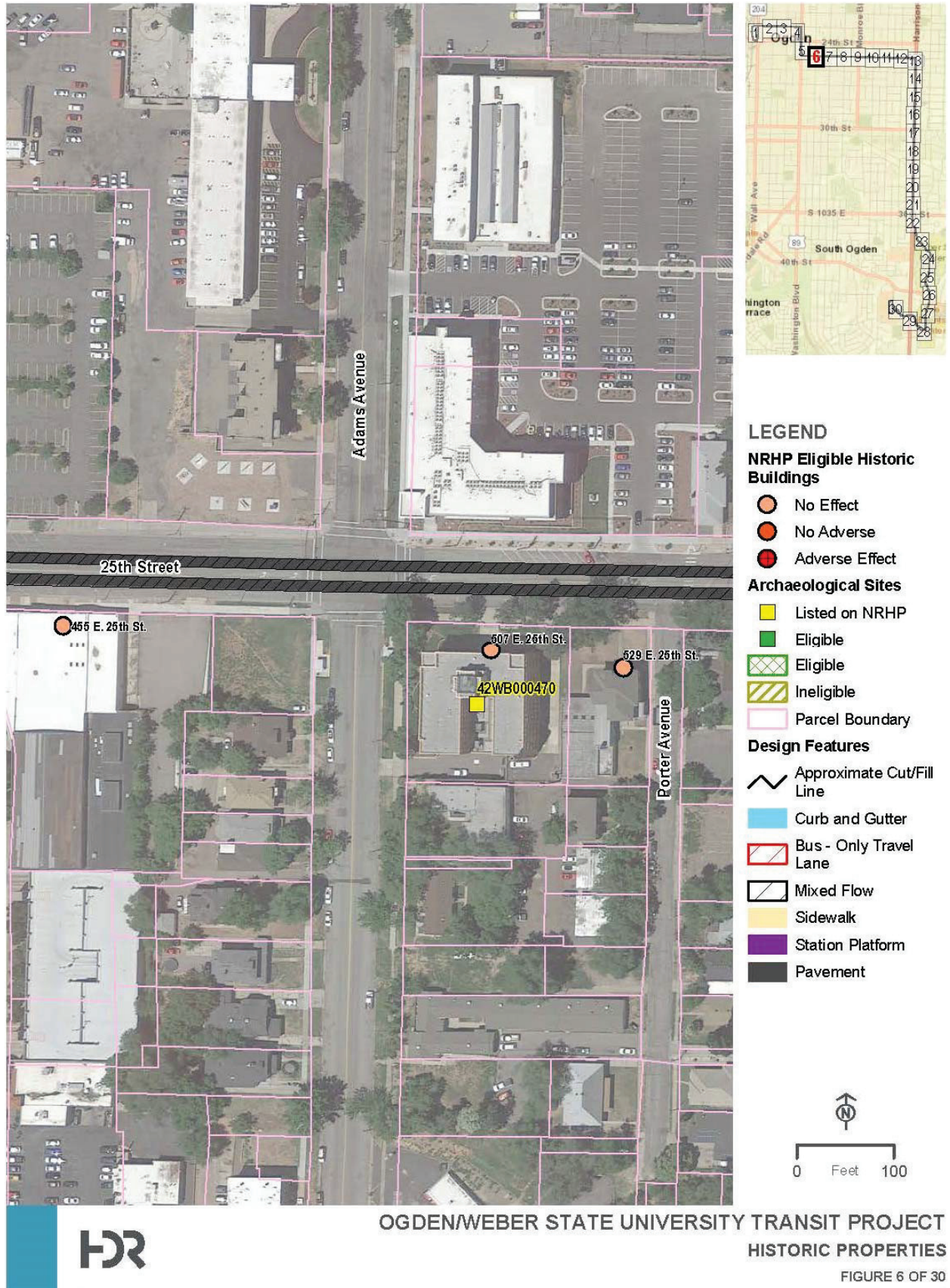






OGDEN/WEBER STATE UNIVERSITY TRANSIT PROJECT
HISTORIC PROPERTIES

FIGURE 5 OF 30

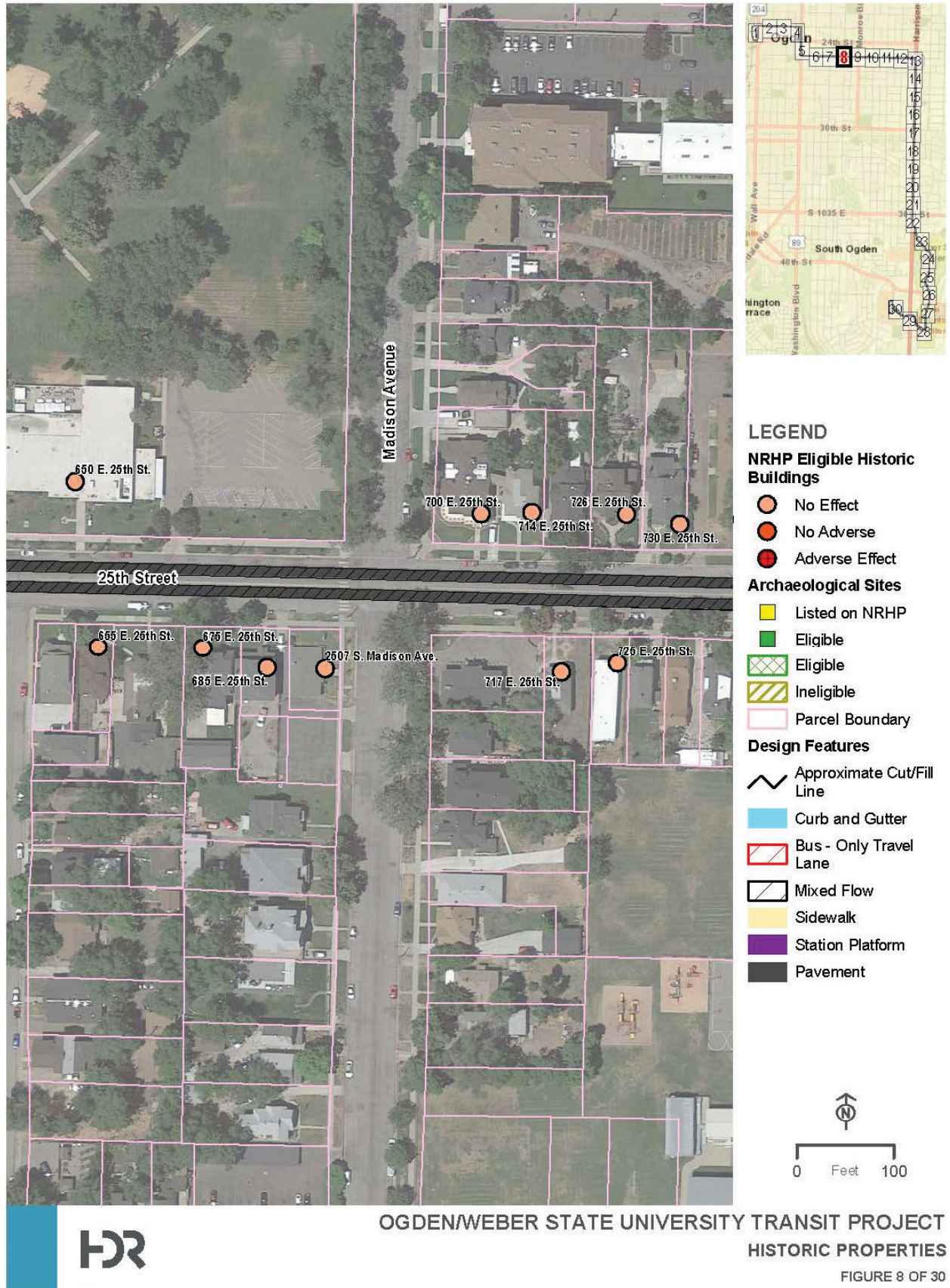


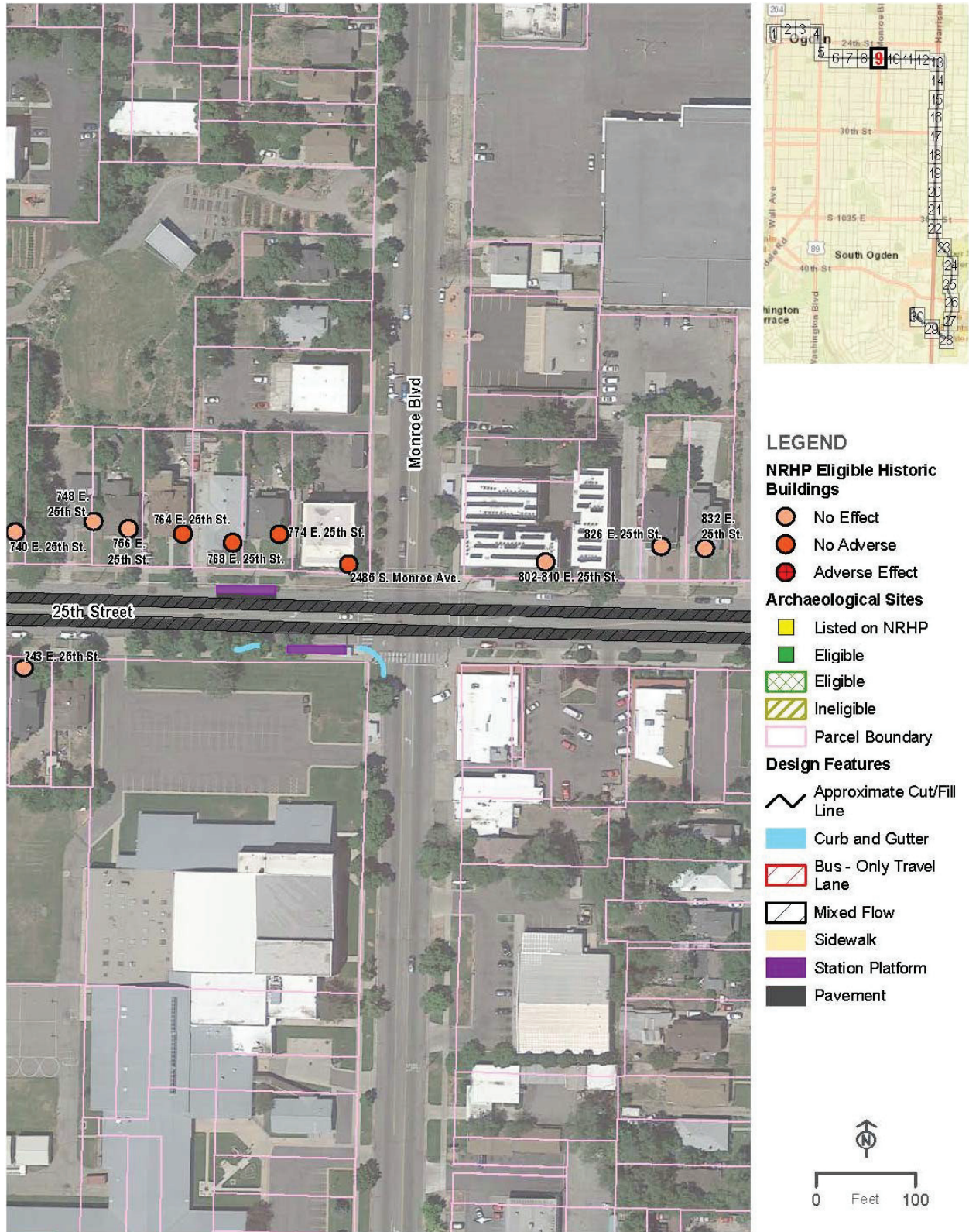


OGDEN/WEBER STATE UNIVERSITY TRANSIT PROJECT
HISTORIC PROPERTIES

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HISTORIC PROPERTIES

FIGURE 9 OF 30





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