

**STAFF REPORT FOR THE PLANNING COMMISSION MEETING OF SEPTEMBER 26, 2018**

**FILE NO: TSM-17-184**

**AGENDA ITEM: E-3**

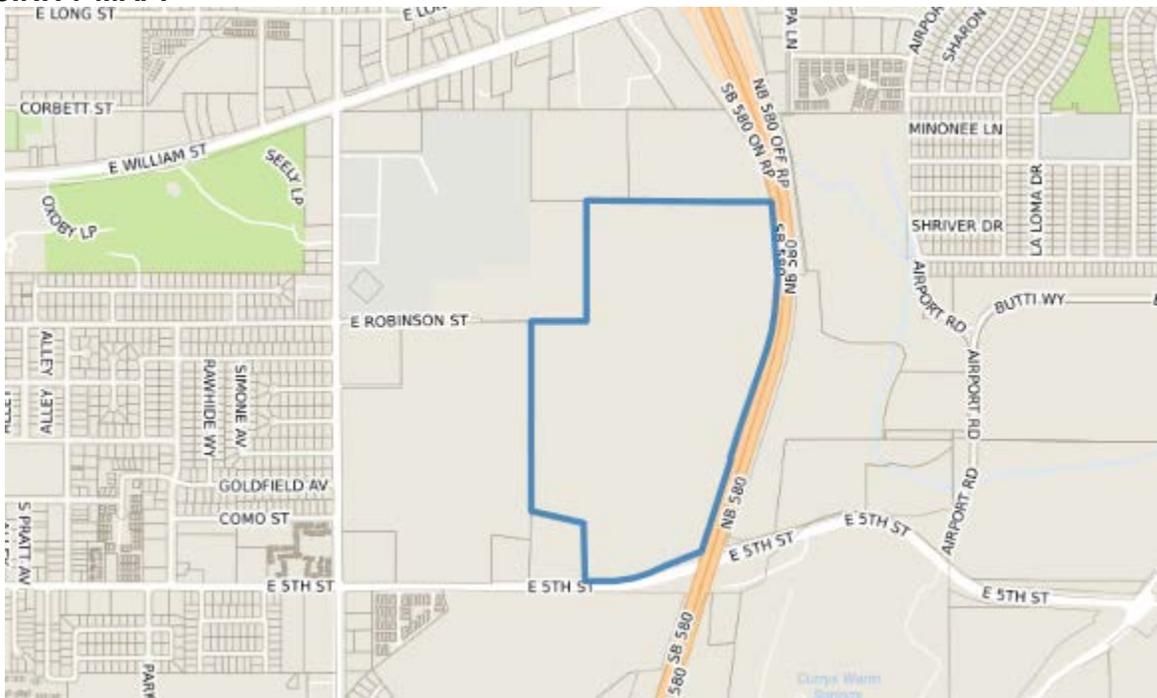
**STAFF CONTACT:** Hope Sullivan, AICP, Planning Manager

**AGENDA TITLE:** For Possible Action: To make a recommendation to the Board of Supervisors regarding a Tentative Subdivision Map application to create a 204-unit single family residential subdivision on approximately 58.5 acres within the Lompa Ranch North Specific Plan Area on property approved for Multi-Family Duplex (MFD) and Single Family 6000 (SF6) zoning, located south of East Robinson Street, west of Highway 395, and north of East Fifth Street, APN 010-041-71. (Hope Sullivan, hsullivan@carson.org)

**STAFF SUMMARY:** The applicant is seeking Tentative Subdivision Map approval for a 204 lot subdivision on 58.5 acres. The minimum lot size is 6,000 square feet. The plans also include 8.7 acres of open space and 18 acres of right-of-way. The Planning Commission makes a recommendation to the Board of Supervisors on requests for Tentative Subdivision Maps.

**RECOMMENDED MOTION:** “I move to recommend to the Board of Supervisors approval of TSM-17-184, a Tentative Subdivision Map known as Blackstone Ranch, Phase 2, consisting of 204 single family residential lots on property approved for Multifamily Duplex (MFD) and Single Family 6000 square feet (SF6) zoning, located south of East Robinson Street, west of Highway 395, and north of east Fifth Street APN 010-041-71, based on the findings and subject to the conditions of approval contained in the staff report.”

**VICINITY MAP:**



## **RECOMMENDED CONDITIONS OF APPROVAL**

**The following are general conditions of approval:**

**The following are conditions of approval required per CCMC 18.02.105.5:**

1. All final maps shall be in substantial accord with the approved tentative map.
2. Prior to submittal of any final map, the Development Engineering Department shall approve all on-site and off-site improvements. The applicant shall provide construction plans to the Development Engineering Department for all required on-site and off-site improvements, prior to any submittals for approval of a final map. The plan must adhere to the recommendations contained in the project soils and geotechnical report.
3. Lots not planned for immediate development shall be left undisturbed and mass grading and clearing of natural vegetation shall not be allowed. Any and all grading shall comply with City standards. A grading permit from the Nevada Division of Environmental Protection shall be obtained prior to any grading. Noncompliance with this provision shall cause a cease and desist order to halt all grading work.
4. All lot areas and lot widths shall meet the zoning requirements approved as part of this tentative map with the submittal of any final map.
5. With the submittal of any final maps, the applicant shall provide evidence to the Planning and Community Development Department from the Health and Fire Departments indicating the agencies' concerns or requirements have been satisfied. Said correspondence shall be included in the submittal package for any final maps and shall include approval by the Fire Department of all hydrant locations.
6. The following note shall be placed on all final maps stating:  
  
"These parcels are subject to Carson City's Growth Management Ordinance and all property owners shall comply with provisions of said ordinance."
7. Placement of all utilities, including AT&T Cablevision, shall be underground within the subdivision. Any existing overhead facilities shall be relocated prior to the submittal of a final map.
8. The applicant must sign and return the Notice of Decision for conditions for approval within ten (10) days of receipt of notification after the Board of Supervisors meeting. If the Notice of Decision is not signed and returned within ten (10) days, then the item may be rescheduled for the next Planning Commission meeting for further consideration.
9. Hours of construction will be limited to 7:00 a.m. to 7:00 p.m., Monday through Friday, and 7:00 a.m. to 5:00 p.m. on Saturday and Sunday. If the hours of construction are not adhered to, the Carson City Building Department will issue a warning for the first violation, and upon a second violation, will have the ability to cause work at the site to cease immediately.
10. The applicant shall adhere to all City standards and requirements for water and sewer systems, grading and drainage, and street improvements.

11. The applicant shall obtain a dust control permit from the Nevada Division of Environmental Protection. The site grading must incorporate proper dust control and erosion control measures.
12. A detailed storm drainage analysis, water system analysis, and sewer system analysis shall be submitted to the Development Engineering Department prior to approval of a final map.
13. Prior to the recordation of the final map for any phase of the project, the improvements associated with the project must either be constructed and approved by Carson City, or the specific performance of said work secured, by providing the City with a proper surety in the amount of one hundred fifty percent (150%) of the engineer's estimate. In either case, upon acceptance of the improvements by the City, the developer shall provide the City with a proper surety in the amount of ten percent (10%) of the engineer's estimate to secure the developer's obligation to repair defects in workmanship and materials which appear in the work within one (1) year of acceptance by the City. Improvements associated with the Conditional Letter of Map Revision must be constructed and may not be secured for in lieu of construction.
14. A "will serve" letter from the water and wastewater utilities shall be provided to the Nevada Health Division prior to approval of a final map.
15. The District Attorney shall approve any CC&R's prior to recordation of the first final map.

**Specific Conditions to be included in the Design of the Improvement Plans, to be met prior to approval of construction permit:**

16. The improvement plans shall include all improvements identified in the approved Phasing Plan, which is part of the Lompa Ranch Specific Plan.
17. The flood channels and associated access must be on separate parcels to be dedicated to the City. Maintenance of these lands will be funded through a maintenance district or similar instrument, to be established prior to Final Map approval.
18. The dimensions of the flood channels will be designed to accommodate the 100 year flow plus a minimum one foot of freeboard as approved under the FEMA Conditional Letter of Map Revision (CLOMR). These channels must be constructed prior to or with the development of the first subdivision. Bonding for these improvements will not be allowed.
19. The site improvement grading plans must include contours showing the base flood elevation plus two (2) feet, of adjacent channels to confirm that building pads are at least 2 feet above the channel base flood elevations.
20. Low impact design (LID) features must be included as part of this subdivision. LID features will be designed to the Truckee Meadows Low Impact Development Manual standards and must be privately owned and maintained by a Homeowner's Association or similar entity. Note 6 on Page C1 is to be revised to reflect this condition.
21. Sidewalk, curb, and gutter must be installed in front of apns 010-041-34 and 010-041-35 and drainage for these parcels must be tied into the flood channel.

22. All street and sidewalk improvements on the spine road and on Robinson Street will be installed as full street improvements, consistent with note 30 of the general notes. To the satisfaction of the City Engineer, local street construction shall also include all street and sidewalk improvements unless only a portion of the street is included in the approved phase, in which case only the portion included in the subject phase is required to be improved. Nothing in this condition shall be deemed to waive any requirements of the fire code.
23. All roundabout geometry must meet AASHTO geometric design standards.
24. The following street names may not be used: Appaloosa, Emily, and Sophia.
25. Looped streets must maintain the same name throughout the loop.
26. Aiden Ave and Aiden Ct must have the same suffix.
27. All streets will have a minimum 4 inch thick asphalt section.
28. Per the geotechnical report, areas with clay subgrade will have a minimum of 6 to 8 inches of base and sub-base section. Either a map of these areas must be provided by a geotechnical engineer to determine which streets require which base and sub-base thickness, or all streets must meet a this minimum 8 inch base thickness requirement. The Engineering Division will review this condition based on the geotechnical report prepared and submitted at the time of application for improvement plans.
29. The 12 inch water main in the spine road must connect all the way from Robinson Street to 5<sup>th</sup> Street per the Lompa Ranch North phasing plan.
30. Cast in place manholes are not permitted in this subdivision.
31. Sheet C1: General Notes 4, 6, 27, and 35 reference a landscape maintenance district. Consistent with the development agreement, these amenities are to be maintained by a homeowner's association (HOA) or a landscape maintenance association. A landscape maintenance district will only be formed if the HOA (or similar entity) ceases to exist or remain functional. These notes and any other related notes on the drawings must be modified to be consistent with the development agreement.
32. Sheet C1: Regarding note 10, modify plans to recognize the irrigation system will only utilize a Reduced Pressure Principle Backflow Preventer. It will not utilize a Pressure Vacuum Breaker.
33. Sheet CS2: Modify the detail for the Spine Road's multi-use path to show a 10 foot wide landscape strip, a 10 foot wide concrete multi-use path, and a 3 foot wide DG path adjacent. The landscape strip should be adjacent to the roadway.
34. Sheet CS0: Demonstrate that the drainage channel located on the ten acre park area is at the northern edge of the park so as to not interfere with park programming, and will not exceed a width of 52 feet including the service road. No additional drainage facilities, including drainage easements, will be allowed on the park property and all drainage should be perpetuated within the channel or other facilities constructed outside of the park property.

35. Sheet CS2: Curve the multi-use path along Robinson Street to connect to the pedestrian crossing on the Spine Road. Create connections from the multi-use path to the pedestrian crossing.
36. The multi-use path on the north side of Fifth Street is to connect to the Linear Park's multi-use path west of the freeway.
37. The project's improvement plans are subject to review and approval by the Parks Recreation and Open Space (PROS) department.
38. PROS Department is to sign off on the project improvements prior to final inspection by the Engineering Department.
39. The Conditional Letter of Map Revision (CLOMR) must be approved by FEMA prior to approval of any construction permits. All improvements associated with the CLOMR must be included in the improvement plans.
40. The CC&R's must clearly state that a Landscape Maintenance Association (LMA), a Home Owners Association (HOA) or similar entity is responsible for maintaining private storm drain infrastructure including any mains, basins, and LID infrastructure.
41. Landscaping plans for the construction permit must include site distance triangles showing that sight distance is not inhibited.
42. Landscaping plans for the construction permit must show distances to existing and proposed water, sewer and storm drain mains to ensure a minimum of 10 foot spacing from trees.
43. A geotechnical report will be required for the subdivision prior to approval of any construction permits.
44. Note that no water main shall have more than 15 services without looping.
45. Plans must show and note that all flood channels (Vicee Canyon, Ash Canyon, and Kings Canyon) must provide sufficient access for City maintenance equipment along the full length, with access points spaced out no more than every 660 feet, and must note that Robinson St, the Spine Road, E 5<sup>th</sup> St, and N Saliman Rd are not to be considered part of this access.
46. The developer must design the Kings Canyon flood channel such that the drainage and/or any water rights associated with parcels 010-041-34 and 010-041-035 are not adversely affected.
47. The parcels provided to accommodate the drainage swales must be at least as wide as the top width of the channel plus 10 feet, or a total of 20 feet wide, whichever is wider per Carson City Development Standards.
48. All drainage swales that receive drainage from City Streets must be shown as being on City owned property and be City maintained.

**Conditions to be Addressed with the Final Map**

49. At the time of Final Map submittal, the applicant must demonstrate that the project complies with all identified conditions, as well as with the terms of the Development Agreement.

50. The final mylar will be presented to the State Engineer for approval and signature.

**LEGAL REQUIREMENTS:** CCMC 17.05 (Tentative Maps); CCMC 17.07 (Findings); NRS 278.330

**MASTER PLAN DESIGNATION:** Lompa Ranch North Specific Plan; Medium Density Residential (MDR)

**ZONING DISTRICT:** Approved as Multi-Family Duplex (MFD) and Single Family-6000 square feet (SF6) - effective when the ownership of the land changes

**KEY ISSUES:** Is the Tentative Map consistent with the Specific Plan? Does the proposal meet the Tentative Map requirements and other applicable requirements?

**SURROUNDING ZONING AND LAND USE INFORMATION**

NORTH: Public (P) and approved as General Commercial (GC) and Multifamily Duplex (MFD) / Carson City High School and vacant

SOUTH: Agriculture (A) / Agricultural Land

WEST: Single Family 6000 square feet (SF6) / Vacant

EAST: Approved as Multifamily Duplex (MFD) and existing Agricultural (A)/ Vacant

**ENVIRONMENTAL INFORMATION:**

FLOOD ZONE: Zone AE (100 year flood plain)

SLOPE/DRAINAGE: Generally flat

SEISMIC ZONE: Zone I (Severe)

**SITE DEVELOPMENT INFORMATION:**

SUBJECT SITE AREA: 58.5 Acres

ZONING: Multi-Family Duplex and SF6000 (minimum 6,000 square foot parcel size)

EXISTING LAND USE: Vacant Land / Agriculture

TOTAL RESIDENTIAL LOTS: 204 single family lots

PROPOSED LOT SIZES: Minimum Lot Size 6000 square feet

PROPOSED SETBACKS: Setback requirements for the SF6 and the MFD zoning district apply (the two districts have the same setback requirements.)

PARKING REQUIRED: Two spaces per dwelling unit

PROJECT PHASING: The proposed Tentative Map is the second phase of the Lompa Ranch Specific Plan.

**SITE HISTORY:**

MPA-15-162: (March 17, 2016) Adoption of the Lompa Ranch North Specific Plan.

ZMA-15-163: (April 7, 2016) Adoption of a Zoning Map Amendment with an effective date of the date of a change of ownership.

CSM-17-027: (March 21, 2017) Review of a conceptual map for a 156 lot residential development on 33.1 acres.

**BACKGROUND:**

Consistent with Chapter 8 of the Master Plan, Lompa Ranch is one of four areas of the City that is subject to a Specific Plan designation. The Specific Plan designation requires development proposals within the area to be reviewed in a comprehensive manner. The policies contained in the specific plan provide a framework for development in the area.

The Lompa Ranch North Specific Plan, which encompasses 251.33 acres, was adopted on March 17, 2016. From a land use perspective, the Specific Plan includes residential areas of various densities, as well as commercial areas, areas for park land, and a ten acre area for a school and/or a fire station. The Specific Plan also addresses design standards, Parks, Open Space and Trails, Sanitary Sewer, Water Service, Storm Water Management, Utility Services, Roadways and Traffic, Fire Protection, Police Protection, and Schools.

With respect to infrastructure and public services, the Specific Plan includes a phasing plan that addresses storm water and drainage, traffic and roadways, water, and sanitary sewer planning for the entire 251 acre area. Those improvements associated with Phases B1 and B2 of the Phasing Plan of the Specific Plan will be required as part of the improvements of this phase.

The Specific Plan also addresses parks, open space, and trail amenities, as well as fire mitigation. Per the Specific Plan, these improvements will be constructed by the developer and maintained via a homeowner's association, landscape maintenance association, or similar instrument. The ten acre park on the west side is to be constructed and dedicated to the City prior to the 750<sup>th</sup> residential unit west of Interstate 580. Conditions regarding milestones to be met prior to completion of construction, including submittal of a parks conceptual plan at the time of the 400 residential unit to the west of Interstate 580, are intended to ensure the required improvements do not result in a construction delay, but rather are being planned concurrent with other construction activities.

In addition to the Specific Plan, the property is subject to a development agreement that was adopted through Ordinance 2017-25. The development agreement includes voluntary fees that must be paid at the time of building permit, as well as a framework for the parks improvements. The provisions of the development agreement will be applied to this project.

**DISCUSSION:**

Blackstone Ranch Phase 2 is located south of Robinson Street, west of Highway 395, and north of East Fifth Street. Carson City High School is located to the north of the site. Otherwise, the site is surrounded by vacant land. The subject property is currently zoned Single Family 6000 square feet (SF6) and Multi-family Duplex (MFD). Single family residential development is allowed by right in the SF6 and the MFD zoning district.

The applicant proposes 204 residential lots, intended to contain detached single family residential homes. The lots will be a minimum of 6000 square feet. Vehicular access is

proposed via East Robinson Street, East Fifth Street, and via internal access between Phase 1 and Phase 2.

As noted, the subject property is located in the 100 year floodplain. Per the Specific Plan, a Letter of Map Revision must be approved by Carson City and submitted to the Federal Emergency Management Agency (FEMA) prior to submittal of the first construction permit. This has occurred. Additionally, prior to any construction permit being issued, the development must have a Conditional Letter of Map Revision (CLOMR) approved by Carson City and FEMA. Per the proposed conditions of approval, the flood conveyance channels identified in the CLOMR must be included with the improvement plans for the subject tentative map, and executed with the same. Bonding of improvements associated with the CLOMR will not be allowed.

**PUBLIC COMMENTS:** Public notices were mailed to 30 property owners within 900 feet of the subject site pursuant to the provisions of NRS and CCMC for the Tentative Subdivision Map application. As of the completion of this staff report, no public comment has been received. Any written comments that are received after this report is completed will be submitted prior to or at the Planning Commission meeting depending upon their submittal date to the Planning Division.

**OTHER CITY DEPARTMENT OR OUTSIDE AGENCY COMMENTS:** The following comments were received from City departments. Recommendations have been incorporated into the recommended conditions of approval, where applicable.

**Engineering Division:**

The Engineering Division has reviewed the application within areas relative to adopted standards and practices and to the provisions of CCMC 17.07.005. The Engineering Division offers the following condition of approval:

1. The flood channels and associated access must be on separate parcels to be dedicated to the City. Maintenance of these lands will be funded through a maintenance district or similar instrument, to be established prior to Final Map approval.
2. The dimensions of the flood channels will be per FEMA approval. These channels must be constructed prior to development of the subdivision.
3. The site improvement grading plans must include contours showing the base flood elevation plus two (2) feet, of adjacent channels to confirm that building pads are at least 2 feet above the channel base flood elevations.
4. Low impact design (LID) features must be included as part of this subdivision. LID features will be designed to the Truckee Meadows Low Impact Development Manual standards and must be privately owned and maintained by an LMD or similar consistent with note 6 of the general notes.
5. The "Fifth Street Trail" must connect to the existing I-580 underpass trail. The connection over the floodway must have a clear span with adequate freeboard.
6. Sidewalk, curb, and gutter must be installed in front of apns 010-041-34 and 010-041-35 and drainage for these parcels must be tied into the flood channel.
7. All street and sidewalk improvements on local streets, on the spine road, and on Robinson Street, will be installed as full street improvements, consistent with note 30 of the general notes.
8. All roundabout geometry must meet AASHTO geometric design standards.
9. The following street names may not be used: Appaloosa, Emily, and Sophia.
10. Looped streets must maintain the same name throughout the loop.
11. Aiden Ave and Aiden Ct must have the same suffix.
12. All streets will have a minimum 4 inch thick asphalt section.

13. Per the geotechnical report areas with clay subgrade will have a minimum of 8 inches of base section. Either a map of these areas must be provided by a geotechnical engineer to determine which streets require this base thickness, or all streets must meet this minimum base thickness requirement.
14. The 12 inch water main in the spine road must connect all the way from Robinson Street to 5<sup>th</sup> Street per the Lompa Ranch North phasing plan.
15. Cast in place manholes are not permitted in this subdivision.
16. The parcels provided to accommodate the drainage swales must be at least as wide as the top width of the channel plus 10 feet, or a total of 20 feet wide, whichever is wider per Carson City Development Standards.
17. All drainage swales that receive drainage from City Streets must be shown as being on City owned property and be City maintained.

### **Parks, Recreation and Open Space (PROS)**

1. Page C1: Regarding notes 4, 6, 27, and 35 reference a landscape maintenance district. Consistent with the development agreement, these amenities are to be maintained by a home owner's association (HOA) or a landscape maintenance association. A landscape maintenance district will only be formed if the HOA (or similar entity) ceases to exist or remain functional. These notes and any other related notes on the drawings must be modified to be consistent with the development agreement.
2. Page C1: Regarding note 10, modify to recognize that the irrigation system will utilize a backflow preventer only. It will not utilize a vacuum breaker system.
3. Page CS2 and CX0: Modify the detail for the multi-use trail to show a 10 foot wide landscape strip, a 10 foot wide concrete multi-use path, and a 3 foot wide DG path adjacent. The landscape strip should be adjacent to the roadway.
4. Page CS0: Demonstrate that the area of the park will be ten acres and will not include a drainage facility. The drainage way is not to be on park land.
5. Page CS2: Curve the multi-use path on Robinson Street to connect to the pedestrian crossing on the spine road. Create connections to the pedestrian crossings.
6. The multi-use path on the north side of Fifth Street is to connect to the linear park east of the freeway.
7. The improvement plans are subject to review and approval by the PROS department.
8. PROS department is to sign off on the improvements prior to final inspection by the Engineering Department.

### **Fire Department**

1. Project must comply with the 2012 IFC and Northern NV Fire Code Amendments as adopted by Carson City.

**Building Division:** No comments.

**Environmental Control:** Required compliance with CCMC Title 12.06 and Appendix 18 Division 15.5, and all applicable codes found in Chapters 7 and 10 of the 2012 Uniform Plumbing Code.

**Health Department:** No comments.

**TENTATIVE MAP FINDINGS:** Staff recommends approval of the Tentative Subdivision Map based on the findings below and in the information contained in the attached reports and documents, pursuant to CCMC 17.05 (Tentative Maps); 17.07 (Findings) and NRS 278.349, subject to the recommended conditions of approval, and further substantiated by the applicant's

written justification. In making findings for approval, the Planning Commission and Board of Supervisors must consider:

1. ***Environmental and health laws and regulations concerning water and air pollution, the disposal of solid waste, facilities to supply water, community or public sewage disposal and, where applicable, individual systems for sewage disposal.***

The development is required to comply with all applicable environmental and health laws concerning water and air pollution and disposal of solid waste.

2. ***The availability of water which meets applicable health standards and is sufficient in quantity for the reasonably foreseeable needs of the subdivision.***

Water supplied to the development will meet applicable health standards. Carson City's water supply will not be exceeded by final approval of this development.

3. ***The availability and accessibility of utilities.***

All utilities are available in the area to serve this development.

4. ***The availability and accessibility of public services such as schools, police protection, transportation, recreation and parks.***

The project is located within an existing neighborhood that is served by existing schools, sheriff protection, transportation facilities and parks. The proposed subdivision will not overburden police protection. As part of the area Specific Plan, parks and recreation facilities are required to be constructed and dedicated to the City so as to meet increased demands. The subject tentative map is subject to a development agreement addressing the timing of construction and maintenance of parks, open space, and trails in Lompa Ranch.

The Lompa Ranch Specific Plan includes a ten acre land reservation for a school to meet future enrollment needs. The development agreement addresses financing and timing of the school. School district staff has advised that a new school, likely an elementary school, will be necessary due to on-going residential growth.

5. ***Access to public lands. Any proposed subdivision that is adjacent to public lands shall incorporate public access to those lands or provide an acceptable alternative.***

The proposed subdivision is located within a developed area of Carson City that is not adjacent to public lands. Access is not required in this case.

6. ***Conformity with the zoning ordinance and land use element of the City's Master Plan.***

The proposed subdivision is consistent with the Master Plan and the Lompa Ranch Specific Plan for permitted primary uses in the Medium Density Residential (MDR) land use designation. Primary uses in this land use area include single family homes.

**7. *General conformity with the City's Master plan for streets and highways.***

Subject to compliance with the proposed conditions of approval, the proposed subdivision conforms to the City's master plan for streets.

**8. *The effect of the proposed subdivision on existing public streets and the need for new streets or highways to serve the subdivision.***

All roadway improvements identified in the Phasing Plan of the Specific Plan for Phases B1 and B2 will be completed as part of this subdivision, and improvements included in the improvement plans. The traffic analysis concludes that the project traffic will not cause any significant impacts requiring mitigation.

**9. *The physical characteristics of the land such as flood plains, earthquake faults, slope and soil.***

The physical characteristics of the site currently do preclude the development as proposed. Per the specific plan, prior to the first construction permit, the development must have a CLOMR approved by Carson City and FEMA. The improvements associated with the approved CLOMR, per the proposed conditions of approval, must be constructed with the improvement plans associated with the subject project.

**10. *The recommendations and comments of those entities reviewing the subdivision request pursuant to NRS 278.330 thru 278.348, inclusive.***

The proposed tentative map has been routed to the Nevada Department of Environmental Protection and the Nevada Division of Water Resources. The Division of Water Resources has requested that a Will Serve letter from Carson City Public Works and a final mylar map of the proposed project be presented to the State Engineer for approval and signed through his office prior to development. This request has been incorporated into the proposed conditions of approval.

**11. *The availability and accessibility of fire protection including, but not limited to, the availability and accessibility of water and services for the prevention and containment of fires including fires in wild lands.***

As noted in the Specific Plan, the development of Lompa Ranch will impact the Fire Department's level of service. In response to this concern, the project development agreement addresses fees and improvements relative to fire safety. The terms of the development agreement apply to this project.

**12. *Recreation and trail easements.***

The Lompa Ranch Specific Plan specifically addresses Parks, Open Space, and Trails. The trail system is required to conform with the standards and policies of the Unified Pathways Master Plan. The Parks and Recreation staff has reviewed the tentative map for compliance with the requirements of the Specific Plan and finds, subject to the incorporation of the conditions of approval, the proposed tentative map will be in compliance.

The Specific Plan includes a requirement for the completion and dedication of a ten acre park at the time of the 750 dwelling unit on the west side of Interstate 580. The Specific

Plan also obligates a homeowners association or a landscape maintenance association be formed for purposes of maintaining landscaped areas, open space, trails, and parks and recreation facilities.

#### Attachments

Lompa Ranch North Specific Plan Area, Adopted March 17, 2016  
City and State Comments  
Tentative Map Application (TSM-17-184)

## **RECOMMENDED CONDITIONS OF APPROVAL**

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4. All lot areas and lot widths shall meet the zoning requirements approved as part of this tentative map with the submittal of any final map.
5. With the submittal of any final maps, the applicant shall provide evidence to the Planning and Community Development Department from the Health and Fire Departments indicating the agencies' concerns or requirements have been satisfied. Said correspondence shall be included in the submittal package for any final maps and shall include approval by the Fire Department of all hydrant locations.
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22. All street and sidewalk improvements on the spine road and on Robinson Street will be installed as full street improvements, consistent with note 30 of the general notes. To the satisfaction of the City Engineer, local street construction shall also include all street and sidewalk improvements unless only a portion of the street is included in the approved phase, in which case only the portion included in the subject phase is required to be improved. Nothing in this condition shall be deemed to waive any requirements of the fire code.
23. All roundabout geometry must meet AASHTO geometric design standards.
24. The following street names may not be used: Appaloosa, Emily, and Sophia.
25. Looped streets must maintain the same name throughout the loop.
26. Aiden Ave and Aiden Ct must have the same suffix.
27. All streets will have a minimum 4 inch thick asphalt section.
28. Per the geotechnical report, areas with clay subgrade will have a minimum of 6 to 8 inches of base and sub-base section. Either a map of these areas must be provided by a geotechnical engineer to determine which streets require which base and sub-base thickness, or all streets must meet a this minimum 8 inch base thickness requirement. The Engineering Division will review this condition based on the geotechnical report prepared and submitted at the time of application for improvement plans.
29. The 12 inch water main in the spine road must connect all the way from Robinson Street to 5<sup>th</sup> Street per the Lompa Ranch North phasing plan.
30. Cast in place manholes are not permitted in this subdivision.
31. Sheet C1: General Notes 4, 6, 27, and 35 reference a landscape maintenance district. Consistent with the development agreement, these amenities are to be maintained by a homeowner's association (HOA) or a landscape maintenance association. A landscape maintenance district will only be formed if the HOA (or similar entity) ceases to exist or remain functional. These notes and any other related notes on the drawings must be modified to be consistent with the development agreement.
32. Sheet C1: Regarding note 10, modify plans to recognize the irrigation system will only utilize a Reduced Pressure Principle Backflow Preventer. It will not utilize a Pressure Vacuum Breaker.
33. Sheet CS2: Modify the detail for the Spine Road's multi-use path to show a 10 foot wide landscape strip, a 10 foot wide concrete multi-use path, and a 3 foot wide DG path adjacent. The landscape strip should be adjacent to the roadway.
34. Sheet CS0: Demonstrate that the drainage channel located on the ten acre park area is at the northern edge of the park so as to not interfere with park programming, and will not exceed a width of 52 feet including the service road. No additional drainage facilities, including drainage easements, will be allowed on the park property and all drainage should be perpetuated within the channel or other facilities constructed outside of the park property.

35. Sheet CS2: Curve the multi-use path along Robinson Street to connect to the pedestrian crossing on the Spine Road. Create connections from the multi-use path to the pedestrian crossing.
36. The multi-use path on the north side of Fifth Street is to connect to the Linear Park's multi-use path west of the freeway.
37. The project's improvement plans are subject to review and approval by the Parks Recreation and Open Space (PROS) department.
38. PROS Department is to sign off on the project improvements prior to final inspection by the Engineering Department.
39. The Conditional Letter of Map Revision (CLOMR) must be approved by FEMA prior to approval of any construction permits. All improvements associated with the CLOMR must be included in the improvement plans.
40. The CC&R's must clearly state that a Landscape Maintenance Association (LMA), a Home Owners Association (HOA) or similar entity is responsible for maintaining private storm drain infrastructure including any mains, basins, and LID infrastructure.
41. Landscaping plans for the construction permit must include site distance triangles showing that sight distance is not inhibited.
42. Landscaping plans for the construction permit must show distances to existing and proposed water, sewer and storm drain mains to ensure a minimum of 10 foot spacing from trees.
43. A geotechnical report will be required for the subdivision prior to approval of any construction permits.
44. Note that no water main shall have more than 15 services without looping.
45. Plans must show and note that all flood channels (Vicee Canyon, Ash Canyon, and Kings Canyon) must provide sufficient access for City maintenance equipment along the full length, with access points spaced out no more than every 660 feet, and must note that Robinson St, the Spine Road, E 5<sup>th</sup> St, and N Saliman Rd are not to be considered part of this access.
46. The developer must design the Kings Canyon flood channel such that the drainage and/or any water rights associated with parcels 010-041-34 and 010-041-035 are not adversely affected.
47. The parcels provided to accommodate the drainage swales must be at least as wide as the top width of the channel plus 10 feet, or a total of 20 feet wide, whichever is wider per Carson City Development Standards.
48. All drainage swales that receive drainage from City Streets must be shown- as being on City owned property and be City maintained.

**Conditions to be Addressed with the Final Map**

49. At the time of Final Map submittal, the applicant must demonstrate that the project complies with all identified conditions, as well as with the terms of the Development Agreement.

50. The final mylar will be presented to the State Engineer for approval and signature.

**LEGAL REQUIREMENTS:** CCMC 17.05 (Tentative Maps); CCMC 17.07 (Findings); NRS 278.330;

**MASTER PLAN DESIGNATION:** Lompa Ranch North Specific Plan; Medium Density Residential (MDR)

**ZONING DISTRICT:** Approved as Multi-Family Duplex (MFD) and Single Family-6000 square feet (SF6) - effective when the ownership of the land changes

**KEY ISSUES:** Is the Tentative Map consistent with the Specific Plan? Does the proposal meet the Tentative Map requirements and other applicable requirements?

**SURROUNDING ZONING AND LAND USE INFORMATION**

NORTH: Public (P) and approved as General Commercial (GC) and Multifamily Duplex (MFD) / Carson City High School and vacant

SOUTH: Agriculture (A) / Agricultural Land

WEST: Single Family 6000 square feet (SF6) / Vacant

EAST: Approved as Multifamily Duplex (MFD) and existing Agricultural (A)/ Vacant

**ENVIRONMENTAL INFORMATION:**

FLOOD ZONE: Zone AE (100 year flood plain)

SLOPE/DRAINAGE: Generally flat

SEISMIC ZONE: Zone I (Severe)

**SITE DEVELOPMENT INFORMATION:**

SUBJECT SITE AREA: 58.5 Acres

ZONING: Multi-Family Duplex and SF6000 (minimum 6,000 square foot parcel size)

EXISTING LAND USE: Vacant Land / Agriculture

TOTAL RESIDENTIAL LOTS: 204 single family lots

PROPOSED LOT SIZES: Minimum Lot Size 6000 square feet

PROPOSED SETBACKS: Setback requirements for the SF6 and the MFD zoning district apply (the two districts have the same setback requirements.)

PARKING REQUIRED: Two spaces per dwelling unit

PROJECT PHASING: The proposed Tentative Map is the second phase of the Lompa Ranch Specific Plan.

**SITE HISTORY:**

MPA-15-162: (March 17, 2016) Adoption of the Lompa Ranch North Specific Plan.

ZMA-15-163: (April 7, 2016) Adoption of a Zoning Map Amendment with an effective date of the date of a change of ownership.

CSM-17-027: (March 21, 2017) Review of a conceptual map for a 156 lot residential development on 33.1 acres.

**BACKGROUND:**

Consistent with Chapter 8 of the Master Plan, Lompa Ranch is one of four areas of the City that is subject to a Specific Plan designation. The Specific Plan designation requires development proposals within the area to be reviewed in a comprehensive manner. The policies contained in the specific plan provide a framework for development in the area.

The Lompa Ranch North Specific Plan, which encompasses 251.33 acres, was adopted on March 17, 2016. From a land use perspective, the Specific Plan includes residential areas of various densities, as well as commercial areas, areas for park land, and a ten acre area for a school and/or a fire station. The Specific Plan also addresses design standards, Parks, Open Space and Trails, Sanitary Sewer, Water Service, Storm Water Management, Utility Services, Roadways and Traffic, Fire Protection, Police Protection, and Schools.

With respect to infrastructure and public services, the Specific Plan includes a phasing plan that addresses storm water and drainage, traffic and roadways, water, and sanitary sewer planning for the entire 251 acre area. Those improvements associated with Phases B1 and B2 of the Phasing Plan of the Specific Plan will be required as part of the improvements of this phase.

The Specific Plan also addresses parks, open space, and trail amenities, as well as fire mitigation. Per the Specific Plan, these improvements will be constructed by the developer and maintained via a homeowner's association, landscape maintenance association, or similar instrument. The ten acre park on the west side is to be constructed and dedicated to the City prior to the 750<sup>th</sup> residential unit west of Interstate 580. Conditions regarding milestones to be met prior to completion of construction, including submittal of a parks conceptual plan at the time of the 400 residential unit to the west of Interstate 580, are intended to ensure the required improvements do not result in a construction delay, but rather are being planned concurrent with other construction activities.

In addition to the Specific Plan, the property is subject to a development agreement that was adopted through Ordinance 2017-25. The development agreement includes voluntary fees that must be paid at the time of building permit, as well as a framework for the parks improvements. The provisions of the development agreement will be applied to this project.

**DISCUSSION:**

Blackstone Ranch Phase 2 is located south of Robinson Street, west of Highway 395, and north of East Fifth Street. Carson City High School is located to the north of the site. Otherwise, the site is surrounded by vacant land. The subject property is currently zoned Single Family 6000 square feet (SF6) and Multi-family Duplex (MFD). Single family residential development is allowed by right in the SF6 and the MFD zoning district.

The applicant proposes 204 residential lots, intended to contain detached single family residential homes. The lots will be a minimum of 6000 square feet. Vehicular access is

proposed via East Robinson Street, East Fifth Street, and via internal access between Phase 1 and Phase 2.

As noted, the subject property is located in the 100 year floodplain. Per the Specific Plan, a Letter of Map Revision must be approved by Carson City and submitted to the Federal Emergency Management Agency (FEMA) prior to submittal of the first construction permit. This has occurred. Additionally, prior to any construction permit being issued, the development must have a Conditional Letter of Map Revision (CLOMR) approved by Carson City and FEMA. Per the proposed conditions of approval, the flood conveyance channels identified in the CLOMR must be included with the improvement plans for the subject tentative map, and executed with the same. Bonding of improvements associated with the CLOMR will not be allowed.

**PUBLIC COMMENTS:** Public notices were mailed to 30 property owners within 900 feet of the subject site pursuant to the provisions of NRS and CCMC for the Tentative Subdivision Map application. As of the completion of this staff report, no public comment has been received. Any written comments that are received after this report is completed will be submitted prior to or at the Planning Commission meeting depending upon their submittal date to the Planning Division.

**OTHER CITY DEPARTMENT OR OUTSIDE AGENCY COMMENTS:** The following comments were received from City departments. Recommendations have been incorporated into the recommended conditions of approval, where applicable.

**Engineering Division:**

The Engineering Division has reviewed the application within areas relative to adopted standards and practices and to the provisions of CCMC 17.07.005. The Engineering Division offers the following condition of approval:

1. The flood channels and associated access must be on separate parcels to be dedicated to the City. Maintenance of these lands will be funded through a maintenance district or similar instrument, to be established prior to Final Map approval.
2. The dimensions of the flood channels will be per FEMA approval. These channels must be constructed prior to development of the subdivision.
3. The site improvement grading plans must include contours showing the base flood elevation plus two (2) feet, of adjacent channels to confirm that building pads are at least 2 feet above the channel base flood elevations.
4. Low impact design (LID) features must be included as part of this subdivision. LID features will be designed to the Truckee Meadows Low Impact Development Manual standards and must be privately owned and maintained by an LMD or similar consistent with note 6 of the general notes.
5. The "Fifth Street Trail" must connect to the existing I-580 underpass trail. The connection over the floodway must have a clear span with adequate freeboard.
6. Sidewalk, curb, and gutter must be installed in front of apns 010-041-34 and 010-041-35 and drainage for these parcels must be tied into the flood channel.
7. All street and sidewalk improvements on local streets, on the spine road, and on Robinson Street, will be installed as full street improvements, consistent with note 30 of the general notes.
8. All roundabout geometry must meet AASHTO geometric design standards.
9. The following street names may not be used: Appaloosa, Emily, and Sophia.
10. Looped streets must maintain the same name throughout the loop.
11. Aiden Ave and Aiden Ct must have the same suffix.
12. All streets will have a minimum 4 inch thick asphalt section.

13. Per the geotechnical report areas with clay subgrade will have a minimum of 8 inches of base section. Either a map of these areas must be provided by a geotechnical engineer to determine which streets require this base thickness, or all streets must meet this minimum base thickness requirement.
14. The 12 inch water main in the spine road must connect all the way from Robinson Street to 5<sup>th</sup> Street per the Lompa Ranch North phasing plan.
15. Cast in place manholes are not permitted in this subdivision.
16. The parcels provided to accommodate the drainage swales must be at least as wide as the top width of the channel plus 10 feet, or a total of 20 feet wide, whichever is wider per Carson City Development Standards.
17. All drainage swales that receive drainage from City Streets must be shown as being on City owned property and be City maintained.

### **Parks, Recreation and Open Space (PROS)**

1. Page C1: Regarding notes 4, 6, 27, and 35 reference a landscape maintenance district. Consistent with the development agreement, these amenities are to be maintained by a home owner's association (HOA) or a landscape maintenance association. A landscape maintenance district will only be formed if the HOA (or similar entity) ceases to exist or remain functional. These notes and any other related notes on the drawings must be modified to be consistent with the development agreement.
2. Page C1: Regarding note 10, modify to recognize that the irrigation system will utilize a backflow preventer only. It will not utilize a vacuum breaker system.
3. Page CS2 and CX0: Modify the detail for the multi-use trail to show a 10 foot wide landscape strip, a 10 foot wide concrete multi-use path, and a 3 foot wide DG path adjacent. The landscape strip should be adjacent to the roadway.
4. Page CS0: Demonstrate that the area of the park will be ten acres and will not include a drainage facility. The drainage way is not to be on park land.
5. Page CS2: Curve the multi-use path on Robinson Street to connect to the pedestrian crossing on the spine road. Create connections to the pedestrian crossings.
6. The multi-use path on the north side of Fifth Street is to connect to the linear park east of the freeway.
7. The improvement plans are subject to review and approval by the PROS department.
8. PROS department is to sign off on the improvements prior to final inspection by the Engineering Department.

### **Fire Department**

1. Project must comply with the 2012 IFC and Northern NV Fire Code Amendments as adopted by Carson City.

**Building Division:** No comments.

**Environmental Control:** Required compliance with CCMC Title 12.06 and Appendix 18 Division 15.5, and all applicable codes found in Chapters 7 and 10 of the 2012 Uniform Plumbing Code.

**Health Department:** No comments.

**TENTATIVE MAP FINDINGS:** Staff recommends approval of the Tentative Subdivision Map based on the findings below and in the information contained in the attached reports and documents, pursuant to CCMC 17.05 (Tentative Maps); 17.07 (Findings) and NRS 278.349, subject to the recommended conditions of approval, and further substantiated by the applicant's

written justification. In making findings for approval, the Planning Commission and Board of Supervisors must consider:

1. ***Environmental and health laws and regulations concerning water and air pollution, the disposal of solid waste, facilities to supply water, community or public sewage disposal and, where applicable, individual systems for sewage disposal.***

The development is required to comply with all applicable environmental and health laws concerning water and air pollution and disposal of solid waste.

2. ***The availability of water which meets applicable health standards and is sufficient in quantity for the reasonably foreseeable needs of the subdivision.***

Water supplied to the development will meet applicable health standards. Carson City's water supply will not be exceeded by final approval of this development.

3. ***The availability and accessibility of utilities.***

All utilities are available in the area to serve this development.

4. ***The availability and accessibility of public services such as schools, police protection, transportation, recreation and parks.***

The project is located within an existing neighborhood that is served by existing schools, sheriff protection, transportation facilities and parks. The proposed subdivision will not overburden police protection. As part of the area Specific Plan, parks and recreation facilities are required to be constructed and dedicated to the City so as to meet increased demands. The subject tentative map is subject to a development agreement addressing the timing of construction and maintenance of parks, open space, and trails in Lompa Ranch.

The Lompa Ranch Specific Plan includes a ten acre land reservation for a school to meet future enrollment needs. The development agreement addresses financing and timing of the school. School district staff has advised that a new school, likely an elementary school, will be necessary due to on-going residential growth.

5. ***Access to public lands. Any proposed subdivision that is adjacent to public lands shall incorporate public access to those lands or provide an acceptable alternative.***

The proposed subdivision is located within a developed area of Carson City that is not adjacent to public lands. Access is not required in this case.

6. ***Conformity with the zoning ordinance and land use element of the City's Master Plan.***

The proposed subdivision is consistent with the Master Plan and the Lompa Ranch Specific Plan for permitted primary uses in the Medium Density Residential (MDR) land use designation. Primary uses in this land use area include single family homes.

**7. General conformity with the City's Master plan for streets and highways.**

Subject to compliance with the proposed conditions of approval, the proposed subdivision conforms to the City's master plan for streets.

**8. The effect of the proposed subdivision on existing public streets and the need for new streets or highways to serve the subdivision.**

All roadway improvements identified in the Phasing Plan of the Specific Plan for Phases B1 and B2 will be completed as part of this subdivision, and improvements included in the improvement plans. The traffic analysis concludes that the project traffic will not cause any significant impacts requiring mitigation.

**9. The physical characteristics of the land such as flood plains, earthquake faults, slope and soil.**

The physical characteristics of the site currently do preclude the development as proposed. Per the specific plan, prior to the first construction permit, the development must have a CLOMR approved by Carson City and FEMA. The improvements associated with the approved CLOMR, per the proposed conditions of approval, must be constructed with the improvement plans associated with the subject project.

**10. The recommendations and comments of those entities reviewing the subdivision request pursuant to NRS 278.330 thru 278.348, inclusive.**

The proposed tentative map has been routed to the Nevada Department of Environmental Protection and the Nevada Division of Water Resources. The Division of Water Resources has requested that a Will Serve letter from Carson City Public Works and a final mylar map of the proposed project be presented to the State Engineer for approval and signed through his office prior to development. This request has been incorporated into the proposed conditions of approval.

**11. The availability and accessibility of fire protection including, but not limited to, the availability and accessibility of water and services for the prevention and containment of fires including fires in wild lands.**

As noted in the Specific Plan, the development of Lompa Ranch will impact the Fire Department's level of service. In response to this concern, the project development agreement addresses fees and improvements relative to fire safety. The terms of the development agreement apply to this project.

**12. Recreation and trail easements.**

The Lompa Ranch Specific Plan specifically addresses Parks, Open Space, and Trails. The trail system is required to conform with the standards and policies of the Unified Pathways Master Plan. The Parks and Recreation staff has reviewed the tentative map for compliance with the requirements of the Specific Plan and finds, subject to the incorporation of the conditions of approval, the proposed tentative map will be in compliance.

The Specific Plan includes a requirement for the completion and dedication of a ten acre park at the time of the 750 dwelling unit on the west side of Interstate 580. The Specific

Plan also obligates a homeowners association or a landscape maintenance association be formed for purposes of maintaining landscaped areas, open space, trails, and parks and recreation facilities.

#### Attachments

Lompa Ranch North Specific Plan Area, Adopted March 17, 2016  
City and State Comments  
Tentative Map Application (TSM-17-184)

# *Lompa Ranch North Specific Plan*

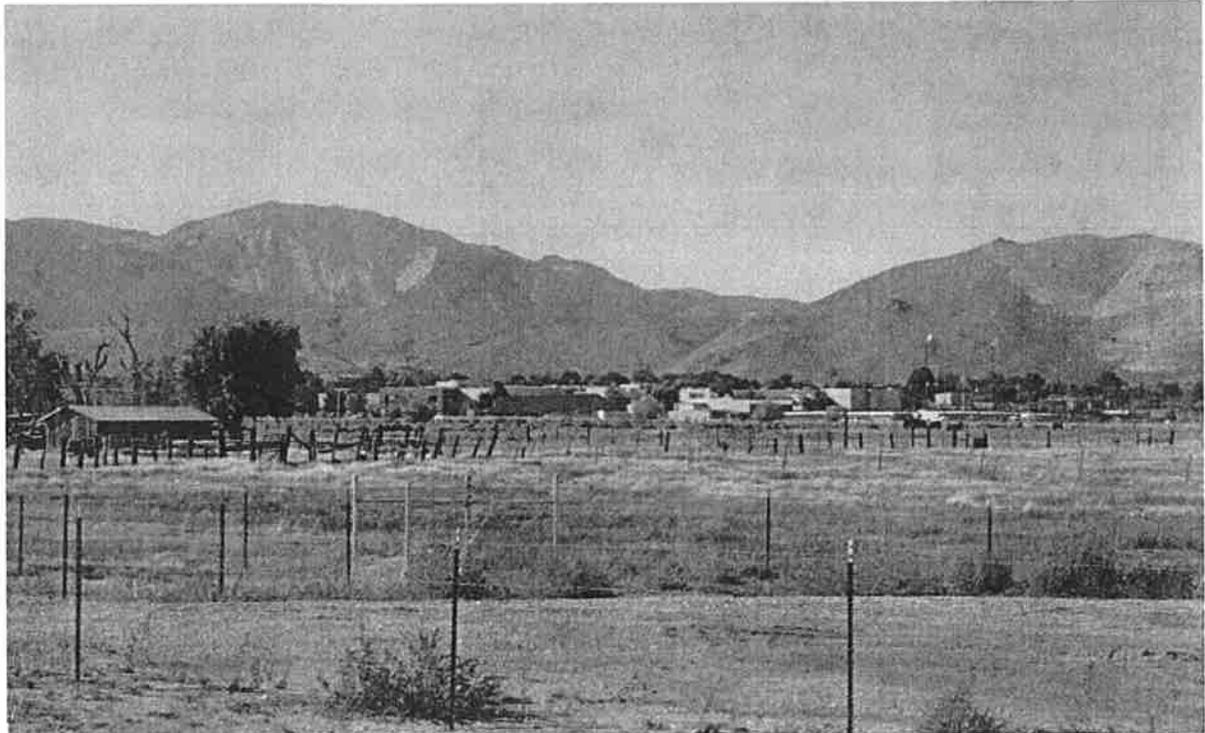


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**ADOPTED  
MARCH 17, 2016**

**CARSON CITY BOARD OF SUPERVISORS**

# LOMPA RANCH NORTH SPECIFIC PLAN

**Prepared for:**

Blackstone Development Group

439 W. Plumb Lane

Reno, Nevada 89509

**Prepared by:**

Rubicon Design Group, LLC

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Reno, Nevada 89509

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# *Lompa Ranch North Specific Plan*

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# *Lompa Ranch North Specific Plan*

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# Lompa Ranch North Specific Plan

## 1. Introduction

### 1.1 Location

The Lompa Ranch North Specific Plan Area encompasses 251.31± acres. The majority of land (203.27±) acres is located on the west side of Interstate 580, north of East Fifth Street, east of Saliman Road, and south of US Highway 50 (East William Street). The remaining 48.04± acres is located on the east side of Interstate 580 along the western side of Airport Road. Figure 1 (below) depicts the Lompa Ranch North in context with the surrounding area.



Figure 1 – Lompa Ranch North Specific Plan Area

## *Lompa Ranch North Specific Plan*

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### **1.2 Purpose**

The purpose of this Development Handbook is to provide for the orderly development of the Lompa Ranch North Specific Plan Area (SPA) as envisioned, while assuring that the stated desired level of quality is achieved. Since implementation of public and private improvements will occur in multiple phases, over many years, the standards and guidelines contained herein establish a common framework to guide individual improvement plans. The development of the property is controlled and restricted by these development requirements as well as by all applicable government codes and regulations. This Development Handbook is not intended to limit creativity or prevent variation necessary to respond to unique site conditions, but rather to generate consistency and quality throughout the SPA.

This SPA is for the Lompa Ranch North properties specifically identified with this document. Future development of the remaining Lompa Ranch properties as identified in the 2006 Carson City Master Plan shall be required to receive approval of a new SPA for those areas prior to development.

### **1.3 Vision**

The Lompa Ranch North SPA is intended to provide for a sustainable community that includes a range of land uses that complement not only each other but those that currently exist outside of the SPA boundaries. The vision is to provide for a viable community that promotes a variety of housing types supported by well-balanced commercial, recreational, and educational opportunities.

Complementing the commercial uses and neighborhoods within Lompa Ranch North will be a linear open space preserve along Interstate 580 as well as a network of trails and sidewalks throughout the community, providing non-vehicular connectivity to the various internal and regional components of the area. Throughout Lompa Ranch North, consistent design themes, entries, and landscape treatments will establish a sense of place/community and recall the property's ranching roots.

#### **1.3.1 Land Use Pattern**

The land use mix within Lompa Ranch North provides for varying levels of compatible densities and intensities that will result in a synergy that attracts both residents and businesses. This supports walkability within the community to commercial, recreational, employment, and public activities. It also minimizes the consumption of land associated with traditional suburban development by encouraging and creating a more

## *Lompa Ranch North Specific Plan*

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compact development pattern that is efficient for infrastructure, public services and maintenance.

### **1.3.2 Sense of Place and Community**

Creating a sense of place is one of the key components in creating a vibrant and balanced community. A sense of place is fostered within Lompa Ranch North by creating human-scale environments in which the individual can feel both comfortable and safe. This includes provisions for open space and walking paths, neighborhood parks, common design themes, and uses that complement each other.



Furthermore, the Lompa Ranch North SPA promotes and provides for connectivity between various neighborhoods and uses that are integrated through the standards included within this handbook.

### **1.3.3 Diverse Housing Mix**



The Lompa Ranch North SPA provides for neighborhood diversity by allowing for a mix of residential densities and product types to support a wide range of resident interests and needs. The



densities included in the SPA will also support and complement planned commercial uses within the Lompa Ranch North plan area. Furthermore, this diversity in densities and housing types serves to break up the monotony of traditional residential development by reinforcing the dynamics of character and identity within each of the neighborhoods.



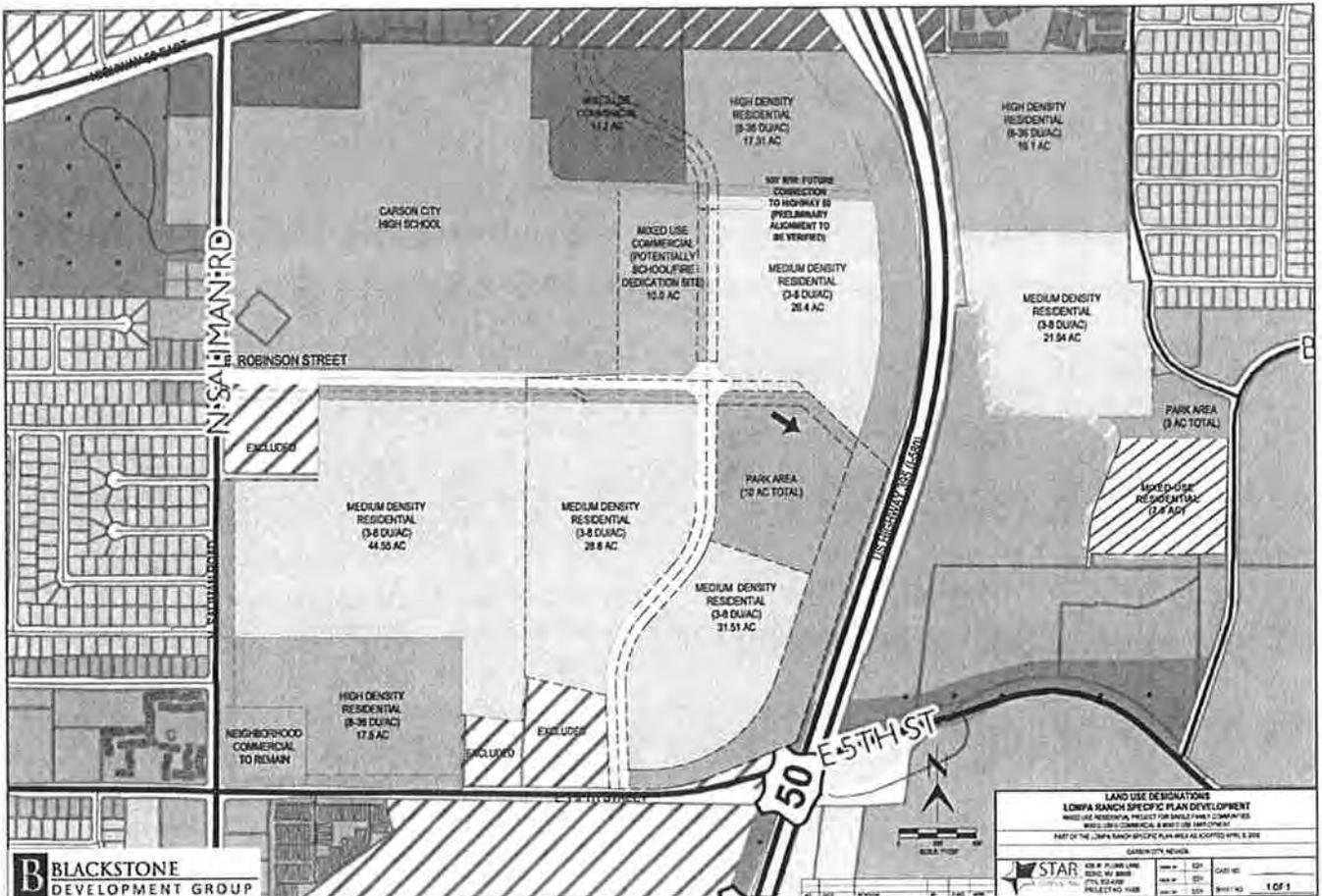
### **1.3.4 Implementation**

This handbook will be used by the Carson City Community Development Department as a guide for reviewing individual projects within the boundaries of the Lompa Ranch North SPA.



# Lompa Ranch North Specific Plan

Master Plan land use designations for the Lompa Ranch North SPA are included below:



## 1.4.1 General Standards

- The Lompa Ranch North SPA is envisioned to include a mix of residential uses ranging from 4 units per acre up to 36 units per acre.
- Land use is determined based on zoning. Zoning adopted with this Specific Plan shall be reviewed and approved by the Carson City Planning Commission and Board of Supervisors and deemed to be appropriate for the site(s).

## *Lompa Ranch North Specific Plan*

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- c) Commercial uses at a varying range of intensities are encouraged within the SPA to serve both new residents of Lompa Ranch North as well as those within the surrounding area. Commercial uses shall be located as to properly relate to adjoining uses.
- d) Uses within Lompa Ranch North shall conform to the underlying zoning district(s) assigned to the individual parcels as outlined in Title 18 of the Carson City Municipal Code
- e) Supplemental review required for specific uses within zoning categories such as Special Use Permits shall remain in effect per the Carson City Municipal Code (refer to allowed uses within individual zoning categories).
- f) This Specific Plan shall not grant any special privileges or waivers in terms of public review or entitlements otherwise required under the Carson City Municipal code in terms of allowed uses or supplemental review.

## *Lompa Ranch North Specific Plan*

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### **2 Standards and Guidelines**

The site planning standards and guidelines address general provisions of site development which include building orientation, grading and drainage, parking areas, landscape, lighting, signs, walls and fences, and service areas. Site planning controls the proper placement of buildings and internal roads that service and access the various land uses in the community. It addresses the linkages and land use relationships at a human-scale, in order to create a stimulating and visually pleasant community. The goal is to promote pedestrian activity and safety, create visual compatibility with surrounding neighborhoods and minimize negative impacts on the natural environment. These standards are intended to be used in addition to the standards outlined in the Carson City Municipal Code, Title 18 Appendix - Development Standards. In cases where a conflict exists, the stricter of the standards shall apply. Where these standards are silent, the Carson City Development Standards shall apply.

#### **2.1 Commercial Uses**

##### **2.1.1 Commercial Site Planning Standards**

- a) Building placement and orientation shall be designed to create visual interest along public streets. Multiple buildings in a single project shall demonstrate a positive functional relationship to one another.
- b) To the extent possible, buildings located within a single project shall be clustered. Plazas and pedestrian areas shall also be an important element in the design of clustered buildings. When clustering is impractical, a visual link should be established between buildings through the use of architectural features, landscaping, etc.
- c) For general commercial uses, a minimum of 15 percent of the building area should be located at or near the front setback line. This minimizes large, continuous areas of parking and encourages active streetscapes.
- d) Buildings shall be oriented so that public access or windows face adjoining streets.
- e) Plazas or common areas within a project shall be located near building entrances or areas of high pedestrian traffic to ensure their use.
- f) To the extent possible, areas between buildings shall be utilized for plazas, outdoor seating, or landscape

## *Lompa Ranch North Specific Plan*

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features in order to eliminate “dead zones” of underutilized space.

g) Bicycle racks shall be provided within all commercial centers.

### **2.1.2 Commercial Grading and Drainage**

a) Design of commercial uses shall be sensitive to the natural terrain, and structures should be located to minimize necessary grading and preserve natural site features such as drainageways, wetlands, etc. Grading of commercial sites should blend with the natural topography of the site.

b) Grading within commercial areas shall be designed to complement the architectural and landscape design character of the center and surrounding area. Grading techniques can be used to screen parking and service areas, reduce the perception of height and mass on larger buildings, and provide reasonable transitions between uses.

c) Graded slopes should properly transition to existing natural terrain at project borders.

d) Man-made slopes shall not exceed an average of 3:1 slope and turf areas shall not exceed an average 4:1 slope.

e) Areas disturbed by grading activities shall be revegetated prior to the issuance of a certificate of occupancy. If climatic conditions or other circumstances prevent planting at the time of occupancy, a bond shall be provided for landscaping during the subsequent growing season. Drought tolerant plant species shall be utilized to help minimize erosion.

f) New commercial developments must include a final hydrology report to be reviewed and approved by the Carson City Engineering Department prior to the issuance of a building permit.

g) An erosion control plan shall be included with each grading permit.

Appendix 1 contains the Conceptual Drainage Study and Stormwater Management Report for Lompa Ranch North.

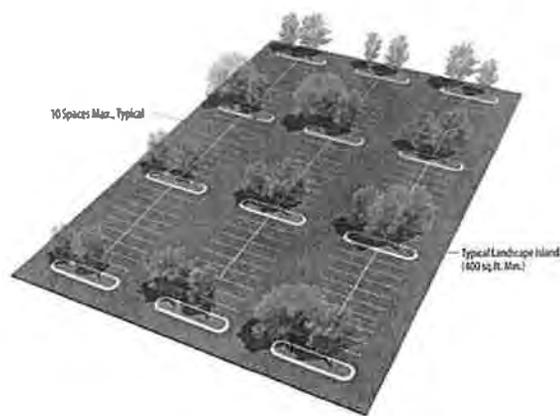
## Lomp Ranch North Specific Plan

### 2.1.3 Commercial Parking Lots

a) A minimum of 10 feet of landscaping shall be provided between parking lots and the public streets.

b) A minimum 400 square foot interior planter shall be provided at the end of parking aisles (refer to example to the right). Planters shall include a minimum of one deciduous tree (min. two inch caliper) – see example to right.

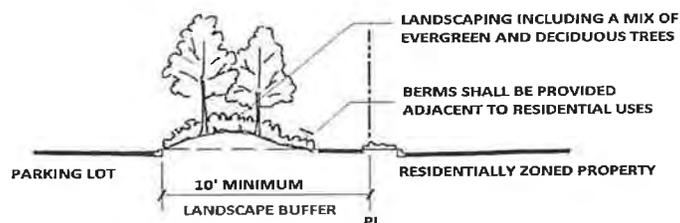
c) Landscape islands (minimum of 400 square feet) shall be provided for every 10 spaces in large parking fields and shall include a minimum of one deciduous tree (two inch caliper minimum). See example to right.



d) Pedestrian connections between parking lots and buildings shall be provided along with connections to sidewalks along adjoining public streets.

e) Parking should be located to the side and rear of a project site where feasible. However, no more than 10 percent of the required parking shall be in the rear service area (typically not used for general public access) of a project site.

f) Parking areas shall be screened from adjoining residential areas through the use of landscaping and berming. This buffer shall be a minimum of 10 feet in width (see example to right).



g) Commercial centers that include tenants that utilize shopping carts shall provide a "cart corral" within 150 feet of 85 percent of their parking stalls.

h) For commercial centers exceeding 5 acres, a maintenance plan shall be required for parking lots that includes regular sweeping and a snow removal/storage plan for winter weather events.

i) For commercial centers adjoining residential areas, parking lot sweeping shall be limited to the hours

## *Lompa Ranch North Specific Plan*

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between 8:00 am and 9:00 pm.

j) Parking lot design, including space dimensions, aisle widths, etc. shall comply with the provisions of the Carson City Municipal Code.

k) Outdoor sales or special events may not reduce parking past minimum requirements mandated in the Carson City Municipal Code.

### **2.1.4 Commercial Landscaping**

a) Landscaping, including plant materials and themes shall be consistent throughout the Lompa Ranch North SPA.

b) Landscaping standards contained in the Carson City Development Standards shall apply within Lompa Ranch North.

c) Within commercial centers, areas not utilized for parking, buildings, plazas, or access/circulation shall be landscaped to the back of curb. Unbuilt pad areas shall be excluded from this standard.

d) Drought tolerant plantings shall be used in conjunction with low water demand principles and techniques.

e) All landscaped areas shall be irrigated with permanent automatic irrigation systems. All irrigation systems shall be placed underground.

f) Landscape maintenance within commercial areas shall be the responsibility of individual property owners or completed through a private maintenance association.

g) Landscaping along adjoining rights-of-way shall be a minimum width of 15 feet and provide a mix of trees, shrubs, and living groundcover. Trees shall be provided at a rate of 1 tree per 25 lineal feet of street frontage with a minimum of six shrubs per tree

### **2.1.5 Commercial Lighting**

a) Adequate lighting shall be provided to ensure a safe pedestrian environment.

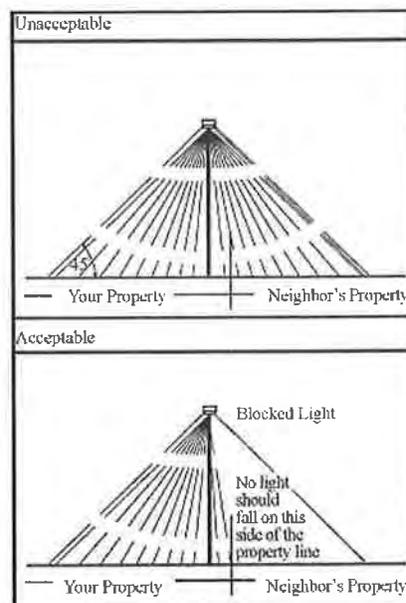
## Lompa Ranch North Specific Plan

b) Parking lot lighting within 75 feet of residential areas shall be limited to 12 feet in height and shall incorporate shielded fixtures. Additional height limitations for parking lot lighting within certain distances of residential areas are identified in the Carson City Development Standards.

c) Parking lot lighting shall use shielded/directed fixtures to ensure that spill-over and glare do not occur on adjoining properties. See example to right.

d) The use of bollard lighting is encouraged in pedestrian areas.

e) Exterior lighting shall be used for purposes of illumination and safety only, and shall not be designed for, or used as, an advertising display.



### 2.1.6 Commercial Signs

Signs and their integration into the project is a critical element in the design of Lompa Ranch North. Careful use of forms, styles, materials, and colors will establish continuity throughout the community. Signs are intended to be utilized only where necessary, and in an understated manner, emphasizing an image of permanence and quality.

a) Signs shall be included on facades or entry canopies of buildings and illuminated or backlit with indirect lighting. All tenant identification signs shall be consistently located and integrated into the architectural design of the building entry. Storefront signs shall be proportional with the building architecture (see example to right).



b) Flashing or animated signs are prohibited.

c) Building signs that project more than 4 inches beyond the wall façade are prohibited, unless incorporated as an architectural element.

## Lompa Ranch North Specific Plan

d) Hanging signs may be included under eaves above walkways and shall maintain a minimum of 8 feet of clearance. These signs shall be architecturally compatible with the building they serve (see example to right).



### 2.1.7 Commercial Fencing

a) Walls and fences shall be utilized to provide a buffer between incompatible uses. It is important, however, that walls are appropriately integrated into each project

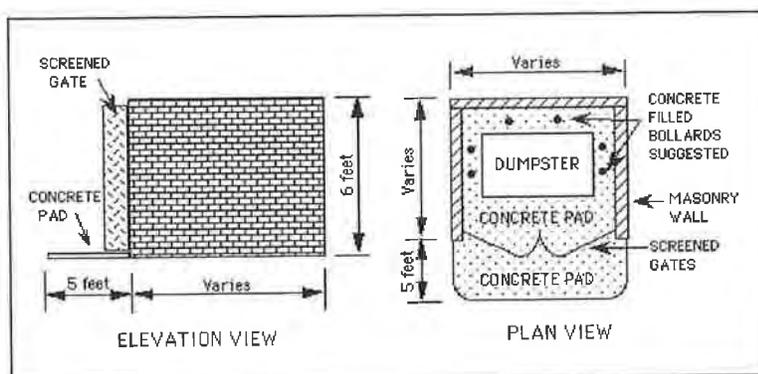
b) Solid fencing (6 foot minimum) shall be installed between commercial uses within Lompa Ranch North and adjoining residential uses. This can include wood or vinyl fencing, concrete block walls, pre-cast wall systems, or similar.

c) Chain link fencing shall be prohibited within commercial centers.

### 2.1.8 Commercial Trash and Utility Areas

a) Service and maintenance areas shall be screened from adjacent public right-of-ways, pedestrian plazas or adjacent residential uses with landscaped berms, walls or plantings. Storage areas shall be enclosed by a 100% site obscuring fence or wall, permanently installed and maintained at a minimum height of six feet.

b) All trash and garbage bins shall be stored in an enclosure that includes solid screening, to the approval of the Carson City Community Development Department.



c) Trash enclosures shall incorporate building materials, colors, etc. that are complementary to the overall project architecture. Gates shall be constructed of durable building materials that screens at a minimum 80% of the view into the trash enclosure. Wood or chain link gates are not allowed (see example to left).

## *Lompa Ranch North Specific Plan*

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d) Trash enclosures must include provisions for concrete pads or appropriately designed asphalt sections in front of the enclosure. The area in front of the trash enclosure shall be a minimum of six (6) feet to reduce pavement damage from disposal trucks.

### **2.2 Single Family Residential Areas**

#### **2.2.1 Neighborhood Diversity**

Single family areas within the Lompa Ranch North SPA will include varied densities and housing types in order to create separate and distinct neighborhoods within the project. This can be accomplished through the use of varied housing types, distinct architectural styles and elements, etc.

a) Densities within single family areas will range from 3 to 8 dwelling units per acre.

b) Neighborhood density shall properly relate to adjoining developed areas and provide for transition between neighborhood types. Proper transitions can include feathering of density/lot size, landscape buffers, or walls/fences that serve to identify community boundaries.

c) Individual single family projects within the SPA boundary may create their own sense of identity through the use of entry features that include distinctive signage, entry treatments, landscape improvements, water features, etc.

d) Varied densities are encouraged throughout the SPA boundary to encourage varied product types including single family detached homes, patio homes, duplexes, townhouses, etc. Additionally, new urbanism design principles such as house-forward designs with residential alleyways are permitted within the single family areas.

e) It is the intent of the SPA to provide a number of distinctly different neighborhood types rather than a single "large neighborhood" with a single product type.

f) Variation in architectural styles is encouraged throughout the SPA in order to provide distinct neighborhood identity to new subdivisions within the Lompa Ranch North.

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### 2.2.2 Single Family Neighborhood Design

Neighborhoods within Lompa Ranch North will promote quality development that is complementary to the existing built environment, while establishing its own sense of identity through uniform and innovative design. A variety of single family detached, as well as single family attached products are anticipated within the SPA boundary.

a) To the extent possible, “forward” architecture shall be used in the design of homes. This is accomplished by placing entries, windows, front porches, and living areas towards the street on most plan variations.

b) With the exception of zero lot line lots, plans should be reversed and plotted so that garages and entries are adjacent to each other. This creates an undulating sense of setback. Occasionally this pattern should be broken so that it will not become overly repetitious or reflected by the massing across the street.

c) The garage shall not be the dominant feature of the building facade facing the street and should be offset through architectural detailing for garage forward elevations.



d) So as not to contribute to a repetitious and monotonous appearance along the street, the use of varying building setbacks from the street right-of-way is encouraged.

e) Neighborhoods shall provide connections into the community trail system.

g) In order to avoid a “walled-in” feel, homes backing to parks, open space, or drainage corridors shall include open rear fencing. This includes the use of split rail or iron fencing. See example to right.

h) Setbacks for single family residential areas shall comply with the underlying zoning district for which the subdivision is located. In order to provide for visual interest within the streetscape, front setbacks may be reduced up to 5 feet in order to achieve a non-monotonous/repetitive streetscape pattern.

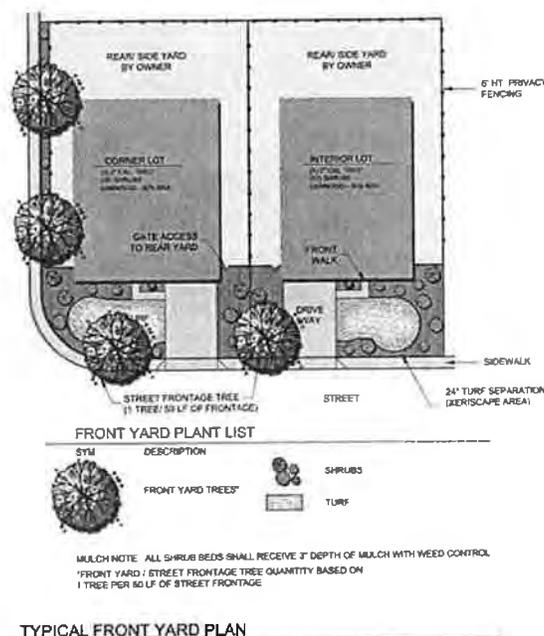
## *Lompca Ranch North Specific Plan*

### 2.2.3 Single Family Grading

- a) The design of residential neighborhoods shall be sensitive to the natural terrain, and structures shall be located in such a manner so as to minimize necessary grading and preserve natural site features and drainage ways. Any grading of the site terrain shall blend with the natural topography of the site.
- c) Graded slopes shall be rounded resulting in smooth, harmonious transitions between the man-made terrain and the natural terrain.
- d) All graded slopes shall be revegetated prior to building occupancy. If climatic conditions or other circumstances prevent planting at the time of occupancy a bond shall be provided for landscaping during the subsequent growing season or other arrangements made for revegetation, subject to the approval of the administrator. Drought tolerant plant species shall be utilized to help minimize erosion.

### 2.2.4 Single Family Landscaping

- a) Front and street side yard landscaping shall be installed by the builder prior to the occupancy of the individual home. See example to right.
- b) Front yard landscape packages shall provide for a minimum of 1 tree per 50 lineal feet of street frontage as well as a minimum of 12 shrubs. Trees shall be a minimum of 1 inch caliper for deciduous and 6 feet in height for evergreens. Shrubs shall be a minimum of 2 gallon.
- c) Xeriscape options for front yards shall be permitted. Xeriscape packages must include the required trees and shrubs outlined under the previous standard.



- c) Front yard landscaping is required for all homes and will be reviewed and approved with the tentative map establishing installation timing.
- d) Front yard landscape packages shall include an automatic irrigation systems.

## *Lompa Ranch North Specific Plan*

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### **2.2.5 Single Family Lighting**

- a) Lighting shall be designed to differentiate land use areas, emphasize community amenities, provide continuity along street corridors and ensure the safety of residents and users.
- b) Exterior lighting shall be shielded from projection offsite and designed to be compatible with the architectural and landscape design of the home.

### **2.2.6 Single Family Walls and Fencing**

- a) Walls may be used where necessary to provide privacy and security for residential neighborhoods when adjacent to arterial or collector roadways, or when adjoining non-residential uses.
- b) Walls within the community shall not become the dominant visual element and walls where needed shall blend into the overall landscape.
- c) Walls within Lompa Ranch North shall not exceed 6 feet in height. Acceptable materials include stone, stone veneer, split face/precision block, slump stone, and stuccoed CMU.
- d) Open fencing shall be used where the rear of individual lots are adjacent to open space. See examples below.
- e) Open fences at rear yards may include landscaping with trees and shrubs to screen views of private yards from adjacent properties, common areas, and/or roadways.
- f) Acceptable open fencing materials include wood or vinyl split-rail or wrought iron. See examples below.



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g) Single family residential lots may include solid privacy fences. Acceptable materials include wood and vinyl. Privacy fencing shall not exceed 6 feet in height.

h) Chain link fencing is prohibited within residential areas.

### **2.3 Multi-Family Residential Site Planning**

#### **2.3.1 Multi-Family Building Orientation**

a) Multi-family structures should be grouped in clusters of buildings rather than one large continuous structure in order to minimize the scale of the project.



b) Open space areas and courtyards shall be created within multi-family developments in order to break up building mass and provide recreational opportunities. See example to left. Open space/recreational areas shall be provided per the requirements of the Carson City Municipal Code.

c) To provide privacy between living spaces, there should be distance separations, buffering or changes in the angles of units. See examples below.



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d) All multi-family/attached single family developments shall incorporate pedestrian connections to adjoining residential, recreational and commercial uses as well as to the community trail system (where practical).

e) Multi-family/attached single family projects in excess of 35 units shall provide a secure children's play area. Additionally, such projects shall incorporate a minimum of 5 recreational facilities. These can be any 5 of the following:

- Swimming pool
- Tennis courts
- Horseshoe Pits
- Spa
- Fitness Center/Gym
- Game room
- Community room
- Picnic areas to include tables with barbecues
- Volleyball court
- Basketball court



f) Recreation facilities shall be conveniently and centrally located for the majority of the units (see examples to right).

g) Private open space, such as decks or patios, shall be contiguous to the units with a minimum width of six (6) feet.

h) Setbacks shall conform to the underlying base zoning. Deviations to setbacks within 10% of requirements may be granted by the Carson City Community Development Director or his/her designee.

### **2.3.2 Multi-Family Grading and Drainage**

a) The design of multi-family housing or attached single family housing shall be sensitive to the natural terrain, and structures shall be located in such a manner so as to minimize necessary grading and preserve natural site features and drainage ways. Any grading of the site terrain shall blend with the natural topography of the site.

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b) Site grading shall be designed to complement the architectural and landscape design character of the community, screening parking and service areas, reducing the perception of height and mass on larger buildings, and providing reasonable transitions between on-site uses.

c) Graded slopes shall be rounded resulting in smooth, harmonious transitions between the man-made terrain and the natural terrain.

d) All graded slopes shall be revegetated prior to building occupancy. If climatic conditions or other circumstances prevent planting at the time of occupancy a bond shall be provided for landscaping during the subsequent growing season or other arrangements made for revegetation, subject to the approval of the administrator. Drought tolerant plant species shall be utilized to help minimize erosion.

Appendix 1 contains the Conceptual Drainage Study and Stormwater Management Report for Lompa Ranch North.

### **2.3.3 Multi-Family Parking**

a) Parking areas shall not be located in excess of 400 feet from individual units within multi-family projects.

b) Pedestrian links between units (i.e. sidewalks) shall be provided between all units and parking areas.

c) Garages and covered parking shall be designed as an integral part of the architecture of the development and shall include the same colors, materials, etc. as the primary building(s). Carports should not have roof pitch of less than 3:12.

### **2.3.4 Multi-Family Landscaping**

a) Minimum landscape requirements shall be established by the Carson City Development Standards based on underlying zoning of the project site.

b) Drought tolerant and low water demand plantings shall be used to the extent possible. Xeriscaping may be substituted for turf areas and must contain trees and shrubs per the standards of the Carson City Development Standards.

c) Automatic irrigation systems shall be installed with all multi-family projects. All irrigation systems shall be placed underground.

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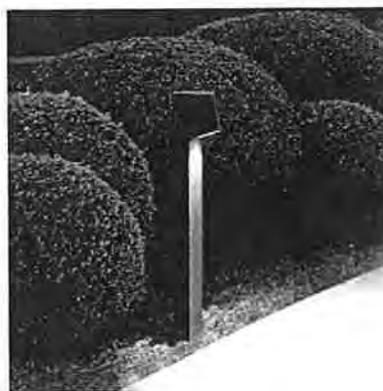
d) Large parking lots (in excess of 25 spaces) within multi-family shall provide a minimum 400 square foot landscape island containing at least one tree (two inch caliper) for every 10 spaces of required parking.

e) Landscaping along adjoining rights-of-way shall be a minimum width of 15 feet and provide a mix of trees, shrubs, and living groundcover. Trees shall be provided at a rate of 1 tree per 25 lineal feet of street frontage with a minimum of six shrubs per tree.

### **2.3.5 Multi-Family Lighting**

a) The height of lighting within multi-family projects shall be in scale with the setting and complement the architecture. Light fixtures over 10 feet shall include a cut-off shield to prevent the light source from being directly visible from off-site areas.

b) Light sources shall be kept as low to the ground as possible while ensuring safe and functional levels of illumination. For example, the use of bollard lighting rather than pole lighting is required in pedestrian areas. See examples below.



c) Illumination of landscape features or building facades for aesthetic purposes shall ensure that light does not project beyond the project boundary.

### **2.3.6 Multi-Family Walls and Fencing**

a) Multi-family projects that adjoin common areas, open space, or drainageways shall include open fencing adjacent to such features. Acceptable materials include wood or vinyl split rail or wrought iron and shall not exceed 6 feet in height.

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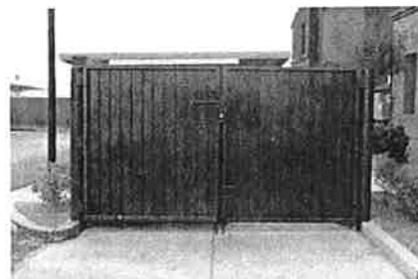
b) In areas where open fencing is employed, landscaping shall be used to screen views of private yards from adjacent properties and public streets.

c) Design of all walls and fences shall be consistent in terms of material, color and detail within each multi-family and attached single family residential project. Chain link fencing is prohibited.

d) In areas where multi-family development adjoins either single family residential or commercial use, a minimum 6-foot wall shall be provided for separation. Acceptable materials include stone, stone veneer, split face/precision block, slump stone, and stuccoed CMU.

### **2.3.7 Multi-Family Service and Utility Areas**

a) Enclosures shall be provided in order to screen all trash dumpsters and shall architecturally complement the primary building(s). Enclosures shall include solid gates and screen a minimum of 80% of the interior area. See example to right.



b) Trash enclosures shall include durable materials that complement the primary architecture and shall be screened with landscape on three sides and shall comply with the Carson City Development Standards. Chain link fencing is prohibited. See example to right.

c) The use of individual trash cans for multi-family projects in excess of 15 units shall be prohibited.

## **2.4 ARCHITECTURE STANDARDS AND GUIDELINES**

### **2.4.1 Architectural Theme**

It is the intent of the Lompa Ranch North SPA to promote a high quality development that incorporates an architectural style that reflect the historical ranching aspect of the area. Therefore, a ranch and craftsman architectural theme is adopted with the Lompa Ranch North SPA.

Variations on the ranch/craftsman style are encouraged in order to promote creative design, innovative features, and high quality elevations. Variations may include the introduction of a southwestern elements

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such as barrel tile roofs or Victorian elements such as wrap-around porches. These deviations will be complementary to the overall theme and can add visual interest within the community.

### **2.4.2 Residential Architectural Elements**

a) New structures within Lompa Ranch North shall, at a minimum, incorporate a minimum of two of the following elements:

- Gable roofs with deep overhangs.
- Exposed rafters, brackets, columns, etc.
- Decorative doors and windows
- A mixture of 2 (at a minimum) exterior elements including stucco, wood siding or shingles, brick, or stone
- Exterior porches or courtyards

b) Acceptable roofing materials include concrete or clay tile, slate, or architectural grade (30+ year) composition asphalt shingles. Metal roofing may be used as an architectural element in conjunction with the previously listed materials.

c) Flat roofs are prohibited in residential areas.

d) Metal buildings, other than accessory sheds not to exceed 250 square feet, are prohibited.

e) Modular homes are not permitted within the Lompa Ranch North SPA.

f) Building articulation shall include a minimum of 4 separate roof planes incorporated on front/primary elevations. Front/primary elevations shall contain a minimum of 2 wall planes offset by a minimum of 3 feet.

g) Building colors shall utilize an earth tone pallet such as browns, tans, whites, greens, deep reds and oranges, pale yellows, etc. The use of bright or vibrant colors is prohibited with the exception of highlighting architectural elements.

### **2.4.3 Commercial Architecture**

Commercial areas within the Lompa Ranch North SPA are envisioned to complement residential uses in function and form. Smaller retail uses will incorporate the ranch theme while larger commercial centers can

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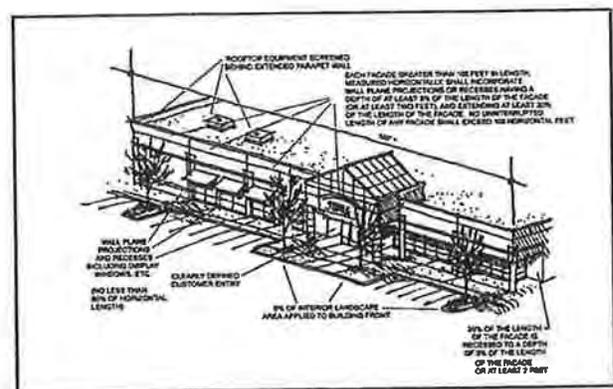
take a more traditional center approach with the inclusion of the ranch theme elements such as rock, stone, brick, etc.

### 2.4.4 Commercial and School Building Mass and Form

- a) Individual buildings, forms, and components within commercial centers shall be designed as a whole to ensure unity to the overall design of the center.
- b) Facades shall include articulation to ensure that the large scale of commercial buildings is softened and appropriate for the area at a human scale. Articulation shall be provided on all sides of any commercial building that is adjacent to a public right-of-way or main commercial parking area.
- c) Visual interest shall be created in building facades through the incorporation of wall plane projections or recesses that are a minimum of two (2) feet in depth.
- d) Wall plane projection or recess may be substituted with a combination of vertical or horizontal elements such as trellises, awnings, shed roofs, or columns. Any such element must have a minimum of 2 feet change in vertical or horizontal projection or recess. The proposed alternative design solution shall meet the intent of this standard.
- e) In commercial areas adjoining residential uses, building heights shall relate to the adjacent development to enhance view corridors and ensure compatibility.



- f) Multi-tenant commercial spaces shall use color change, texture change, material change, or relief change to avoid large expanses of blank walls and box-like structures (see example to the left).



- g) Buildings in excess of 10,000 square feet should vary building and roof forms to give the appearance of smaller forms. See example to right.

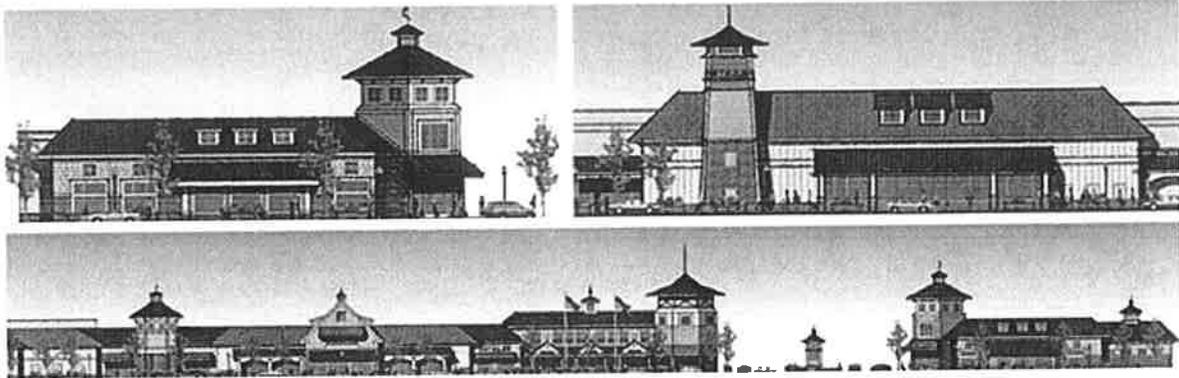
- h) Commercial centers that include multiple buildings shall incorporate a consistent architectural theme. Pad site buildings with conflicting architectural style are prohibited.

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### 2.4.5 Commercial Roof Form

a) Rooflines shall include variations to add visual interest and reduce the scale of large buildings. Refer to example below.



b) Roof profile elements visible at ground level shall incorporate horizontal and vertical offsets as depicted in the example above.

c) All rooftop equipment shall be screened from public view at street level and the parking lot.

d) All roof mounted mechanical equipment must be screened from public view at the street level and the parking lot.

### 2.4.6 Commercial Materials and Colors

a) The colors and materials of new buildings shall be compatible with those of adjoining buildings/uses.

b) Exterior building materials shall be of high quality. These may include, but are not limited to:

- brick
- stained, painted, or weathered wood/cementitious products such as heavy timbers or stock lumber
- stone veneer/cultured stone
- integral color split face block or rough cut wood
- metal such as corrugated, batted or standing panelized systems; performed painted or stained metal shapes
- fabric or metal awnings
- dimensioned asphalt or simulated wood shingles
- tilt-up concrete with wood texture, or other similar treatment

## *Lompa Ranch North Specific Plan*

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- c) Accent colors (including vibrant colors) may be used to emphasize special façade elements in order to attract attention at focal points.
- d) Facades shall include the use of earth tone palette colors in broad expanses. The use of high intensity colors, very dark colors or fluorescent colors are discouraged unless they are used to accentuate architectural forms or features.
- e) Building trim and accent may feature a brighter, more intense palette of colors used to direct focus toward important building elements.
- f) The following exterior building materials are not allowed as predominant features on building facades:
- integral color smooth-faced or painted concrete masonry
  - tilt-up concrete panels without textures or finishes
  - pre-fabricated steel panels
  - unprotected wood
  - dimensional asphalt shingles (architectural grade asphalt shingles may be used on roofs)

### **2.4.7 Single Family Residential Architecture**

Architectural standards for residential areas promote an upscale development concept that reflects a western and ranching heritage while providing for modern amenities and features. Although neighborhoods may include distinctive architectural designs, common elements serve to create a cohesive community that creates a sense of place.

### **2.4.8 Single Family Building Mass and Form**

- a) Home facades shall incorporate the architectural style and materials outlined in section 2.4.1.
- b) A minimum of 3 distinctive floor plans shall be used within each subdivision. Subdivisions with less than 20 lots are exempt from this requirement. Phasing of 20 units or less does not circumvent this standard.
- c) Architectural details and stylings used on the front of the home shall be carried over to all elevations.
- d) A minimum of 3 distinctive front elevations shall be included for each model within subdivisions. Matching elevations shall not be allowed to repeat next to each other.
- e) Varied setbacks, floorplans, and elevation packages shall be used within subdivisions to create a visually interesting streetscape.

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### **2.4.9 Single Family Roof Form**

a) Roof planes are required to vary through the use of architectural features such as dormers, gables, hipped roofs and variations in pitch appropriate to the homes chosen architectural style.

### **2.4.10 Single Family Materials and Colors**

a) As mandated within other provisions of this handbook, single family homes shall incorporate an[~~d~~] earth tone color palette. The use of bright and vibrant colors is prohibited with the exception of enhancing key architectural elements and features.

b) Conflicting architectural styles within a single subdivision shall be prohibited.

c) Building materials and elements shall be consistent with those outlined under previous standards.

### **2.4.11 Single Family Garages**

a) Garages shall include a minimum of 5 feet offset from inhabitable areas. Front elevations should provide focus on living areas and not garages.

b) Home plans shall incorporate one of the garage designs listed below and each subdivision shall incorporate at least two of these techniques to reduce the emphasis of the garage on the street (see examples to left).



- Recessing garage back a minimum of five (5) feet in relationship to the front of the house.



- Incorporation of a side-load garage that eliminates the continuous view of garage doors from the street.

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c) Garage forward plans shall be permitted when offsets (5 feet minimum) exist for the garage in order to provide visual distinction between the garage and residence. See examples below.



### **2.4.12 Multi-Family Architecture**

Multi-family standards are intended to result in a visually pleasing product that does not reflect a “big box” appearance and incorporates elements to break up building masses, provide articulation at a human scale, and complement single family uses within the Lompa Ranch North SPA.

### **2.4.13 Multi-Family Building Mass and Form**

a) Facades of multi-family buildings shall be articulated using at least one of the architectural elements previously listed in the Architectural Theme standards.



b) Buildings shall incorporate facade articulation with no long expanses of flat wall planes, vertically or horizontally, exceeding 50 feet (see example to left).

c) Architectural elements (i.e., exterior materials, fenestration, window trims, cornices, arches, etc) shall be utilized on all sides of the building.

d) Architectural elements such as towers, piers and varied rooflines may be used to break up the horizontal massing and provide visual interest.

## *Lompa Ranch North Specific Plan*

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e) Single family attached products such as townhomes that include garages and/or carport are more than 50 percent of the total width of the unit shall incorporate architectural features such as shutters, garage door window trim and minimum offsets of 2 feet, to reduce the visual impact of garages and carports on the front façade.

f) Garages and carports not attached to the main residential building shall match the main structure in building design, materials, roof pitch and architectural character.

### **2.4.14 Multi-Family Roof Form**

a) Roofs planes shall include variation which can be accomplished with the inclusion of elements such as dormers, gables, hipped roofs and variations in pitch. (See example to right).

b) Roof materials shall include concrete tile, clay tile, slate, or architectural grade (30+ year) composition shingles. Metal roofing is prohibited as a primary material but may be used as an accent feature when combined with the allowed materials.



### **2.4.15 Multi-Family Materials and Colors**

a) As mandated within other provisions of this handbook, multi-family uses shall incorporate an earth tone color palette. The use of bright and vibrant colors is prohibited with the exception of enhancing key architectural elements and features.

b) Varied elevations may be used within a single project. However, conflicting architectural styles within a single multi-family development shall be prohibited.

c) Building materials and elements shall be consistent with those outlined under previous standards.

## *Lompa Ranch North Specific Plan*

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### **3 Public Services and Infrastructure**

#### **3.1 Parks, Open Space, and Trails**

The Lompa Ranch North SPA envisions a community that is linked together through a system of trails, open space, and parks. The intent of these standards is to implement the provisions of the *Unified Pathways Master Plan*; *Parks and Recreation Master Plan*; and *Open Space Master Plan* adopted by Carson City.

##### **3.1.1 General Standards**

- a) A Landscape Maintenance District (LMD) shall be formed by the Master Developer to provide for the maintenance and upkeep of open space and common area landscaping, trails, and park/recreation facilities and amenities. The LMD shall be in place prior to the issuance of the first certificate of occupancy.
- b) A private homeowner's association (HOA) shall provide for the maintenance of all private landscape features and non-public recreation facilities (i.e. private parks within gated communities, etc.).
- c) Design of open space areas shall follow the standards and policies of the Carson City Open Space Plan, adopted by Carson City in June 2000.
- d) Pathways and trails, other than those described in Section 3.1.2 (following) shall conform to the standards and policies of the Unified Pathways Master Plan adopted by Carson City on April 6, 2006 (as revised March 15, 2007).
- e) Any new park facilities within the Lompa Ranch North SPA shall conform to the *Parks and Recreation Master Plan* as adopted by Carson City on April 6, 2006.
- f) Sidewalk connections to the Lompa Ranch North SPA trail/pathway system shall be provided in order to provide convenient and logical access to the trail system, parks/recreation areas, and open space.

##### **3.1.2 Trails and Pathways**

- a) Trails, pathways, and sidewalks not specifically called out within this section shall conform to the standards outlined in Section 6 of the Carson City Unified Pathways Master Plan (Pathway Types).

## *Lompa Ranch North Specific Plan*

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b) As individual subdivisions and/or projects are submitted for review, the applicant/developer shall be required to demonstrate that trail connectivity between parks, trails, open space, and the high school is being provided. This shall be to the satisfaction of the Community Development and Parks, Recreation and Open Space Departments.

c) The trails and pathway system shall be constructed of concrete with a portion of it constructed using stabilized decomposed granite.

### **3.1.3 West Side Facilities**

The following standards apply to properties within Lompa Ranch North that lie west of Interstate 580:

a) Prior to the issuance of the certificate of occupancy for the 750<sup>th</sup> residential unit west of Interstate 580, the Master Developer shall construct and dedicate to the City a minimum 10-acre neighborhood park site on the west side of the freeway as shown on the adopted land use map. This shall be coordinated through and agreed upon by the Carson City Parks, Recreation and Open Space Department.

b) For the park area west of the freeway, a meandering path (consistent with Unified Pathways Master Plan Standards) shall be constructed along a north/south route, connection 5<sup>th</sup> Street to the northern boundary of the SPA area. This pathway may follow a proposed drainage channel(s) where feasible and shall meet the guidelines for an “off-street/multi-use trail.” A multi-use path shall connect to the SPA’s park/recreation facilities in this project.

c) A fitness course may be substituted for park benches along the north/south trail. See examples below:



## *Lompa Ranch North Specific Plan*

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- d) An east-west off-street multi-use path shall be constructed on the freeway's west side of the Lompa Ranch North SPA along 5<sup>th</sup> Street and connected to the east side development. Timing of this trail along with final alignment shall be in conjunction with new development and coordinated through the Parks, Recreation, and Open Space Department.
- e) An east-west multi-use path shall connect with the north/south trail, as depicted in the Unified Pathways Master Plan and described in c) and d) above.
- f) For park area west of the freeway, trails, pathways, and sidewalks shall provide off-street connectivity from 5<sup>th</sup> Street to Carson High School and Robinson Street.

### **3.1.4 East Side Facilities**

The following standards apply to properties within Lompa Ranch North that lie east of Interstate 580:

- a) The Master Developer shall work with the Carson City Parks, Recreation and Open Space Department and provide for a 3-acre minimum neighborhood park site on the east side of Interstate 580 as depicted on the land use plan. The park site shall be constructed and dedicated to the City prior to the issuance of the certificate of occupancy for the 250<sup>th</sup> residential unit located on the east side of I-580. This shall be coordinated through and agreed upon by the Carson City Parks, Recreation and Open Space Department.
- b) For park area east of the freeway, the north/south trail being constructed by the City shall, at a minimum, include landscaping and pedestrian amenities. Trees (either evergreen or deciduous) shall be planted at a rate of 1 tree per 50 lineal feet with a minimum of 4 shrubs per tree. Park benches shall be located along the trails at a rate of 1 bench per 500 lineal feet of trail along with mileage parkers at one-mile intervals.
- c) The City property (approximately .13 acres) adjacent to the 3-acre minimum neighborhood park site shall be included in the park's design and constructed with the other park amenities.

### **3.1.5 Open Space**

- a) All identified wetland areas within the Lompa Ranch North SPA shall be preserved as dedicated open space.
- b) Drainage channels shall be incorporated into open space areas and include trails/paths as described in section 3.1.2.
- c) Open space areas shall be maintained through a LMD and/or by a private homeowners association(s).
- d) Landscape medians, parkways, corridors, etc. included within common or open space areas shall be maintained by a private homeowners association(s) and/or through the LMD.

## *Lompa Ranch North Specific Plan*

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e) Open space areas that remain private shall not include public access (if privately owned) and shall be maintained by a private homeowners association and not through an LMD.

### **3.1.6 Parks – General Standards**

a) Parks within the Lompa Ranch North SPA shall be maintained through implementation of a Landscape Maintenance District. Any private parks (without general public access) shall be maintained by a private homeowners association(s).

b) Opportunities for joint use of park and open space facilities (i.e. stormwater detention basins) shall be a priority within the Lompa Ranch North SPA. This includes the incorporation of one or more dog park facilities.

c) All park facilities and open space areas shall have access to the overall trails/pathways system and sidewalk network within the SPA area.

d) Smaller public parks are discouraged within the SPA in favor of larger community parks. Private small parks or pocket parks may be permitted within individual subdivisions but shall be maintained by a private HOA, not the LMD.

e) Park facilities within Lompa Ranch North will be coordinated with the Carson City Parks, Recreation, and Open Space Department for review and approval as individual projects within the Lompa Ranch North SPA are brought forward.

f) Park design shall be consistent with Carson City Parks, Recreation, and Open Space Department guidelines and design standards, including water conservation design elements.

g) Playgrounds within public parks shall be designed to be universally accessible per design standards adopted by the Carson City Parks, Recreation and Open Space Department.

h) As part of the overall Lompa Ranch North park plan , provisions for a neighborhood “Splash Pad” and/or water play feature shall be included to the approval of the Carson City Parks, Recreation and Open Space Department.

i) New parks shall be designed to allow for automobile access, including City maintenance vehicles and emergency services.

j) The Master Developer, at its cost, will dedicate land and improvements for two neighborhood parks, detention basin parks and trails/pathways within the Project; as a result, the residential construction tax described in Carson City Municipal Code 15.06 – Residential Construction Tax et. seq. will not be collected by Carson City at the time building permits are issued for residential dwellings in the Project.

## *Lompa Ranch North Specific Plan*

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### **3.2 Sanitary Sewer**

a) All new development within the Lompa Ranch North SPA shall be required to connect to municipal sanitary sewer service.

b) Prior to submittal for the first construction permit, a complete description of all phasing must be submitted. This phasing description must indicate the geographical boundaries of each phase, a description of the proposed development for each phase, and the estimated sewer demand imposed by each phase. A final sewer report demonstrating capacity to serve the development shall be submitted with each individual project within the SPA boundary. Any existing sewer capacity provided to the development shall be on a "first come, first served" basis. There may be additional future infrastructure or costs associated with serving the development depending on build out time frames.

c) The site has no known constraints which would impact the ability to be served by a gravity fed extension of the public sewer. Existing sewer manholes in the SPA have vents. Any sewer vents located within or near the boundary of a phase must be evaluated as part of the sewer analysis for that phase to prevent odor issues.

d) An overall water and sewer technical report for each phase shall be submitted to and approved by Carson City prior to submittal for the first construction permit of each phase, to ensure that each project phase is properly sized and designed. The Lompa Ranch North Water and Sewer Demand Report is included as Appendix 5 of this document. Water and sewer technical reports shall include analysis of downstream/offsite capacities. Technical reports shall cite sources of any rate of demand used.

### **3.3 Water Service**

a) All new development within the Lompa Ranch North SPA shall be required to connect to municipal water service.

b) Prior to submittal for the first construction permit, a complete description of all phasing must be submitted. This phasing description must indicate the geographical boundaries of each phase, a description of the proposed development for each phase, and the estimated water demand imposed by each phase. All new development shall be required to pay applicable water connection fees and demonstrate that adequate water supply is available to serve the project and dedicated for use. Any existing water capacity provided to the development shall be on a "first come, first served" basis. There may be additional future infrastructure or costs associated with serving the development depending on building out time frames.

## *Lompa Ranch North Specific Plan*

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c) Separate irrigation meters will be employed in accordance with the guidelines present at the time of connection.

d) An overall water and sewer technical report for each phase shall be submitted to and approved by Carson City prior to submittal for the first construction permit for each phase, to ensure that each project phase is properly sized and designed. The Lompa Ranch North Water and Sewer Demands Study is included as Appendix 4 of this document. Water and sewer technical reports shall include analysis of downstream/offsite capacities. Technical reports shall cite sources of any rate of demand used.

### **3.4 Storm Water Management**

The Lompa Ranch area benefits from extensive review and policy implementation that has been performed by Carson City as part of their long-range planning and infrastructure management processes. It is a goal of this Specific Plan to adhere to and complement this planning work. Policy *LR-SPA 3.1 Floodplain and Drainage*, from the Carson City Master Plan is therefore included in this document as a means of establishing long-range storm water management planning for Lompa Ranch North. This policy states:

- *The existing floodplain shall be identified based on FEMA mapping with post-freeway drainage improvements for development of the final SPA. In order to develop the property, drainage improvements will be required to mitigate the 100-year floodplain on the property. This may also require amending the FEMA mapping through a letter map amendment process. Once the new floodplain is determined, designated land use intensities shall be developed outside this floodplain area.*
- *An overall storm water management plan shall be developed with the final SPA to ensure adequate drainage facilities to serve the entire SPA area.*
- *A detailed wetlands delineation shall be provided with the final SPA identifying any areas that meet the Federal 404 definition of wetlands. Following wetland identification, designated land use intensities shall be developed outside the wetlands.*

Per the above policy, a wetlands delineation is currently planned for Spring 2016. The completion deadline for this task is June 30, 2016. No development shall occur within the Lompa Ranch North SPA until the wetlands delineation has been completed.

Additional resources for guiding storm water management (and other utilities) are the Conceptual Drainage Study and Stormwater Management Report for Lompa Ranch North (included in Appendix 1). In particular, this report states the following:

## *Lompa Ranch North Specific Plan*

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*Based on the floodplain analysis, it is recommended that a LOMR be pursued based on the existing topography. The LOMR would remove much of the Lompa Ranch from the burden of delineated floodway both upstream and downstream of the Highway 395. It would establish discharges which could be used for the design of proposed drainage improvements including the design of channels along 5th Street, Saliman Drive, Robinson Road and north of Carson High School. In addition the model could be used for future site development planning and design and would be considered as the effective model for future modeling efforts, specifically those that would be part of a CLOMR for new development.*

The existing *Master Plan Policy LR-SPA 3.1* and the *Conceptual Drainage Study and Stormwater Management Report* therefore form part of the standards for the Lompa Ranch North SPA.

The LOMR must be approved by Carson City and submitted to the Federal Emergency Management Agency (FEMA) prior to submittal for the first construction permit. Prior to any construction permit being issued, the development must have a conditional letter of map revision (CLOMR) approved by Carson City and FEMA. If the property is divided and sold to different owners, each separate development in the floodplain must have a CLOMR approved by FEMA prior to any construction permit being issued. The developer of any parcel in the flood plain, prior to any construction permit being issued, must provide funds to the City to process a Letter of Map Revision (LOMR) after the improvements are complete.

Additional standards include:

- a) The primary channels provided along Robinson Street, Saliman Road, Interstate 580, and 5<sup>th</sup> Street shall be designed to contain the existing off-site watershed discharges as well as the existing discharges from the SPA area.
- b) Onsite retention and detention facilities are required within the development of multi-family and commercial parcels.
- c) Existing drainage patterns shall be maintained.
- d) A comprehensive drainage impact analysis for the overall Lompa Ranch North SPA shall be reviewed and approved with the first tentative map and/or permit request. The analysis shall provide estimates of project impacts at buildout along with required upgrades, improvements, etc. as well as with triggers for when these improvements are required.
- e) Updates to the master drainage analysis shall be provided for any project proposing multi-family or commercial uses.
- f) Prior to submittal for the first construction permit, a complete description of all phasing must be submitted. This phasing description must indicate the geographical boundaries of each phase, a description of the proposed development for each phase, and the estimated stormwater runoff imposed by each phase.

## *Lompa Ranch North Specific Plan*

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g) The development shall implement Low Impact Development (LID) Standards to include the *Truckee Meadows Low Impact Development Standards Handbook*, current edition, or current LID standards adopted by Carson City.

Appendix 1 contains the Conceptual Drainage Study and Stormwater Management Report for Lompa Ranch North.

### **3.5 Utility Services**

a) All utility services within the Lompa Ranch North SPA shall be undergrounded. Overhead power lines shall be prohibited.

b) Plans for electrical, natural gas, telephone, and cable service shall be reviewed and approved by the applicable purveyor (i.e. NV Energy, Southwest Gas, AT&T, etc) prior to the issuance of a building permit.

### **3.6 Roadways**

A traffic impact study has been completed for Lompa Ranch North (included in Appendix 2). This study includes recommended roadway improvements that mitigate the projected impacts. These roadway improvements are included below under their relevant heading.

a) All roadways within the Lompa Ranch North SPA shall comply with the standards and requirements included within the Carson City Municipal Code. This includes the provision of sidewalks where appropriate. All sidewalks in the Lompa Ranch North SPA shall be designed to provide connectivity to multi-use paths, parks, and open space.

b) Prior to submittal for the first construction permit, a complete description of all phasing must be submitted. This phasing description must indicate the geographical boundaries of each phase, a description of the proposed development for each phase, and the estimated traffic impact imposed by each phase.

c) An easement agreement or right of way must be in place prior to approval of any construction permits which are part of a phase which requires roadway improvements which will need additional right-of-way to be completed.

d) Each phase will require a traffic impact study to be completed and submitted for that phase prior to approval of any construction permits in that phase. The traffic study for Phase 1 will require coordination with the School District to mitigate impacts along Robinson Street.

## *Lompa Ranch North Specific Plan*

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### **3.6.1 Saliman Road**

a) Consistent with the conclusions/recommendations outlined in the traffic impact analysis (Appendix 2), add northbound dual lefts at E. William/Saliman intersection, and add northbound right turn lane at 5<sup>th</sup> Street. Include drainage improvements. Channel section to include open space for multi-use path.

### **3.6.2 Robinson Street**

a) Robinson Street shall be improved to collector standards established by the Carson City Municipal Code. Robinson Street should be extended to intersect with a new north-south “spine road” within the project area and as shown in Exhibit 2. Robinson Street can be constructed with one through lane in each direction. Include drainage improvements. Channel section to include open space for multi-use path.

b) Consistent with the conclusions/recommendations outlined in the traffic impact analysis (Appendix 2), add westbound right turn lane at Saliman Road, and widen Robinson Street to accept dual left turn lanes from Saliman Road.

### **3.6.3 Fifth Street**

a) Fifth Street shall include new drainage improvements to address site development conditions to the satisfaction of the Carson City Engineering and Public Works Departments.

b) Consistent with the conclusions/recommendations outlined in the traffic impact analysis (Appendix 2), add an intersection where the new Spine Road will meet 5<sup>th</sup> Street with an eastbound left turn lane, westbound right turn lane, southbound exclusive left and right turn lanes, and signalization (signalization only if warranted). Widen 5<sup>th</sup> Street at this intersection to accommodate turn lanes. Also, add a westbound right turn lane at Airport Road. Add a westbound right turn lane at Saliman Road, which may already be warranted without the project.

### **3.6.4 Airport Road**

a) Right-turn lanes will be added along Airport Road based on the recommendations included in the reviewed and approved traffic impact analysis. The Carson City Engineering Department shall determine compliance with this standard.

## *Lompa Ranch North Specific Plan*

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b) US 50/Airport – Consistent with the conclusions/recommendations outlined in the traffic impact analysis (Appendix 2), Provide northbound dual left turn lanes.

### **3.6.5 North/South Collector (Spine Road)**

a) A collector roadway (Spine Road) shall be constructed from 5<sup>th</sup> Street extending north to US Highway 50. This road shall be designed as a limited access collector (per City standard) and include additional space for a multi-use path and landscaping, separated from vehicular traffic. The Spine Road can be constructed with one through lane in each direction. For Phase 1, the spine road may need to extend north of the Robinson Street extension.

b) US 50/Gold Dust Casino – Consistent with the conclusions/recommendations outlined in the traffic impact analysis (Appendix 2), add a northbound right turn lane and widen the south leg to accept a new left turn lane from westbound E. William Street. The south leg will continue to connect with the proposed north-south spine road.

c) Consistent with the conclusions/recommendations outlined in the traffic impact analysis (Appendix 2), a new three- to four-leg intersection at Robinson Street/Spine Road should be constructed to provide a north leg at this intersection. This north leg is proposed to continue to its connection with the south leg of the William Street/Casino intersection. This will require widening the existing south leg of this intersection to a standard two to three lane cross section.

d) The preferred northern intersection of the spine road is at the existing signalized intersection on William Street serving access to the Gold Dust Casino. The south leg of this intersection should be widened to accommodate a potential additional westbound to southbound left turn lane at this intersection. The spine road is anticipated to carry approximately 12,000 vehicles per day at Build Out. This volume approaches the threshold for a four-lane roadway. Further analysis and continuing discussions with the property owners south of William Road will be required.

### **3.6.6 U.S. 50/E. William Street**

a) Consistent with the conclusions/recommendations outlined in the traffic impact analysis (Appendix 2), add westbound dual left turn lanes at the new Spine Road.

## **3.7 Traffic Impacts**

a) A generic traffic impact analysis for the overall Lompa Ranch North SPA has been reviewed and accepted with this Specific Plan. This analysis provides estimates of the project impacts at buildout along with required upgrades, improvements, etc. Additional traffic impact studies will be required for each phase of development prior to approval of any construction permits which are part of that phase.

## *Lompa Ranch North Specific Plan*

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b) Updates to the master traffic impact analysis shall be provided for any project generating more than 80 peak hour trips to determine if roadway upgrades/improvements are triggered. Such updates shall also address long-term cumulative impacts from the site as a whole so that appropriate refinements may be made to any mitigation measures.

Appendix 2 contains the Traffic Impact Study for Lompa Ranch North.

### **3.8 Fire Protection**

The Carson City Fire Department currently services the Lompa Ranch North area from Fire Station # 1 located on Stewart Street. As development occurs within the Specific Plan boundary and surrounding area(s), an additional facility and/or equipment may be needed in order to ensure adequate levels of service for new development. As such, the following standards are included within this SPA:

a) As individual projects and subdivisions are submitted, the Carson City Fire Department shall review development plans in context with existing service limitations to ensure adequate levels of service are maintained.

b) The Carson City Fire Department has the ability to condition projects to ensure adequate levels of service are maintained for Lompa Ranch North. Such conditions include requiring fire sprinklers for new homes if response times are below accepted levels, inclusion of fire resistant building materials, requiring upgrades to existing equipment or purchase of new equipment, etc.

c) In order to assist in funding new fire facilities within the area (i.e. fire station), individual builders within Lompa Ranch North shall work with the Carson City Fire Department to participate in a program implemented by Carson City which provides funds (to be paid at time of building permit) that are dedicated to fire improvements. In the absence of a current City-wide impact fee program, fees shall be as follows for Lompa Ranch North: a minimum of \$1,000.00 per dwelling unit in single family or multi-family residential development. Also, a minimum fee of \$1,000.00 per 1,000 square feet of business, industrial, commercial or lodging facilities. The Board of Supervisors reserves the right to use this fee to offset the cost to the City of other facilities that is incurred as a result of the impacts of the proposed development.

d) In lieu of and as an alternative to the fire fee, it may be possible for individual builders within Lompa Ranch North to work with the Carson City Fire Department to determine if other mitigation measures may be available. Such measures could include, but are not limited to, providing improvements such as paving, utility extensions, etc. along with construction of new facilities, etc. These improvements shall be credited

## *Lompa Ranch North Specific Plan*

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back to any applicable fire fee. This shall be reviewed on a case by case basis dependent on current Fire Department needs and demands.

e) New development within Lompa Ranch North shall participate in any applicable impact fee program that is enacted by Carson City. This SPA shall not exempt development from any impact fee program adopted post-approval of this SPA.

### **3.9 Police Protection**

The Carson City Sheriff's Department currently operates patrols in the area. The following standards related to police protection are provided for the Lompa Ranch North SPA:

- a) All new projects submitted for review by Carson City shall be routed through the Sheriff's Department for review and comment.
- b) The Sheriff's Department shall reserve to the right to condition projects in order to implement and or incorporate crime prevention measures, etc.
- c) New commercial projects within Lompa Ranch North shall be required to submit a lighting and security plan to the Sheriff's Department for review and approval.

### **3.10 Schools**

The following standards have been developed in conjunction with the Carson City School District:

- a) A new elementary school site (minimum of 10 acres) shall be reserved within Lompa Ranch North to meet future enrollments needs.
- b) The elementary school site shall be made available prior to the issuance of the 700<sup>th</sup> residential certificate of occupancy.
- c) Generally, the 10-acre elementary school site should be located on the west side of Interstate 580, central to the project site near the current terminus of Robinson Street.
- c) All residential development within the Lompa Ranch North SPA shall be required to provide estimated

## *Lompa Ranch North Specific Plan*

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student enrollment projections to the Carson City School District for review.

d) The Master Developer of the Lompa Ranch North SPA shall work with the School District to participate in the current (2016) School Facilities Master Plan Update process to ensure that needs identified within the SPA boundary are addressed.

**Engineering Division  
Planning Commission Report  
File Number TSM-17-184**

**TO:** Hope Sullivan - Planning Department

**FROM:** Stephen Pottéy – Development Engineering Department

**DATE:** November 13, 2017

**MEETING DATE:** November 29, 2017

**SUBJECT TITLE:**

Action to consider an application for Tentative Subdivision Map for 209 Sing Family Units for Blackstone Ranch Phase 2, apn 010-041-71.

**RECOMMENDATION:**

The Engineering Division has no preference or objection to the tentative map request.

**CONDITIONS OF APPROVAL:**

The Engineering Division has reviewed the application within our areas of purview relative to adopted standards and practices and to the provisions of CCMC 17.07.005. The Engineering Division offers the following condition of approval:

- The flood channels and associated access must be on separate parcels to be dedicated to the City. Maintenance of these lands will be funded through a maintenance district or similar instrument, to be established prior to Final Map approval.
- The dimensions of the flood channels will be per FEMA approval. These channels must be constructed prior to development of the subdivision.
- The site improvement grading plans must include contours showing the base flood elevation plus two (2) feet, of adjacent channels to confirm that building pads are at least 2 feet above the channel base flood elevations.
- Low impact design (LID) features must be included as part of this subdivision. LID features will be designed to the Truckee Meadows Low Impact Development Manual standards and must be privately owned and maintained by an LMD or similar consistent with note 6 of the general notes.
- The "Fifth Street Trail" must connect to the existing I-580 underpass trail. The connection over the floodway must have a clear span with adequate freeboard.
- Sidewalk, curb, and gutter must be installed in front of apns 010-041-34 and 010-041-35 and drainage for these parcels must be tied into the flood channel.
- All street and sidewalk improvements on local streets, on the spine road, and on Robinson Street, will be installed as full street improvements, consistent with note 30 of the general notes.
- All roundabout geometry must meet AASHTO geometric design standards.
- The following street names may not be used: Appaloosa, Emily, and Sophia.
- Looped streets must maintain the same name throughout the loop.

TSM-17-184 Blackstone Lompa Ranch Phase 2 apn 010-041-71

- Aiden Ave and Aiden Ct must have the same suffix.
- All streets will have a minimum 4 inch thick asphalt section.
- Per the geotechnical report areas with clay subgrade will have a minimum of 8 inches of base section. Either a map of these areas must be provided by a geotechnical engineer to determine which streets require this base thickness, or all streets must meet this minimum base thickness requirement.
- The 12 inch water main in the spine road must connect all the way from Robinson Street to 5<sup>th</sup> Street per the Lompa Ranch North phasing plan.
- Cast in place manholes are not permitted in this subdivision.

## **FINDINGS:**

The following Tentative Map Findings by the Engineering Division are based on approval of the above conditions of approval:

1. *Environmental and health laws and regulations concerning water and air pollution, the disposal of solid waste, facilities to supply water, community or public sewage disposal and, where applicable, individual systems for sewage disposal.*  
The existing infrastructure has been found sufficient to supply the water and sanitary sewer needs of the subdivision, and the City has the capacity to meet the water and sewer demand.
2. *The availability of water which meets applicable health standards and is sufficient in quantity for the reasonably foreseeable needs of the subdivision.*  
The City has sufficient capacity to meet the water demand of the subdivision.
3. *The availability and accessibility of utilities.*  
Water and sanitary sewer utilities are available and accessible.
4. *The availability and accessibility of public services such as schools, police protection, transportation, recreation and parks.*  
The road network necessary for the subdivision is available and accessible and will be improved as part of this project.
5. *Access to public lands. Any proposed subdivision that is adjacent to public lands shall incorporate public access to those lands or provide an acceptable alternative.*  
Development engineering has no comment on this finding.
6. *Conformity with the zoning ordinance and land use element of the city's master plan.*  
Development engineering has no comment on this finding.
7. *General conformity with the city's master plan for streets and highways.*  
The development is in conformance with the city's master plan for streets and highways.
8. *The effect of the proposed subdivision on existing public streets and the need for new streets or highways to serve the subdivision.*

TSM-17-184 Blackstone Lompa Ranch Phase 2 apn 010-041-71

The existing infrastructure is sufficient to meet the additional demand imposed by the subdivision with the improvements proposed.

9. *The physical characteristics of the land such as flood plains, earthquake faults, slope and soil.*

The site is currently in the FEMA flood map revision process. This process will allow for new flood channels to be installed prior to development of this subdivision which will eliminate the flood plain in the areas to be developed.

10. *The recommendations and comments of those entities reviewing the subdivision request pursuant to NRS 278.330 thru 278.348, inclusive.*

Development engineering has no comment on this finding.

11. *The availability and accessibility of fire protection including, but not limited to, the availability and accessibility of water and services for the prevention and containment of fires including fires in wild lands.*

The subdivision has sufficient secondary access, and sufficient fire water flows.

12. *Recreation and trail easements.*

Development engineering has no comment on this finding.

These comments are based on the tentative map plans and reports submitted. All applicable code requirements will apply whether mentioned in this letter or not.

## Hope Sullivan

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**From:** Dave Ruben  
**Sent:** Thursday, November 09, 2017 4:41 PM  
**To:** Lena Reseck; Hope Sullivan; Kathe Green  
**Subject:** TSM 17-184 Lompa Ranch Phase 2

Comments for TSM 17-184:

1. Project must comply with the 2012 IFC and Northern NV Fire Code Amendments as adopted by Carson City.

***Dave Ruben***  
Fire Marshal  
Carson City Fire Department  
777 S. Stewart Street  
Carson City, NV 89701

Direct 775-283-7153  
Main 775-887-2210  
FAX 775-887-2209

PROS Department Comments  
Tentative Subdivision Map - Blackstone Ranch, Phase 2  
TSM-17-184  
November 15, 2017

1. Sheet C1: General Notes 4, 6, 27, and 35 reference a landscape maintenance district. Consistent with the development agreement, these amenities are to be maintained by a home owner's association (HOA) or a landscape maintenance association. A landscape maintenance district will only be formed if the HOA (or similar entity) ceases to exist or remain functional. These notes, and any other related notes on the drawings must be modified to be consistent with the development agreement.
2. Sheet C1: Regarding note 10, modify plans to recognize the irrigation system will only utilize a Reduced Pressure Principle Backflow Preventer. It will not utilize a Pressure Vacuum Breaker.
3. Sheet CS2: Modify the detail for the Spine Road's multi-use path to show a 10 foot wide landscape strip, a 10 foot wide concrete multi-use path, and a 3 foot wide DG path adjacent. The landscape strip should be adjacent to the roadway.
4. Sheet CX0: Along Robinson Street modify the detail for the multi-use path to show a 10 foot wide landscape strip, a 10 foot wide concrete multi-use path, and a 3 foot wide DG path adjacent. The landscape strip should be adjacent the roadway. -
5. Sheet CS0: Demonstrate that the area for the park will be ten acres and will not include a drainage facility. The drainage channel is not to be on park property.
6. Sheet CS2: Curve the multi-use path along Robinson Street to connect to the pedestrian crossing on the Spine Road. Create connections from the multi-use path to the pedestrian crossing.
7. The multi-use path on the north side of Fifth Street is to connect to the Linear Park's multi-use path east of the freeway.
8. The project's improvement plans are subject to review and approval by the PROS department.
9. PROS Department is to sign off on the project improvements prior to final inspection by the Engineering Department.



NEVADA DIVISION OF  
**ENVIRONMENTAL  
PROTECTION**

STATE OF NEVADA  
Department of Conservation & Natural Resources

Brian Sandoval, Governor  
Bradley Crowell, Director  
Greg Lovato, Administrator

January 22, 2018

LEE PLEMEL  
Planning Division  
108 E. Proctor  
Carson City NV 89701



**Re: Tentative Map- Blackstone Ranch Phase 2  
209 lots Carson City**

Dear Mr. PLEMEL:

The Nevada Division of Environmental Protection has reviewed the above referenced subdivision and recommends approval of said subdivision with respect to water pollution and sewage disposal, provided that Carson City commits to provide sewage service to said subdivision.

Please note that if the developer of this subdivision will disturb more than one acre, he/she is required to obtain coverage under NDEP's Construction Stormwater General Permit NVR100000. A Notice of Intent must be filed electronically and submitted with a \$200 fee prior to commencing any earth-disturbing activities at the site. Visit NDEP's Bureau of Water Pollution Control's website at: [http://ndep.nv.gov/bwpc/storm\\_cont03.htm](http://ndep.nv.gov/bwpc/storm_cont03.htm) for more information about this permit.

Sincerely,

Ryan Fahey, Staff Engineer  
Technical Services Branch  
Bureau of Water Pollution Control

cc:

BUREAU OF CORRECTIVE ACTIONS SUPERFUND PROGRAM MANAGER BCA, 901 S. Stewart St.  
Ste. 4001 CARSON CITY, NV 89701

DARREN SCHULZ Carson City Public Works Director, 3505 Butti Way Carson City, NV 89701

Engineer: THE RED, LTD 7272 S. El Capitan Way Las Vegas NV 89148

Developer: BLACKSTONE DEVELOPMENT GROUP 439 Plumb Lane Reno NV 89509

Control No. 11496



# **BLACKSTONE RANCH - PHASE 2**

## **Tentative Map Application**



Photo Credit: aroundcarson.com

Prepared by:



**September 2018**

# **BLACKSTONE RANCH – PHASE 2**

## **TENTATIVE SUBDIVISION MAP APPLICATION**

**Prepared for:**

Blackstone Development Group, Inc.

439 W. Plumb Lane

Reno, Nevada 89509

**Prepared by:**

Rubicon Design Group, LLC

100 California Avenue, Suite 202

Reno, Nevada 89509

(775) 425-4800

**October 19, 2017**

**Updated September 2018**



## **BLACKSTONE RANCH - PHASE 2**

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#### **Attachments:**

Carson City Application Form and Checklist  
Conceptual Review Letter  
Preliminary Engineering Plans and Reports  
Preliminary Landscape Plans  
Traffic Impact Analysis  
Preliminary Geotechnical Report



## BLACKSTONE RANCH - PHASE 2

### Introduction

This application includes the following request:

- A **Tentative Subdivision Map Application** to allow for a 204-unit single family residential subdivision within the Lompa Ranch North Specific Plan.

### Project Location

Blackstone Ranch Phase 2 is located within the Lompa Ranch North Specific Plan area which encompasses 203± acres located on the west side of Interstate 580, north of East Fifth Street, east of Saliman Road, and south of US Highway 50 (East William Street). The remaining 48.04± acres are located on the east side of Interstate 580 along the western side of Airport Road. Specifically, Phase 2 is located east of Saliman Road, southeast of the existing terminus of Robinson Street on the west side of Lompa Ranch. Phase 2 will include 58.5± acres and is located within a portion of an existing 106.71± acre parcel (APN# 010-041-71). Figure 1 (below) depicts the project location.



Figure 1 – Vicinity Map

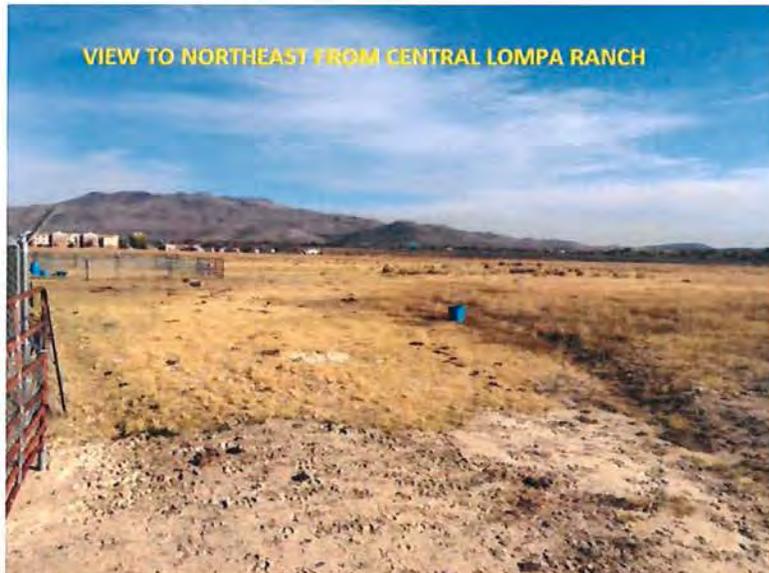
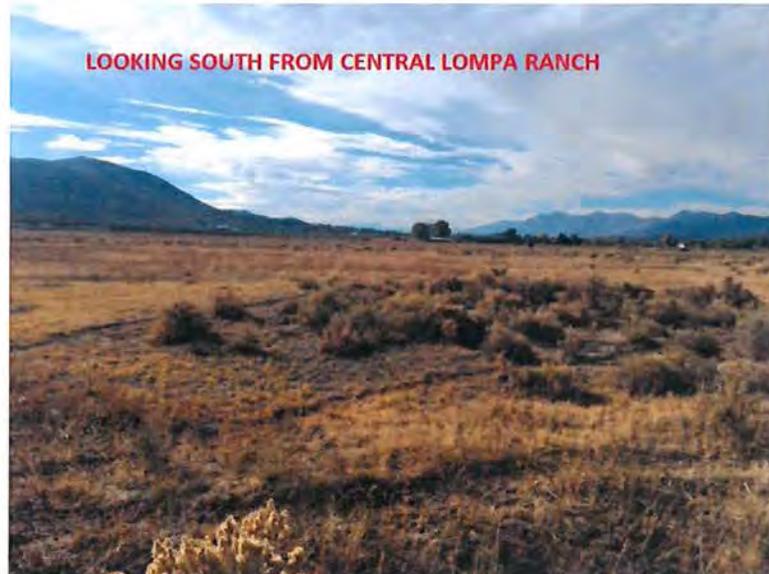


## **BLACKSTONE RANCH - PHASE 2**

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### **Existing Conditions**

Currently, the project site is vacant and consists primarily of pasture land. Figure 2 (below) depicts the existing onsite conditions.



**Figure 2 – Existing Conditions**





## BLACKSTONE RANCH - PHASE 2

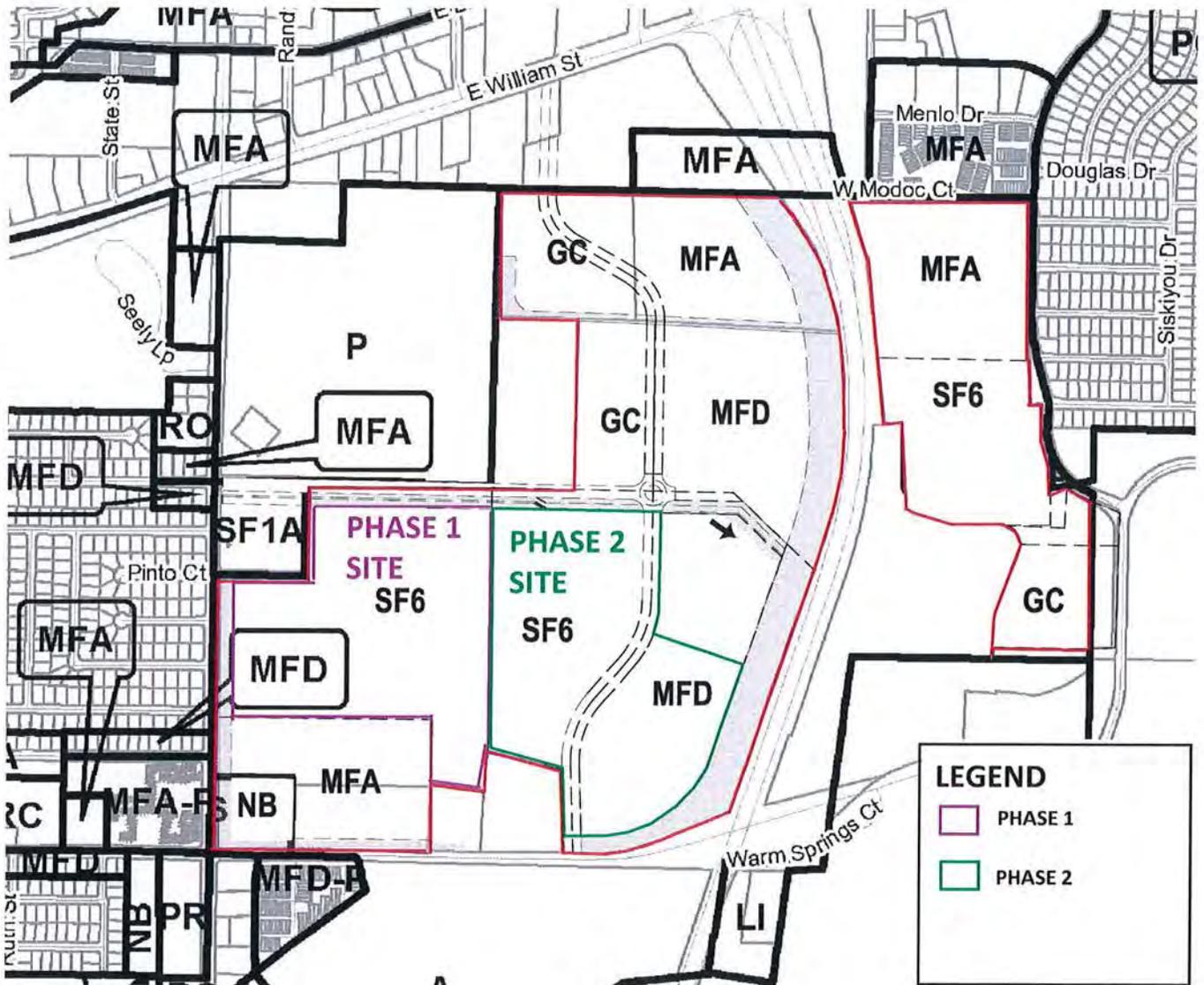


Figure 4 – Zoning Map



## **BLACKSTONE RANCH - PHASE 2**

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Surrounding land use includes Blackstone Ranch Phase 2 (to include single family homes) to the west, vacant land and the Carson High School solar array to the north, a single-family residence and vacant land to the south, and Interstate 580 to the east. Access to the Phase 2 property will be from an extension of Robinson Street to the east and via a new north/south spine road that will connect Robinson Street to 5<sup>th</sup> Street to the south.

### **Project Description**

This Tentative Subdivision Map application is for the second phase of the overall Lompa Ranch project. The plan incorporates comments received from Carson City during the Conceptual Map phase of the project review and includes a change to the overall project boundary in order to preserve the community park location as provided in the Lompa Ranch North Specific Plan. As such, the Phase 2 boundary was extended south to Fifth Street, incorporating the MFD zoning.

Blackstone Ranch Phase 2 is proposed for 204 single family units. Primary access to the development will be via an extension of Robinson Street at the north and from a new north/south spine road that will connect Robinson Street with East Fifth Street.; one located along Saliman Road and one located along Robinson Street. Neighborhood access points include a "split" entry which will allow for an entry monument that identifies the community, as called out in the Lompa Ranch North Specific Plan.

Consistent with the existing SF-6 and MFD zoning, lot sizes will range from 6,000± square feet to 11,417± square feet, with an overall average lot size of 6,724± square feet. At this time, final home plans (including elevations and floor plans) have not been completed. However, building envelopes are shown on the Tentative Map. Elevations must comply with the standards included within the Specific Plan. This includes the use of varied materials and a minimum of three different elevation options for each model. Additionally, "staggered" setbacks are required to ensure that a monotonous streetscape does not occur.

The Carson City Municipal Code requires that a minimum of 150 square feet of open space area be provided for each individual unit. Based on 204 units, a total of 30,600 square feet of open space is required. As proposed, a total of 377,230± square feet of open space is provided. A homeowners' association along with covenants, conditions and restrictions (CC&R's) will be created for the project and will be responsible for the maintenance of all open space/common areas.



## BLACKSTONE RANCH - PHASE 2

The following table provides an overall summary of Blackstone Ranch - Phase 2:

Development Standard	Proposed with Blackstone Ranch – Phase 2
Total Project Area	58.5± acres <sup>1</sup>
Total Units	204
Total Lot Area	31.8± acres
Right-of-Way Area	18± acres
Common Area/Open Space	8.7± acres
Project Density	3.49 dwelling units per acre
Minimum Lot Size	6,000± square feet
Maximum Lot Size	11,417± square feet
Average Lot Size	6,724± square feet

<sup>1</sup> - Current parcel acreage = 106.71± acres

Consistent with the Lompa Ranch Specific Plan standards, a pedestrian trail will be constructed along the Robinson Street frontage, adjacent to the proposed open channel as well as along the new north/south spine road. The trail(s) will be paved and constructed to the Unified Pathways Master Plan standards.

In terms of impacts, Blackstone Ranch Phase 2 is compatible with the surrounding area and will not unduly burden existing public services and infrastructure. A comprehensive traffic impact analysis completed by Traffic Works is attached. Based on typical Institute of Transportation Engineers (ITE) estimates, Blackstone Ranch Phase 2 will generate approximately 1,818 average daily trips (ADT) with 141 am peak hour trips and 186 pm peak hour trips. The traffic impact analysis describes all necessary mitigation measures and/or improvements that will be made to ensure appropriate levels of service are maintained.

Blackstone Development Group, Inc., the Master Developer, is currently working with Carson City and the Federal Emergency Management Agency (FEMA) on a Letter of Map Revision (LOMR) to remove the majority of the 251 acres from the floodway and a Conditional Letter of Map Revision (CLOMR) to remove the property from the floodplain. A master drainage analysis is attached and includes a network of storm water channels and improvements that will remove the subject property from the FEMA flood plain. Based on pre-application meetings with Carson City staff, it was determined that tentative maps can move forward and will simply include a condition that requires the developer to demonstrate that the property has been removed from the hazard zone(s). The CLOMR/LOMR process will accomplish this. Also, a preliminary drainage report was completed with the Lompa Ranch North Specific Plan. A more refined report that specifically addresses Blackstone Ranch Phase 2 is included as an attachment to this report.

With only 204 units, overall project impacts will be minimal. The project, as proposed, is consistent with the adopted zoning and Specific Plan standards. The project will be required to pay all applicable impact and City fees, including the adopted fire impact fee included within the Lompa Ranch Specific Plan. Park tax will not be required as the Lompa Ranch Master Developer will be required to construct a 10-acre community park with construction of the 750<sup>th</sup> unit.



## BLACKSTONE RANCH - PHASE 2

As an infill development, emergency services are already occurring within the area. The project is not anticipated to unduly impact existing levels of service and is in fact providing fire mitigation funds that can help support the construction of an additional fire station in the future.

Figure 5 (below) depicts the layout proposed for Phase 2.

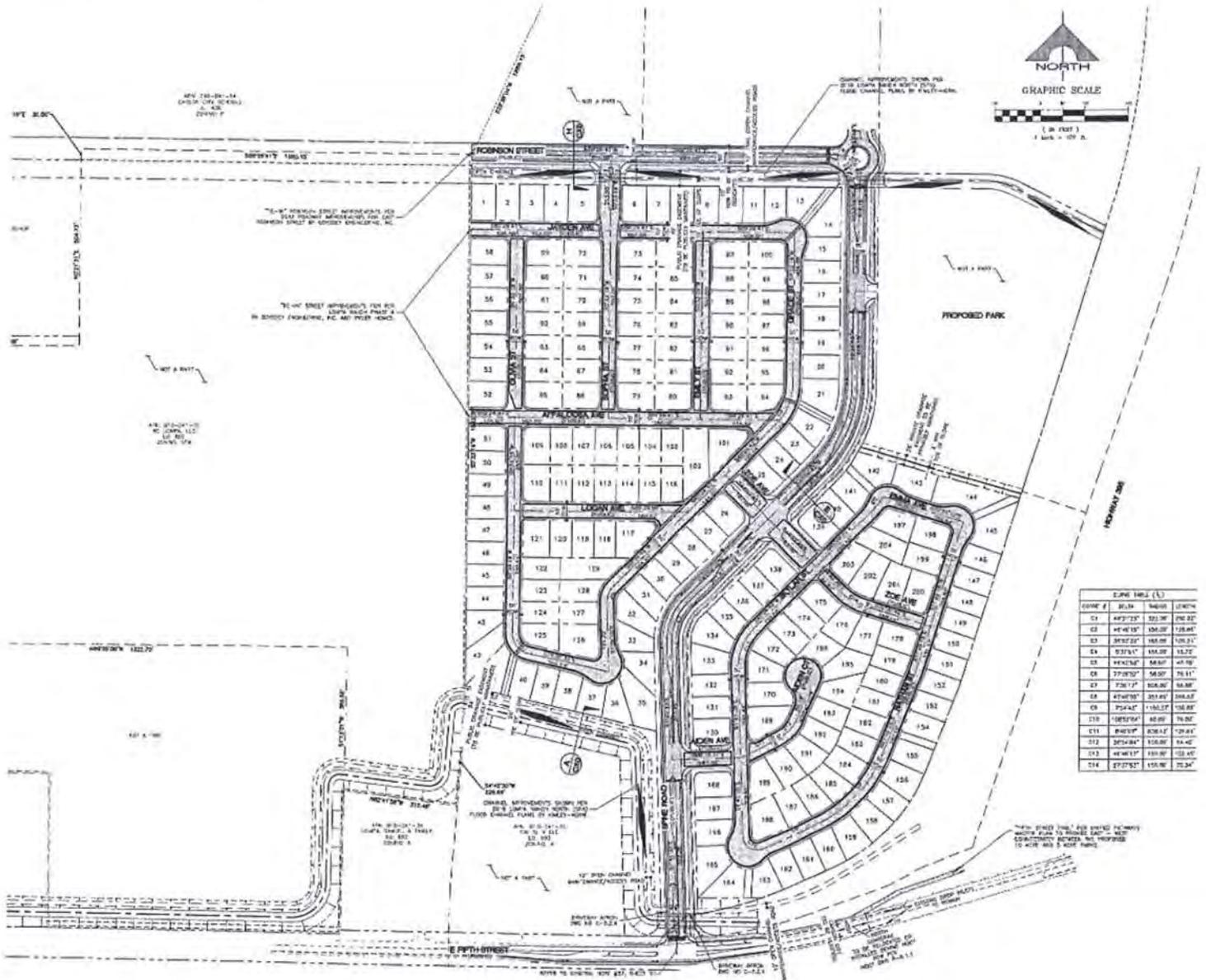


Figure 5 – Preliminary Site Plan



## BLACKSTONE RANCH - PHASE 2

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### Master Plan Policy Checklist

Consistent with Carson City Tentative Subdivision Map application requirements, this section is taken directly from Carson City documents and forms part of the *Tentative Map* application process. Responses to the checklist questions are included in this section and are printed in **bold** type.

#### PURPOSE

The purpose of a development checklist is to provide a list of questions that address whether a development proposal is in conformance with the goals and objectives of the 2006 Carson City Master Plan that are related to Master Plan Map Amendments and Zoning Map Amendments. This checklist is designed for developers, staff, and decision-makers and is intended to be used as a guide only.

Development Name:

Reviewed By:

Date of Review:

#### DEVELOPMENT CHECKLIST

The following five themes are those themes that appear in the Carson City Master Plan and which reflect the community's vision at a broad policy level. Each theme looks at how a proposed Master Plan or Zoning Map Amendment can help achieve the goals of the Carson City Master Plan. A check mark indicates that the proposed amendment meets the applicable Master Plan policy. The Policy Number is indicated at the end of each policy statement summary. Refer to the Comprehensive Master Plan for complete policy language.

#### CHAPTER 3: A BALANCED LAND USE PATTERN

The Carson City Master Plan seeks to establish a balance of land uses within the community by providing employment opportunities, a diverse choice of housing, recreational opportunities, and retail services.

Is or does the proposed amendment:

- ✓ Consistent with the Master Plan Land Use Map in location and density?

**As proposed, Blackstone Ranch Phase 2 is in direct compliance with the existing Medium Density Residential Master Plan designation and SF6/MFD zoning. Additionally, the project is in full compliance with the standards and requirements included within the Lompa Ranch North Specific Plan.**

- ✓ Meet the provisions of the Growth Management Ordinance (1.1d, Municipal Code 18.12)?

**This project meets the provisions of the Growth Management Ordinance by locating housing in an area that is adjacent to existing roadways and services. The project is an infill development and serves to better maximize the use of Carson City's infrastructure. Infill residential is encouraged within the Master Plan. The project has convenient access to all community services and is appealing to a wide range of potential residents.**



## **BLACKSTONE RANCH – PHASE 2**

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- ✓ Encourage the use of sustainable building materials and construction techniques to promote water and energy conservation (1.1e and f)?

**New development must comply with the standards included within the Lompa Ranch North Specific Plan which include energy efficient building materials as well as locating building envelopes with solar orientation in mind (to the extent possible).**

Located in a priority infill development area (1.2a)?

**The project site is not in a priority infill area but it is an infill project.**

- ✓ Provide pathway connections and easements consistent with the adopted Unified Pathways Master Plan and maintain access to adjacent public lands (1.4a)?

**The overall Lompa Ranch project will provide a comprehensive trail network. As such, Phase 2 will include the links to the ultimate network in accordance with the Specific Plan standards.**

- ✓ Encourage cluster development techniques, particularly at the urban interface with surrounding public lands, as appropriate, and protect distinctive site features (1.4b and c, 3.2a)?

**The project clusters development and retains significant open space. This open space then serves as an access point to trails and undeveloped areas and exceeds the required minimum by over 8 acres.**

At adjacent county boundaries, coordinated with adjacent existing or planned development with regards to compatibility, access, and amenities (1.5a)?

**The site is not located along a county boundary.**

- ✓ Located to be adequately served by City services including fire and sheriff services, and coordinated with the School District to ensure the adequate provision of schools (1.5d)?

**As an infill parcel, the site is bordered by existing development and is within existing service boundaries. City and area services are already occurring within the area and can be provided to this site as well. Also, the project is subject to fire impact fees as adopted in the Lompa Ranch Specific Plan.**

In identified Mixed-Use areas, promote mixed-use development patterns as appropriate for the surrounding context consistent with the land use descriptions of the applicable Mixed-Use designation, and meet the intent of the Mixed-Use Evaluation Criteria (2.1b, 2.2b, 2.3b, Land Use Districts, Appendix C)?

**The site is not within an identified mixed-use area. However, the overall Lompa Ranch project will be a highly integrated mixed-use development. This is simply a single phase in a much larger overall development.**



## **BLACKSTONE RANCH – PHASE 2**

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- ✓ Provide a variety of housing models and densities within the urbanized area appropriate to the development size, location and surrounding neighborhood context (2.2a, 9.1a)?

**The project will provide new housing options in east Carson City and serves to fill a defined demand for new homes in the area. New homes will incorporate design standards from the Lompa Ranch North Specific Plan and overall density/lot size is consistent with existing single family uses to the west.**

Protect environmentally sensitive areas through proper setbacks, dedication, or other mechanisms (3.1b)?

**There are no environmentally sensitive areas on the site. A threatened and endangered species evaluation memo is included as an attachment to this report.**

If at the urban interface, provide multiple access points, maintain defensible space (for fires) and are constructed of fire resistant materials 3.3b)?

**The site is not within an urban/wildlife interface area.**

Site outside the primary floodplain and away from geologic hazard areas or follow the required setbacks or other mitigation measures (3.3d, e)?

**As noted previously, a CLOMR/LOMR process is currently underway which will remove the subject site from the FEMA flood hazard area(s). A condition will be placed on the tentative map that requires completion of this process prior to construction.**

- ✓ Provide for levels of services (i.e. water, sewer, road improvements, sidewalks, etc) consistent with the Land Use designation and adequate for the proposed development (Land Use table descriptions)?

**The project proposes to provide levels of service consistent with what is seen in the area now. As an infill site, it is possible to coordinate the project design with development that adjoins the site. Roads, sidewalks, and utilities will therefore be commensurate with what the neighborhood enjoys now. Trail connections and open space will be improved.**

If located within an identified Specific Plan Area (SPA), meet the applicable policies of that SPA (Land Use Map, Chapter 8)?

**The project, as proposed, is in full compliance with the Lompa Ranch North Specific Plan.**



## **BLACKSTONE RANCH - PHASE 2**

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### CHAPTER 4: EQUITABLE DISTRIBUTION OF RECREATIONAL OPPORTUNITIES

The Carson City Master Plan seeks to continue providing a diverse range of park and recreational opportunities to include facilities and programming for all ages and varying interests to serve both existing and future neighborhoods.

Is or does the proposed amendment:

- ✓ Provide park facilities commensurate with the demand created and consistent with the City's adopted standards (4.1b)?

**The project will provide substantial open space area that will benefit the neighborhood. The project is therefore proposing amenities well above what is required by Code and by normal planning practice. Also, as the Lompa Ranch master plan develops, a new community park and trail network will be provided per the Lompa Ranch North Specific Plan.**

- ✓ Consistent with the Open Space Master Plan and Carson River Master Plan (4.3a)?

**This project advances the goals of the Open Space Master Plan through its use of an infill site and through the provision of park/open space area. The project does not extend development into wildland areas.**

### CHAPTER 5: ECONOMIC VITALITY

The Carson City Master Plan seeks to maintain its strong diversified economic base by promoting principles which focus on retaining and enhancing the strong employment base, include a broader range of retail services in targeted areas, and include the roles of technology, tourism, recreational amenities, and other economic strengths vital to a successful community.

Is or does the proposed amendment:

- ✓ Incorporating public facilities and amenities that will improve residents' quality of life (5.5e)?

**As detailed above, the project will provide public amenities in the form of park space and enhanced trails.**

Promote revitalization of the Downtown core (5.6a)?

**Not applicable.**

Incorporate additional housing in and around the Downtown, including lofts, condominiums, duplexes, live-work units (5.6c)?

**Not applicable.**



## BLACKSTONE RANCH – PHASE 2

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### CHAPTER 6: LIVABLE NEIGHBORHOODS AND ACTIVITY CENTERS

The Carson City Master Plan seeks to promote safe, attractive and diverse neighborhoods, compact mixed-use activity centers, and a vibrant, pedestrian-friendly Downtown.

Is or does the proposed amendment:

- ✓ Provide variety and visual interest through the incorporation of varied lot sizes, building styles and colors, garage orientation and other features (6.1b)?

**As required per the Specific Plan, new homes will be required to provide a mix of building materials in order to provide for more diverse architecture. This, coupled with staggered setbacks will ensure a visually appealing streetscape. Also, all floor plans will be required to have a minimum of 3 distinct elevations. This ensures that the neighborhood has visual interest and that all of the homes will not look alike.**

- ✓ Provide variety and visual interest through the incorporation of well-articulated building facades, clearly identified entrances and pedestrian connections, landscaping and other features consistent with the Development Standards (6.1c)?

**The Lompa Ranch North Specific Plan standards far exceed the requirements of the Carson City Municipal Code. This ensures that there will be enhanced landscaping, distinctive entry monuments, upscale architecture, etc.**

- ✓ Provide appropriate height, density and setback transitions and connectivity to surrounding development to ensure compatibility with surrounding development for infill projects or adjacent to existing rural neighborhoods (6.2a, 9.3b 9.4a)?

**The project will be complementary to surrounding development in terms of height, setbacks, and use and will therefore be directly compatible.**

If located in an identified Mixed-Use Activity Center area, contain the appropriate mix, size and density of land uses consistent with the Mixed-Use district policies (7.1a, b)?

**The project is not in a mixed-use activity center.**

If located Downtown:

- o Integrate an appropriate mix and density of uses (8.1a, e)?

**Not applicable.**



## **BLACKSTONE RANCH – PHASE 2**

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o Include buildings at the appropriate scale for the applicable Downtown Character Area (8.1b)?

**The project is not located downtown.**

o Incorporate appropriate public spaces, plazas and other amenities (8.1d)?

**The project is not located downtown however it does include public spaces.**

### CHAPTER 7: A CONNECTED CITY

The Carson City Master Plan seeks promote a sense of community by linking its many neighborhoods, employment areas, activity centers, parks, recreational amenities and schools with an extensive system of interconnected roadways, multi-use pathways, bicycle facilities, and sidewalks.

Is or does the proposed amendment:

✓ Promote transit-supportive development patterns (e.g. mixed-use, pedestrian-oriented, higher density) along major travel corridors to facilitate future transit (11.2b)?

**The project is located along existing streets and is within walking distance of schools and commercial uses. Also, the site is within walking distance of existing transit stops.**

✓ Maintain and enhance roadway connections and networks consistent with the Transportation Master Plan (11.2c)?

**The project is accessed by the existing roadway network. It will also fill some existing gaps in the roadway network by providing additional improvements as depicted on the attached plans.**

✓ Provide appropriate pathways through the development and to surrounding lands, including parks and public lands, consistent with the Unified Pathways Master Plan and the proposed use and density (12.1a, c)?

**The project will provide for a pedestrian path as called out in the Specific Plan, consistent with the Unified Pathways Master Plan.**



## **BLACKSTONE RANCH – PHASE 2**

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### **Tentative Map Findings**

Section 17.07.005 of the Carson City Municipal Code establishes findings that the Planning Commission and/or Board of Supervisors must make in approving a tentative subdivision map. These findings are listed below and are addressed in **bold face type**.

In considering parcel maps, planned unit developments and tentative subdivision maps the director shall consider the following:

1. Environmental and health laws and regulations concerning water and air pollution, the disposal of solid waste, facilities to supply water, community or public sewage disposal and, where applicable, individual systems for sewage disposal.

**Blackstone Ranch Phase 2 serves as an infill project within an established area of the City. Therefore, all necessary infrastructure and municipal services necessary to serve the project are in place or can easily be extended (at the expense of the developer). The project will be served by municipal water and sewer, solid waste disposal, NV Energy, Southwest Gas, cable television, etc. in accordance with Carson City and State of Nevada standards.**

2. The availability of water which meets applicable health standards and is sufficient in quantity for the reasonably foreseeable needs of the subdivision.

**Blackstone Ranch will be served by the existing municipal water system and it will be demonstrated by the project applicant that sufficient water rights have been dedicated/acquired to serve the project.**

3. The availability and accessibility of utilities.

**As an infill development, all necessary utilities are in place or can be easily extended to serve the project.**

4. The availability and accessibility of public services such as schools, police protection, transportation, recreation and parks.

**The project is located within the developed core of the City and is therefore located in an area where all City services and infrastructure exist. Additionally, as part of the overall Lompa Ranch SPA, new schools, parks, and community amenities are planned and mandated through the SPA.**

5. Access to public lands. Any proposed subdivision that is adjacent to public lands shall incorporate public access to those lands or provide an acceptable alternative.

**Not applicable. However, the project does provide pedestrian trail links per the requirements of the Lompa Ranch SPA.**



## **BLACKSTONE RANCH - PHASE 2**

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6. Conformity with the zoning ordinance and land use element of the city's master plan.

**The project is in direct compliance with the existing Master Plan designation. Furthermore, the project complies with the SF-6 and MFD zoning in terms of overall density and character.**

7. General conformity with the city's master plan for streets and highways.

**With only 204 units, the project will be adequately served by the existing roadway network and will result in negligible impacts. A comprehensive traffic impact analysis is attached and provides specific details and mitigation measures.**

8. The effect of the proposed subdivision on existing public streets and the need for new streets or highways to serve the subdivision.

**As outlined in the attached traffic impact analysis, all impacts associated with Blackstone Ranch Phase 2 can easily be mitigated and no significant impacts are anticipated.**

9. The physical characteristics of the land such as flood plains, earthquake faults, slope and soil.

**The project is well suited for the type of development proposed, especially given the planned drainage improvements (as noted in the attached drainage report). The project site contains no faults or unusual soils. Attached to this report are detailed engineering plans, reports, and analyses that provide further details. The site is in an infill area and is part of the developed core of Carson City.**

10. The recommendations and comments of those entities reviewing the subdivision request pursuant to NRS 278.330 thru 278.348, inclusive.

**This application package will be sent to reviewing agencies per the requirements of the Carson City Municipal Code and Nevada Revised Statutes. Once comments are received, they can be incorporated into the final design of the project or included as conditions of approval of this tentative subdivision map request.**

11. The availability and accessibility of fire protection including, but not limited to, the availability and accessibility of water and services for the prevention and containment of fires including fires in wild lands.

**Fire suppression will be provided for Blackstone Ranch Phase 2. This is accomplished by providing fire hydrants per Carson City standards and to the approval of the Carson City Fire and Engineering Departments. It is also important to note that new homes within the Lompa Ranch SPA are required to contribute \$1,000.00 per unit as a fire mitigation fee.**



## **BLACKSTONE RANCH - PHASE 2**

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12. Recreation and trail easements.

**Trail connections will be constructed within Blackstone Ranch Phase 2 per the requirements of the Lompa Ranch SPA. All necessary public use easements, etc. will be dedicated with final map.**

### **Nevada Revised Statutes**

Per item 34 of the tentative subdivision map application, the provisions NRS 278.349(3) are addressed in this section. Like the tentative map findings, NRS considerations are addressed in **bold face** type. Some NRS considerations are repetitive to Carson City adopted findings but are included to ensure complete compliance.

The governing body, or planning commission if it is authorized to take final action on a tentative map, shall consider:

(a) Environmental and health laws and regulations concerning water and air pollution, the disposal of solid waste, facilities to supply water, community or public sewage disposal and, where applicable, individual systems for sewage disposal;

**Blackstone Ranch Phase 2 will connect to City services. Waste disposal will therefore be managed in the same manner as other residential developments in the City. By utilizing the existing zoning and overall density, impacts from the project will be consistent with the City's goals and expectations.**

(b) The availability of water which meets applicable health standards and is sufficient in quantity for the reasonably foreseeable needs of the subdivision;

**The area is served by municipal utilities, including water. Additionally, fire hydrants will be provided per City standards. Water rights will be secured to serve the project, to the satisfaction of Carson City Engineering Department.**

(c) The availability and accessibility of utilities;

**The site is bordered by municipal utilities. They are therefore both available and accessible.**



## **BLACKSTONE RANCH - PHASE 2**

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(d) The availability and accessibility of public services such as schools, police protection, transportation, recreation and parks;

The site is served by existing roads and is within walking distance of Mills Park and Carson High. Public services already extend to development that adjoins the site. In effect, the site is fully served by City services. It is also important to note that new public facilities, including a 10-acre community park will be included within the Lompa Ranch SPA as it continues to build-out.

(e) Conformity with the zoning ordinances and master plan, except that if any existing zoning ordinance is inconsistent with the master plan, the zoning ordinance takes precedence;

The current SF-6 and MFD zoning is consistent with the current Master Plan designation. This zoning is to remain in place with this project. The overall density of the site and the proposed structures are consistent with the zoning regulations.

(f) General conformity with the governing body's master plan of streets and highways;

The project conforms to the Master Plan for streets in that it locates development along an existing street. No changes to streets or highways are required.

(g) The effect of the proposed subdivision on existing public streets and the need for new streets or highways to serve the subdivision;

As noted above, no new streets or highways are required. A comprehensive traffic impact analysis is attached to this report.

(h) Physical characteristics of the land such as floodplain, slope and soil;

Engineering improvements, including new drainage improvements, will be implemented to ensure that all new units are not located within areas prone to flooding. There are no slope or soil constraints that would preclude development at the densities being proposed.



## **BLACKSTONE RANCH - PHASE 2**

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(i) The recommendations and comments of those entities and persons reviewing the tentative map pursuant to NRS 278.330 to 278.3485, inclusive;

Comments received on this application will be reviewed and discussed as needed. Any required amendments to the project will be incorporated or resolved to the satisfaction of Carson City staff.

(j) The availability and accessibility of fire protection, including, but not limited to, the availability and accessibility of water and services for the prevention and containment of fires, including fires in wild lands; and

The project site is not located within a wildland fire zone. Fire hydrants will be provided per City standards and the project will ultimately contribute \$204,000 in fire mitigation fees.

(k) The submission by the subdivider of an affidavit stating that the subdivider will make provision for payment of the tax imposed by chapter 375 of NRS and for compliance with the disclosure and recording requirements of subsection 5 of NRS 598.0923, if applicable, by the subdivider or any successor in interest.

A tax certificate for the parcel included within this application is included as an attachment to this report.





**CLIENT:**  
BLACKSTONE DEVELOPMENT GROUP  
439 PLUMB LANE  
RENO, NV 89509  
CONTACT: JOSHUA MYERS  
PHONE: (775) 352-4200

DATE	NO.	REVISIONS	APPROVED

**GENERAL NOTES**

**BLACKSTONE RANCH - PHASE 2**

NEVADA  
CARSON CITY

PC JOB NO.	EN09-311
DESIGNED BY	ACJEL/MS
DRAWN BY	MS
CHECKED BY	SD
DATE	2018 08 13

**GENERAL NOTES**

1. CONSISTENT WITH THE SPECIFIC PLAN, GARAGES SHOULD NOT BE THE DOMINANT FEATURE OF THE BUILDING, AND SHOULD BE OFF-SET.
2. PROJECT TO COMPLY WITH THE 2012 INTERNATIONAL FIRE CODE AND NORTHERN NEVADA FIRE CODE AMENDMENTS AS ADOPTED BY CARSON CITY.
3. THE DEVELOPER SHALL INCORPORATE LANGUAGE IN CONSTRUCTION DOCUMENTS AND SPECIFICATIONS THAT REQUIRE BEST MANAGEMENT PRACTICES TO REDUCE THE SPREAD OF NOXIOUS WEEDS. THE PARKS, RECREATION AND OPEN SPACE DEPARTMENT WILL ASSIST THE DEVELOPER WITH THIS CONDITION.
4. COMMON OPEN SPACE, LANDSCAPE, AND IRRIGATION SYSTEM MAINTENANCE MUST BE PROVIDED BY AN HOA OR A LMD.
5. FOUNDATION STYLE OF THE HOUSES SHALL BE SLAB-ON-GRADE.
6. MAINTENANCE OF PRIVATE STORM DRAINAGE MUST BE DONE BY AN LMD OR SIMILAR.
7. ALL CONSTRUCTION WORK MUST BE TO CARSON CITY DEVELOPMENT STANDARDS (CCDS) AND MEET THE REQUIREMENTS OF THE CARSON CITY STANDARD DETAILS.
8. FRESH WATER MUST BE USED FOR DUST CONTROL. CONTACT RIT PALMER AT PUBLIC WORKS AT 283-7382 FOR MORE INFORMATION.
9. A PRIVATE TESTING AGREEMENT WILL BE NECESSARY FOR THE COMPACTION AND MATERIAL TESTING IN THE STREET RIGHT OF WAY. THE FORM CAN BE OBTAINED THROUGH CARSON CITY PERMIT ENGINEERING.
10. ANY IRRIGATION SERVICE WILL NEED A REDUCED PRESSURE BACKFLOW PREVENTER IF A VACUUM BREAKER SYSTEM CANNOT BE DESIGNED TO OPERATE PROPERLY.
11. NEW ELECTRICAL SERVICE MUST BE UNDERGROUND.
12. ANY WORK PERFORMED IN THE STREET RIGHT OF WAY WILL REQUIRE A TRAFFIC CONTROL PLAN AND A TIME LINE TYPE SCHEDULE TO BE SUBMITTED BEFORE THE WORK CAN BEGIN. A MINIMUM OF ONE WEEK NOTICE MUST BE GIVEN BEFORE ANY WORK CAN BEGIN IN THE STREET RIGHT OF WAY.
13. A STORMWATER POLLUTION PREVENTION PERMIT (SWPPP) FROM THE NEVADA DIVISION OF ENVIRONMENTAL PROTECTION (NDEP) WILL BE REQUIRED FOR THE CONSTRUCTION OF THIS PROJECT.
14. A DUST CONTROL PERMIT FROM NDEP WILL BE REQUIRED FOR ANY PROJECT 5 ACRES OR GREATER.
15. A SEWER AND WATER CONNECTION FEE FORM MUST BE INCLUDED IN THE FIRST SUBMITTAL CONSTRUCTION PERMIT SUBMITTAL.
16. NV ENERGY TO PROVIDE/DESIGN SERVICE TO ALL ELECTRICAL NEEDS ASSOCIATED WITH THIS PROJECT. THE NEW SERVICE AND THE RESOLUTION OF ANY CONFLICTS WILL BE ACCOMPLISHED PURSUANT TO THE NEVADA PUBLIC UTILITY COMMISSION'S RULES AND REGULATIONS.
17. ASPHALT CONCRETE (AC) & PORTLAND CONCRETE CEMENT (PCC) PAVEMENT SECTIONS TO COMPLY WITH SECTION 9.11 OF THE PRELIMINARY GEOTECHNICAL INVESTIGATION REPORT FOR THE LOMPA RANCH PROJECT, CARSON CITY, NEVADA DATED OCTOBER 2016 AS PREPARED BY RESOURCE CONCEPTS, INC (RCI).
18. ALL FENCING ABUTTING OPEN SPACE SHALL BE OPEN.
19. FRONT YARD SETBACKS VARY FROM 15' TO 20'.
20. NOT USED
21. THESE PARCELS ARE SUBJECT TO CARSON CITY'S GROWTH MANAGEMENT ORDINANCE AND ALL PROPERTY OWNERS SHALL COMPLY WITH PROVISIONS OF SAID ORDINANCE.
22. THE DEVELOPER WILL COMPLETE CONSTRUCTION OF THE MULTI-USE PATH, LANDSCAPE MEDIANS, AND ALL ASSOCIATED LANDSCAPING/IRRIGATION SYSTEMS IN CONJUNCTION WITH PHASE 2'S FULL STREET IMPROVEMENTS.
23. ALL LANDSCAPING AND IRRIGATION LOCATED ALONG ROBINSON STREET AND BLACKSTONE RANCH BOULEVARD WILL BE DESIGNED AND INSTALLED TO INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) AND CARSON CITY STANDARDS TO THE SATISFACTION OF THE PARKS, RECREATION & OPEN SPACE DEPARTMENT. TREE SELECTION FOR THESE AREAS WILL TAKE INTO CONSIDERATION MATURE TREE HEIGHT, SPREAD, BRANCHING PATTERN, AND ROOT AGGRESSIVENESS AS TO NOT CONFLICT WITH OR DAMAGE THE BICYCLE LANES AND/OR THE MULTI-USE PATH. NO NUT OR FRUIT BEARING TREES SHALL BE ALLOWED IN THE DESIGN. SHRUB SELECTION SHALL TAKE INTO CONSIDERATION THE AUTOMOBILE'S VISUAL TRIANGLE AT INTERSECTIONS AND SAFETY AT PEDESTRIAN CROSSINGS.
24. ALL DECIDUOUS AND EVERGREEN TREE SIZES WILL CONFORM TO CMC DEVELOPMENT STANDARDS IN TITLE 18.3.5 LANDSCAPE DESIGN STANDARDS. THESE STANDARDS REQUIRE ALL DECIDUOUS TREES TO BE A 2" CALIPER (MINIMUM) AND ALL EVERGREEN TREES TO BE 6" TALL (MINIMUM).
25. A KUPFERLE ECLIPSE #88 OR APPROVED EQUAL SAMPLING TAP SHALL BE INCLUDED IN A COMMON AREA OF THE PROJECT NEAR ONE OF THE ENTRANCES.
26. THE GRADING PLANS INDICATE LOWEST FLOOR ELEVATIONS BASED ON THE OVERALL PHASING DRAINAGE REPORT.
27. MEDIANS IN SPINE ROAD TO BE MAINTAINED BY THE LANDSCAPE MAINTENANCE DISTRICT (LMD).
28. TREES MUST BE AT LEAST 10 FEET FROM WATER AND SEWER MAINS AND MUST NOT OBSTRUCT TURNING SIGHT DISTANCE.
29. ROBINSON STREET AND SPINE ROAD SHALL BE IMPROVED TO COLLECTOR ROADWAY STANDARDS WITH BIKE LANES.
30. ROBINSON STREET AND SPINE ROAD SHALL BE CONSTRUCTED AS FULL STREET IMPROVEMENTS.
31. BOTH THE ROBINSON STREET AND SPINE ROAD CORRIDORS SHALL INCLUDE MULTI-USE PATHS.
32. LOCAL ROADS SHALL HAVE A MINIMUM ACC PAVEMENT THICKNESS OF 4".
33. EXTRA CARE WILL BE TAKEN WITH RESPECT TO LIQUEFACTION DUE TO HIGH GROUNDWATER IN THE AREA.
34. ALL ENGINEERING WORK DONE ON THIS PROJECT MUST BE WET STAMPED AND SIGNED BY AN ENGINEER LICENSED IN NEVADA. THIS WILL INCLUDE SITE, GRADING, UTILITY, AND EROSION CONTROL PLANS AS WELL AS STANDARD DETAILS.
35. THIS PROJECT SHALL ADHERE TO THE LOMPA RANCH NORTH SPECIFIC PHASING PLAN AS APPROVED BY THE BOARD OF SUPERVISORS.
36. LOT ACCESS IS NOT PERMITTED FROM THE SIDE(S) OR REAR OF LOTS.
37. A PRIVATE HOME OWNER'S ASSOCIATION (HOA), LANDSCAPE MAINTENANCE DISTRICT (LMD), OR SIMILAR INSTRUMENT WILL BE ESTABLISHED FOR THE LOMPA RANCH NORTH SPECIFIC PLAN AREA TO PROVIDE FOR THE OPERATIONS AND MAINTENANCE OF ALL PARK, RECREATION AND PATH FACILITIES. OPERATION AND MAINTENANCE STANDARDS FOR THESE FACILITIES WILL BE ESTABLISHED BY CARSON CITY. THE DEVELOPER WILL DRAFT AN AGREEMENT FOR THE BOARD OF SUPERVISOR'S CONSIDERATION AND APPROVAL NO LATER THAN ISSUANCE OF THE CERTIFICATE OF OCCUPANCY FOR THE 200TH RESIDENTIAL UNIT.
38. A PRIVATE HOME OWNER'S ASSOCIATION (HOA), LANDSCAPE MAINTENANCE ASSOCIATION (LMA), OR SIMILAR INSTRUMENT WILL BE FORMED TO PROVIDE 100% FUNDING AND MAINTENANCE FOR ALL THE FOLLOWING AREAS IN PERPETUITY: COMMON LANDSCAPE AND OPEN SPACE AREAS, BUFFER AREAS BETWEEN THE DEVELOPMENT AND NEIGHBORHOODS, LANDSCAPING ASSOCIATED WITH THE DEVELOPMENT'S PATH SYSTEM, LANDSCAPE MEDIANS, STREET CORRIDORS, NON-PUBLIC RECREATION FACILITIES/AMENITIES, DETENTION BASINS, AND DRAINAGE CHANNELS. THE MAINTENANCE AND FUNDING SHALL BE ADDRESSED IN THE DEVELOPER AGREEMENT TO THE SATISFACTION OF THE BOARD OF SUPERVISORS. COMMON AREA MAINTENANCE SHALL INCLUDE AT A MINIMUM, BUT NOT LIMITED TO THE FOLLOWING:
  - I DEBRIS, WEED, AND LITTER REMOVAL
  - II NOXIOUS AND INVASIVE WEED MANAGEMENT, INCLUDING FIRE PREVENTION
  - III CARE AND REPLACEMENT OF PLANT MATERIAL
  - IV PLANT MATERIAL IRRIGATION AND IRRIGATION SYSTEM REPAIR
39. SUFFICIENT ROW TO BE DEDICATED AT THE INTERSECTION OF SPINE ROAD AND 5TH STREET TO ACCOMMODATE A ROUNDABOUT AND TRAFFIC SIGNAL. DEVELOPER TO COORDINATE WITH NDOT. PURSUANT TO DEDICATION OF LAND, CARSON CITY SHALL NOT REQUIRE THE DEVELOPER TO CONSTRUCT ANY ROUNDABOUT OR TRAFFIC SIGNAL IMPROVEMENTS UNLESS A TRAFFIC STUDY UPDATE DICTATES SO.
40. AT THE TIME OF CONSTRUCTION OF SPINE ROAD, IMPROVEMENT PLANS MUST INCLUDE IMPROVEMENTS ALONG THE NORTH SIDE OF E. 5TH STREET FROM THE WESTERN BOUNDARY OF PROPERTY IDENTIFIED BY ASSESSOR'S PARCEL NUMBER 010-044-134 TO THE EXISTING SIDEWALK ON THE WEST SIDE OF HIGHWAY 580, AND THE IMPROVEMENTS MUST BE MADE CONCURRENT WITH THE IMPROVEMENTS TO SPINE ROAD.

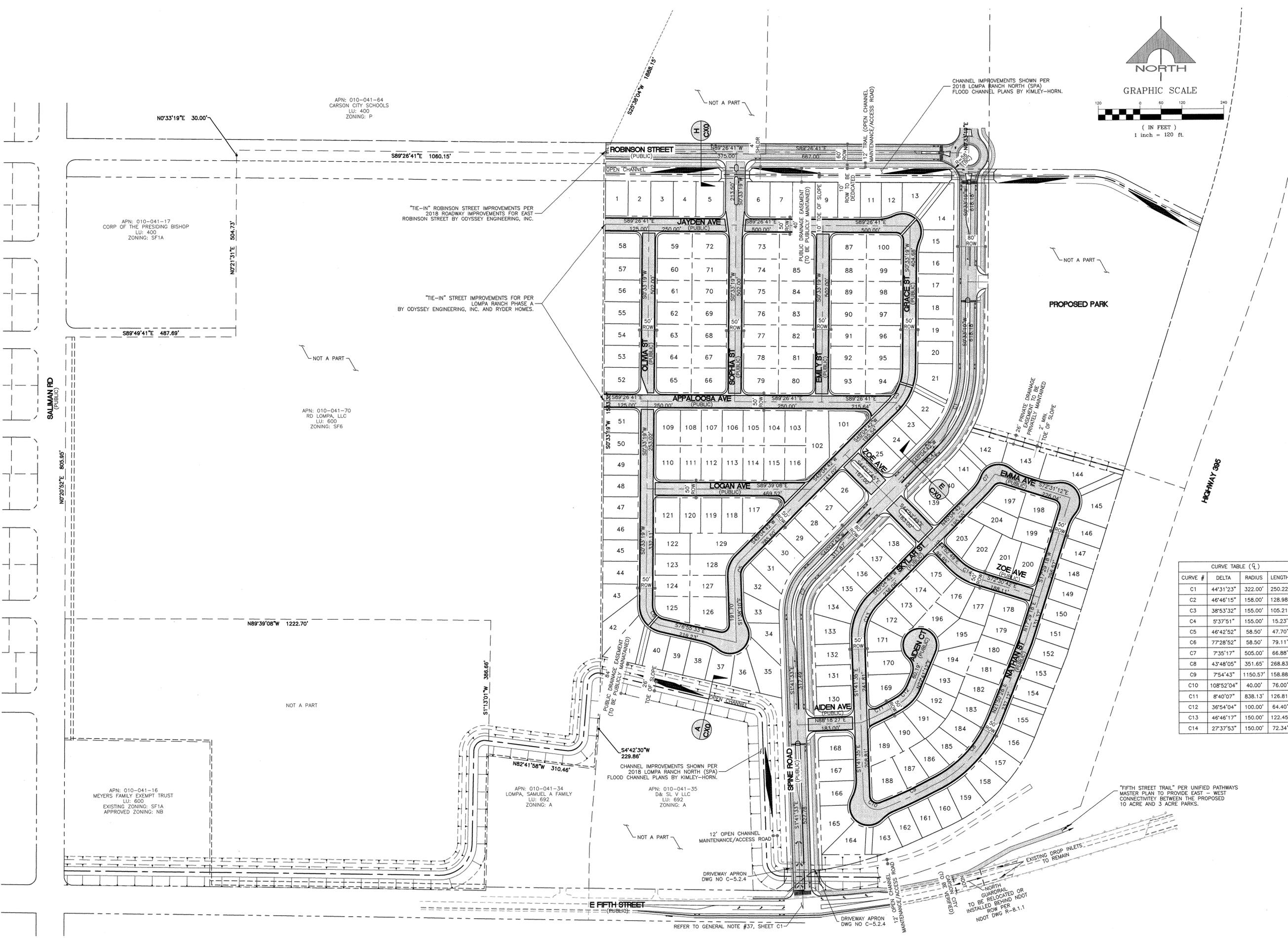


**CLIENT:**  
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 439 PLUMB LANE  
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**OVERALL SITE PLAN**  
 BLACKSTONE RANCH - PHASE 2  
 CARSON CITY, NEVADA

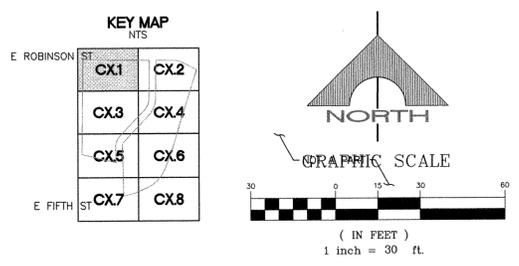
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DATE	2018 08 13



**CURVE TABLE (ft)**

CURVE #	DELTA	RADIUS	LENGTH
C1	44°31'23"	322.00'	250.22'
C2	46°46'15"	158.00'	128.98'
C3	38°53'32"	155.00'	105.21'
C4	5°37'51"	155.00'	15.23'
C5	46°42'52"	58.50'	47.70'
C6	77°28'52"	58.50'	79.11'
C7	7°35'17"	505.00'	66.88'
C8	43°48'05"	351.65'	268.83'
C9	7°54'43"	1150.57'	158.88'
C10	108°52'04"	40.00'	76.00'
C11	8°40'07"	838.13'	126.81'
C12	36°54'04"	100.00'	64.40'
C13	46°46'17"	150.00'	122.45'
C14	27°37'53"	150.00'	72.34'

REFER TO GENERAL NOTE #37, SHEET C1



NOTE: REFER TO SHEET CS2 FOR C CURVE TABLE

CHANNEL IMPROVEMENTS SHOWN PER 2018 LOMPA RANCH NORTH (SPA) FLOOD CHANNEL PLANS BY KIMLEY-HORN.

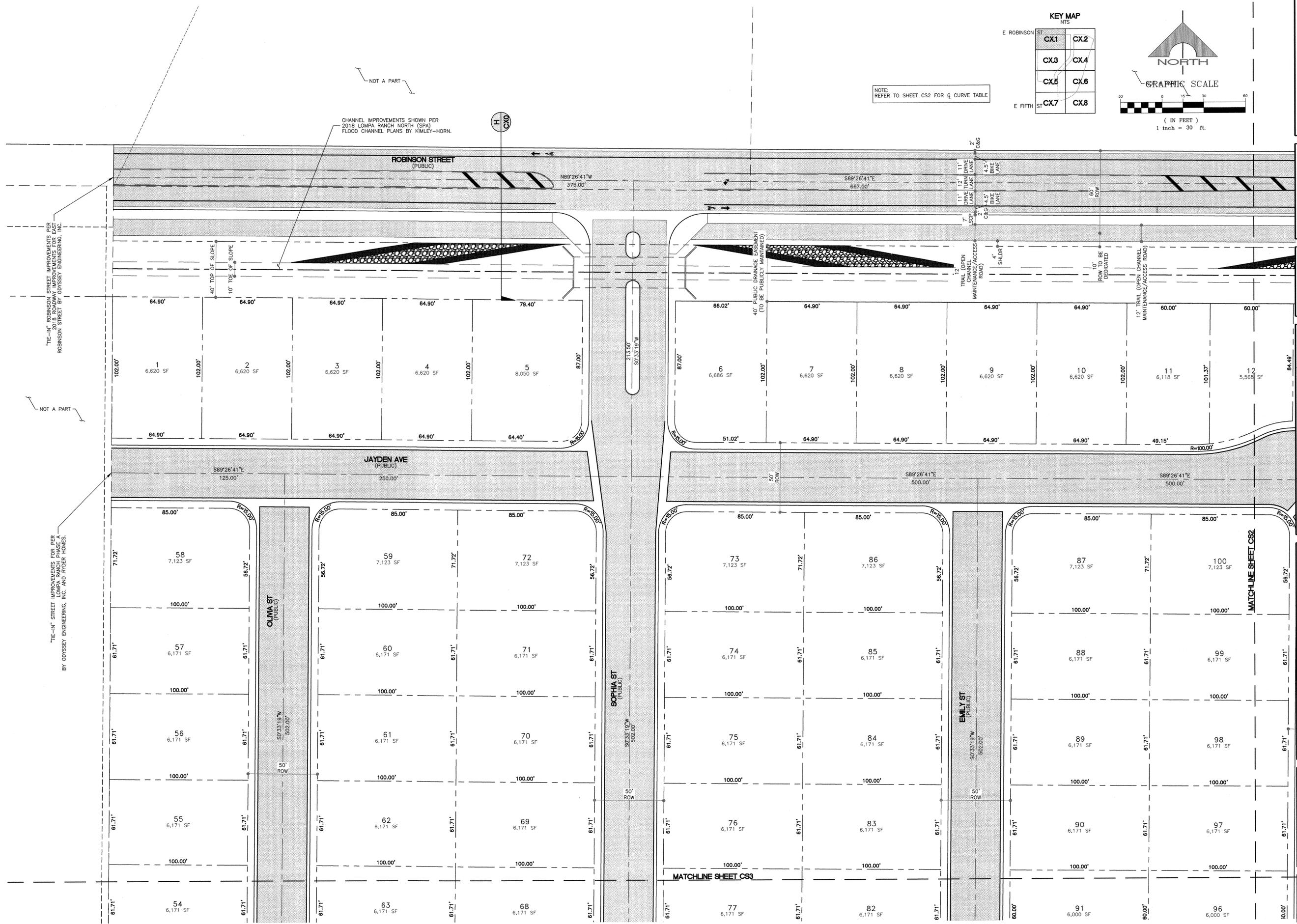
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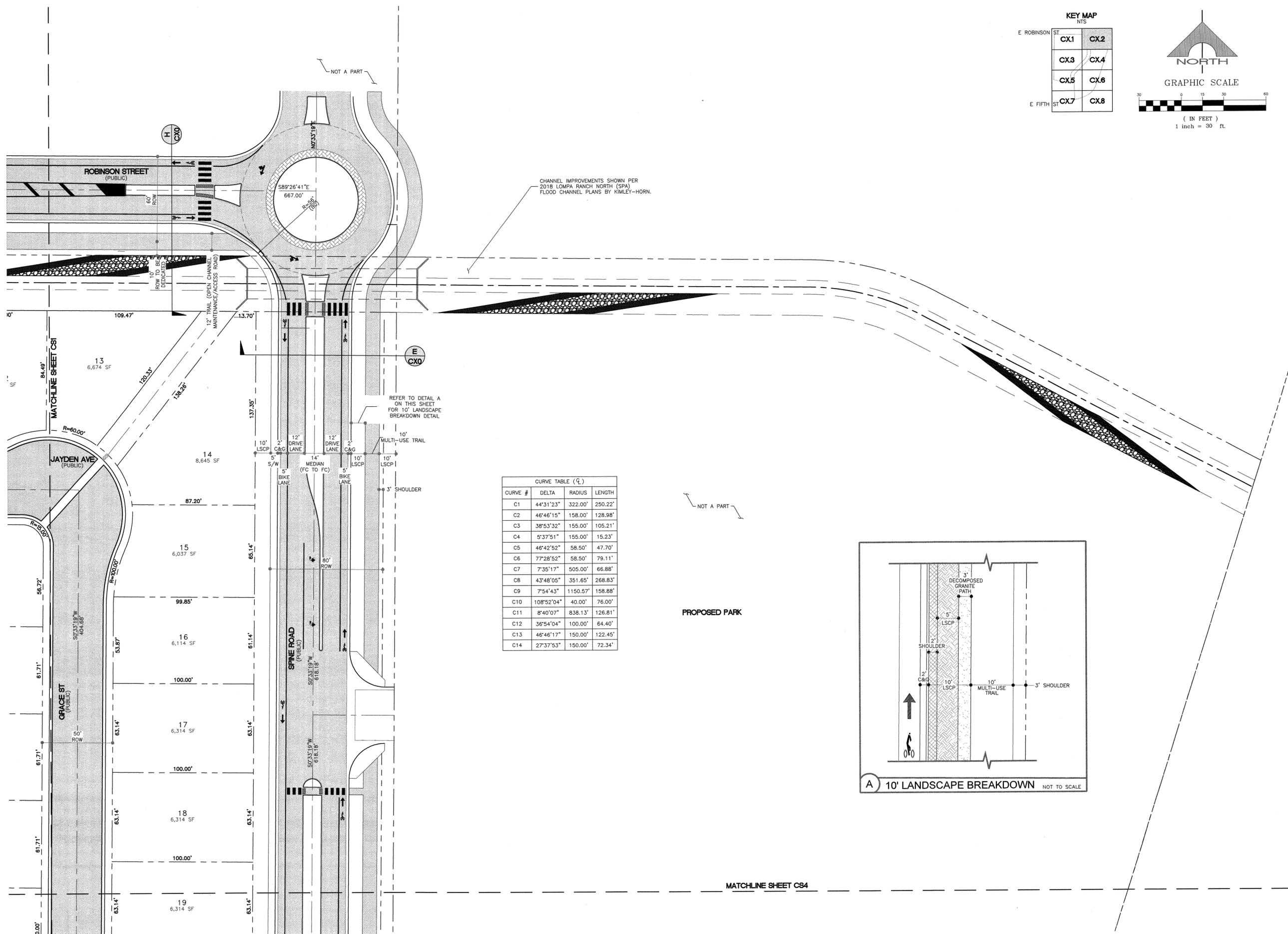
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**SITE PLAN (1 OF 8)**  
 BLACKSTONE RANCH - PHASE 2  
 CARSON CITY NEVADA

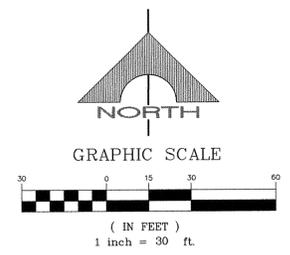
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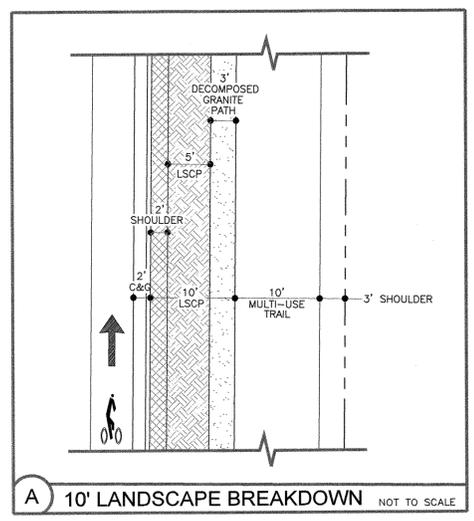
KEY MAP

E ROBINSON ST	CX1	CX2
	CX3	CX4
	CX5	CX6
E FIFTH ST	CX7	CX8



CURVE TABLE (C)

CURVE #	DELTA	RADIUS	LENGTH
C1	44°31'23"	322.00'	250.22'
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**SITE PLAN (2 OF 8)**

**BLACKSTONE RANCH - PHASE 2**

CARSON CITY NEVADA

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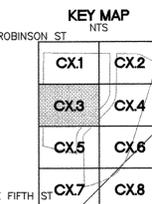
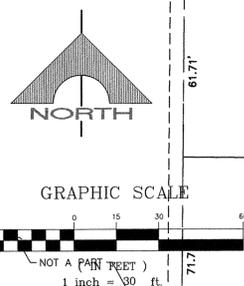
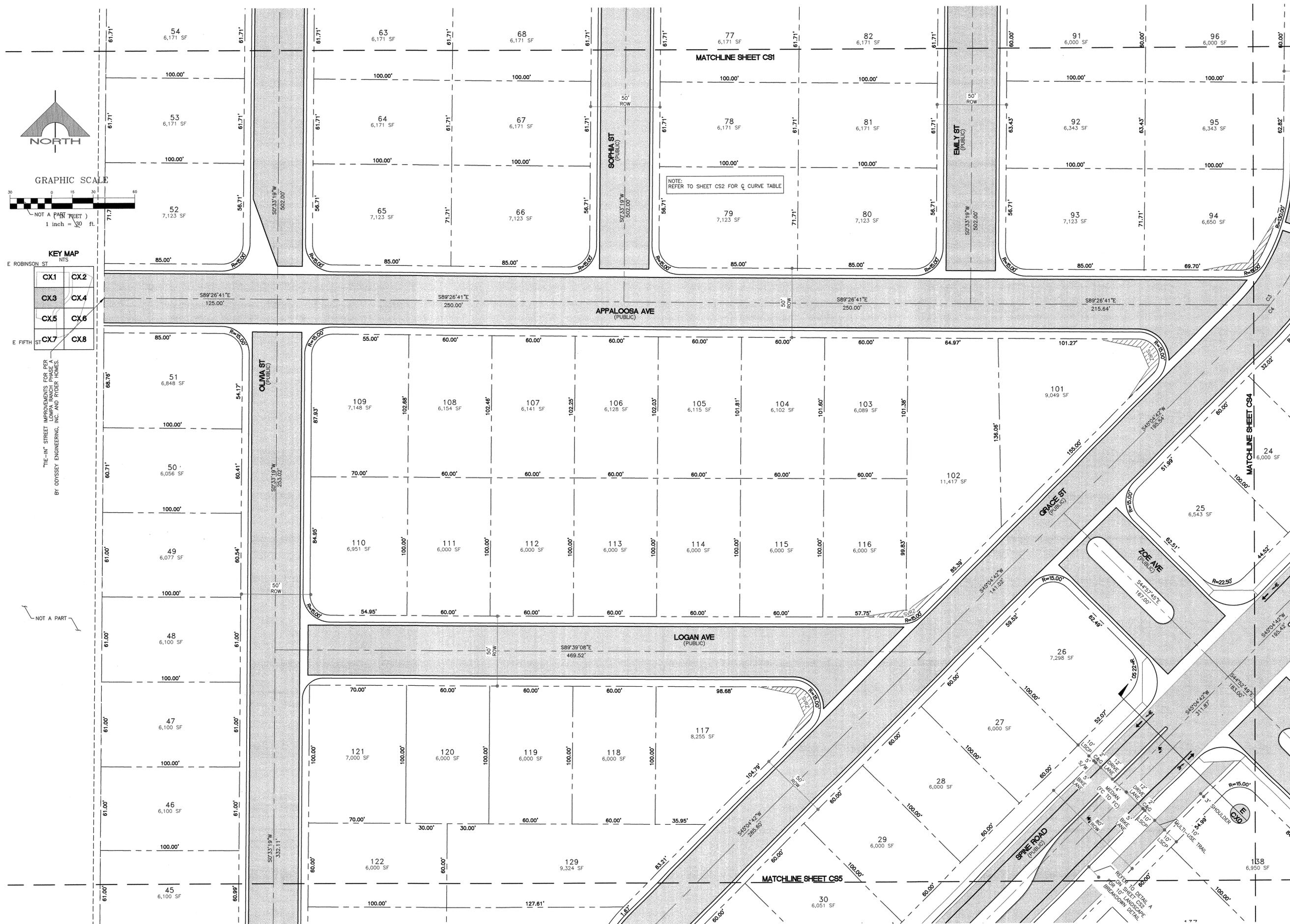


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**SITE PLAN (3 OF 8)**  
**BLACKSTONE RANCH - PHASE 2**  
CARSON CITY, NEVADA

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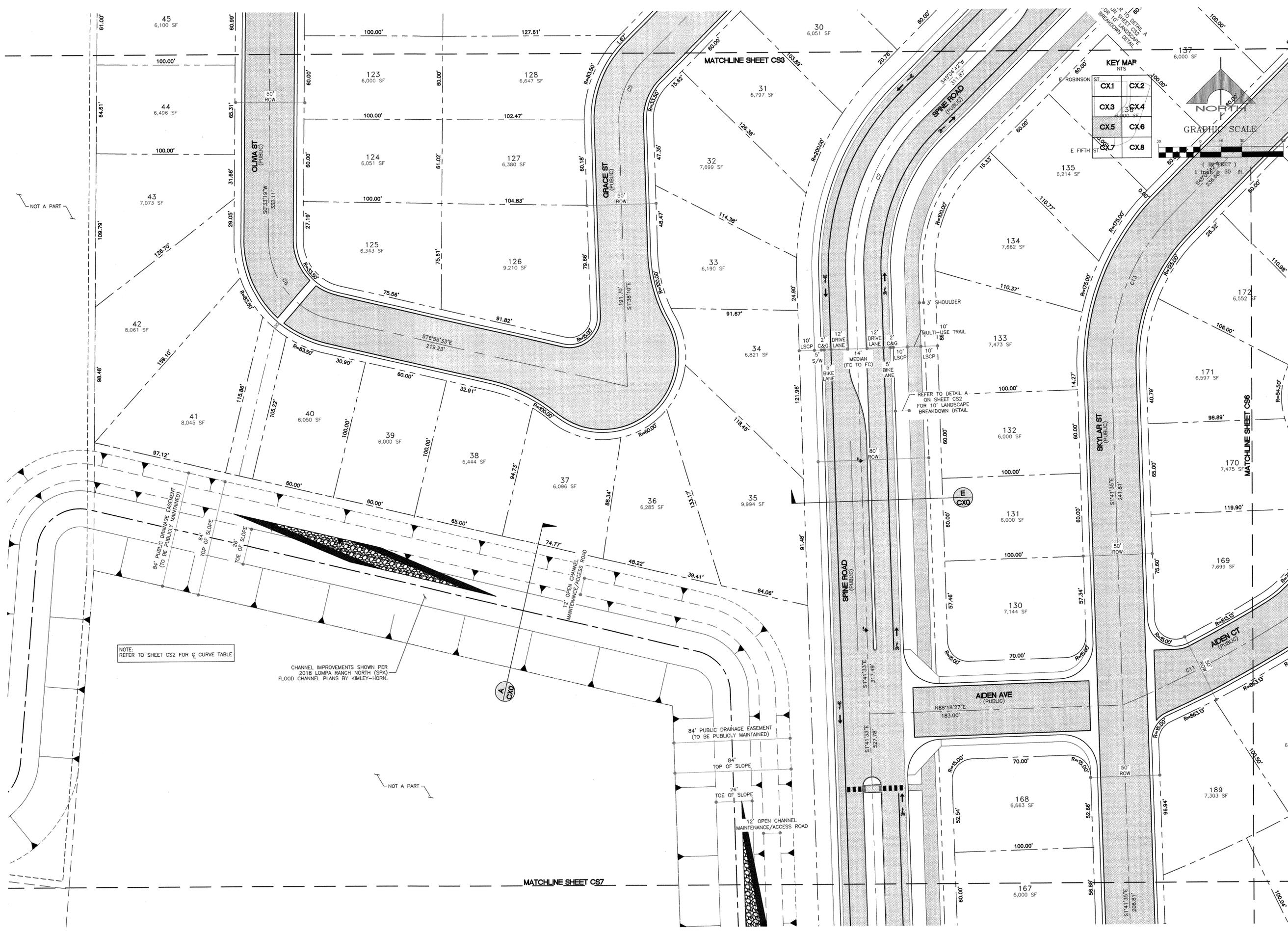
"TIE-IN" STREET IMPROVEMENTS FOR THE LOMPA RANCH PHASE A BY ODYSSEY ENGINEERING, INC. AND RYDER HOMES.

NOT A PART

NOTE: REFER TO SHEET CS2 FOR C CURVE TABLE

REFER TO DETAIL A FOR 10' TO 12' DRAIN LANE BREAKDOWN DETAIL





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**SITE PLAN (5 OF 8)**  
**BLACKSTONE RANCH - PHASE 2**  
 CARSON CITY NEVADA

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NOTE: REFER TO SHEET CS2 FOR  $\phi$  CURVE TABLE

CHANNEL IMPROVEMENTS SHOWN PER 2018 LOMPA RANCH NORTH (SPA) FLOOD CHANNEL PLANS BY KIMLEY-HORN.

NOT A PART

NOT A PART

REFER TO DETAIL A ON SHEET CS2 FOR 10' LANDSCAPE BREAKDOWN DETAIL



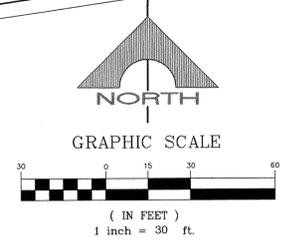
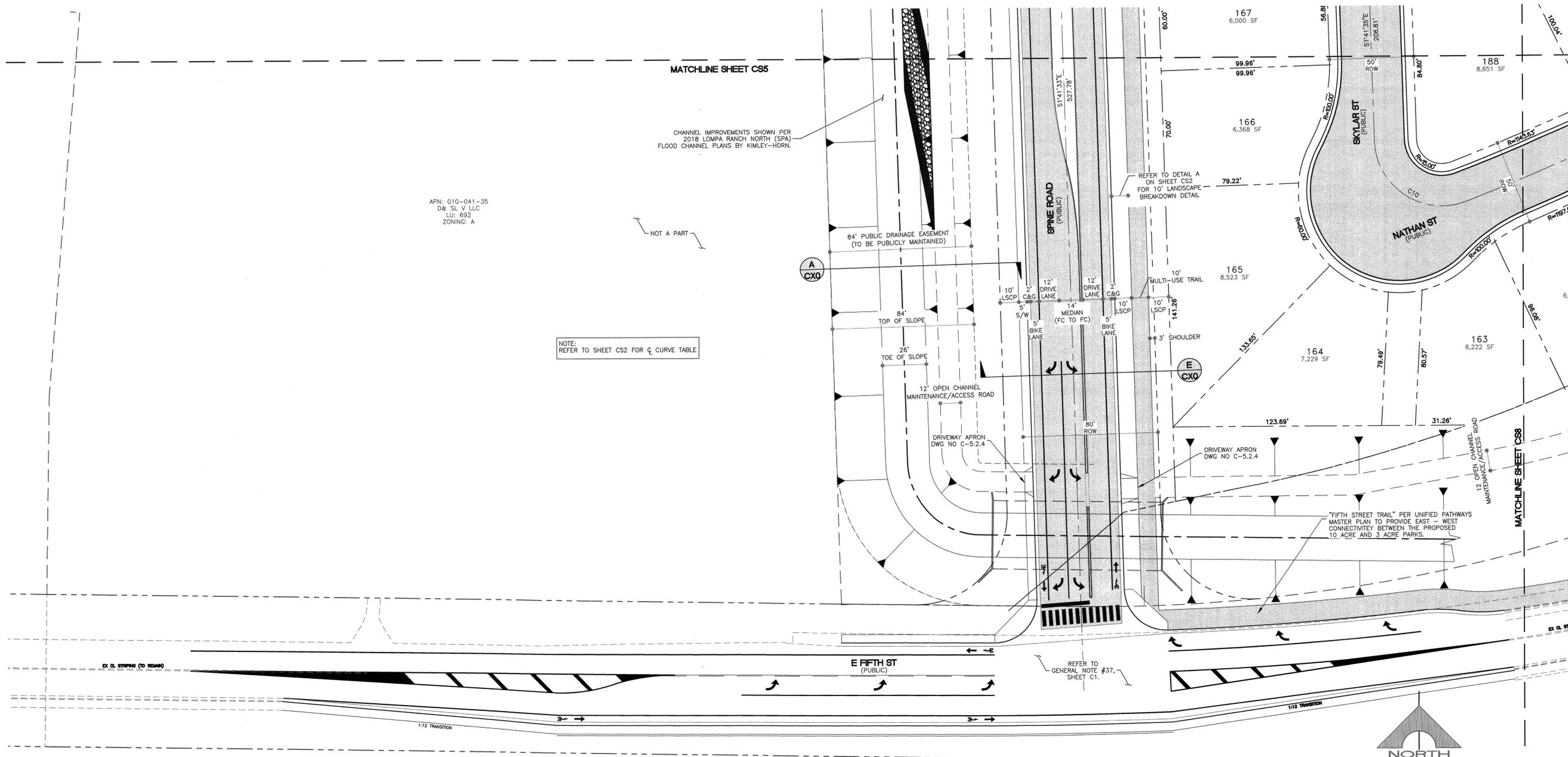


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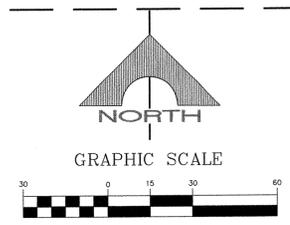
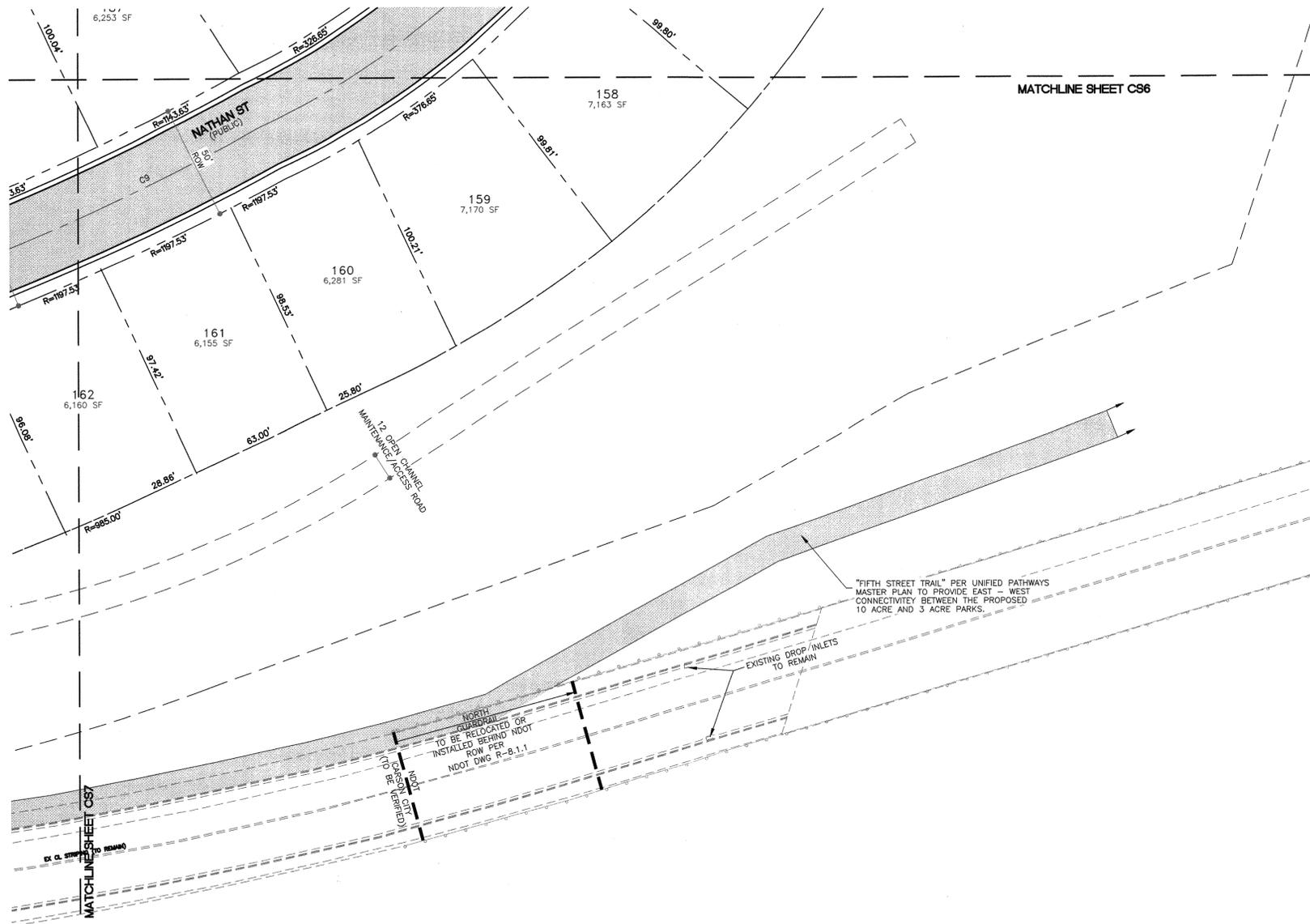
**SITE PLAN (7 OF 8)**  
**BLACKSTONE RANCH - PHASE 2**  
NEVADA  
CARSON CITY

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**KEY MAP**  
NTS

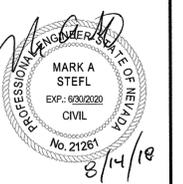
E ROBINSON ST.	CX.1	CX.2
	CX.3	CX.4
	CX.5	CX.6
E FIFTH ST.	CX.7	CX.8



**KEY MAP**  
NTS

E ROBINSON ST	CX.1	CX.2
	CX.3	CX.4
	CX.5	CX.6
E FIFTH ST	CX.7	CX.8

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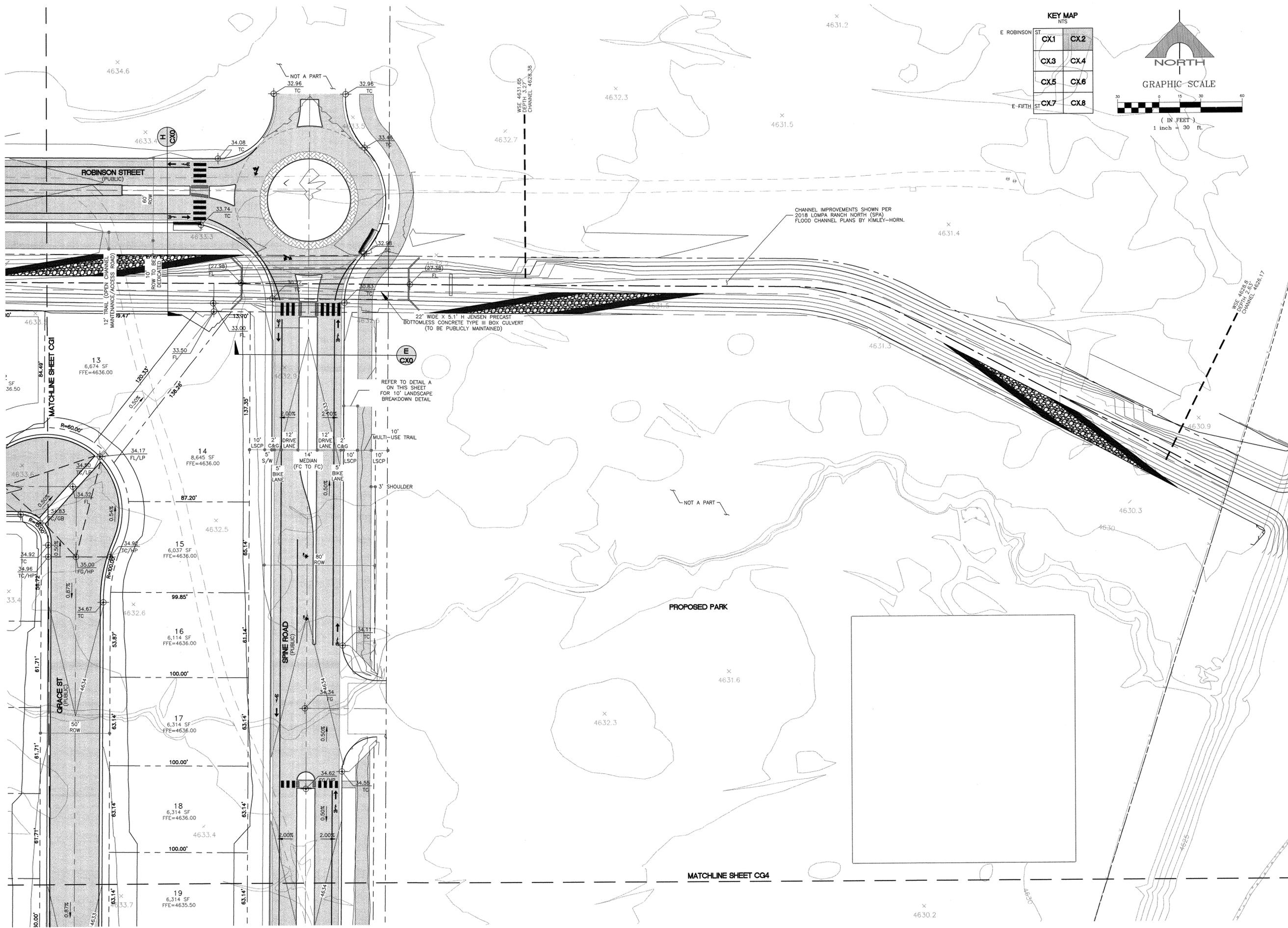
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**SITE PLAN (8 OF 8)**  
**BLACKSTONE RANCH - PHASE 2**  
CARSON CITY, NEVADA

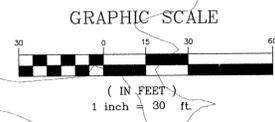
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KEY MAP  
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ST. CX.1	CX.2
CX.3	CX.4
CX.5	CX.6
ST. CX.7	CX.8



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**GRADING PLAN (2 OF 8)**

**BLACKSTONE RANCH - PHASE 2**

CARBON CITY, NEVADA

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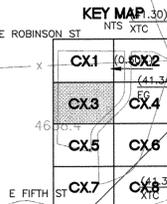
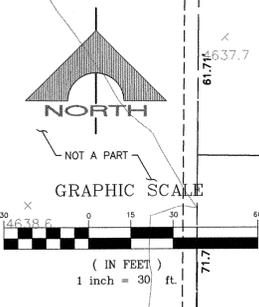
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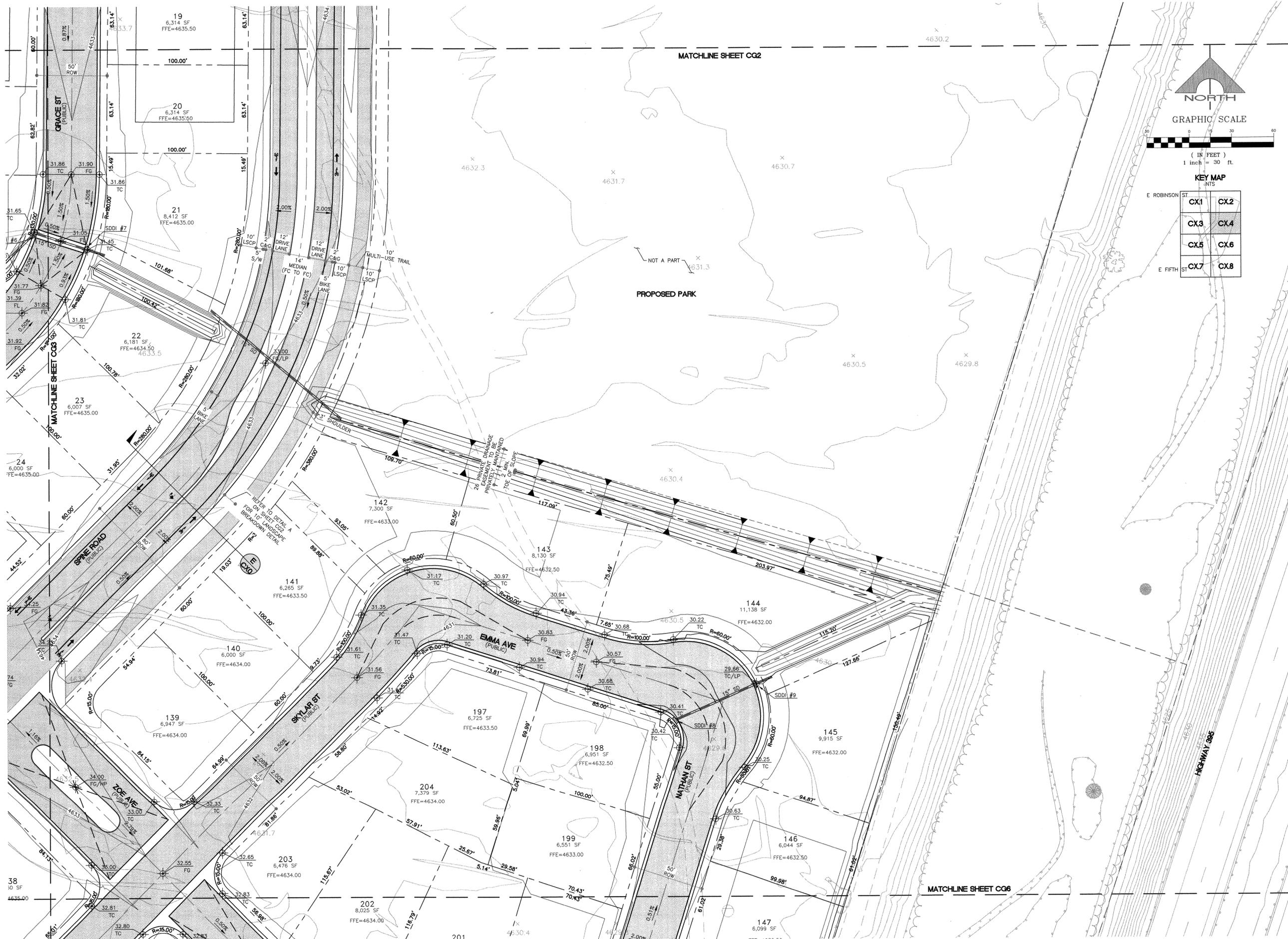
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**GRADING PLAN (3 OF 8)**  
**BLACKSTONE RANCH - PHASE 2**  
 CARSON CITY, NEVADA

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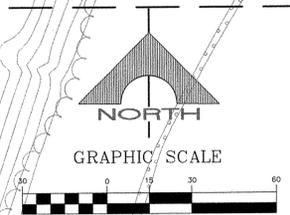
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**KEY MAP**

NTS

CX1	CX2
CX3	CX4
CX5	CX6
CX7	CX8

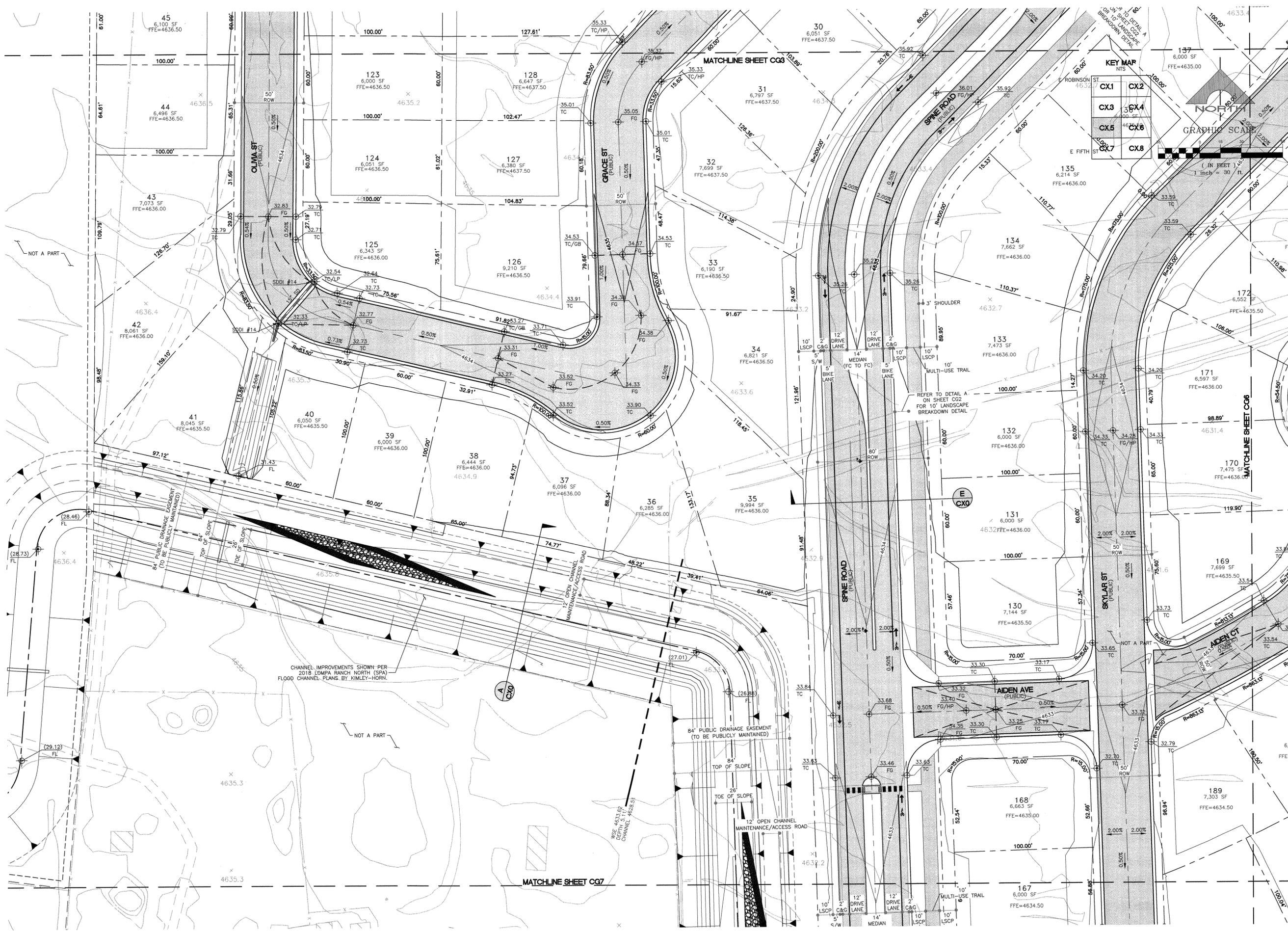
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**GRADING PLAN (4 OF 8)**

**BLACKSTONE RANCH - PHASE 2**

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No. 21261

8/14/18

**CLIENT:**  
BLACKSTONE DEVELOPMENT GROUP  
439 PLUMB LANE  
RENO, NV 89509  
CONTACT: JOSHUA MYERS  
PHONE: (775) 352-4200

DATE	NO.	REVISIONS	APPROVED

**GRADING PLAN (5 OF 8)**

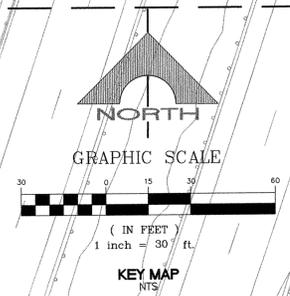
**BLACKSTONE RANCH - PHASE 2**

NEVADA  
CARSON CITY

PC JOB NO.	EN59-01
DESIGNED BY	ACI/MS
DRAWN BY	MS
CHECKED BY	SD
DATE	2016 08 13



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 D | DEVELOPMENT



**KEY MAP**  
 NTS

CX1	CX2
CX3	CX4
CX5	CX6
CX7	CX8

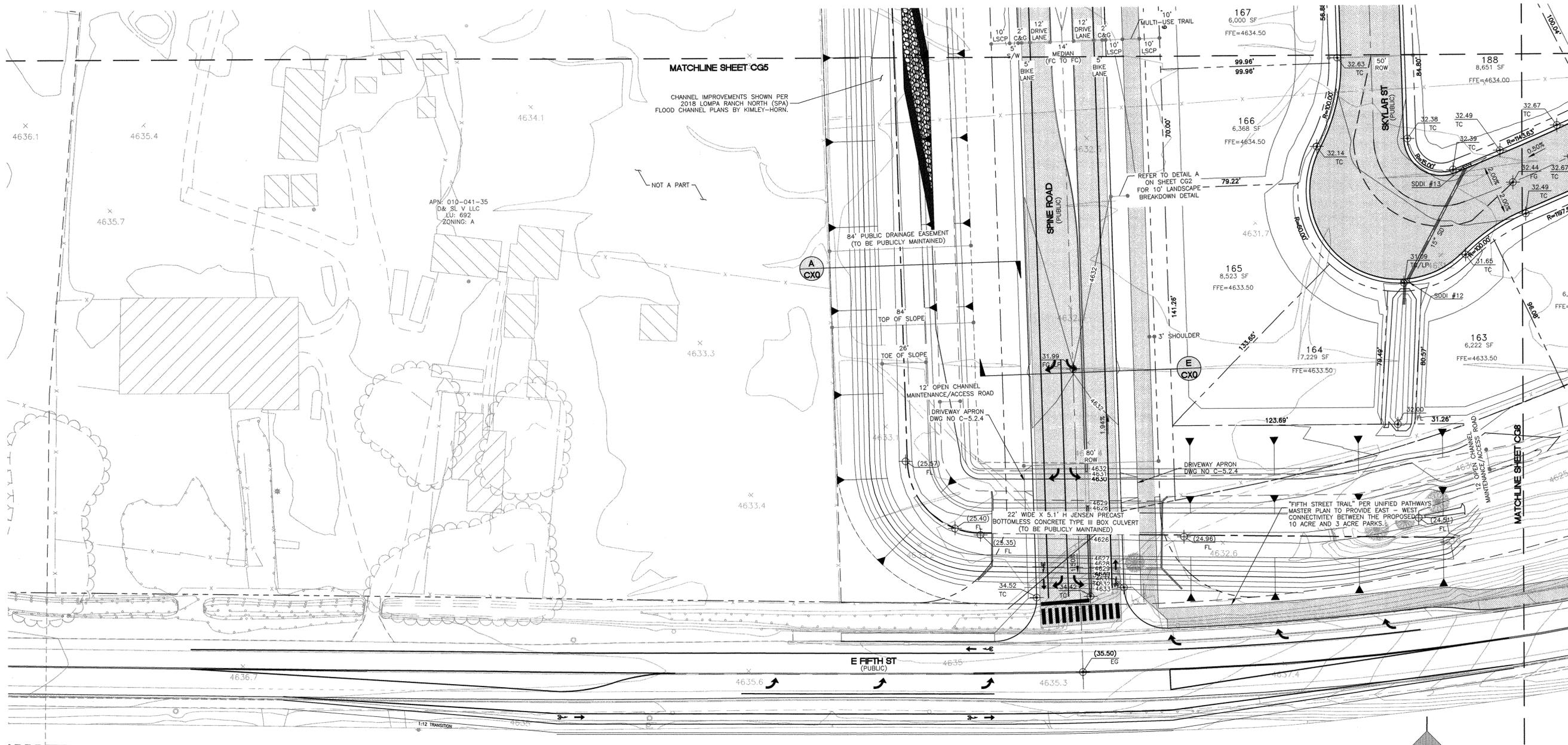


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 RENO, NV 89509  
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 PHONE: (775) 352-4200

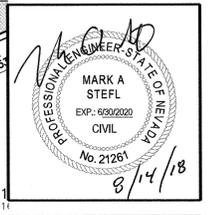
DATE	NO.	REVISIONS	APPROVED

**GRADING PLAN (6 OF 8)**  
 BLACKSTONE RANCH - PHASE 2  
 CARSON CITY, NEVADA

PG. JOB NO.	ENG-311
DESIGNED BY	ACI/EMS
DRAWN BY	MS
CHECKED BY	SD
DATE	2016 08 13

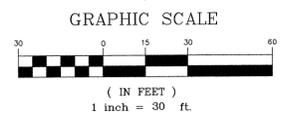


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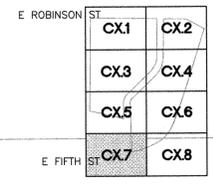


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DATE	NO.	REVISIONS	APPROVED

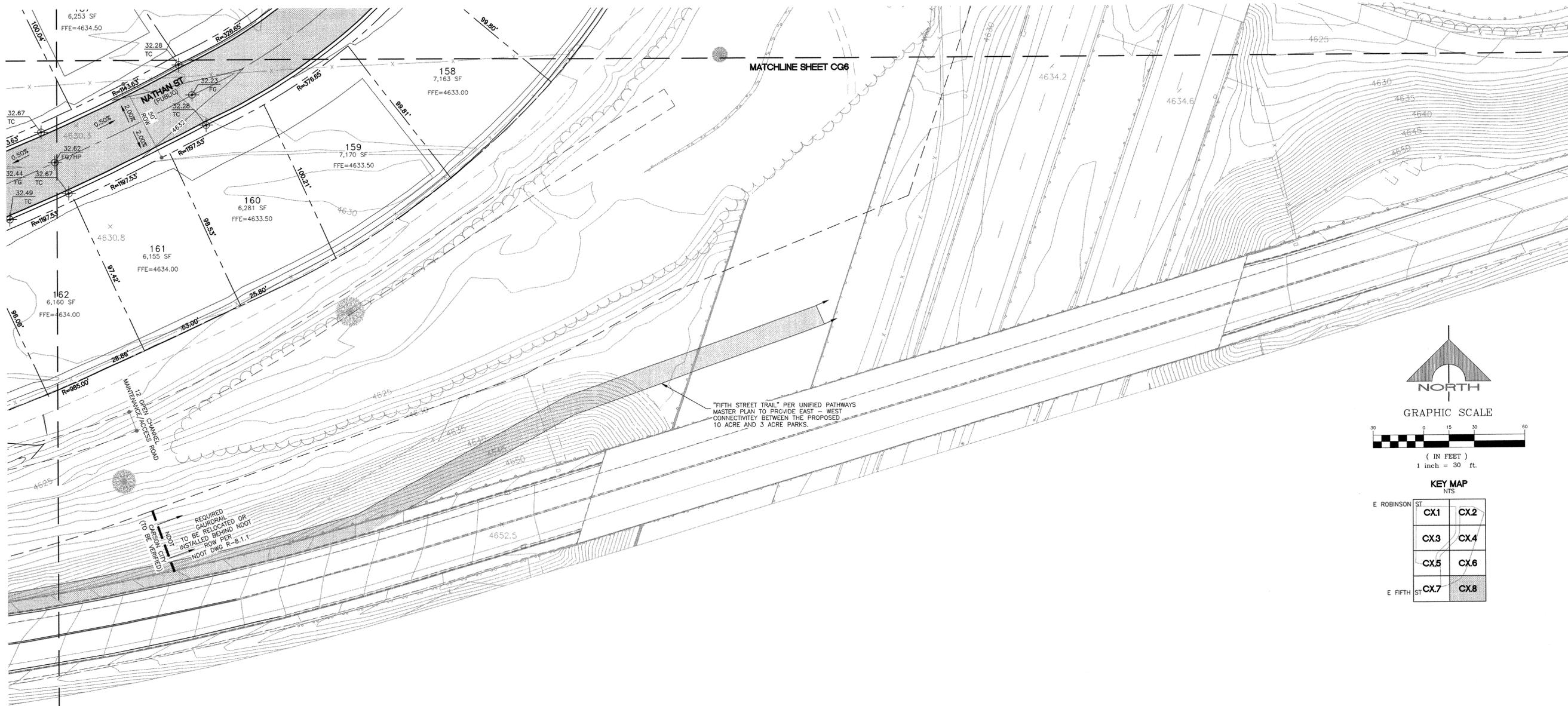


**KEY MAP**  
 NTS



**GRADING PLAN (7 OF 8)**  
**BLACKSTONE RANCH - PHASE 2**  
 CARSON CITY, NEVADA

PC JOB NO. EN58-311  
 DESIGNED BY AC/EL/MS  
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 CHECKED BY SD  
 DATE 2018 06 13



MATCHLINE SHEET CG6

MATCHLINE SHEET CG7

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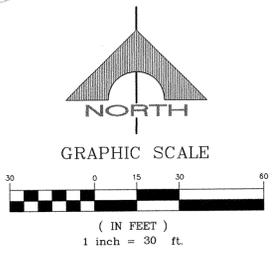
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D | DEVELOPMENT

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MARK A STEFL  
CIVIL  
EXP. 9/30/2020  
No. 21261  
8/14/18

**CLIENT:**  
BLACKSTONE DEVELOPMENT GROUP  
439 PLUMB LANE  
RENO, NV 89509  
CONTACT: JOSHUA MYERS  
PHONE: (775) 352-4200



**KEY MAP**  
NTS

E ROBINSON ST.	CX.1	CX.2
	CX.3	CX.4
	CX.5	CX.6
E FIFTH ST.	CX.7	CX.8

DATE	NO.	REVISIONS	APPROVED

**GRADING PLAN (8 OF 8)**

**BLACKSTONE RANCH - PHASE 2**

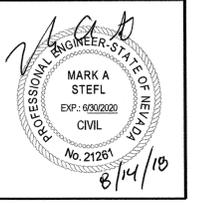
NEVADA  
CARSON CITY

PG. JOB NO.	EN59-311
DESIGNED BY	AC/EL/MS
DRAWN BY	MS
CHECKED BY	SD
DATE	2018 08 13



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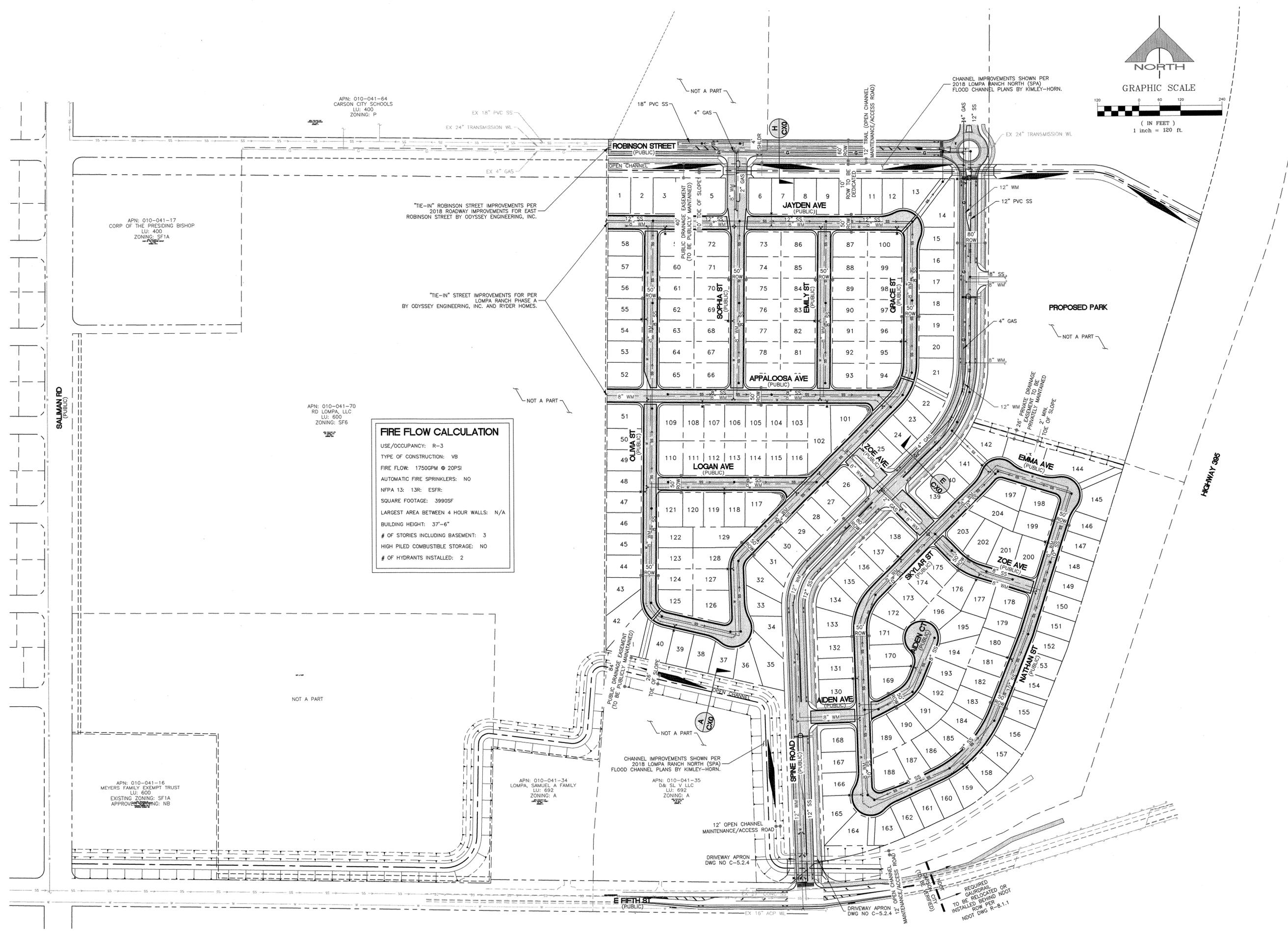


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 RENO, NV 89509  
 CONTACT: JOSHUA MYERS  
 PHONE: (775) 352-4200

APPROVED	REVISIONS	DATE	NO.

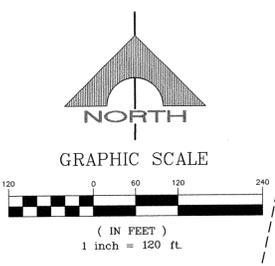
**OVERALL UTILITY PLAN**  
 BLACKSTONE RANCH - PHASE 2  
 CARSON CITY, NEVADA

PG. JOB NO.	EN09-311
DESIGNED BY	AC/EL/MS
DRAWN BY	MS
CHECKED BY	SD
DATE	2018 08 13



**FIRE FLOW CALCULATION**

USE/OCCUPANCY: R-3  
 TYPE OF CONSTRUCTION: VB  
 FIRE FLOW: 1750GPM @ 20PSI  
 AUTOMATIC FIRE SPRINKLERS: NO  
 NFPA 13: 13R: ESFR:  
 SQUARE FOOTAGE: 3990SF  
 LARGEST AREA BETWEEN 4 HOUR WALLS: N/A  
 BUILDING HEIGHT: 37'-6"  
 # OF STORIES INCLUDING BASEMENT: 3  
 HIGH PILED COMBUSTIBLE STORAGE: NO  
 # OF HYDRANTS INSTALLED: 2



APN: 010-041-64  
 CARSON CITY SCHOOLS  
 LU: 400  
 ZONING: P

APN: 010-041-17  
 CORP OF THE PRESIDING BISHOP  
 LU: 400  
 ZONING: SF1A

APN: 010-041-70  
 RD LOMPA, LLC  
 LU: 600  
 ZONING: SF6

"TIE-IN" ROBINSON STREET IMPROVEMENTS PER  
 2018 ROADWAY IMPROVEMENTS FOR EAST  
 ROBINSON STREET BY ODYSSEY ENGINEERING, INC.

"TIE-IN" STREET IMPROVEMENTS FOR PER  
 LOMPA RANCH PHASE A  
 BY ODYSSEY ENGINEERING, INC. AND RYDER HOMES.

CHANNEL IMPROVEMENTS SHOWN PER  
 2018 LOMPA RANCH NORTH (SPA)  
 FLOOD CHANNEL PLANS BY KIMLEY-HORN.

APN: 010-041-35  
 D & S L V LLC  
 LU: 692  
 ZONING: A

APN: 010-041-34  
 LOMPA, SAMUEL A FAMILY  
 LU: 692  
 ZONING: A

APN: 010-041-16  
 MEYERS FAMILY EXEMPT TRUST  
 LU: 600  
 EXISTING ZONING: SF1A  
 APPROVED ZONING: NB

CHANNEL IMPROVEMENTS SHOWN PER  
 2018 LOMPA RANCH NORTH (SPA)  
 FLOOD CHANNEL PLANS BY KIMLEY-HORN.

REQUIRED  
 GALVANNEAL OR  
 TO BE RECORDED OR  
 INSTALLED BEHIND NDOT  
 ROW PER  
 NDOT DWG R-8.1.1

**KEY MAP**  
 NTS

CX.1	CX.2
CX.3	CX.4
CX.5	CX.6
CX.7	CX.8

**NORTH**  
 GRAPHIC SCALE  
 ( IN FEET )  
 1 inch = 30 ft.

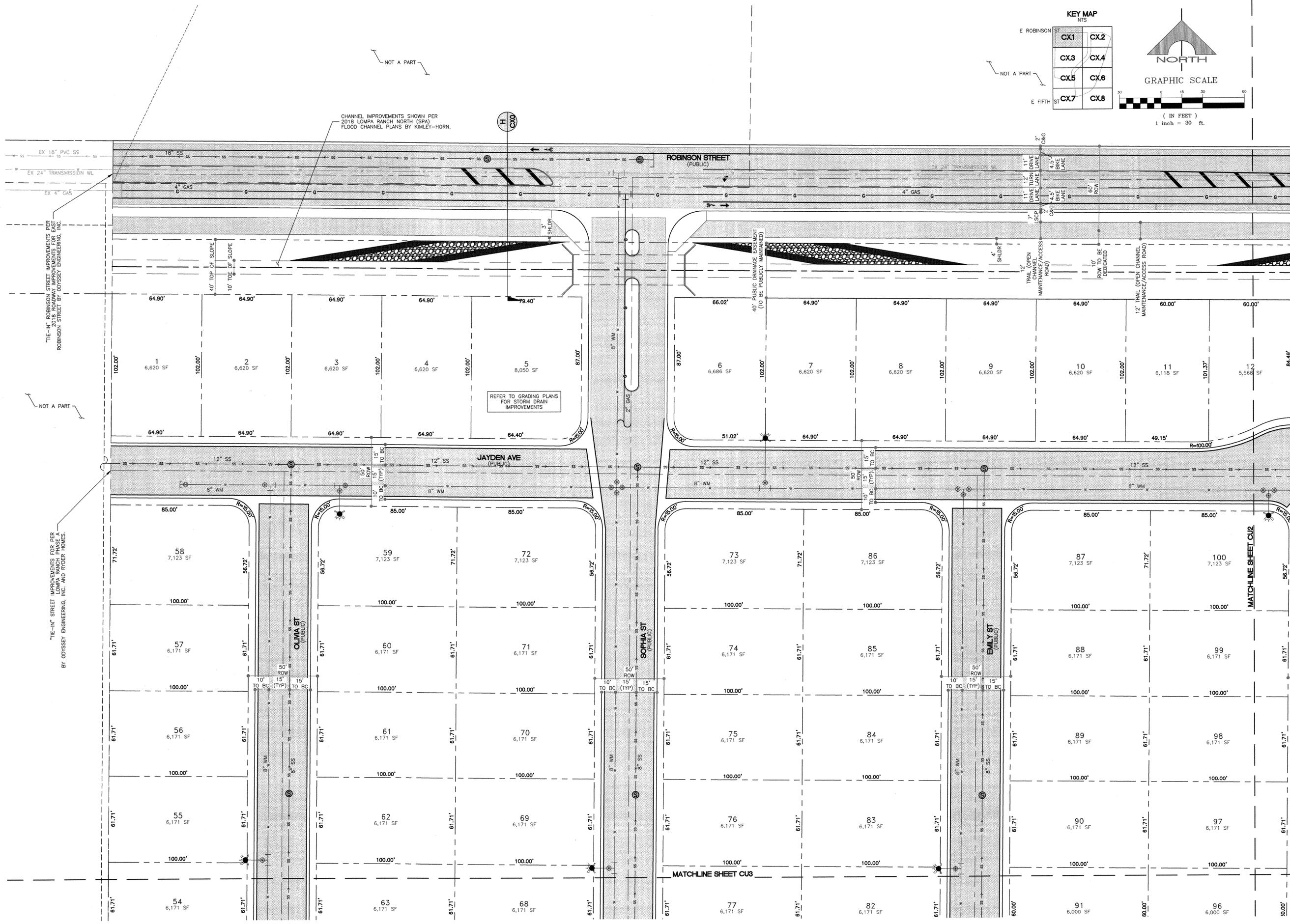


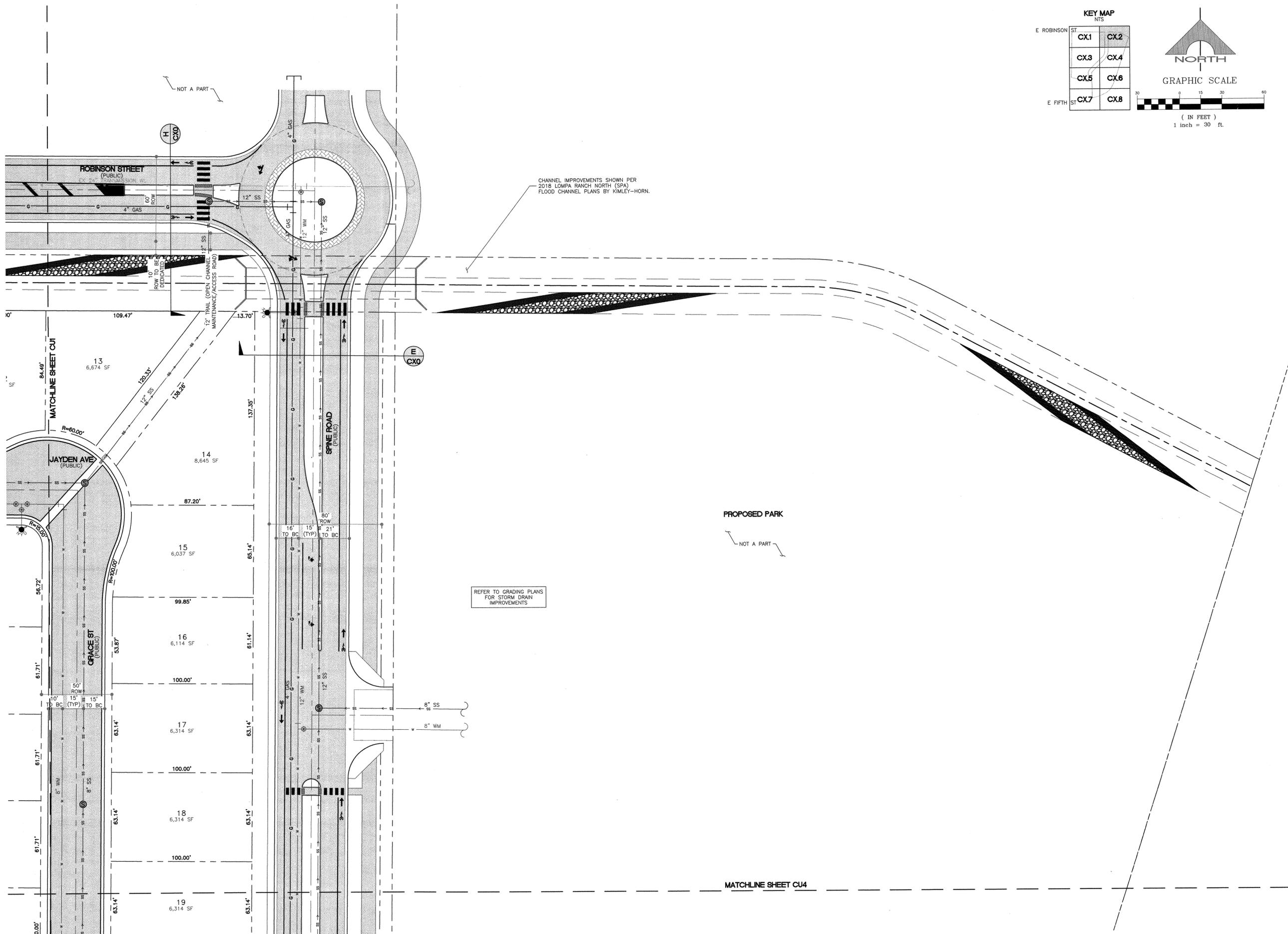
**CLIENT:**  
 BLACKSTONE DEVELOPMENT GROUP  
 439 PLUMB LANE  
 RENO, NV 89509  
 CONTACT: JOSHUA MYERS  
 PHONE: (775) 352-4200

DATE	NO.	REVISIONS	APPROVED

**UTILITY PLAN (1 OF 8)**  
 BLACKSTONE RANCH - PHASE 2  
 CARSON CITY, NEVADA

POI JOB NO.	EN189-311
DESIGNED BY	AC/EL/MS
DRAWN BY	MS
CHECKED BY	SD
DATE	2018 08 13





**KEY MAP**

E ROBINSON ST	CX.1	CX.2
	CX.3	CX.4
	CX.5	CX.6
E FIFTH ST	CX.7	CX.8

**NORTH**

GRAPHIC SCALE

( IN FEET )

1 inch = 30 ft.

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PROFESSIONAL ENGINEER STATE OF NEVADA

MARK A STEFL

EXP. 6/30/2020

CIVIL

No. 21261

8/14/18

**CLIENT:**  
BLACKSTONE DEVELOPMENT GROUP  
439 PLUMB LANE  
RENO, NV 89509  
CONTACT: JOSHUA MYERS  
PHONE: (775) 352-4200

DATE	NO.	REVISIONS	APPROVED

**UTILITY PLAN (2 OF 8)**

**BLACKSTONE RANCH - PHASE 2**

NEVADA

CARSON CITY

PG. JOB NO.	EN189-311
DESIGNED BY	AC/EL/MS
DRAWN BY	MS
CHECKED BY	SD
DATE	2018 06 13

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CIVIL  
No. 21261  
8/14/18

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CONTACT: JOSHUA MYERS  
PHONE: (775) 352-4200

DATE	NO.	REVISIONS	APPROVED

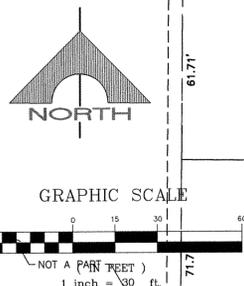
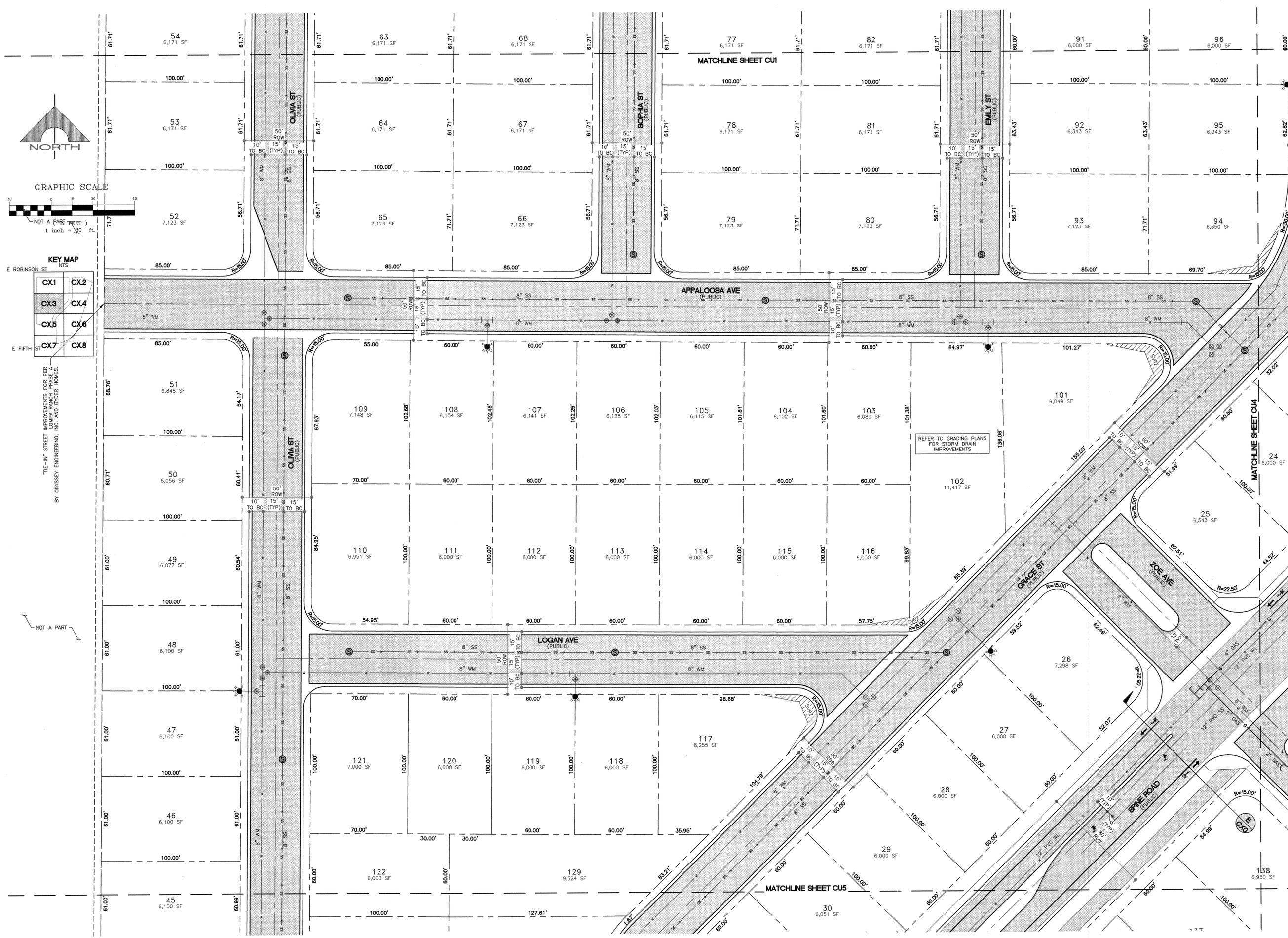
**UTILITY PLAN (3 OF 8)**

**BLACKSTONE RANCH - PHASE 2**

CARSON CITY, NEVADA

PG. JOB NO.	ENR35-311
DESIGNED BY	AC/EL/MS
DRAWN BY	MS
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DATE	2018 08 13

**SHT CU3** 24 of 33



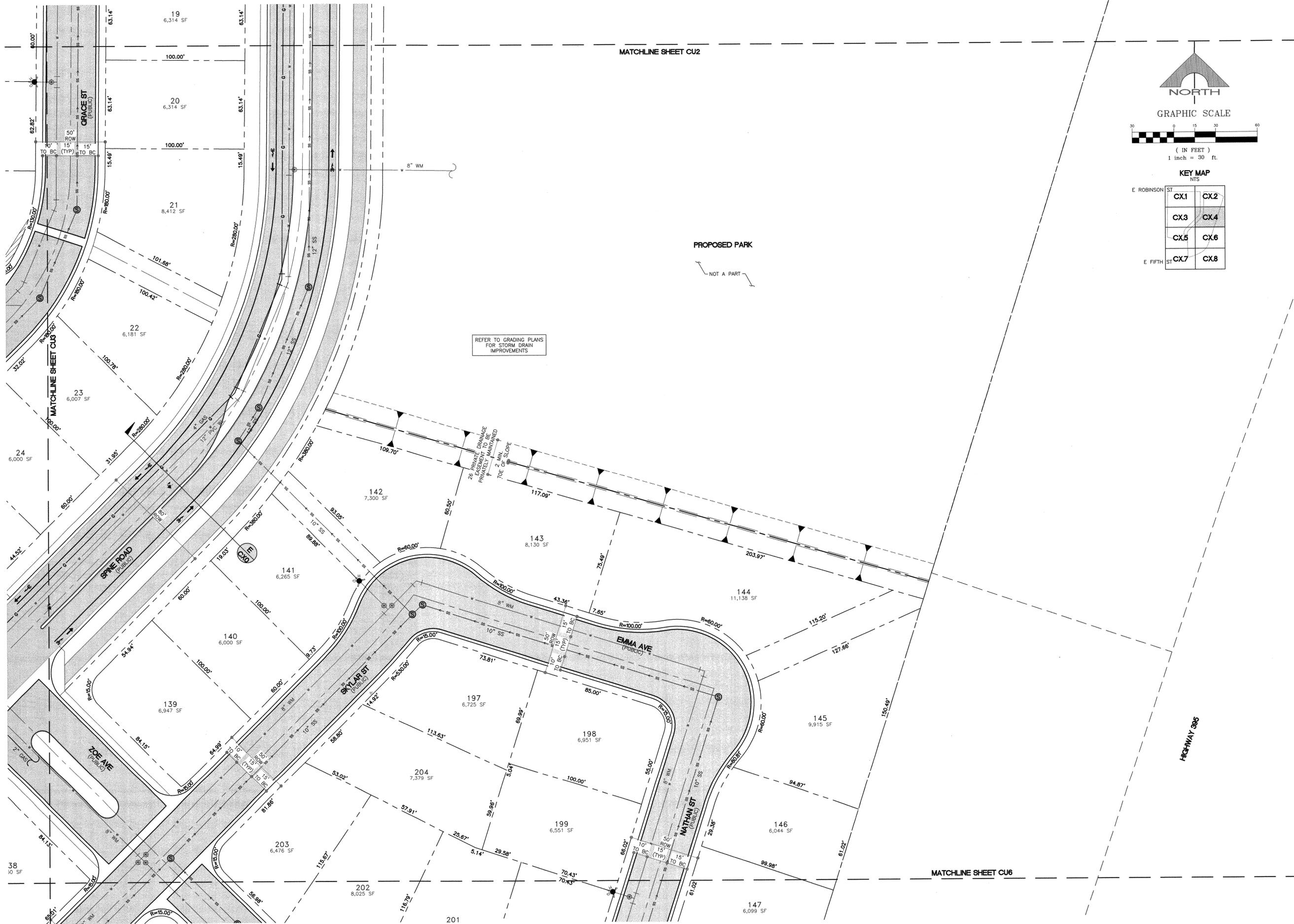
**KEY MAP**

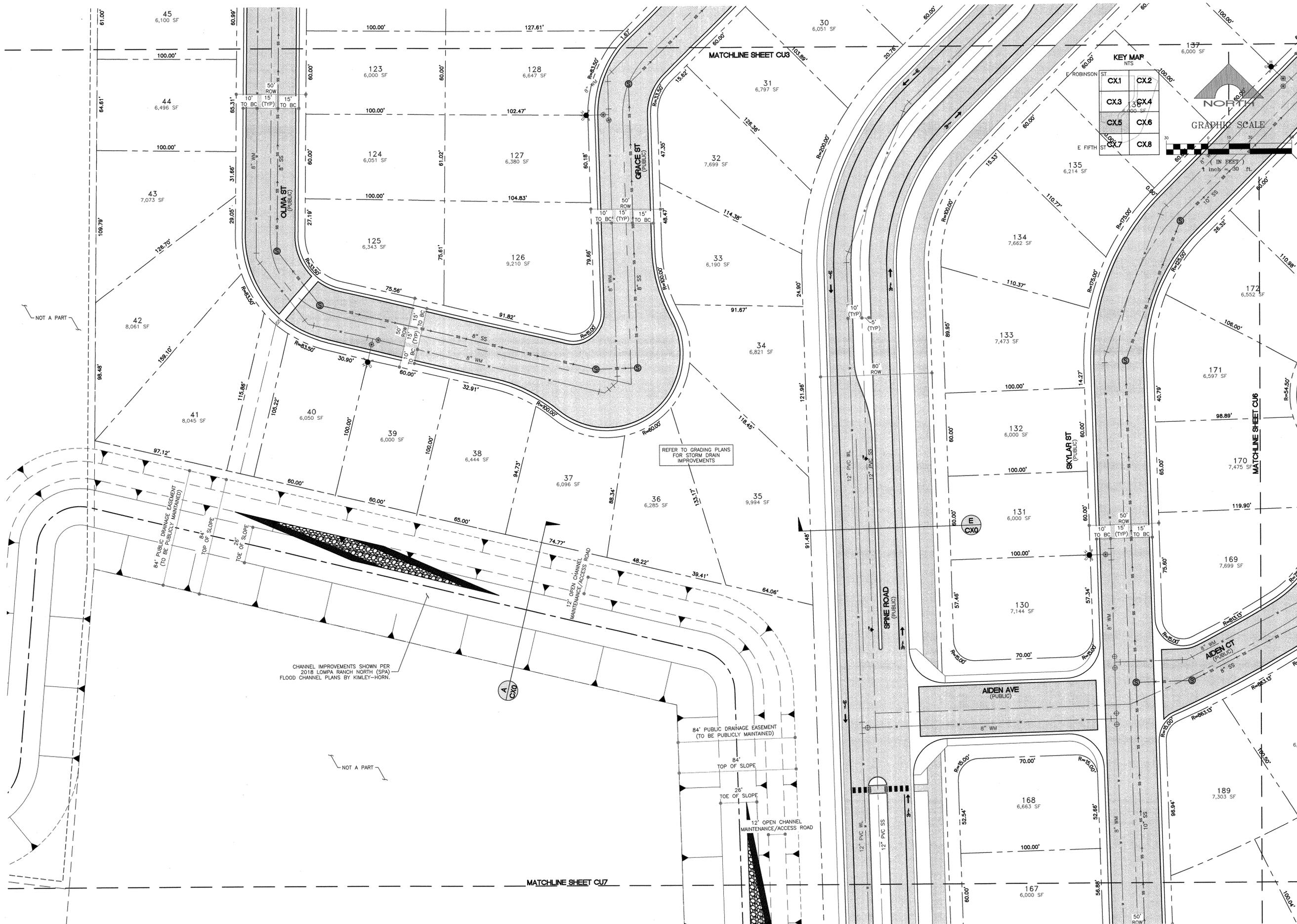
CX1	CX2
CX3	CX4
CX5	CX6
CX7	CX8

"TIE-IN" STREET IMPROVEMENTS FOR PER. A LOMPA RANCH PHASE A BY ODYSSEY ENGINEERING, INC. AND RYDER HOMES.

NOT A PART

NOT A PART





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 EXP. 62022020  
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 No. 21261  
 3/14/18

**CLIENT:**  
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 CONTACT: JOSHUA MYERS  
 PHONE: (775) 352-4200

DATE	NO.	REVISIONS	APPROVED

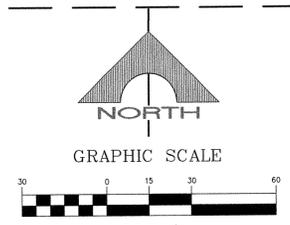
**UTILITY PLAN (5 OF 8)**  
 BLACKSTONE RANCH - PHASE 2  
 CARSON CITY, NEVADA

PL. JOB NO.	ENR-311
DESIGNED BY	AC/EL/MS
DRAWN BY	MS
CHECKED BY	SD
DATE	2016 06 13



MATCHLINE SHEET CU4

MATCHLINE SHEET CU8



KEY MAP  
NTS

E ROBINSON ST	CX1	CX2
	CX3	CX4
	CX5	CX6
E FIFTH ST	CX7	CX8

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PROFESSIONAL ENGINEER STATE OF NEVADA  
MARK A STEEL  
EXP: 6/30/2020  
CIVIL  
No. 21261  
2/14/18

**CLIENT:**  
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439 PLUMB LANE  
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CONTACT: JOSHUA MYERS  
PHONE: (775) 352-4200

DATE	NO.	REVISIONS	APPROVED

UTILITY PLAN (6 OF 8)  
BLACKSTONE RANCH - PHASE 2  
CARSON CITY NEVADA

PL JOB NO.	EN89-311
DESIGNED BY	ACI/EL/MS
DRAWN BY	MS
CHECKED BY	SD
DATE	2018 08 13

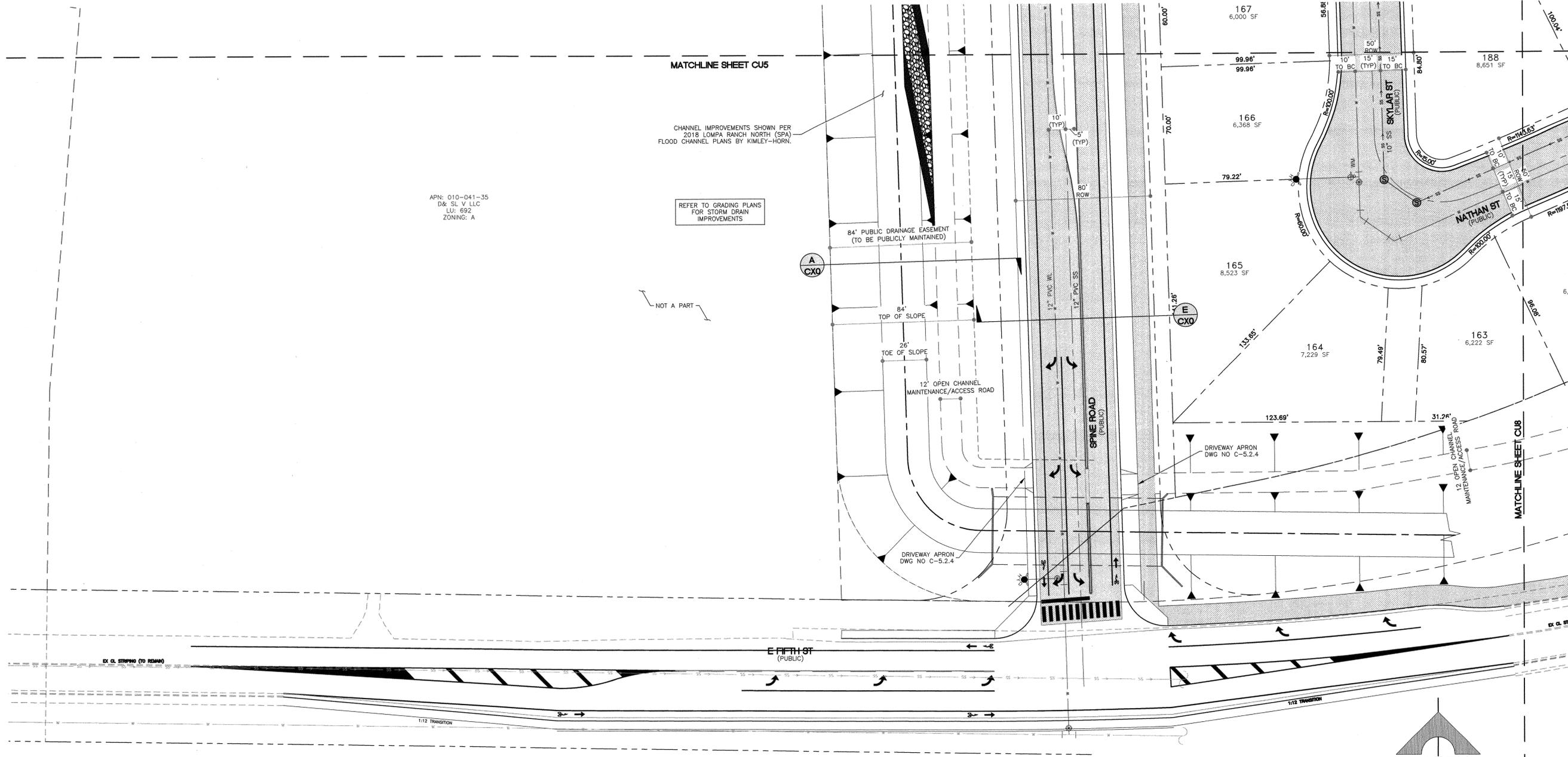


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RENO, NV 89509  
CONTACT: JOSHUA MYERS  
PHONE: (775) 352-4200

DATE	NO.	REVISIONS	APPROVED

UTILITY PLAN (7 OF 8)  
BLACKSTONE RANCH - PHASE 2  
CARSON CITY, NEVADA

PC JOB NO.	ENR05-011
DESIGNED BY	AC/EL/MS
DRAWN BY	MS
CHECKED BY	SD
DATE	2018 08 13



APN: 010-041-35  
D& SL V LLC  
LU: 692  
ZONING: A

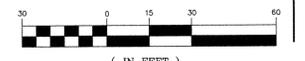
CHANNEL IMPROVEMENTS SHOWN PER  
2018 LOMPA RANCH NORTH (SPA)  
FLOOD CHANNEL PLANS BY KIMLEY-HORN.

REFER TO GRADING PLANS  
FOR STORM DRAIN  
IMPROVEMENTS

NOT A PART



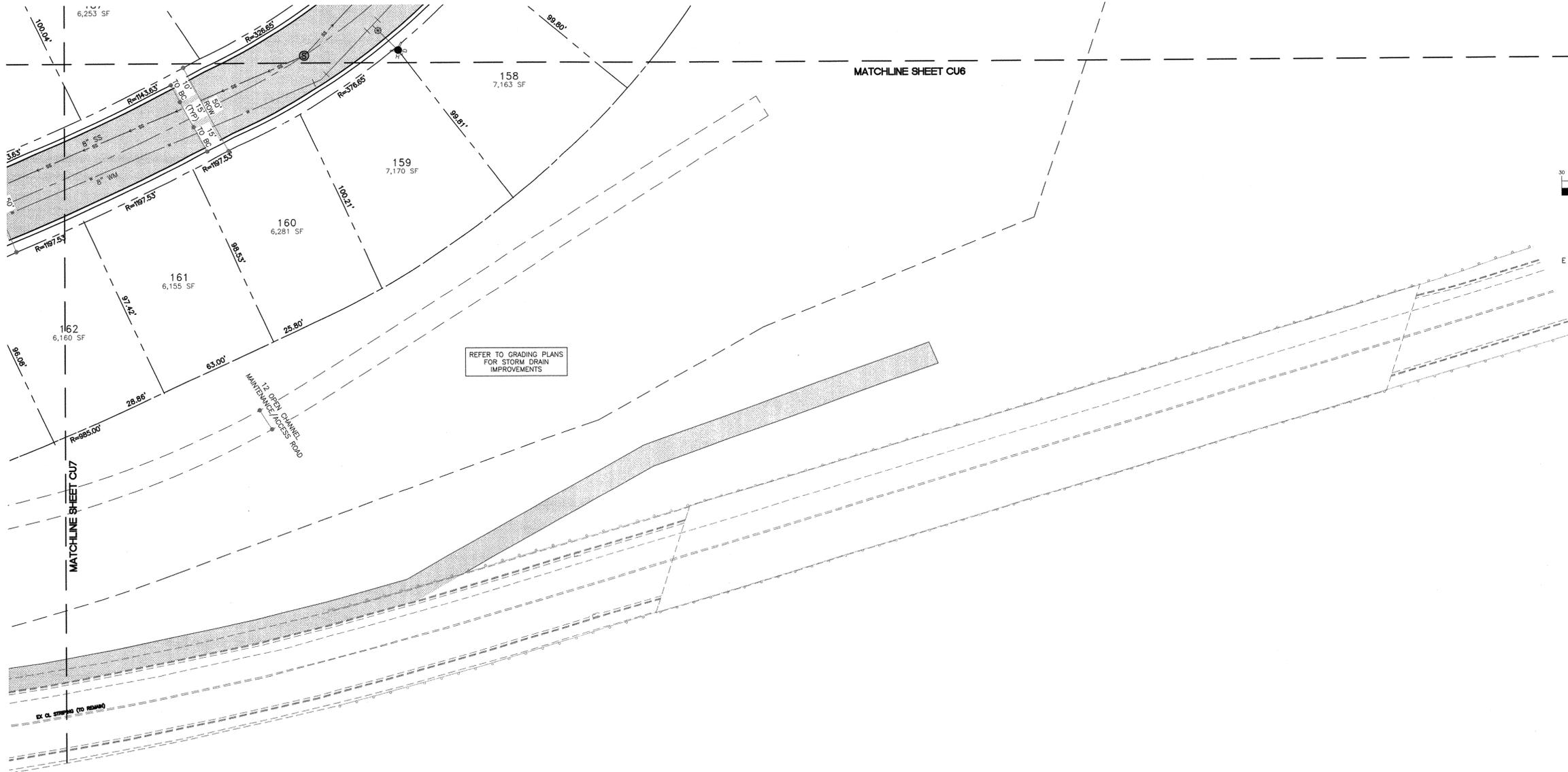
GRAPHIC SCALE



( IN FEET )  
1 inch = 30 ft.

KEY MAP

E ROBINSON ST	CX1	CX2
	CX3	CX4
	CX5	CX6
E FIFTH ST	CX7	CX8



MATCHLINE SHEET CU6

MATCHLINE SHEET CU7

REFER TO GRADING PLANS  
FOR STORM DRAIN  
IMPROVEMENTS



GRAPHIC SCALE  
( IN FEET )  
1 inch = 30 ft.

KEY MAP  
NTS

E ROBINSON ST	CX.1	CX.2
	CX.3	CX.4
	CX.5	CX.6
E FIFTH ST	CX.7	CX.8

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PROFESSIONAL ENGINEER  
MARK A STEFL  
EXP: 6/30/2020  
CIVIL  
No. 21261  
8/14/18

CLIENT:  
BLACKSTONE DEVELOPMENT  
GROUP  
439 PLUMB LANE  
RENO, NV 89509  
CONTACT: JOSHUA MYERS  
PHONE: (775) 352-4200

DATE	NO.	REVISIONS	APPROVED

UTILITY PLAN (8 OF 8)  
BLACKSTONE RANCH - PHASE 2  
CARSON CITY NEVADA

PC JOB NO.	EN169-311
DESIGNED BY	AC/EL/MS
DRAWN BY	MS
CHECKED BY	SD
DATE	2016 06 13



**FLOOD ZONE NOTES**

**FLOODWAY**  
THE CHANNEL OR A RIVER OR OTHER WATERCOURSE AND THE ADJACENT LAND AREA THAT MUST BE RESERVED IN ORDER TO DISCHARGE THE BASE FLOOD WITHOUT CUMULATIVELY INCREASING THE WATER SURFACE ELEVATION MORE THAN 0.59 FOOT.

**ZONE X (SHADED)**  
AREAS OF 500-YEAR FLOOD; AREAS SUBJECT TO THE ONE HUNDRED-YEAR FLOOD WITH AVERAGE DEPTHS OF LESS THAN ONE (1) FOOT OR WITH CONTRIBUTING DRAINAGE AREA LESS THAN ONE (1) SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM THE BASE FLOOD.

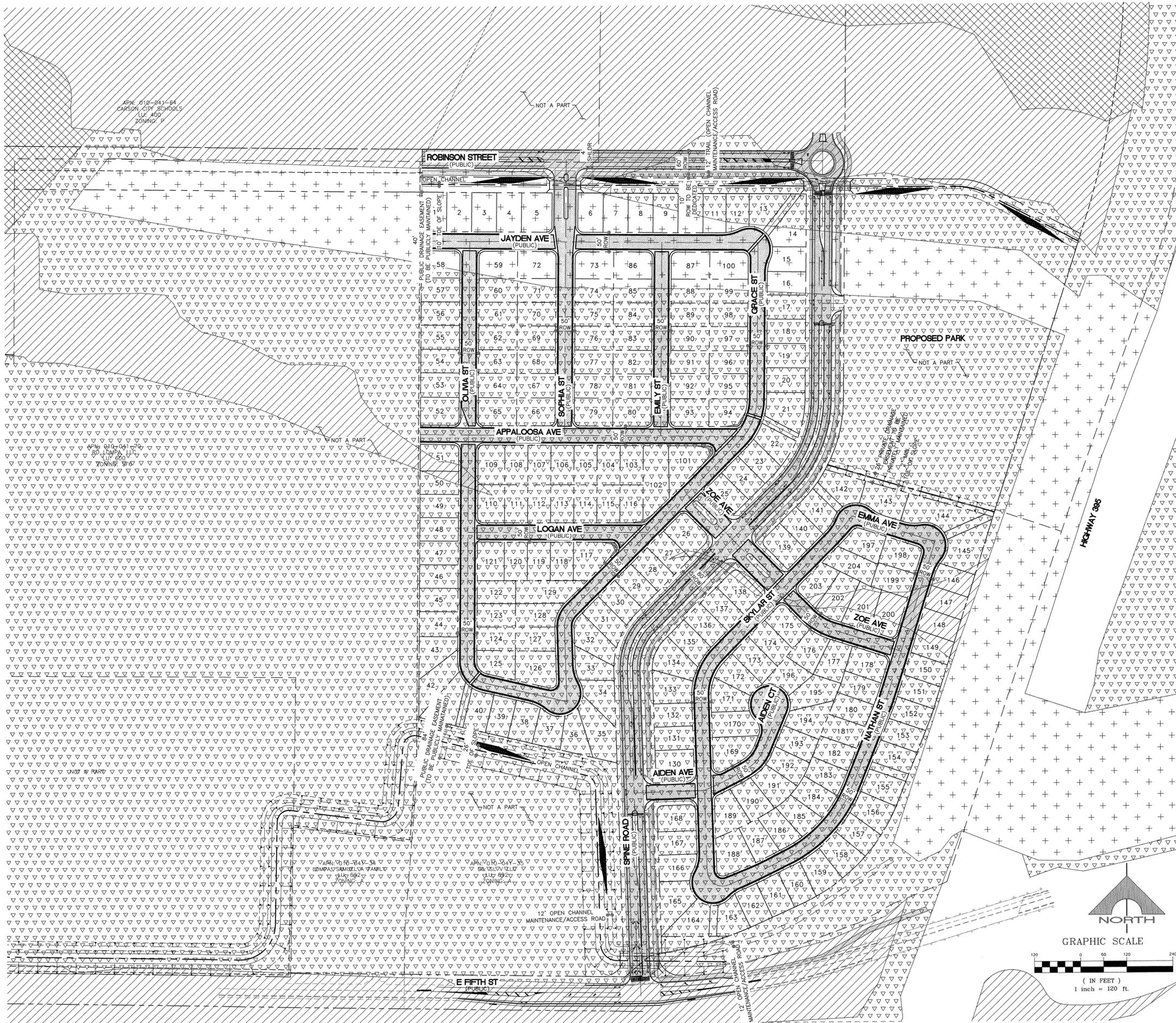
**ZONE X (UNSHADED)**  
AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAN.

**ZONE AE**  
SPECIAL FLOOD HAZARD AREAS INUNDATED BY THE ONE HUNDRED-YEAR FLOOD; BASE FLOOD ELEVATIONS ARE DETERMINED.

**ZONE AO**  
SPECIAL FLOOD HAZARD AREAS INUNDATED BY THE ONE HUNDRED-YEAR FLOOD; WITH FLOOD DEPTHS OF ONE (1) TO THREE (3) FEET (USUALLY SHEET FLOW ON SLOPING TERRAIN); AVERAGE DEPTHS ARE DETERMINED. FOR AREAS OF ALLUVIAL FAN FLOODING, VELOCITIES ARE ALSO DETERMINED.

**FLOOD ZONE LEGEND**

-  EXISTING FLOODWAY
-  EXISTING ZONE X (SHADED)
-  EXISTING ZONE X (UNSHADED)
-  EXISTING ZONE AE
-  EXISTING ZONE AO



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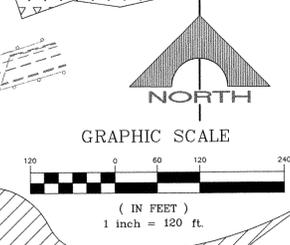
**PROFESSIONAL ENGINEER - STATE OF NEVADA**  
MARK A STEFL  
EXP. 06/02/2022  
CIVIL  
No. 21261  
8/14/18

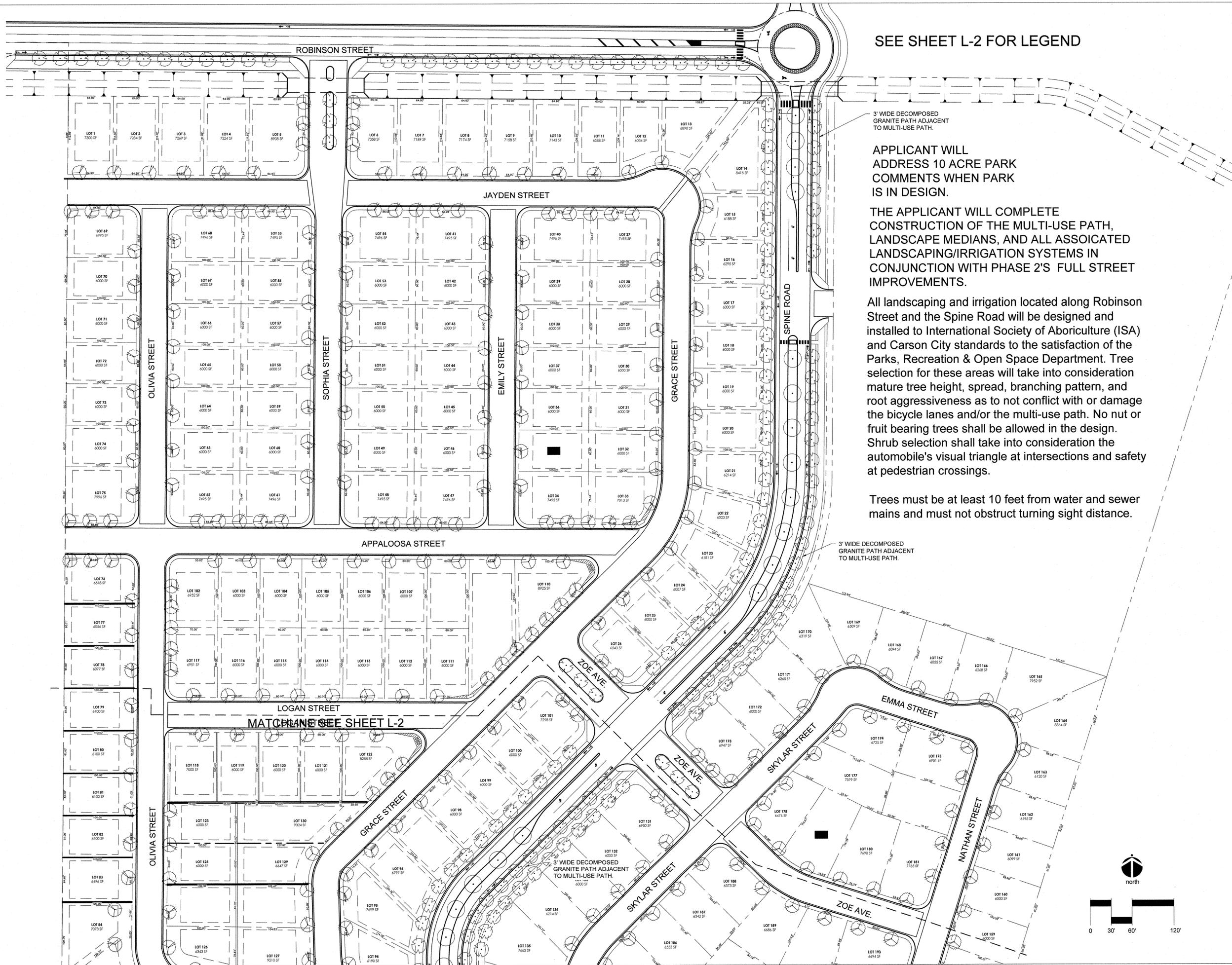
**CLIENT:**  
BLACKSTONE DEVELOPMENT GROUP  
439 PLUMB LANE  
RENO, NV 89509  
CONTACT: JOSHUA MYERS  
PHONE: (775) 352-4200

DATE	NO.	REVISIONS	APPROVED

**FLOODZONE DESIGNATION**  
BLACKSTONE RANCH - PHASE 2  
CARSON CITY, NEVADA

PC JOB NO. EN103-311  
DESIGNED BY AC/EL/MS  
DRAWN BY MS  
CHECKED BY SD  
DATE 2018 08 03





SEE SHEET L-2 FOR LEGEND

APPLICANT WILL ADDRESS 10 ACRE PARK COMMENTS WHEN PARK IS IN DESIGN.

THE APPLICANT WILL COMPLETE CONSTRUCTION OF THE MULTI-USE PATH, LANDSCAPE MEDIANS, AND ALL ASSOCIATED LANDSCAPING/IRRIGATION SYSTEMS IN CONJUNCTION WITH PHASE 2'S FULL STREET IMPROVEMENTS.

All landscaping and irrigation located along Robinson Street and the Spine Road will be designed and installed to International Society of Arboriculture (ISA) and Carson City standards to the satisfaction of the Parks, Recreation & Open Space Department. Tree selection for these areas will take into consideration mature tree height, spread, branching pattern, and root aggressiveness as to not conflict with or damage the bicycle lanes and/or the multi-use path. No nut or fruit bearing trees shall be allowed in the design. Shrub selection shall take into consideration the automobile's visual triangle at intersections and safety at pedestrian crossings.

Trees must be at least 10 feet from water and sewer mains and must not obstruct turning sight distance.



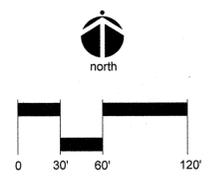
8275 S. Eastern Avenue, Ste. 200  
Las Vegas, NV 89123  
702.403.4320

REVISIONS/ADDENDUM	DATE	DESCRIPTION
BY JAU	07-19-17	REVISED SITE
	10-11-17	SPINE ROAD



**PRELIMINARY LANDSCAPE PLAN**  
**BLACKSTONE RANCH**  
**PHASE 2**  
CARSON CITY, NEVADA

DATE: 03-03-2017  
JOB NO. 17033C  
ISSUED FOR PLANCHECK: N/A  
ISSUED FOR BID: N/A





**PLANT LEGEND**

- MEDIAN TREES (TO BE SPECIFIED AT A FUTURE DATE)
- FRONT YARD TREES @ 50' O.C. +/- (MINIMUM 1 PER LOT)
- STREET FRONTAGE TREES @ 30' O.C.

**TREE PLANTING NOTES:**

1. ALL DECIDUOUS TREE SHALL HAVE A MINIMUM 2" GALIPER AT TIME OF PLANTING.
2. ALL EVERGREEN TREE SHALL BE A MINIMUM OF 8' IN HEIGHT AT TIME OF PLANTING.
3. A BLEND OF DECIDUOUS AND EVERGREEN TREES ARE TO BE USED IN A RANDOM PATTERN THROUGHOUT THE COMMUNITY TO CREATE A NATURAL VISUAL FEEL.

**SHRUB PLANTING NOTES:**

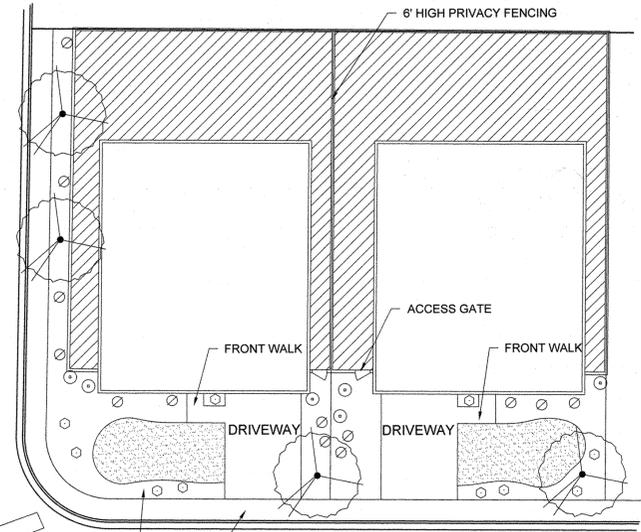
1. A BLEND OF EVERGREEN, DECIDUOUS, & PERENNIAL SHRUBS AND GROUNDCOVER PLANTS SHALL BE USED.
2. ALL SHRUBS TO BE LAID OUT TO PROVIDE A NATURAL APPEARANCE FOR THE COMMUNITY AND ALLOW FOR ALL REQUIRED SIGHT VISIBILITY ZONES.

**GENERAL NOTES:**

1. ALL LANDSCAPE AND IRRIGATION SHALL BE INSTALLED TO MEET OR EXCEED LOCAL GOVERNING CODES.
2. ALL PLANTING AREAS SHALL RECEIVE A MINIMUM 3" DEPTH LAYER OF BARK MULCH WITH A PRE-EMERGENT HERBICIDE APPLICATION.
3. ALL PLANTS SHALL BE ON AN AUTOMATIC IRRIGATION SYSTEM, USING PRESSURE REGULATED VALVES, AND POINT SOURCE DRIP EMITTERS.
4. ALL PLANTS SELECTED SHALL BE ACCEPTABLE BY LOCAL GOVERNING AGENCY, SUSTAINABLE FOR THE LOCALIZED MICRO-CLIMATE, AND MEET OR EXCEED THE AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1).

**CORNER LOT:**  
 MINIMUM (3) FRONT YARD TREE  
 MINIMUM (16) SHRUBS  
 LAWN AREA - 50% MAX AREA

**INTERIOR LOT:**  
 MINIMUM (1) FRONT YARD TREE  
 MINIMUM (12) SHRUBS  
 LAWN AREA - 50% MAX AREA



**PLANT LEGEND**

- FRONT YARD TREES
- SHRUBS
- TURF (WITH BENDER BOARD EDGING)

**FRONT YARD NOTES:**

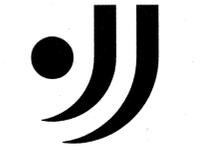
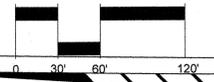
1. ALL SHRUB AREAS SHALL RECEIVE 3" DEPTH OF MULCH WITH PRE-EMERGENT HERBICIDE.

**TYPICAL FRONT YARD PLAN**  
 NOT TO SCALE

THE APPLICANT WILL COMPLETE CONSTRUCTION OF THE MULTI-USE PATH, LANDSCAPE MEDIANS, AND ALL ASSOCIATED LANDSCAPING/IRRIGATION SYSTEMS IN CONJUNCTION WITH PHASE 2'S FULL STREET IMPROVEMENTS.

All landscaping and irrigation located along Robinson Street and the Spine Road will be designed and installed to International Society of Arboriculture (ISA) and Carson City standards to the satisfaction of the Parks, Recreation & Open Space Department. Tree selection for these areas will take into consideration mature tree height, spread, branching pattern, and root aggressiveness as to not conflict with or damage the bicycle lanes and/or the multi-use path. No nut or fruit bearing trees shall be allowed in the design. Shrub selection shall take into consideration the automobile's visual triangle at intersections and safety at pedestrian crossings.

Trees must be at least 10 feet from water and sewer mains and must not obstruct turning sight distance.



**John Jones Landscape Architect**

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 702.403.4320

REVISIONS/ADDENDUM	DATE	DESCRIPTION
	07-19-17	REVISED SITE
	10-11-17	SPINE ROAD



**PRELIMINARY LANDSCAPE PLAN**  
**BLACKSTONE RANCH**  
**PHASE 2**  
 CARSON CITY, NEVADA

DATE: 03-03-2017
JOB NO. 17033C
ISSUED FOR PLANCHHECK: N/A
ISSUED FOR BID: N/A