

### City of Ketchum Planning & Building

## KETCHUM FIRE STATION DESIGN REVIEW STAFF REPORT KETCHUM PLANNING AND ZONING COMMISSION REGULAR MEETING OF FEBRUARY 10, 2020

PROJECT: Ketchum Fire Station

FILE NUMBER: P20-013

APPLICATION: Design Review

REPRESENTATIVE: Cole Architects

OWNER: City of Ketchum

LOCATION: 107 Saddle Road (Portion of Tax

Lot 6689)

ZONING: Tourist (T)

OVERLAY: None

NOTICE: A public hearing notice for the

project was mailed to all

owners of property adjacent to the project site on January 22<sup>nd</sup>, 2020. The public hearing notice was published in the Idaho Mountain Express on January

22<sup>nd</sup>, 2020.

REVIEWER: Abby Rivin, Associate Planner



Figure 1: PUD Parcel Tax Lot 6689

#### FIRE STATION LOCATION

The new fire station is located on a portion of a larger parcel owned by the City within a Planned Unit Development (PUD) in the Tourist Zone. The PUD includes the Northwood Place apartments, the YMCA, and shared public parking areas all on the same parcel. The fire station site area is 15% of the PUD area with over 150 feet of street frontage along Saddle Road.

The neighborhood connects residential, commercial, recreational, and industrial development. A recreation hub, the multi-use path connects the YMCA to Guy Coles Skate Park and Rotary Park. Across Saddle Road, a townhome development extends north from the Church of the Big Wood.

Industrial buildings, including the Fire Training Facility on Lewis Street, border the east side of the PUD.

The project location and site area meet the Fire Department's operational needs. The Future Land Use Map designates the parcel as Public/Quasi-Public for community services, utilities, and government buildings like the proposed fire station. The City-owned parcel is one of only four properties within the City designated for this type of essential facility. The other Public/Quasi-Public properties are developed with the Community Library, Post Office, and the Wastewater Treatment Plant.

#### PROJECT COMPLIES WITH DESIGN REVIEW STANDARDS



Figure 2: Fire Station Rendering by Cole Architects

The fire station design balances multiple discordant functions, including living quarters, apparatus and equipment storage, maintenance, decontamination facilities, and administrative offices and training rooms. Occupied by personnel in continuous 24-hour shifts, the fire station design must balance

these different activities while maintaining a healthy and safe environment. The building layout and site design organizes similar functions within distinct areas—the apparatus bays at the center of the station separate the operations and maintenance area from the administrative offices, public meeting room, and residential areas. The orientation and placement of rectangular building shapes facilitate this functional arrangement. The modern design refashions traditional materials like brick to augment visual interest. Details like the red trim across the apparatus-bay windows allude to more traditional firehouse design.

#### PARKING & TRAFFIC CIRCULATION

By Highway 75, Saddle Road, and Warm Springs, the fire station is centrally located with easy access to main routes that connect to all areas of the City. The circulation plan includes drive-through apparatus bays and sight windows that enhance safety while minimizing the fire station's impact to neighborhood traffic. The City has engaged a professional traffic engineer to identify safety concerns or circulation conflicts. Any improvements necessary to ensure the safety of pedestrians, bicyclists, drivers, and emergency responders will be included in the project plan.

The shared parking areas within the PUD contain 220 public parking spaces. The parking spaces are unrestricted and shared between multiple users. Instead of restricting spaces to an exclusive use, sharing spaces satisfies parking demand by flexibly accommodating various uses during different times of the day. More than enough parking spaces are provided in the PUD to meet the needs of all users including the fire station parking demand.

#### STAFF RECOMMENDATION

Staff recommends that the Commission consider the project plans, the applicant's presentation, and any public comment received, deliberate, and approve the Ketchum Fire Station Design Review.

#### **ANALYSIS**

Staff analysis is provided in Tables 1 through 4 including: (1) the project's alignment with the 2014 Comprehensive Plan, (2) City Department comments, (3) adherence zoning and dimensional standards, and (4) evaluation of Design Review criteria. Project plans are attached as Exhibit A. The *Response to Planning and Zoning Commission Comments on the Fire Station Pre-Application Design Review* included as Exhibit B provides additional information regarding the site selection process, shared parking area, employee housing considerations, and traffic circulation.

### Table 1: Comprehensive Plan Analysis

A critical facility that will support the future growth of Ketchum, the new fire station is an essential facility needed to sustain our vibrant mountain town. Providing fire protection and emergency medical services, the Fire Department preserves and enhances quality of life for Ketchum residents and visitors. The 2014 Comprehensive Plan identified the construction of a new, modern fire station as the department's highest priority. By protecting life and property, the Fire Department provides the foundation to support our community vision and shared values. The fire station is consistent with the uses, goals, and policies listed below as specified within the 2014 Comprehensive Plan.

SUPPORTING	COMPLIANCE WITH THE 2014 COMPREHENSIVE PLAN			
SECTION	&			
	STAFF COMMENTS			
Land Use	PRIMARY USES			
Category:	The Public/Quasi-Public category includes uses related to community services, such			
Public/Quasi Public	as schools, libraries, community centers and gardens, arts/culture, hospitals,			
	government, utilities, cemeteries, and places of worship.			
	The fire station is a public facility that delivers an essential service to the			
	community. The project site is one of only four properties within the City designated			
	as an appropriate location for this type of use. The remaining Public/Quasi-Public			
	properties are developed with the Community Library, Post Office, and the			
	Wastewater Treatment Plant.			
Future Land Use				

Infill and	Ketchum needs a new fire station to sustain our vibrant community and support				
Redevelopment to	future growth. As first responders to fires, public safety and medical emergencies,				
Accommodate	and technical rescues, the Fire Department protects the lives and property of The				
Growth	fire station is a critical facility needed to deliver essential services to protect the				
	community. A vacant and underutilized property within a built-out area, the project				
	site is strategically located for emergency response near major transportation				
	corridors. As Ketchum continues to grow, the Fire Department must respond to				
	increasing demands for services. The fire station is necessary to support the future				
	growth of Ketchum.				
	A Strong and Diverse Economy				
Policy E-2(b)	The Fire Department keeps Ketchum dynamic, resilient, and economically viable. By				
Quality of Life	enhancing delivery of fire protection and emergency services, the fire station project				
Infrastructure	is critical to Ketchum's economic success.				
	Community Design and Neighborhoods				
Policy CD-1.3	The fire station is contextually appropriate located in a neighborhood at the				
Compatible Infill	intersection of commercial, industrial, and residential development.				
and					
Redevelopment					
Projects					
Policy CD-1.5 High-	Centrally located, the fire station is sited near main routes to serve Ketchum				
Quality and	residents and visitors. The project plans include a community room to host public				
Sustainable Design	meetings and events.				
Principles for					
Public Buildings	The fire station will be a LEED certified building.				
and Public	The fire station in as a zeed solution solution.				
Outdoor Spaces					
Policy CD-2.5	The fire station will be a LEED certified building to ensure high performance				
Energy and Water	standards for energy and water conservation.				
Efficiency in New	Standards for energy and water conservation.				
Development					
Development	Natural Resource Stewardship				
Policy NR6.1 City	The City of Ketchum will serve as an example by continuing to improve energy				
Leadership in	efficiency and GHG reductions in City facilities and operations.				
Energy Efficiency	emotericy and one reductions in only facilities and operations.				
and Conservation					
Policy NR6.2	The City should implement policies and programs that enhance opportunities for				
Energy	individuals, businesses, and public organizations to conserve energy and convert to				
Alternatives	renewable resources. The City should support energy conservation in City buildings,				
	vehicles, operations and processes through its own policies, and provide				
	information about techniques for energy efficiency.				
Public Safety and Utilities					

Goal PSU-1	Ketchum will proactively ensure the safety and welfare of residents by providing high levels of police, fire, and emergency response services. In addition, the City will promote community awareness and involvement with crime prevention and code enforcement. A primary objective is to provide and maintain reliable funding to protect investment in existing fire and police facilities and ensure appropriate levels of service.
Policy PSU-1.3 Fire and Police Service Standards	Future fire and police facility requirements should be determined using level of service (LOS) standards. Level of service should be defined as the optimum level of service desired from the service provider and may differ from the current LOS.
Policy PSU-3.2 Channeling Capital Improvements	The fire station project provides a safety-related capital improvement.

### Table 2: City Department Comments

City Department comments are based on the project concept as proposed with the Design Review project plans. All City Departments shall review and approve the project through the Building Permit application process. All comments pertaining to the Design Review drawings are subject to change. All right-of-way improvements must be reviewed and approved by the City Engineer and Streets Department prior to issuance of a Building Permit for the project.

### **City Department Comments**

All City Department requirements and associated specifications for the required improvements must be verified, reviewed, and approved prior to issuance of a Building Permit for the project.

#### Fire Department:

- It is the General Contractor's responsibility to understand and adhere to all Fire Protection Ordinance #1125 requirements in addition to any and all other City of Ketchum requirements in effect at the time of Building Permit issuance. Failure to comply with all local ordinances and codes may result in project work stoppage as well as criminal penalties.
- The above project shall meet all 2012 International Fire Code requirements in addition to specific City Building and Fire Ordinances.
- Approved address numbers shall be placed in such a position to be plainly visible and legible from the road fronting the property. Numbers and letters shall be a minimum of four (4) inches tall, contrast with their background and be positioned a minimum of forty-eight (48) inches above final grade.
- Vehicle parking and material storage during construction shall not restrict or obstruct public streets or access to any building. A minimum twenty-foot travel lane for emergency vehicle access shall be maintained clear and unobstructed at all times. All required Fire Lanes, including within 15 feet of fire hydrants, shall be maintained clear and unobstructed at all times.
- An approved automatic fire sprinkler system shall be installed throughout the building per City of Ketchum Ordinance #1125 (www.ketchumfire.org) and the National Fire Protection Association Standard 13. An approved fire sprinkler flow bell, Knox box and Fire Department Connection shall be installed in an approved location visible to approaching firefighters. Water service lines to

structures shall be hydraulically calculated for size to meet fire sprinkler flow requirements. Fire sprinkler systems shall be annually tested and maintained per NFPA 25. An approved fire department connection and flow bell shall be installed in a location approved by the fire department and the system shall be supervised by an approved alarm system.

Note: The entire building shall be protected by an NFPA 13 Fire Sprinkler system.

- NOTE: One electronic set of fire sprinkler system plans must be submitted to the Ketchum Fire Department as well as the State Fire Marshal's office and a Ketchum Fire Department Permit must be obtained prior to installation of fire sprinkler systems. Inspections of fire sprinkler systems by the Fire Chief or an appointee are required. Inspections must be scheduled at least 48 hours in advance.
- An approved monitored fire sprinkler alarm system shall be installed per City of Ketchum Ordinance #1125 (www.ketchumfire.org) and the requirements of NFPA 72. Two (2) sets of alarm system plans shall be submitted to the Ketchum Fire Department for approval and a permit is required prior to installation of alarm systems. Inspections of fire detection systems by the Fire Chief or an appointee are required and shall be scheduled at least 48 hours in advance.
- An approved access roadway per 2012 International Fire Code Appendix D (www.ketchumfire.org) shall be installed prior to any combustible construction on the site. The road shall be a minimum of twenty (20) feet in width and capable of supporting an imposed load of at least 75,000 pounds.
- Fire extinguishers shall be installed and maintained per 2012 IFC Section 906 both during construction and upon occupancy of the building.
- An approved key box shall be installed, with the appropriate keys, for emergency fire department access in a location approved by the fire department. The key box shall be a Knox box brand and sized to accommodate keys to every door of the project.
- An 8 ½ by 11 color coded site map of this project shall be provided on paper and electronically to
  the fire department. This site map shall show the locations of gas shut-offs, power shut-offs, fire
  sprinkler riser rooms, fire department connections, alarm panels, Knox boxes, access doors, egress
  windows, stairways and any additional fire department requirements. Exact details for color coded
  "On-Sites" can be found at www.ketchumfire.org.
- Final inspections of all fire department permit required installations by the Fire Chief or an appointee are required and shall be scheduled at least 48 hours in advance. A Final Inspection Checklist can be found at www.ketchumfire.org.
- Fire Department requirements and associated specifications for the required improvements must be verified, reviewed, and approved prior to issuance of a Building Permit for the project.

### City Engineer & Streets Department:

- All drainage shall be retained on site including water from any roof drains (KMC §17.96.060.C.1).
   Any roof drain locations will need to be shown on project plans submitted with the Building Permit application.
- All construction for the project must comply with the standards set forth in Ketchum Municipal Code, Chapter 15.06 Construction Activity Standards. The applicant shall submit a Construction Activity Plan addressing all applicable activities (KMC §15.06.030), including how materials will be off-loaded at the site, plan for coordinating with neighbors on temporary closures, temporary traffic control, and construction fencing with appropriate screening, to be reviewed and approved prior to issuance of a Building Permit for the project. Pursuant to KMC §15.06.030.A.2,

- the applicant shall provide notice of the project, construction schedule, and general contractor's contact information to all neighbors with properties adjacent to the project site.
- The Building Permit plans and construction drawings shall meet all applicable sections of Chapter 12 of Ketchum Municipal Code.
- The plans for the ROW improvements must be prepared by a professional engineer licensed in Idaho (KMC §12.04.020. Reconstruction of the city sidewalk is required. Specifications for the ROW improvements shall be indicated on the civil drawings submitted with the Building Permit application to be reviewed and approved by the City Engineer and Streets Department prior to issuance of a Building Permit for the project.
- Recommended separation distance between a dry well and water main is 25'. If a dry well is installed closer than 25' to the water main install 20 mil HDPE groundwater barrier along the water main side of drywell. Barrier should extend of 18 inches below the water main pipe. Minimum distance between a dry well and water main must be 10'.
- Utility locations (electrical, gas) are not permitted in public ROW. If utility upgrades are necessary the applicant will need to coordinate upgrades with Idaho Power and Intermountain Gas. All utilities need to be shown on the plans including the location and size of water and sewer mains and services, gas, electric, TV and phone.
- Drainage improvements constructed shall be equal to the length of the subject property lines adjacent to any public street or private street (KMC §17.96.060C).
- The applicant shall submit a Street and Alley Digging, Excavation, and Trenching ("DIG") Permit
  application with an associated traffic control plan for all construction work within the City rightof-way to be reviewed and approved by the Streets Department. The use of City right-of-way
  for construction including the closure of adjacent streets or sidewalks requires a Temporary Use
  of Right-of-Way Permit ("TURP").
- Final civil drawings for all associated ROW improvements shall be submitted with the Building Permit application to be verified, reviewed, and approved by the City Engineer and Streets Department prior to issuance of a Building Permit for the project.

#### **Utilities:**

- The applicant will be responsible for installing connections to the water and sewer system.
- Requirements and specifications for the water and sewer connections will be verified, reviewed, and approved by the Utilities Department prior to issuance of a Building Permit for the project.

#### **Building:**

- The building must meet the 2012 International Building Code and Title 15 Buildings and Construction of Ketchum Municipal Code.
- Building Department requirements and associated specifications for the required improvements must be verified, reviewed, and approved prior to issuance of a Building Permit for the project.

#### **Planning and Zoning:**

Comments are denoted within the analysis of the project's compliance with the Comprehensive Plan, zoning and dimensional standards, and Design Review evaluation standards.

Table 3: Zoning and Dimensional Standards Analysis

<u> </u>							
Zoning and Dimensional Standards Analysis							
Compliant		nt		Standards and Staff Comments			
Yes	No	N/A	Guideline	City Standards and Staff Comments			

Ketchum Fire Station Design Review

Planning & Zoning Commission Meeting of February 10, 2020

$\boxtimes$			17.12.030	Minimum Lot Area
			Staff	Required: 8,000 square feet minimum
			Comments	
				Existing:
				Tax Lot 6689 Total: 249,150 square feet
				Fire Station Project Site: 35,139 square feet
$\boxtimes$			17.12.030	Minimum Open Space
			Staff	Required: 35%/30% (Footnote 5: 5% open site area may be used for
			Comments	private decks or patios and walkways subject to Design Review
				approval)
				Proposed with Ketchum Fire Station:
				YMCA and Greenhouse Building Footprint: 69,282 square feet
				Northwood Place & Carport Building Footprint: 23,402 square feet
				Ketchum Fire Station & Carport Building Footprint: 14,810 square feet Total Building Footprint: 107,494 square feet
				Total Open Space: 141,656 square feet
				Open Space: 57% (141,656square feet open space/249,150 square feet
				Tax Lot 6689 area)
$\boxtimes$			17.12.030	Floor Area Ratios and Community Housing
		_	Staff	Floor Area Ratio Permitted in Tourist (T) Zoning District
			Comments	FAR Permitted in T Zone: 0.5
				FAR Permitted with Inclusionary Housing Incentive: 1.6
				7 6
				Proposed Floor Area Ratio
				Existing YMCA and Northwood Place Gross Floor Area: 128,806.5
				square feet (YMCA 91,374 gross square feet + Northwood Place
				37,432.5 gross square feet)
				Proposed Ketchum Fire Station Gross Floor Area: 17, 507 gross square
				feet
				Total Gross Floor Area of YMCA, Northwood Place, Ketchum Fire
				Station: 146,313.5 gross square feet
				Floor Area Ratio Proposed: 0.59 (146,313.5 gross square feet/249,150
				square feet TL 6689 area)
				Increase Above 0.5 Permitted FAR: 21,738.5 square feet (146,313.5
				gross floor area-124,575 permitted 0.5 gross floor area)
				20% of Increase: 4,348 square feet
				15% Reduction for Net Livable Floor Area: 3,696 square feet
				Northwood Place is an affordable apartment complex with 32 deed
				restricted community housing units. Comprised of five buildings, the
	<u> </u>		1	restricted sommarity reasons arites comprised or rive bandings, the

			total floor area of Northwood Place is 33,188 square feet, which satisfies the community housing contribution.
$\boxtimes$		17.12.030	Minimum Building Setbacks
		Staff Comments	Minimum: Front: 15 feet West Side Setback Along Saddle Road Waiver (PUD CUP 04-008): 0 feet East Side Setback Along Interior Property Line Waiver (PUD CUP 09- 023): 0 feet Rear: > 1 per 3 feet in building height, but no less than 10 feet Setback Along Warm Springs Road with Waiver: 20 feet
			The PUD designates the Warm Springs Road boundary as the front property line.  Proposed: Front (South/Warm Springs): Greater than 15 feet Rear (North/Park Circle): Greater than 15 feet Side with Waiver (East/Interior): 0 feet Side with Waiver (West/Saddle Road): 0 feet
		17.12.030	
		17.12.030 Staff	Building Height  Maximum Parmitted in Tourist Zone: 25 fact
		Comments	Maximum Permitted in Tourist Zone: 35 feet  Maximum Permitted with PUD Waiver: 45 feet-6 inches  Proposed: The fire station is 29 feet tall.
		17 125 02011	
		Staff Comments	Required: A total of 35% of the linear footage of any street frontage can be devoted to access to off street parking.  Existing: YMCA (PUD CUP 04-008 & Design Review CR04-013): 5% Northwood Place (PUD CUP 09-023 & Design Review R09-003): 38 feet/27% Park Circle frontage  Proposed: As indicated on the Site Plan (Sheet C2.00), 2 curb cuts are proposed along Saddle Road to facilitate two-way traffic for command vehicles and fire apparatus to exit and enter the fire station. The 2 curb cuts are separated by a grass median. The north access serves as the main entrance and exit for staff vehicles and fire trucks. During an emergency response, firefighters will exit the station from the apparatus-bay curb cut.

			Tax Lot 6689 has 1,747 feet of street frontage along Park Circle, Saddle Road, and Warm Springs Road. The property has 890 feet of street frontage along Saddle Road. The 2 curb cuts have a combined width of 147.5 feet. An existing 30-foot curb cut along Saddle Road serves as the main access to the YMCA. The total width of the driveway accesses along Saddle Road will be 177.5 feet or 20% of the street frontage along Saddle Road.
$\boxtimes$		17.125.040	Parking Spaces
		Staff	Off-street parking standards apply to any new development and to any
		Comments	new established uses.
			Required: Non-Residential Use in T Zone: 1 parking space per 1,000 gross square feet (Footnote 1: Refer to definition of floor area, gross and with the additional exclusion of common and public areas).
			Proposed:
			Ketchum Fire Station is 17,507 gross square feet generating a parking demand of 18 parking spaces.
			The shared parking areas within the PUD contain 220 public parking spaces. More than enough parking spaces are provided in the PUD to meet the needs of all users including the fire station parking demand.

Table 4: Design Review Standards Evaluation

	Design Review Improvements and Standards (KMC §17.96.060)				
Yes	No	N/A	City Code	City Standards and Staff Comments	
$\boxtimes$			17.96.060.A1	The applicant shall be responsible for all costs associated with providing	
			Streets	a connection from an existing city street to their development.	
			Staff	Tax Lot 6689 is bordered by Park Circle to the north, Saddle Road to	
			Comments	the west, and Warm Springs to the south. A driveway access along	
				Saddle Road at the north end of the project site provides two-way	
				traffic to the fire station. The apparatus bay curb cut is reserved for	
				emergency response.	
		$\boxtimes$	17.96.060.A2	All street designs shall be approved by the City Engineer.	
			Streets		
			Staff	No changes are proposed to the street design or lanes of travel within	
			Comments	the Saddle Road right-of-way.	
$\boxtimes$			17.96.060.B1	All projects under 17.96.010(A) that qualify as a "Substantial	
			Sidewalks	Improvement" shall install sidewalks as required by the Public Works	
				Department.	
			Staff	The fire station is new construction and qualifies as a substantial	
			Comments	improvement project requiring the installation of sidewalks. A	
				concrete path extends the length of the PUD connecting Northwood	

				Place to the YMCA. The path within the project site will be relocated within the Saddle Road right-of-way to align with the existing path.  Final civil drawings for all associated ROW improvements shall be
				submitted with the Building Permit application to be verified, reviewed, and approved by the City Engineer and Streets Department prior to issuance of a Building Permit for the project.
				See Table 2 for comments and conditions from the City Engineer & Streets Department.
$\boxtimes$			17.96.060.B2	Sidewalk width shall conform to the City's right-of-way standards,
			Sidewalks	however the City Engineer may reduce or increase the sidewalk width and design standard requirements at their discretion.
			Staff	All ROW improvements shall be constructed to City ROW standards.
			Comments	The proposed width of the path is 7 feet to match the existing
				sidewalk to the north and south. The City Engineer may reduce or
				increase the sidewalk width and design standard requirements.
				Final civil drawings for all associated ROW improvements shall be
				submitted with the Building Permit application to be verified,
				reviewed, and approved by the City Engineer and Streets Department
				prior to issuance of a Building Permit for the project. See Table 2 for
				review comments and conditions from the City Engineer & Streets
			47.06.060.00	Department.
			17.96.060.B3 Sidewalks	Sidewalks may be waived if one of the following criteria is met:  a. The project comprises an addition of less than 250 square feet
			Sidewants	of conditioned space.
				b. The City Engineer finds that sidewalks are not necessary
				because of existing geographic limitations, pedestrian traffic on
				the street does not warrant a sidewalk, or if a sidewalk would
				not be beneficial to the general welfare and safety of the public.
			Staff	N/A the existing pathway must be relocated within the Saddle Road
	<del> </del>		Comments	right-of-way.
			17.96.060.B4	The length of sidewalk improvements constructed shall be equal to the
			Sidewalks	length of the subject property line(s) adjacent to any public street or
			Staff	private street.  The sidewalk will be constructed across the length of the project site
			Comments	along Saddle Road.
$\boxtimes$		П	17.96.060.B5	New sidewalks shall be planned to provide pedestrian connections to
2			Sidewalks	any existing or future sidewalks adjacent to the site. In addition,
				sidewalks shall be constructed to provide safe pedestrian access to and
				around a building.
			Staff	The new sidewalk along Saddle Road will connect to a path that leads
			Comments	to the fire station's public entrance. The sidewalk extends the length

			of the PUD and connects Northwood Place to the YMCA. This circulation system connects to the BCRD Wood River Trail multi-use path, commonly referred to as the bike path, to the west across Saddle Road through existing crosswalks.
	$\boxtimes$	17.96.060.B6 Sidewalks	The City may approve and accept voluntary cash contributions in-lieu of the above described improvements, which contributions must be segregated by the City and not used for any purpose other than the provision of these improvements. The contribution amount shall be one hundred ten percent (110%) of the estimated costs of concrete sidewalk and drainage improvements provided by a qualified contractor, plus associated engineering costs, as approved by the City Engineer. Any approved in-lieu contribution shall be paid before the City issues a certificate of occupancy.
		Staff Comments	N/A. Staff does not recommend a voluntary cash contribution in-lieu of improvements for this project.
$\boxtimes$		17.96.060.C1 Drainage	All storm water shall be retained on site.
		Staff Comments	All storm water shall be retained on site including water from roof drains. Preliminary drainage plans are indicated on Sheets C2.0 and C3.0 of the Design Review submittal drawings. The proposed drainage plan includes a system of drywells and grass drainage swales.  Prior to issuance of a Building Permit for the project, the applicant shall submit a final drainage plan indicating grading, catch basins, piping, and drywells (KMC §17.96.040.C.2b & KMC §17.96.060.C.1-4) prepared by a civil engineer licensed in the state to be submitted for review and approval by the City Engineer and Streets Department.  See Table 2 for City Department comments including City Engineer and Streets Department conditions.
		17.96.060.C2 Drainage Staff Comments	Drainage improvements constructed shall be equal to the length of the subject property lines adjacent to any public street or private street.  See above analysis for Ketchum Municipal Code §17.96.060C1. All drainage improvements are required to meet City standards.  All drainage improvements shall be indicated on civil plans prepared by an Idaho licensed engineer and require review and approval from
			the City Engineer & Streets Department prior to issuance of a Building Permit for the project.  See Table 2 for review comments and conditions from the City Engineer & Streets Department.
$\boxtimes$		17.96.060.C3 Drainage	The City Engineer may require additional drainage improvements as necessary, depending on the unique characteristics of a site.

		Ct. CC	
		Staff Comments	A final drainage plan prepared by a civil engineer licensed in the state of Idaho shall be submitted with the Building Permit application to be reviewed and approved by the City Engineer and the Streets Department. The City Engineer may require additional drainage improvements as necessary.
		17.96.060.C.4 Drainage	Drainage facilities shall be constructed per City standards.
		Staff Comments	All drainage facilities within the project site and the public right-of- way shall meet City standards. Final drainage specifications must be included with the civil drawings submitted with the Building Permit application to be reviewed and approved by the City Engineer & Streets Department.
$\boxtimes$		17.96.060.D1 Utilities	All utilities necessary for the development shall be improved and installed at the sole expense of the applicant.
		Staff Comments	Sheet C4.00 of the project plans show utility connections and locations. All utilities necessary for the fire station must be improved and installed at the sole expense of the applicant. Prior to issuance of a Building Permit, the applicant must secure a will-serve letter from Idaho Power. Final plans will be reviewed and approved by the Utilities Department prior to issuance of a Building Permit for the project. See Table 2 for review comments and conditions from the Utilities Department.
		17.96.060.D2 Utilities	Utilities shall be located underground and utility, power, and communication lines within the development site shall be concealed from public view.
		Staff Comments	All utilities within the development site shall be underground and concealed from public view. See above analysis for Ketchum Municipal Code §17.96.060D1. The generator located at the northeast corner of the project site must be fully screened from public view.
		17.96.060.D3 Utilities	When extension of utilities is necessary all developers will be required to pay for and install two (2") inch SDR11 fiber optical conduit. The placement and construction of the fiber optical conduit shall be done in accordance with city of Ketchum standards and at the discretion of the City Engineer.
		Staff Comments	The applicant is aware of this requirement to install services for high- speed internet to the site. The applicant will work with the City Engineer to identify the location of a fiber line to serve the project.
$\boxtimes$		17.96.060.E1 Compatibility of Design	The project's materials, colors and signing shall be complementary with the townscape, surrounding neighborhoods and adjoining structures.
		Staff Comments	The exterior elevations (Sheet A3.00) show the proposed materials, colors, and signage. The façade design alternates gray horizontal metal panels with brown vertical metal siding. Projecting towards

			Saddle Road, the four apparatus bays are distinguished from the rest of the fire station with black brick veneer and glass-panel garage doors. The modern building alludes to traditional firehouse design through red detailing framing the garage doors. Integrated with the architecture of the building, the Ketchum Fire Station 1 sign at the south elevation directs attention to the public entryway. In addition to the red firehouse doors, the 1 sign at the front elevation anchors the building as a fire station.  Residential, commercial, and light industrial development border the project site and PUD. Most of the surrounding neighborhood is developed with the exception of a few vacant properties in the light industrial area. To the east of the project site, the light industrial buildings are characterized by more simple design styles that combine stucco, concrete, and brick. Directly north of the project site, the Northwood Place façade design uses stone veneer to differentiate from the horizontal siding. Across Saddle Road, buildings including the church and townhomes integrate river rock, stone veneer, stucco, and wood siding into the façade design. The alternation of brick veneer with board-and-batten siding provides visual interest to the YMCA building.
			The materials proposed for the fire station are compatible with the surrounding neighborhood and nearby buildings. The design approach refashions traditional materials combined with contemporary finishes to augment visual interest. The new fire station will add modern style to the eclectic buildings within the neighborhood. The adaptation of traditional materials like the brick complements the more conventional design styles in the neighborhood.
	$\boxtimes$	17.96.060.E2 Compatibility of Design	Preservation of significant landmarks shall be encouraged and protected, where applicable. A significant landmark is one which gives historical and/or cultural importance to the neighborhood and/or community.
		Staff Comments	N/A. No significant landmarks of historical or cultural importance have been identified on the property. The project site has been used for parking and snow storage.
	$\boxtimes$	17.96.060.E3 Compatibility of Design	Additions to existing buildings, built prior to 1940, shall be complementary in design and use similar material and finishes of the building being added to.
		Staff Comments	N/A This standard does not apply because the fire station is new construction.
		17.96.060.F1 Architectural	Building(s) shall provide unobstructed pedestrian access to the nearest sidewalk and the entryway shall be clearly defined.

		Staff	The project plans include a path that borders the south side of fire
		Comments	station and directs pedestrians to the public entrance from the shared parking area. This pathway leads to the sidewalk that extends from Northwood Place to the YMCA. This internal circulation system will connect to the bike path across Saddle Road through existing crosswalks.  The fire station accommodates diverse spaces from living quarters to
			fire truck storage to maintenance areas to administrative offices.  These different fire station functions are separated within the building. The apparatus bays at the center of the station separate the administrative areas and firefighter living quarters from areas dedicated to emergency response operations, maintenance, and storage.
			The design of the entryway at the south elevation includes large windows and doors inviting the public into the facility. The entryway is distinguished from the rest of the fire station by brown metal siding and signage. The emergency response operations area incorporates
			with fewer windows and uses different materials combining the gray metal panels with the black brick.
$\boxtimes$	П	17.96.060.F2	The building character shall be clearly defined by use of architectural
		Architectural	features.
		Staff Comments	The fire station is characterized by modern design elements with simple building forms and functional floor plans. The orientation and placement of rectangular building shapes with flat roofs at varying heights define the fire station's functional arrangement.
			Separating the operations and maintenance areas from the administrative offices and living quarters, the apparatus bays at the center of the station are defined by the glass-paneled garage doors. These windows will introduce natural light into the apparatus bays while providing pedestrians a unique view of the stored fire engines.
			The southern portion of the building is distinguished from the rest of the fire station through its size, shape, and placement. With significant fenestration, the south façade design welcomes the public into the fire station. The pattern of material placement provides texture to the box building form. The vertical placement of the brown metal siding provides visual relief from the horizontal metal panels and black brick.
$\boxtimes$		17.96.060.F3	There shall be continuity of materials, colors and signing within the
		Architectural	project.

		Staff	The exterior walls of the building utilize the same metal and brick
		Comments	materials and gray, block, and brown color scheme. Highlighting the apparatus bays, the use of the firehouse red is limited to the apparatus-bay garage doors. The consistent pattern of material placement and colors across all building walls connects the diverse functions of the fire station into one cohesive design.
$\boxtimes$		17.96.060.F4	Accessory structures, fences, walls and landscape features within the
		Architectural	project shall match or complement the principal building.
		Staff Comments	Accessory Structures The 1,360 square foot carport at the southeast corner of the project site uses the same black brick material as the fire station. A row of rectangular windows at the carport's south elevation provides relief from the black brick veneer. The four parking spaces in the carport will be reserved for staff and command vehicles. A covered patio area will extend to the south of the carport. Utilizing the same material and color palette, the carport and patio match the fire station design theme.
			Fences & Gates In the 1990s, a 5-foot concrete retaining wall was constructed along the side property line to separate Tax Lot 6689 from the industrial area to the east. In addition to the existing CMU wall, the project includes a 4-foot tall patio fence, a 6-foot tall trellis, and a rolling gate (Sheets L1.00 & L1.50). The patio fence will not only enhance privacy, but also limits public access to the Fire Department operations area. Comprised of horizontal slats, the patio fence will match the color of the carport and covered patio. The trellis system separates the fire station from the Northwood Place apartments. Plants attach to panels so that the freestanding trellis will transform into a living fence. Multi-functional, the green trellis will enhance screening and soften the fires station's black, brown, and gray walls.
			Landscape The landscape plan is included on Sheets L1.00 and L1.500 of the project plans. Grass medians border Saddle Road and separate the northern driveway access from the apparatus-bay curb cut reserved for emergency response. Grasses and flowering plants are proposed along the front façade at either side of the center apparatus bays. Softening the building's hard edges, the plants invite and welcome the public into the fire station. Flowering plants and shrubs border the north side of the building softening the gray and brown metals panels. Boulders are incorporated throughout the landscape design providing visual interest.

			17.00.000.00	Duilding walls shall provide and ulation /police the consequence the
$\boxtimes$			Building walls shall provide undulation/relief, thus reducing the	
			Architectural	appearance of bulk and flatness.
			Staff	The fire station design uses rectangular shapes in different forms to
			Comments	reduce the flatness of building walls. The gray metal panels, black
				brick, brown metal siding, and window openings are all unique
				rectangular elements in different sizes and orientations. For example,
				the gray metal panels are placed horizontally and the brown metal
				siding is aligned vertically. This contrast of rectangular shapes
				provides visual interest to the box-shaped building. In addition to this
				rectangular arrangement, color variation and multiple windows and
				doors to breathe life into the fire station. The varying roof heights
				define the separate areas of the building. Projecting beyond the rest
				of the building, the firehouse red detailing highlight framing the glass
				panels focuses attention to the apparatus bays.
$\boxtimes$			17.96.060.F6	Building(s) shall orient towards their primary street frontage.
			Architectural	
			Staff	The front façade of the building orients towards Saddle Road.
			Comments	
$\boxtimes$			17.96.060.F7	Garbage storage areas and satellite receivers shall be screened from
			Architectural	public view and located off alleys.
			Staff	The concrete trash enclosure is located at the southeast corner of the
			Comments	project site. In addition to the concrete trash enclosure, the carport
				and fenced patio further screen the dumpster from public view.
				Prior to issuance of a Building Permit for the project, the applicant
				shall submit a will serve letter from Clear Creek Disposal to the
				Planning & Building Department.
				The project plans do not include any satellite receivers.
$\boxtimes$			17.96.060.F8	Building design shall include weather protection which prevents water
			Architectural	to drip or snow to slide on areas where pedestrians gather and
				circulate or onto adjacent properties.
			Staff	Enhancing weather protection, the flat roof form will prevent water
			Comments	from dripping or snow from sliding from the building. At the main
				entrance, the second floor cantilevers beyond the first floor to cover
				the pedestrian pathway.
$\boxtimes$			17.96.060.G1	Pedestrian, equestrian and bicycle access shall be located to connect
			Circulation	with existing and anticipated easements and pathways.
			Design	
			Staff	The project plans include a path that directs pedestrians to the public
			Comments	entrance from the shared parking area. This pathway leads to the

		internal circulation system connects to the bike path across Saddle Road through existing crosswalks.
	17.96.060.G2	Awnings extending over public sidewalks shall extend five (5') feet or more across the public sidewalk but shall not extend within two (2') feet of parking or travel lanes within the right of way.
	Circulation Design	N/A. No awnings are proposed to extend across the public sidewalk.
	17.96.060.G3 Circulation Design	Traffic shall flow safely within the project and onto adjacent streets.  Traffic includes vehicle, bicycle, pedestrian and equestrian use.  Consideration shall be given to adequate sight distances and proper signage.
	Staff Comments	Neighboring Highway 75, Saddle Road, and Warm Springs Road, the fire station site is centrally located with easy access to main routes to all service delivery areas. A driveway access off Saddle Road at the northwest corner of the site will facilitate two-way traffic to and from the fire station. The curb cut along the four apparatus bays will be reserved for emergency response. Sight line windows are incorporated into the building design that allow emergency responders to view any pedestrians or bicyclists approaching the station on the sidewalk and any obstructions in front of the apparatus bays.
		The City has engaged a traffic engineering firm to identify safety concerns and circulation conflicts between neighborhood traffic and Fire Department emergency response operations and identify any mitigation measures. These mitigation measures may include warning signals, traffic control devices, and alert systems. If the traffic study identifies circulation conflicts, the City will implement any mitigation measures necessary to ensure the safety of pedestrians, bicyclists, and drivers in the area.
		A comprehensive analysis of traffic circulation is included within Exhibit B of the Staff Report.  Prior to issuance of a Building Permit for the project, the City Engineer and Streets Department shall review the civil drawings to ensure adequate sight distances and proper signage for the proposed
		driveway access.
	17.96.060.G4 Circulation Design	Curb cuts and driveway entrances shall be no closer than twenty (20') feet to the nearest intersection of two or more streets, as measured along the property line adjacent to the right of way. Due to site conditions or current/projected traffic levels or speed, the City Engineer may increase the minimum distance requirements.

			Staff	The project site is located over 250 ft from Saddle Road's intersection
			Comments	with Park Circle and over 400 ft from the Saddle Road and Warm
				Springs Road intersection. Clear sight lines are provided to the north
				and south of the fire station driveways.
				Prior to issuance of a Building Permit for the project, the City Engineer
				and Streets Department shall review the civil drawings to ensure
				adequate sight distances and proper signage for the proposed
				parking access.
$\boxtimes$	П	П	17.96.060.G5	Unobstructed access shall be provided for emergency vehicles,
			Circulation	snowplows, garbage trucks and similar service vehicles to all necessary
			Design	locations within the proposed project.
			Staff	Clear sight lines are provided to the north and south of the fire station
			Comments	driveways. Sight line windows are incorporated into the building
			Comments	design that allow emergency responders to view any pedestrians or
				bicyclists approaching the station on the sidewalk and any
				obstructions in front of the apparatus bays. The north driveway
				access facilitates two-way traffic for staff vehicles to enter and exit
				the station. The curb cut at the apparatus bays is reserved for
				emergency response.
				emergency response.
				Garbage trucks will access the trash enclosure from the shared
				parking area to the south of the station. As the circulation areas will
				include a snowmelt system, snowplows will not need to remove snow
				from the site.
	П	$\boxtimes$	17.96.060.H1	Snow storage areas shall not be less than thirty percent (30%) of the
			Snow Storage	improved parking and pedestrian circulation areas.
			Staff	As permitted by KMC §17.96.060.H4, the traffic and pedestrian
			Comments	circulation areas will include a snowmelt system instead of a snow
				storage area.
	П	$\square$	17.96.060.H2	
				, , , , , , , , , , , , , , , , , , ,
			Staff	N/A. As indicated on Sheet C2.00 of the project plans, the fire station
			Comments	
				§17.96.060.H4.
		$\boxtimes$	17.96.060.H3	
			Snow Storage	five (5') feet and shall be a minimum of twenty-five (25) square feet.
			Staff	As permitted by KMC §17.96.060.H4, the project site will include a
			Comments	snowmelt system instead of a snow storage area.
$\boxtimes$			17.96.060.H4	In lieu of providing snow storage areas, snow melt and hauling of snow
			Snow Storage	may be allowed.
			Staff	The fire station paved circulation areas will include a snowmelt
			Comments	system instead of snow storage. Snow-melting all circulation areas
	1		ĺ	will enhance Fire Department operations and emergency response.
			Comments  17.96.060.H3 Snow Storage Staff Comments  17.96.060.H4 Snow Storage Staff	A designated snow storage area shall not have any dimension less than five (5') feet and shall be a minimum of twenty-five (25) square feet.  As permitted by KMC §17.96.060.H4, the project site will include a snowmelt system instead of a snow storage area.  In lieu of providing snow storage areas, snow melt and hauling of snow may be allowed.  The fire station paved circulation areas will include a snowmelt system instead of snow storage. Snow-melting all circulation areas

$\boxtimes$		17.96.060.I1	Landscaping is required for all projects.
		Landscaping	
		Staff	The landscape plan is included on Sheets L1.00 and L1.50 of the
		Comments	project plans. The grasses, flowering plants, and shrubs complement
			the fire station's modern design.
$\boxtimes$		17.96.060.12	Landscape materials and vegetation types specified shall be readily
		Landscaping	adaptable to a site's microclimate, soil conditions, orientation and
			aspect, and shall serve to enhance and complement the neighborhood
			and townscape.
		Staff	The landscape materials and vegetation types shall be readily
		Comments	adaptable to the site's microclimate, soil conditions, orientation, and
			aspect. The proposed landscaping will soften the fire station's hard
			lines and rectangular mass. Bordering the front property line, the tall
			grasses and flowering plants augment the welcoming entryway to the
			fire station.
$\boxtimes$		17.96.060.13	All trees, shrubs, grasses and perennials shall be drought tolerant.
		Landscaping	Native species are recommended but not required.
		Staff	All proposed landscape materials and vegetation types shall be
		Comments	drought tolerant. The applicant is encouraged to select native species.
$\boxtimes$		17.96.060.14	Landscaping shall provide a substantial buffer between land uses,
		Landscaping	including, but not limited to, structures, streets and parking lots. The
			development of landscaped public courtyards, including trees and
			shrubs where appropriate, shall be encouraged.
		Staff	The proposed landscaping is appropriate for the fire station project.
		Comments	The living trellis buffers the fire station from the Northwood Place
			apartments. An existing retaining wall separates the project site from
	<u> </u>		the light industrial area.
		17.96.060.J1	Where sidewalks are required, pedestrian amenities shall be installed.
		Public	Amenities may include, but are not limited to, benches and other
		Amenities	seating, kiosks, bus shelters, trash receptacles, restrooms, fountains,
			art, etc. All public amenities shall receive approval from the Public
			Works Department prior to design review approval from the
		Chaff	Commission.
		Staff	The project will realign the existing sidewalk that extends from
		Comments	Northwood Place to the YMCA. The width does not provide sufficient
			clearance to allow public amenities within the sidewalk design while
			still maintaining a clear path of travel as required by ADA. Further,
			sight constraints limit available locations to install amenities as any
			obstruction would conflict with vehicle ingress and egress into the site. Due to associated site constraints and potential conflicts with
			Fire Department operations, the fire station project does not propose
			any exterior public amenities such as benches. The community room
			and public restrooms provided within the fire station satisfy the public
			amenity requirement.
<u></u>			unicinty requirement.

#### RECOMMENDED MOTION

"I move to approve the Ketchum Fire Station Design Review subject to conditions."

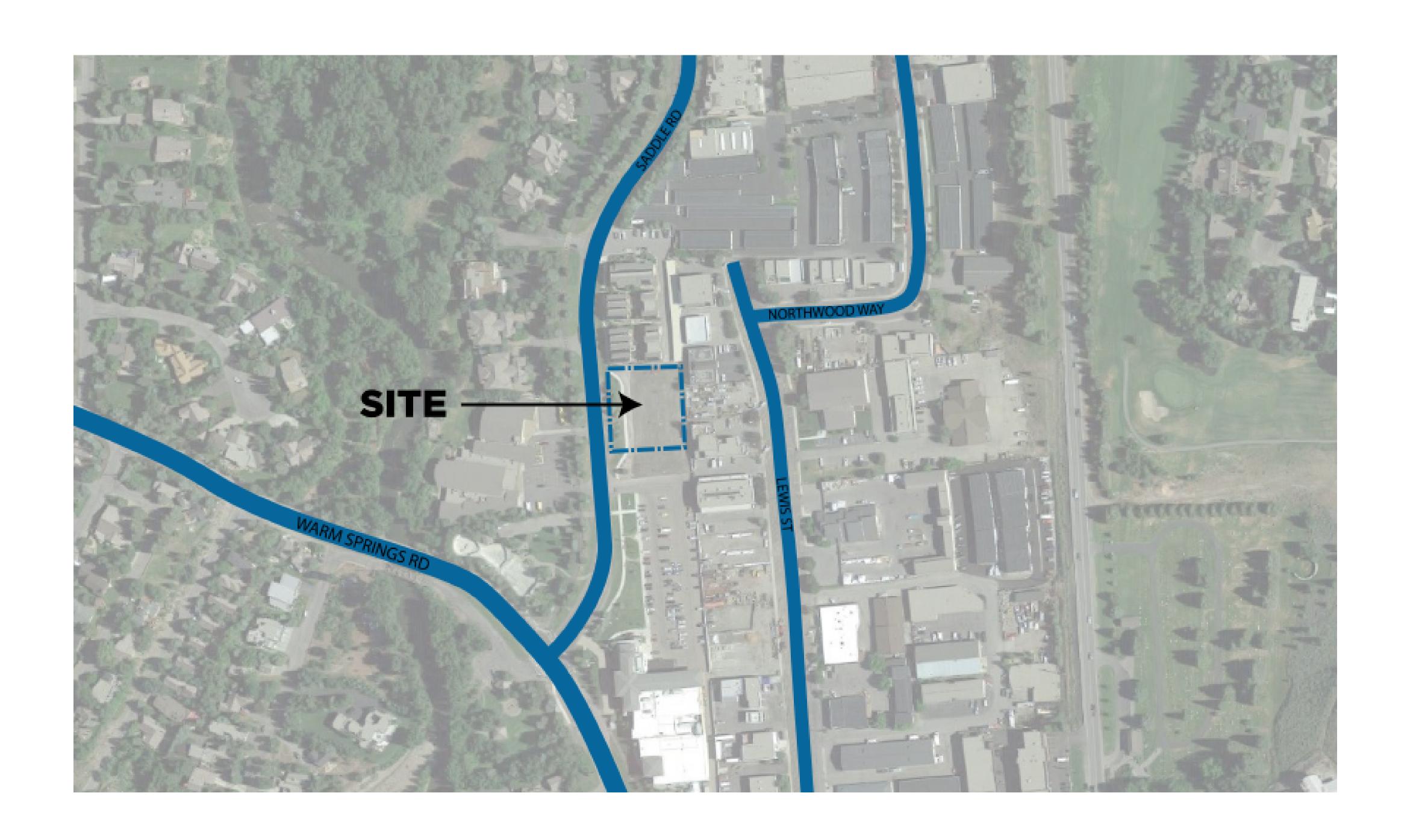
#### RECOMMENDED CONDITIONS OF APPROVAL

- 1. This Design Review approval is subject to all comments and conditions as described in Tables 2, 3, and 4.
- 2. This Design Review approval is based on the plans and information presented and approved at the meeting on the date noted herein. Building Permit plans for all on-site improvements must conform to the approved Design Review plans unless otherwise approved in writing by the Planning and Zoning Commission or Administrator. Any building or site discrepancies which do not conform to the approved plans will be subject to removal.
- 3. All governing ordinances, requirements, and regulations of the Fire Department (2012 International Fire Code and local Fire Protection Ordinance No.1125), Building Department (2012 International Building Code, the 2012 International Residential Code, and Title 15 of Ketchum Municipal Code), Utilities Department, Street Department (Title 12 of Ketchum Municipal Code), and the City Engineer shall be met prior to Certificate of Occupancy.
- 4. The applicant shall submit final civil drawings prepared by an engineer registered in the State of Idaho to include specification for the ROW, utilities, and drainage improvements to be reviewed and approved by the City Engineer, Streets, and Utilities departments prior to issuance of a Building Permit for the project.
- 5. The term of Design Review approval shall be twelve (12) months from the date that the Findings of Fact, Conclusions of Law, and Decision are adopted by the Commission or upon appeal, the date the approval is granted by the Council subject to changes in zoning regulations (KMC §17.96.090).
- 6. All Design Review elements shall be completed prior to issuance of a Certificate of Occupancy for the building.
- 7. All exterior lighting on the property shall be in compliance with Ketchum Municipal Code, Chapter 17.132, Dark Skies, and shall be inspected by Planning Staff and approved prior the issuance of a Certificate of Occupancy for the building.
- 8. The project shall comply with the requirements of §17.124.040 Development Standards as adopted on the date a Building Permit is submitted for the project.
- 9. Prior to issuance of a Building Permit for the project, the applicant shall submit a construction management plans, which addresses each of the standards as set forth in Ketchum Municipal Code, Chapter 15.06 Construction Activity Standards.
- 10. In addition to the requirements set forth in this Design Review approval, this project shall comply with all applicable local, state, and federal laws.

### **EXHIBITS:**

- A. Project Plans
- B. Response to Planning and Zoning Commission Comments on the Fire Station Pre-Application Design Review

# Exhibit A: Project Plans





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CONSULTANT

PROJECT INFORMATION



## KETCHUM FIRE STATION

107 SADDLE ROAD, KETCHUM, ID 83353

ISSUES

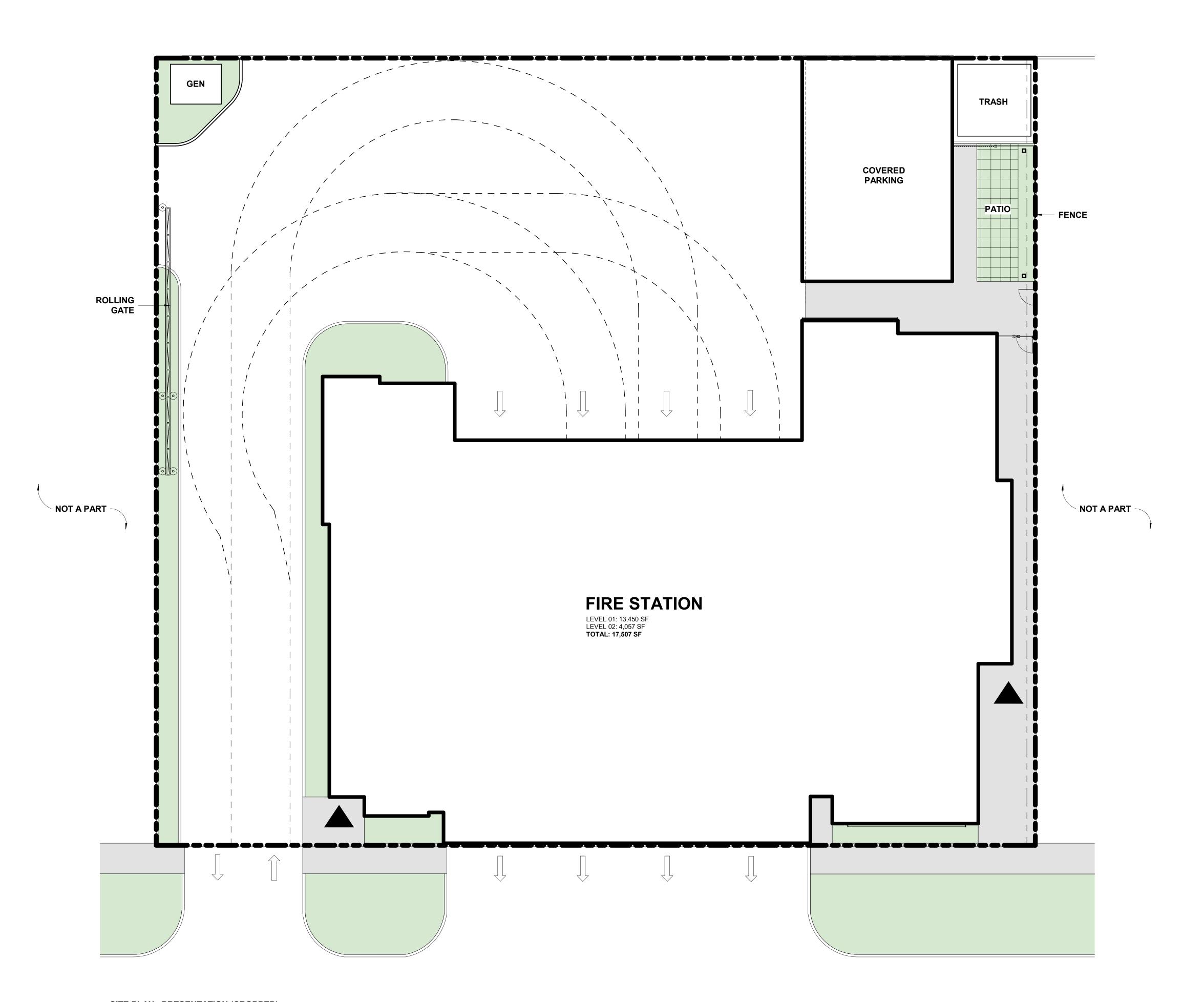
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JOB NUMBER	18-
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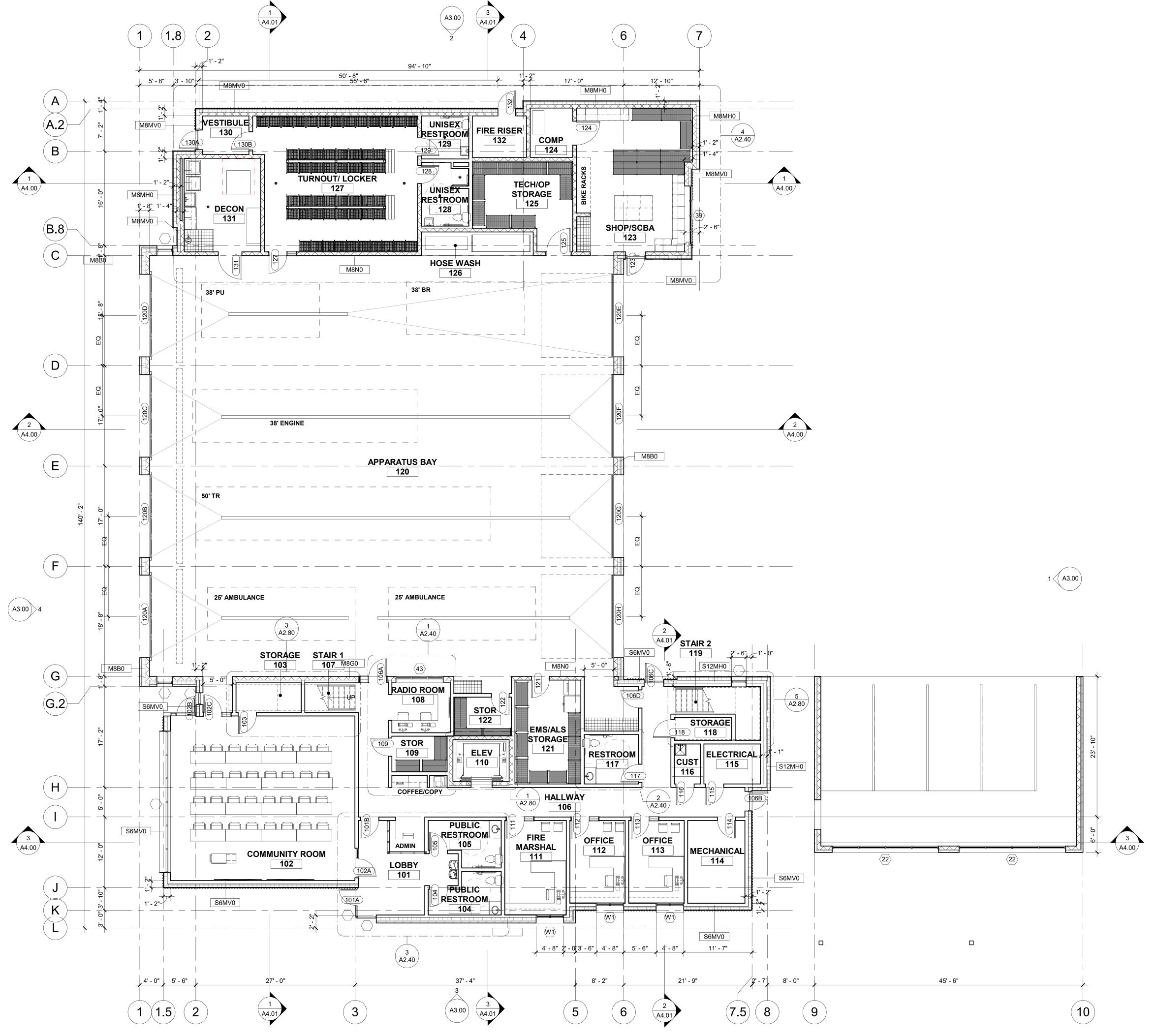
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A1.00



1 SCALE | 1/8" = 1'-0"

## **GENERAL NOTES**

- A. FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS. NOTIFY ARCHITECT IMMEDIATELY IF ANY CONFLICTS OR DISCREPANCIES OCCUR BEFORE PROCEEDING WITH WORK.
- B. CROSS REFERENCES SHOWN ON DRAWINGS DO NOT NECESSARILY INDICATE ALL LIKE CONDITIONS AND DO NOT LIMIT APPLICATION OF ANY DRAWING OR DETAIL. WHERE SPECIFIC DIMENSIONS, DETAILS, OR DESIGN INTENT CANNOT BE DETERMINED, CONSULT THE ARCHITECT PRIOR TO PROCEEDING WITH WORK. IF DESIGN INTENT REMAINS UNCLEAR THEN PROVIDE MOST EXPENSIVE OPTION IN BID.
- C. PROVIDE SOLID BLOCKING IN WALLS FOR ALL WALL HUNG EQUIPMENT. BLOCKING TO MEET OR EXCEED MANUFACTURER'S RECOMMENDATIONS. FASTEN EQUIPMENT TO WALLS PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE BLOCKING FOR, BUT NOT LIMITED TO THE FOLLOWING: MILLWORK, RAILING, FIRE EXTINGUISHER ACCESSORIES, WALL MOUNTED PLUMBING FIXTURES, SHELVING, ELECTRICAL EQUIPMENT, RESTROOM ACCESSORIES AND DISPLAY ITEMS.
- D. CAULK ALL COUNTERTOPS, BACKSPLASHES AND CABINETS AT LOCATIONS WHERE THEY MEET WALLS. SEAL ALL CUT-OUTS IN COUNTERTOPS.
- E. ERECT DUST PROOF PARTITIONS AS REQUIRED BY OWNER TO PROTECT ADJACENT AREAS.
- F. SEAL AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT PENETRATIONS AT WALLS. AT RATED WALLS USE A U.L. APPROVED FIRE-STOPPING MATERIAL.
- G. PROVIDE 4" DOOR JAMBS FROM FACE-OF-FINISH AT ADJACENT WALLS ON THE HINGE SIDE OR UNLESS OTHERWISE INDICATED.
- H. DIMENSIONS ARE TO GRID LINE OR FACE OF STRUCTURAL MEMBER UNLESS OTHERWISE NOTED. DOOR & WINDOW OPENING DIMENSIONS ARE TO ROUGH OPENING OR CENTERLINE OF OPENING. CONCRETE AND BRICK DIMENSIONS ARE GIVEN TO THE FACE OF CONCRETE OR MASONRY AND TO THE FACE OF ROUGH OPENINGS.
- WHEN APPLICABLE UNLESS NOTED OTHERWISE, USE CDX PLYWOOD FOR EXTERIOR AND CONCEALED APPLICATIONS AND AB PLYWOOD FOR EXPOSED INTERIOR APPLICATIONS.



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## KETCHUM FIRE STATION

107 SADDLE ROAD, KETCHUM, ID 83353

ISSUES

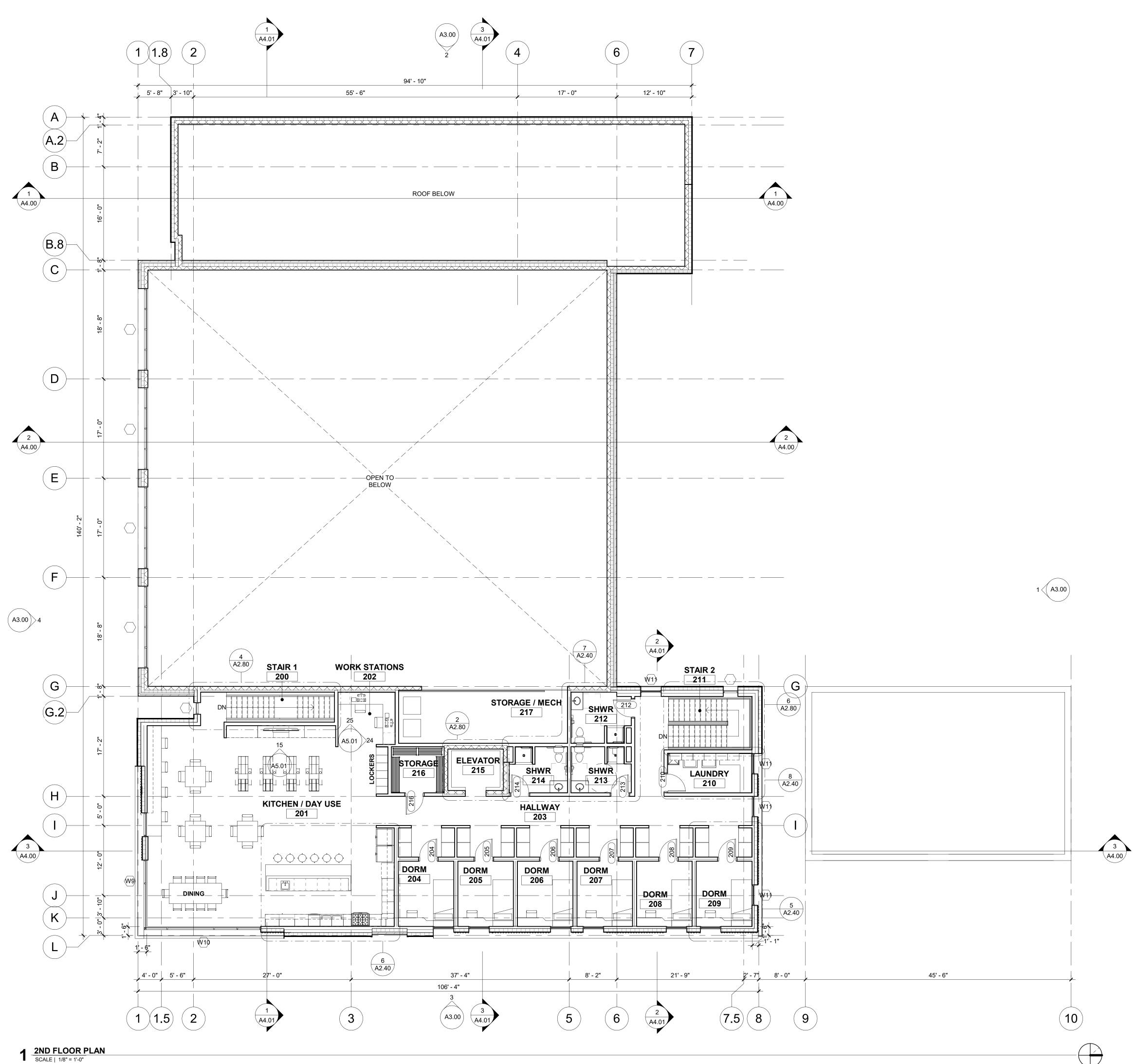
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FLOOR PLAN -LEVEL 01

SHEET NUMBER

A2.01



## **GENERAL NOTES**

- A. FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS. NOTIFY ARCHITECT IMMEDIATELY IF ANY CONFLICTS OR DISCREPANCIES OCCUR BEFORE PROCEEDING WITH WORK.
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## KEYNOTES #

1. XX



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## KETCHUM FIRE STATION

107 SADDLE ROAD, KETCHUM, ID 83353

ISSUES

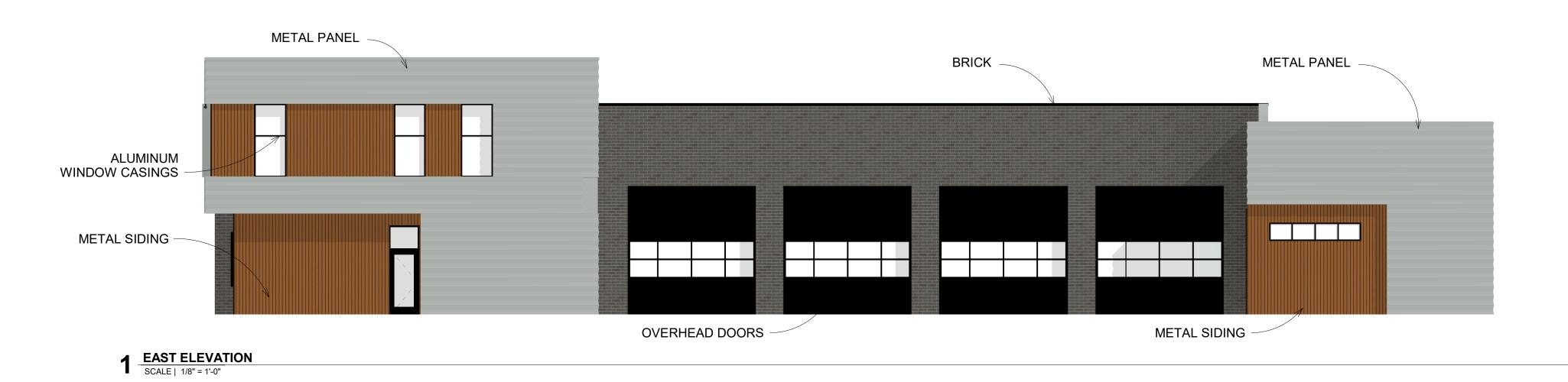
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DATE	FEBRUARY 3, 20	
JOB NUMBER	18-0	
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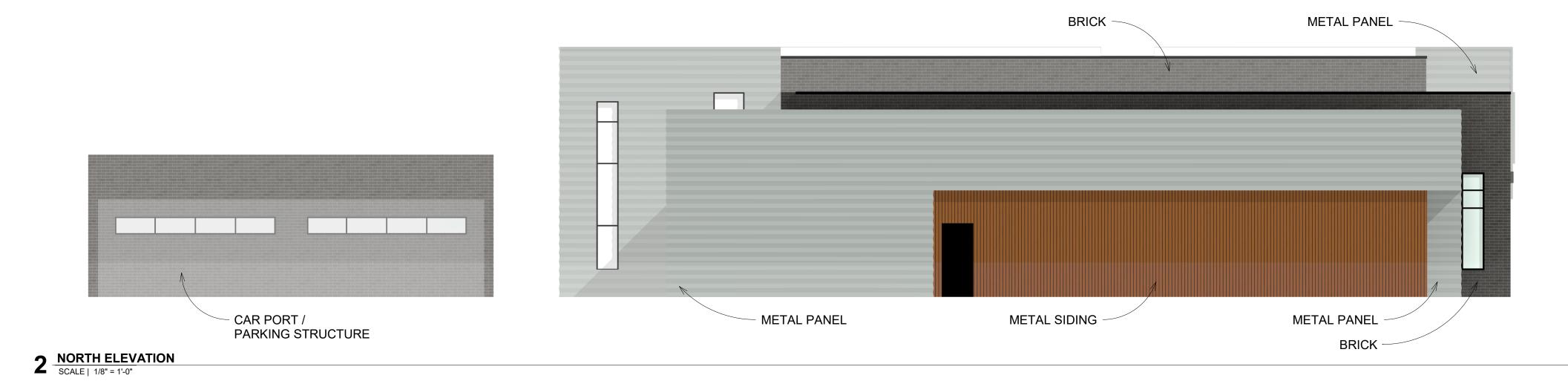
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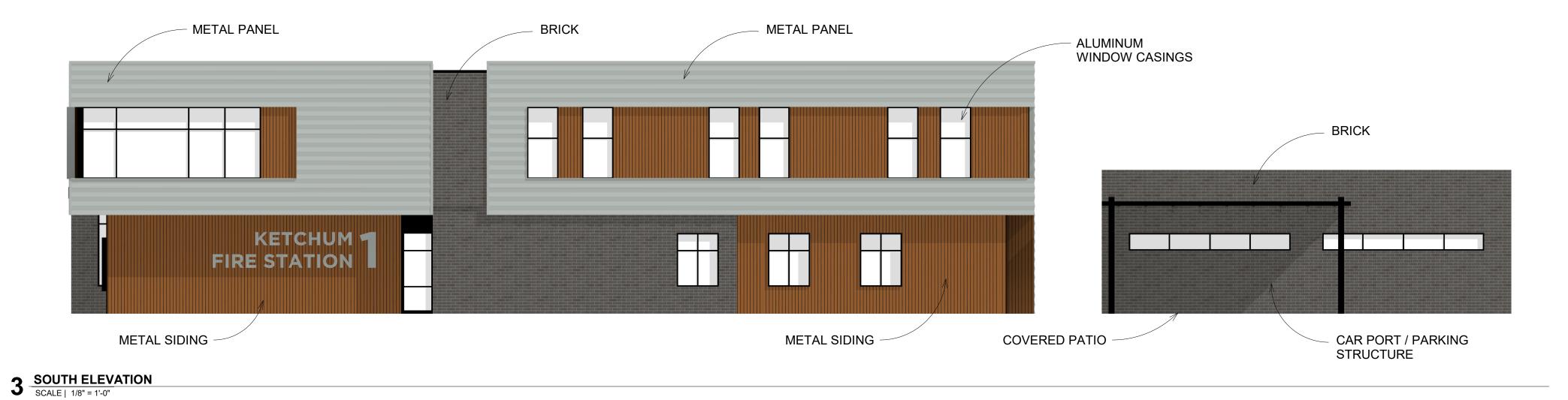
FLOOR PLAN -LEVEL 02

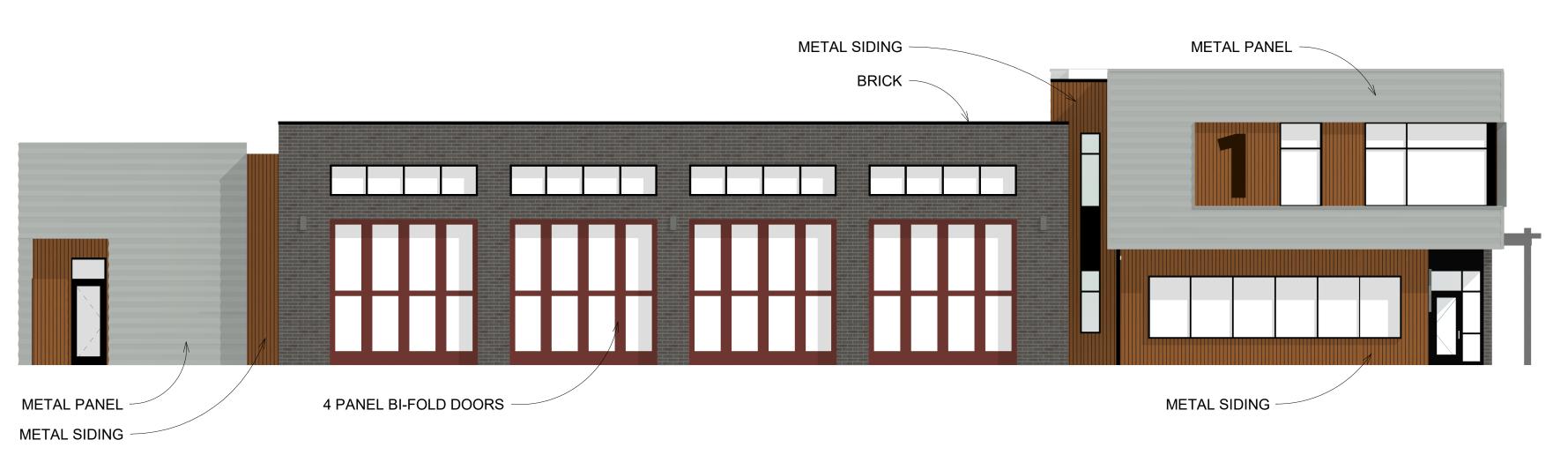
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**A2.02** 









4 WEST ELEVATION
SCALE | 1/8" = 1'-0"

## **GENERAL NOTES**

- A. GENERAL NOTES APPLY TO ALL DRAWING SETS.
- B. FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS. NOTIFY ARCHITECT IMMEDIATELY IF ANY CONFLICTS OR DISCREPANCIES OCCUR BEFORE PROCEEDING WITH WORK.
- C. CROSS REFERENCES SHOWN ON DRAWINGS DO NOT NECESSARILY INDICATE ALL LIKE CONDITIONS AND DO NOT LIMIT APPLICATION OF ANY DRAWING OR DETAIL. WHERE SPECIFIC DIMENSIONS, DETAILS, OR DESIGN INTENT CANNOT BE DETERMINED, CONSULT THE ARCHITECT PRIOR TO PROCEEDING WITH WORK. IF DESIGN INTENT REMAINS UNCLEAR THEN PROVIDE MOST EXPENSIVE OPTION IN BID.
- D. DIMENSIONS ARE TO GRID LINE OR FACE OF STRUCTURAL MEMBER UNLESS OTHERWISE NOTED. DOOR & WINDOW OPENING DIMENSIONS ARE TO ROUGH OPENING OR CENTERLINE OF OPENING. CONCRETE AND BRICK DIMENSIONS ARE GIVEN TO THE FACE OF CONCRETE OR MASONRY AND TO THE FACE OF ROUGH OPENINGS.



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PROJECT INFORMATION



## KETCHUM FIRE STATION

107 SADDLE ROAD, KETCHUM, ID 83353

ISSUES		
PHASE	DESIGN REVIEW FEBRUARY 3, 2020 18-022	
DATE		
JOB NUMBER		
MARK DATE	DESCRIPTION	

SHEET NAME

EXTERIOR ELEVATIONS

SHEET NUMBER

A3.00





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## KETCHUM FIRE STATION

107 SADDLE ROAD, KETCHUM, ID 83353

ISSUES

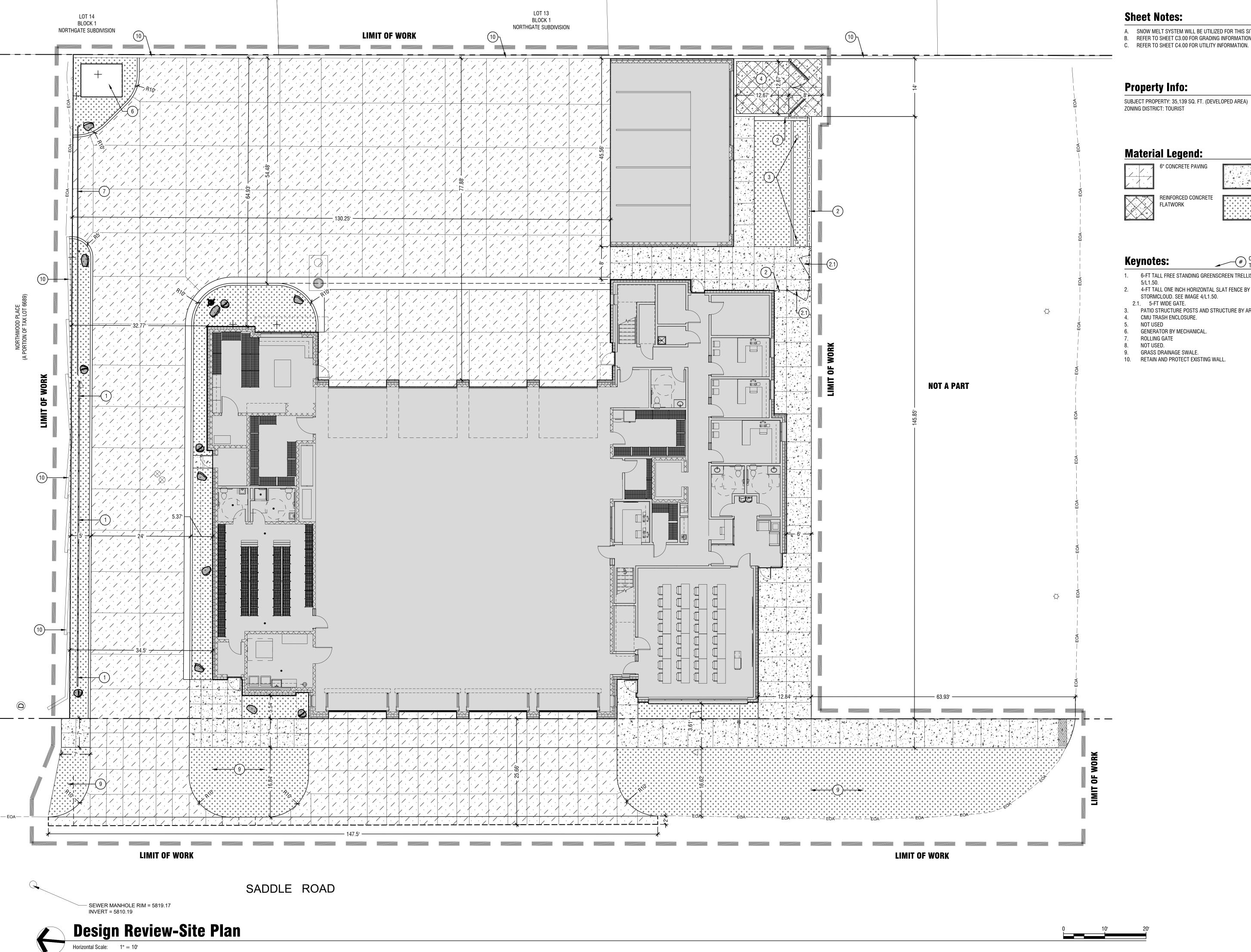
PHASE	DESIGN REVIE	
DATE	FEBRUARY 3, 202	
JOB NUMBER	18-02	
MARK DATE	DESCRIPTION	

SHEET NAME

3D PERSPECTIVE

SHEET NUMBER

G0.20



- A. SNOW MELT SYSTEM WILL BE UTILIZED FOR THIS SITE.B. REFER TO SHEET C3.00 FOR GRADING INFORMATION.

SUBJECT PROPERTY: 35,139 SQ. FT. (DEVELOPED AREA)

### **Material Legend:**

STANDARD CONCRETE FLATWORK

LANDSCAPE AREA - REFER TO SHEET L1.00 FOR MORE INFORMATION.

# CALLOUT NUMBERS COORDINATED TO NUMBERED NOTES BELOW.

- 1. 6-FT TALL FREE STANDING GREENSCREEN TRELLISING SYSTEM SEE IMAGE
- 2. 4-FT TALL ONE INCH HORIZONTAL SLAT FENCE BY LANDSCAPE FORMS. COLOR: STORMCLOUD. SEE IMAGE 4/L1.50.
- 3. PATIO STRUCTURE POSTS AND STRUCTURE BY ARCHITECTS.
- CMU TRASH ENCLOSURE.
- GENERATOR BY MECHANICAL.
- GRASS DRAINAGE SWALE. 10. RETAIN AND PROTECT EXISTING WALL.

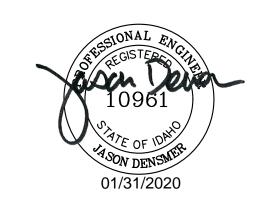
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### **KETCHUM FIRE STATION**

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PHASE **DESIGN REVIEW** FEBRUARY 3, 2020 DATE JOB NUMBER 18-022

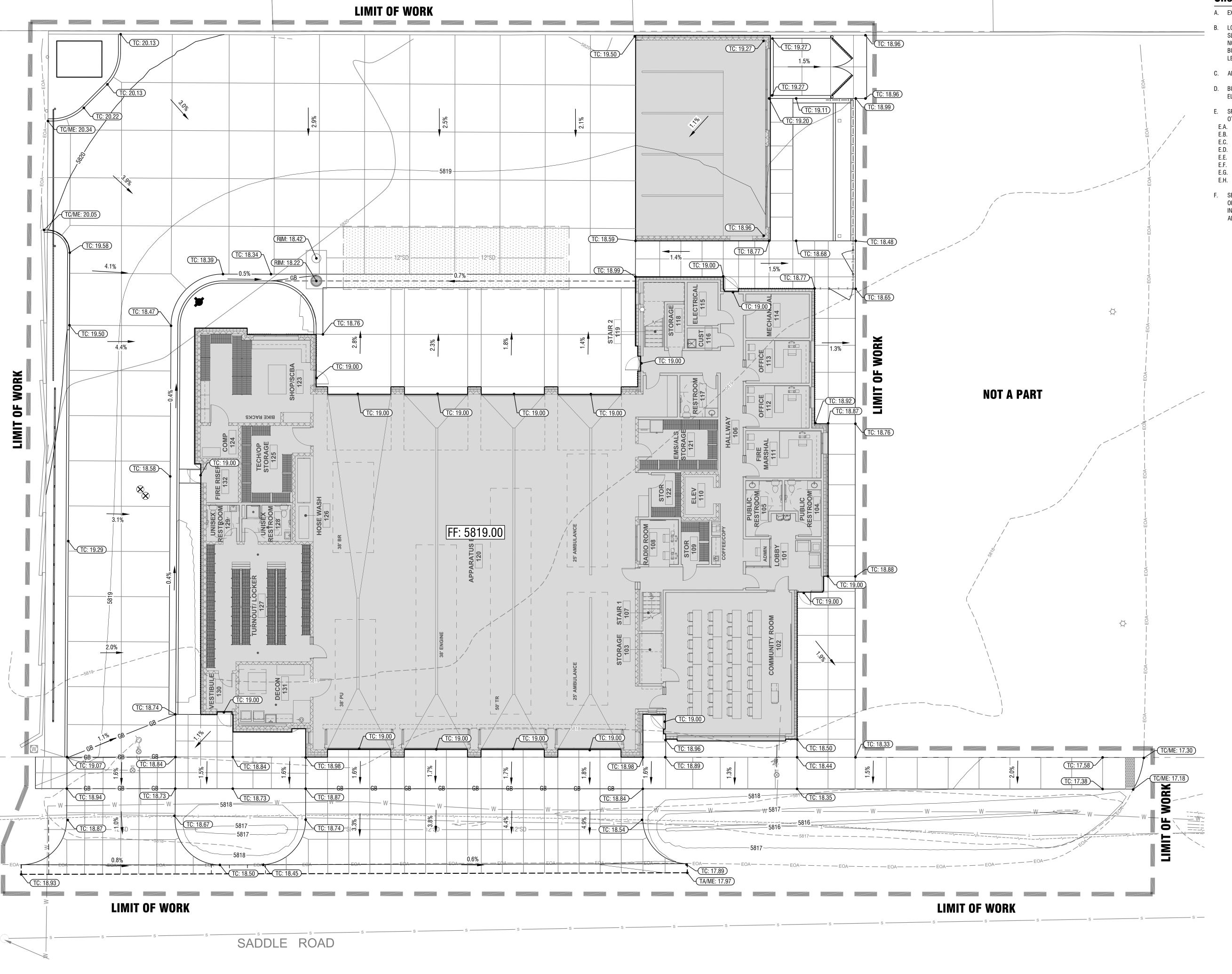
MARK DATE DESCRIPTION

SHEET NAME

SITE PLAN

SHEET NUMBER

C2.00



Design Review-Grading Plan

Horizontal Scale: 1" = 10'

### **Sheet Notes:**

- A. EXISTING AND PROPOSED CONTOURS ARE AT A 1-FT INTERVAL.
- B. LONGITUDINAL SLOPE OF ALL SIDEWALKS SHALL NOT EXCEED 5%. CROSS SLOPE SHALL NOT EXCEED 2%. SLOPES WITHIN PEDESTRIAN RAMPS SHALL NOT EXCEED 12:1 SLOPE IN ANY DIRECTION. FLATWORK ADJACENT TO THE BUILDING SHALL NOT EXCEED 2.0% CROSS SLOPE OR HAVE CROSS SLOPE LESS THAN 1.0%.
- C. ADD 2500 FEET TO ALL SPOT ELEVATIONS FOR ACTUAL ELEVATION.
- D. BUILDING FINISH FLOOR ELEVATION 2561.50' REFERS TO ARCHITECTURAL ELEVATION 100'-0".
- E. SPOT ELEVATIONS INDICATE TOP OF CONCRETE SURFACE UNLESS NOTED
- OTHERWISE AS FOLLOWS: E.A. FF = FINISH FLOOR
- E.B. FL=FLOW LINE
- ME= MATCH EXISTING
- RIM = RIM OF STRUCTURETA = TOP OF ASPHALT
- TBC = TOP BACK OF CURB
- E.G. TC = TOP OF CONCRETEE.H. FG = FINISH GRADE
- F. SET FLAT WORK ADJACENT TO BUILDING FLUSH WITH FINISH FLOOR AT DOOR OPENING AND UNIFORMLY TRANSITION TO REVEAL 2" OF STEM WALL UNLESS INDICATED OTHERWISE. SLOPES SHALL NOT EXCEED 2% IN ANY DIRECTION ADJACENT TO THE BUILDING.



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### **KETCHUM FIRE STATION**

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**ISSUES** 

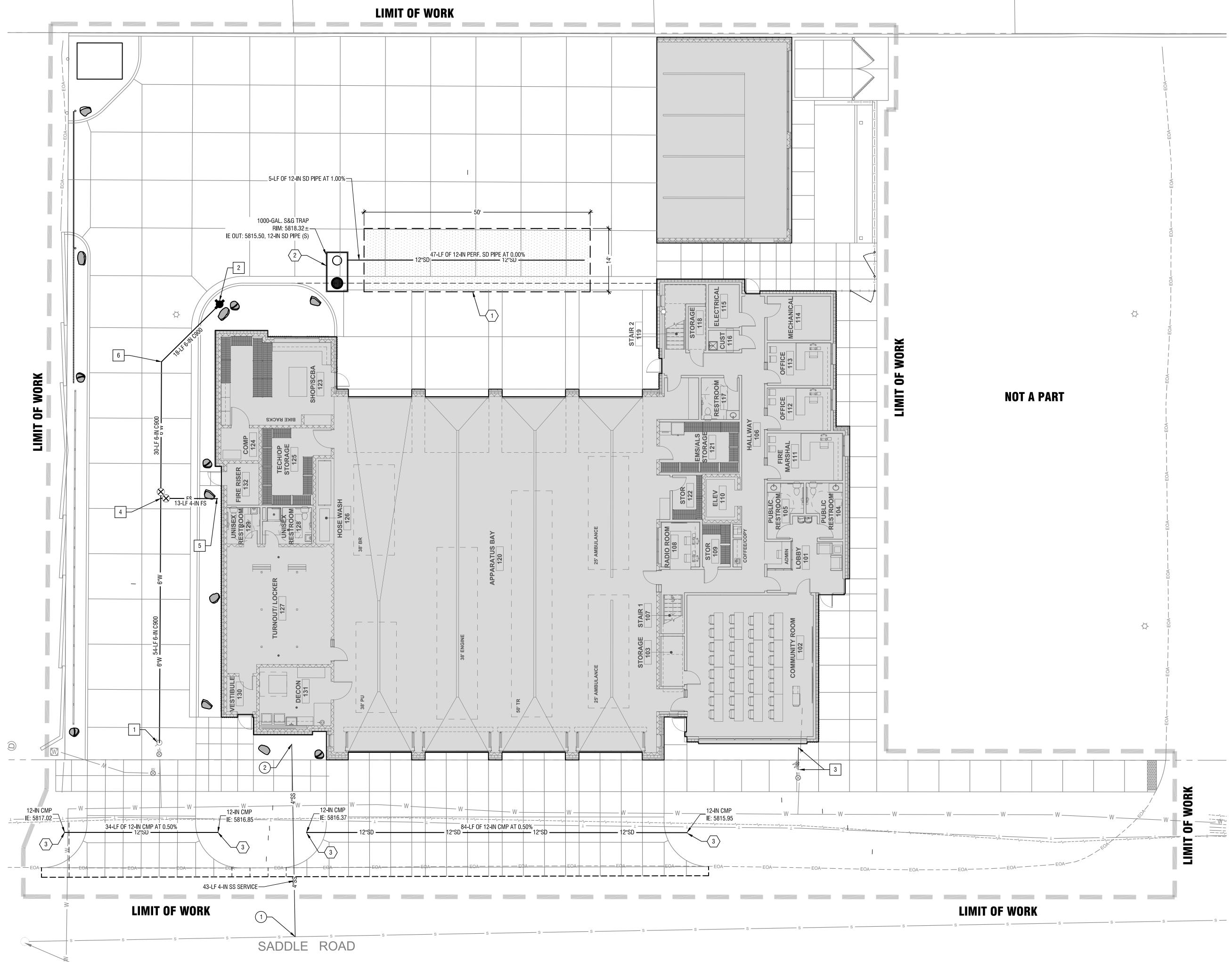
PHASE		DESIGN REVIEW		
DATE		FEBRUARY 3, 202		
JOB NUMBER		18-022		
MARK	DATE	DESCRIPTION		

SHEET NAME

**GRADING PLAN** 

SHEET NUMBER

C3.00



Design Review-Utililties Plan

Horizontal Scale: 1" = 10'

### **Sheet Notes:**

- 1. ALL CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH THE LATEST EDITION OF THE IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION AND THE CITY OF KETCHUM REVISIONS TO THE ISPWC.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCATION AND ELEVATION OF ALL TIE IN POINTS PRIOR TO CONSTRUCTION AND SHALL CONTACT THE DESIGN ENGINEER WITH ANY DISCREPANCIES.
- 3. BOTH DOMESTIC AND FIRE SERVICE LINES REQUIRE A BACKFLOW PREVENTION DEVICE AT THE POINT OF ENTRY TO ANY BUILDING. THE TYPE OF DEVICE IS CONTINGENT UPON THE DEGREE OF HAZARD AND MUST MEET IDAHO DEQ STANDARDS. SEE MECHANICAL PLANS FOR BACK FLOW PREVENTION DEVICE.
- 4. PIPE LENGTHS SPECIFIED ARE FROM FITTING TO FITTING OR FITTING TO CONNECTION POINT AND ARE SHOWN FOR CONVENIENCE ONLY AS ACTUAL INSTALLED LENGTH MAY VARY FROM PLAN.

### **Water Keynotes:**



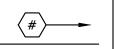
- REMOVE EXISTING FIRE HYDRANT AND REINSTALL AT NEW LOCATION.
- 2. RE-INSTALL FIRE HYDRANT ASSEMBLY PER ISPWC SD-404.
- 3. INSTALL WATER METER PER CITY OF KETCHUM STANDARDS. COORDINATE CONTINUATION WITHIN STRUCTURE PER MECHANICAL PLAN.
- 4. INSTALL FIRE-SERVICE STUB IN COORDINATION WITH BUILDING FIRE SPRINKLER DESIGN. INSTALL APPROPRIATELY SIZED FITTINGS AND THRUST BLOCK PER ISPWC SD-403. COORDINATE SIZES WITH FIRE SPRINKLER DESIGN. APPROXIMATE 4-INCH LINE.
- 5. COORDINATE CONTINUATION OF FIRE SERVICE WITHIN STRUCTURE PER FIRE SPRINKLER DESIGN.
- 6. INSTALL 45° BEND AND THRUST BLOCK PER ISPWC SD-403.

### Sewer Keynotes:



- TAP EXISTING SEWER MAIN. COORDINATE CONNECTION WITH THE CITY OF KETCHUM.
- 2. COORDINATE CONTINUATION OF FIRE SERVICE WITHIN STRUCTURE PER FIRE SPRINKLER DESIGN.

### **Storm Drain Keynotes:**



- 1. INSTALL 14'W x 50'L X 7' D SEEPAGE BED.
- 2. INSTALL OLDCASTLE PRECAST 1000 GALLON SAND AND GREASE TRAP OR APPROVED EQUIVALENT.
- 3. INSTALL FLARE END SECTION.



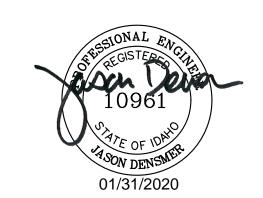
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## KETCHUM FIRE STATION

107 SADDLE ROAD, KETCHUM, ID 83353

ISSUES

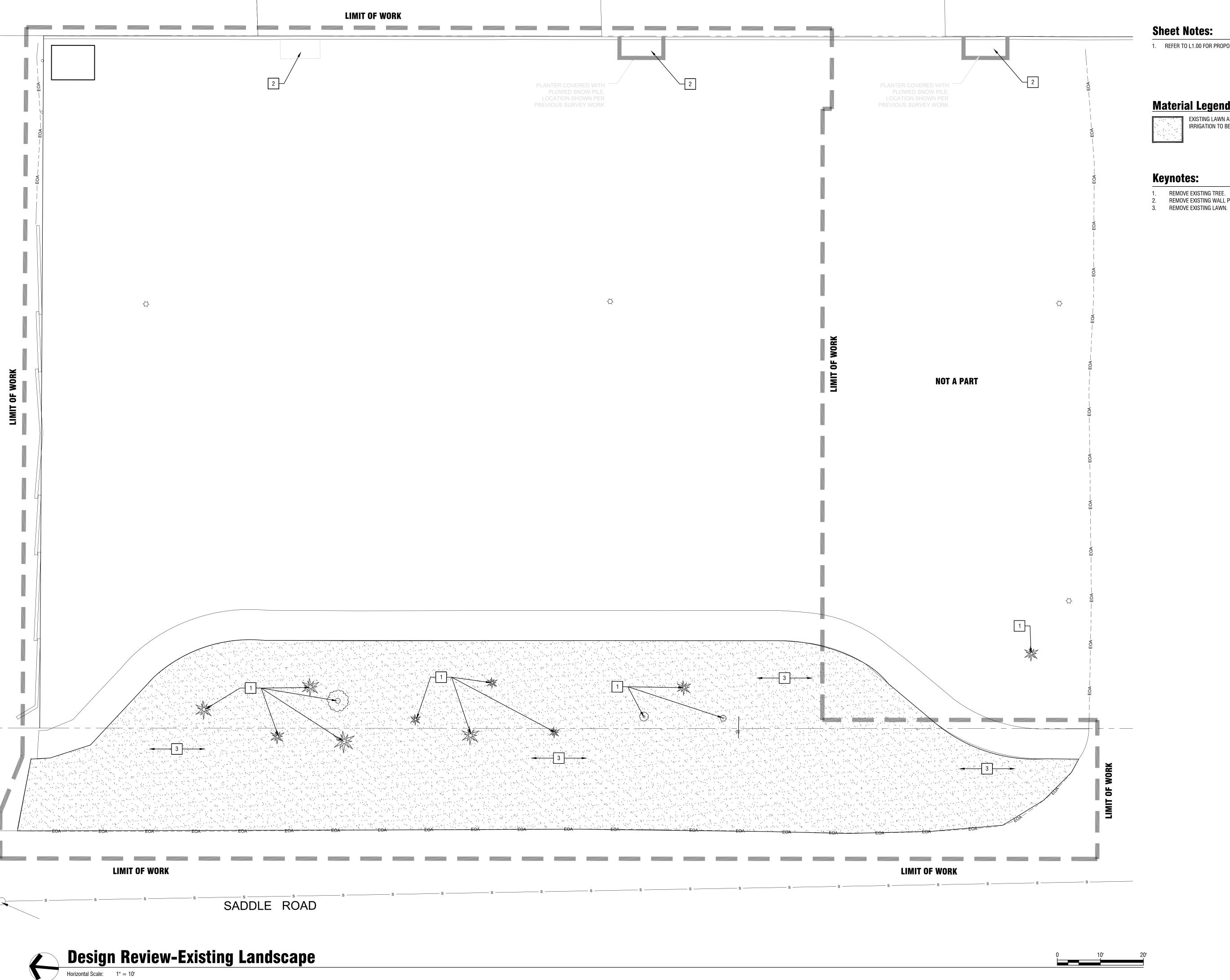
ASE		DESIGN REVIEW
TE		FEBRUARY 3, 2020
B NUMBER		18-022
ARK	DATE	DESCRIPTION

SHEET NAME

**UTILILTIES PLAN** 

SHEET NUMBER

C4.00



### **Sheet Notes:**

1. REFER TO L1.00 FOR PROPOSED LANDSCAPE.

### **Material Legend:**



EXISTING LAWN AND IRRIGATION TO BE REMOVED

### **Keynotes:**

# CALLOUT NUMBERS COORDINATED TO NUMBERED NOTES BELOW.

REMOVE EXISTING TREE. REMOVE EXISTING WALL PLANTER AND VEGETATION IN PLANTER.



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### KETCHUM FIRE **STATION**

107 SADDLE ROAD, KETCHUM, ID 83353

ISSUES

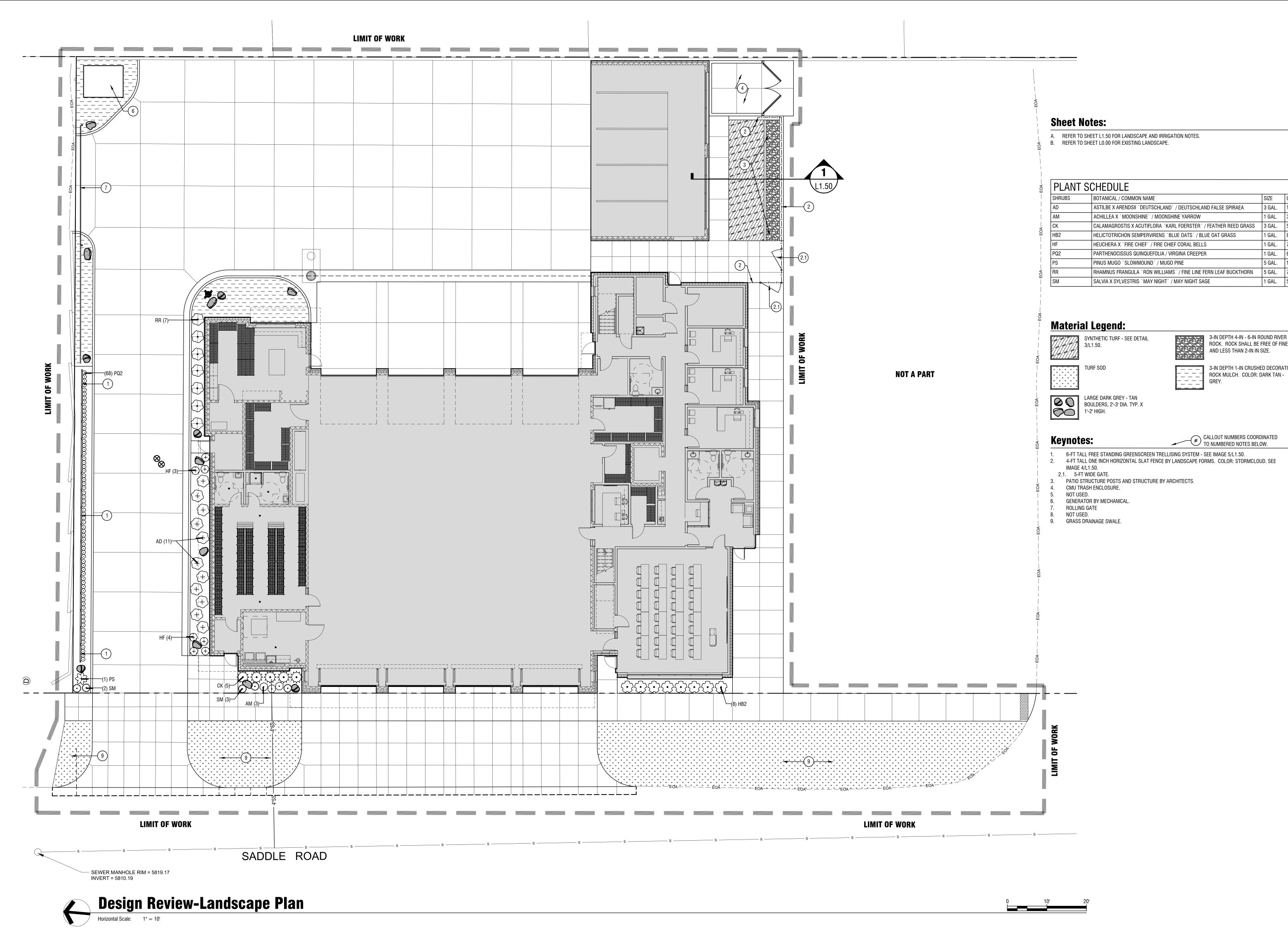
PHASE	DESIGN REVIEW
DATE	FEBRUARY 3, 2020
JOB NUMBER	18-022
MARK DATE	DESCRIPTION

SHEET NAME

**EXISTING** LANDSCAPE

SHEET NUMBER

**L0.00** 





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1 GAL. | 8

1 GAL.

5 GAL.

3-IN DEPTH 4-IN - 6-IN ROUND RIVER

AND LESS THAN 2-IN IN SIZE.

ROCK. ROCK SHALL BE FREE OF FINES

3-IN DEPTH 1-IN CRUSHED DECORATIVE ROCK MULCH. COLOR: DARK TAN -

1 GAL. 68

1 GAL. 5



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PROJECT INFORMATION



### **KETCHUM FIRE STATION**

107 SADDLE ROAD, KETCHUM, ID 83353

ISSUES

PHASE	DESIGN REVIEW	
DATE	FEBRUARY 3, 202	
JOB NUMBER	18-022	
MARK DATE	DESCRIPTION	

SHEET NAME

LANDSCAPE PLAN

SHEET NUMBER

L1.00

### **Landscape Notes:**

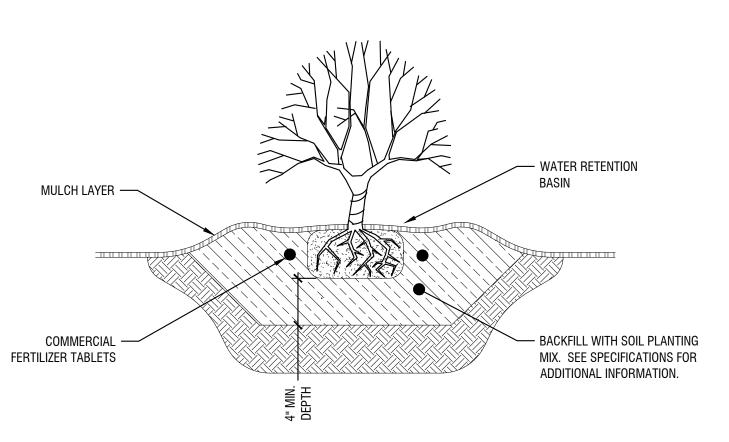
- A. CONTRACTOR SHALL REPORT TO LANDSCAPE ARCHITECT ALL CONDITIONS WHICH IMPAIR AND/OR PREVENT THE PROPER EXECUTION OF THIS WORK, PRIOR TO BEGINNING WORK.
- B. FINISH GRADES TO BE SMOOTH AND EVEN GRADIENTS WITH POSITIVE DRAINAGE IN ACCORDANCE WITH SITE GRADING PLAN. REMOVE RIDGES AND FILL DEPRESSIONS, AS REQUIRED TO MEET FINISH GRADES. PLACE 3" OF BARK MULCH, UNLESS SPECIFIED OTHERWISE, OVER SUBGRADE SOIL TO ACHIEVE FINISH GRADE. FINISH GRADE RELATED TO ADJACENT SITE ELEMENTS SHALL BE:
- B.A. 1-INCH BELOW TOP OF ADJACENT PAVEMENT, VALVE BOX, VAULT, ETC.
- B.B. 3-INCHES BELOW TOP OF CURB UNLESS NOTED OTHERWISE. C. ALL PLANTING BEDS SHALL HAVE A MINIMUM OF 18" OF TOPSOIL, SOD AREAS A MINIMUM OF 12" OF TOPSOIL. SPREAD, COMPACT AND FINE GRADE TOPSOIL TO A SMOOTH AND UNIFORM GRADE.
- D. RE-USE EXISTING SURFACE TOPSOIL WHERE POSSIBLE. VERIFY SUITABILITY OF SURFACE SOIL TO PRODUCE TOPSOIL MEETING REQUIREMENTS AND AMEND WHEN NECESSARY. TOPSOIL SHALL BE A LOOSE, FRIABLE, SANDY LOAM, CLEAN AND FREE OF TOXIC MATERIALS, NOXIOUS WEEDS, WEED SEEDS, ROCKS, GRASS OR OTHER FOREIGN MATERIAL AND A PH OF 5.5 TO 7.0. IF ON-SITE TOPSOIL DOES NOT MEET THESE MINIMUM STANDARDS, CONTRACTORS ARE RESPONSIBLE TO EITHER: A) PROVIDE APPROVED IMPORTED TOPSOIL, OR B.) IMPROVE ON-SITE TOPSOIL WITH METHODS APPROVED BY LANDSCAPE ARCHITECT. SUPPLEMENT WITH IMPORTED TOPSOIL WHEN QUANTITIES ARE INSUFFICIENT. CLEAN TOPSOIL OF ROOTS, PLANTS, SODS, STONES, CLAY LUMPS AND OTHER EXTRANEOUS MATERIALS HARMFUL TO
- PLANT GROWTH. E. IF IMPORTED TOPSOIL FROM OFF-SITE SOURCES IS REQUIRED, PROVIDE NEW TOPSOIL THAT IS FERTILE, FRIABLE, NATURAL LOAM, SURFACE SOIL, REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH, WEEDS AND OTHER LITTER, AND FREE OF ROOTS, STUMPS, STONES LARGER THAN 2 INCHES IN ANY DIMENSION, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH.
- F. OBTAIN TOPSOIL FROM LOCAL SOURCES OR FROM AREAS HAVING SIMILAR SOIL CHARACTERISTICS TO THAT FOUND AT PROJECT SITE. OBTAIN TOPSOIL ONLY FROM NATURALLY, WELL-DRAINED SITES WHERE TOPSOIL OCCURS IN A DEPTH OF NOT LESS THAN 4 INCHES.
- G. ALL LANDSCAPE AREAS SHALL BE WEED FREE AT THE TIME OF LANDSCAPE INSTALLATION.REMOVE ALL ROOTS, WEEDS, ROCKS AND FOREIGN MATERIAL ON THE SURFACE.
- H. NEW SHRUB PLANTING. SEE DETAIL 1/L1.50.
- I. ALL PLANT MATERIAL SHALL CONFORM TO THE AMERICAN NURSERYMAN STANDARDS FOR TYPE AND SIZE SHOWN. PLANTS WILL BE REJECTED IF NOT IN A SOUND AND HEALTHY CONDITION.
- J. ALL PLANT MATERIAL SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR BEGINNING AT THE DATE OF SUBSTANTIAL COMPLETION. REPLACE ALL PLANT MATERIAL FOUND DEAD OR NOT IN A HEALTHY CONDITION IMMEDIATELY WITH THE SAME SIZE AND SPECIES AT NO COST TO THE OWNER.

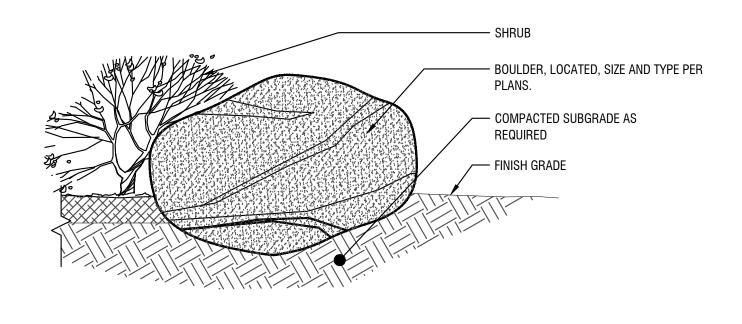
### **Automatic Underground Irrigation Notes:**

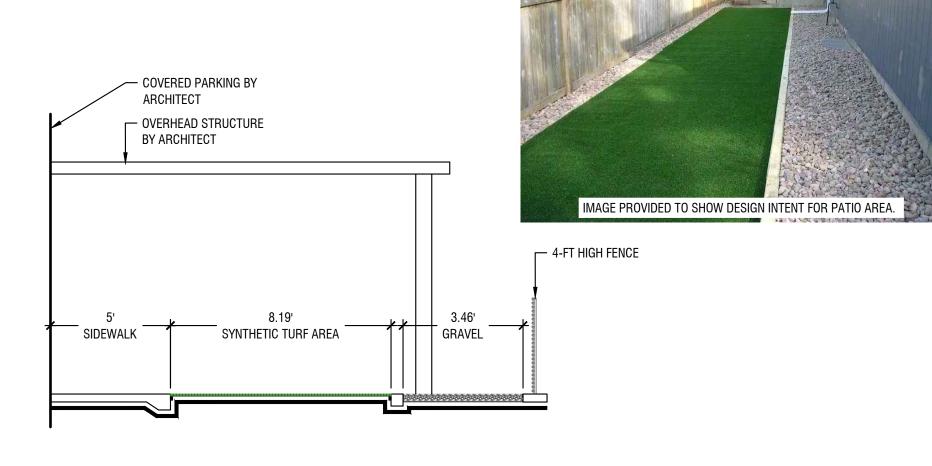
- A. ALL LANDSCAPED AREAS SHALL HAVE AN AUTOMATIC UNDERGROUND SPRINKLER SYSTEM WHICH ENSURES COMPLETE COVERAGE AND PROPERLY ZONED FOR REQUIRED WATER USES.
- B. EACH HYDROZONE IS TO BE IRRIGATED WITH SEPARATE INDIVIDUAL STATIONS. C. POP-UP SPRINKLER HEADS SHALL HAVE A MINIMUM RISER HEIGHT OF 18" AT
- PLANTER BEDS, 6" AT LAWN AREAS.. D. PLANTER BEDS ARE TO HAVE DRIP IRRIGATION SYSTEMS - WITH DRIP CONTROL
- ZONE KIT AND 150 MESH FILTER (MIN.). E. ELECTRONIC WATER DISTRIBUTION/ TIMING CONTROLLERS ARE TO BE PROVIDED.
- MINIMUM CONTROLLER REQUIREMENTS ARE AS FOLLOWS:
- E.A. PRECISE INDIVIDUAL STATION TIMING
- E.B. RUN TIME CAPABILITIES FOR EXTREMES IN PRECIPITATION RATES E.C. AT LEAST ONE PROGRAM FOR EACH HYDROZONE
- E.D. SUFFICIENT MULTIPLE CYCLES TO AVOID WATER RUN-OFF

MAINTENANCE AND REMOVAL. ONLY ONE VALVE PER BOX.

- E.E. POWER FAILURE BACKUP FOR ALL PROGRAMMED INDIVIDUAL VALVED WATERING STATIONS WILL BE DESIGNED AND INSTALLED TO PROVIDE WATER TO RESPECTIVE HYDRO-ZONES.
- F. INDIVIDUAL VALVED WATERING STATIONS WILL BE DESIGNED AND INSTALLED TO PROVIDE WATER TO RESPECTIVE HYDRO-ZONES.
- G. THE IRRIGATION SYSTEM SHALL BE DESIGNED TO PROVIDE 100% COVERAGE WITH HEAD TO HEAD SPACING OR TRIANGULAR SPACING AS APPROPRIATE.
- H. SPRINKLER HEADS SHALL BE ADJUSTED TO REDUCE OVERSPRAY ONTO
- IMPERVIOUS SURFACES SUCH AS SIDEWALKS, DRIVEWAYS, AND PARKING AREA. I. EACH VALVE SHALL BE INSTALLED IN A VALVE BOX LARGE ENOUGH TO ALLOW FOR







1. NOTIFY LANDSCAPE ARCHITECT WHEN PLACING BOULDERS FOR APPROVAL.

2. PLACE BOULDERS PRIOR TO INSTALLATION OF IRRIGATION SYSTEM. 3. CLEAN ALL BOULDERS OF DIRT AND LOOSE DEBRIS.

4. WHEN PLACING BOULDERS, BURY 1/4 TO 1/3 OF BOULDER BELOW FINISH GRADE.

5. DO NOT SCAR OR DAMAGE BOULDERS.

**Shrub Planting** 

**Patio Fence** 

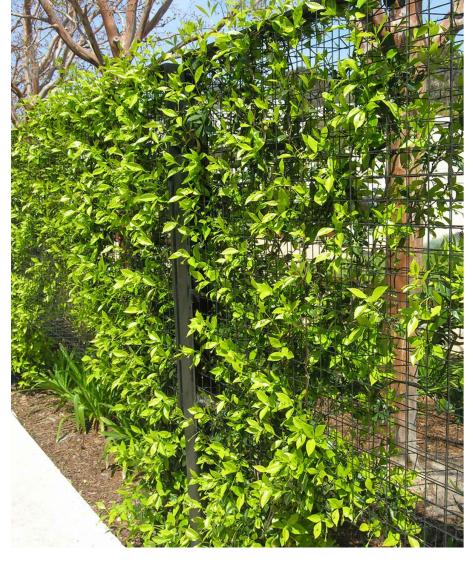
Scale: NTS

**Boulder Installation** Scale: NTS

**Patio Section** Scale: 1/4" = 1'

- HORIZONTAL SLAT FENCE BY LANDSCAPE FORMS





**Greenscreen Trellis System** 

Scale: NTS

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## **KETCHUM FIRE STATION**

107 SADDLE ROAD, KETCHUM, ID 83353

**ISSUES** 

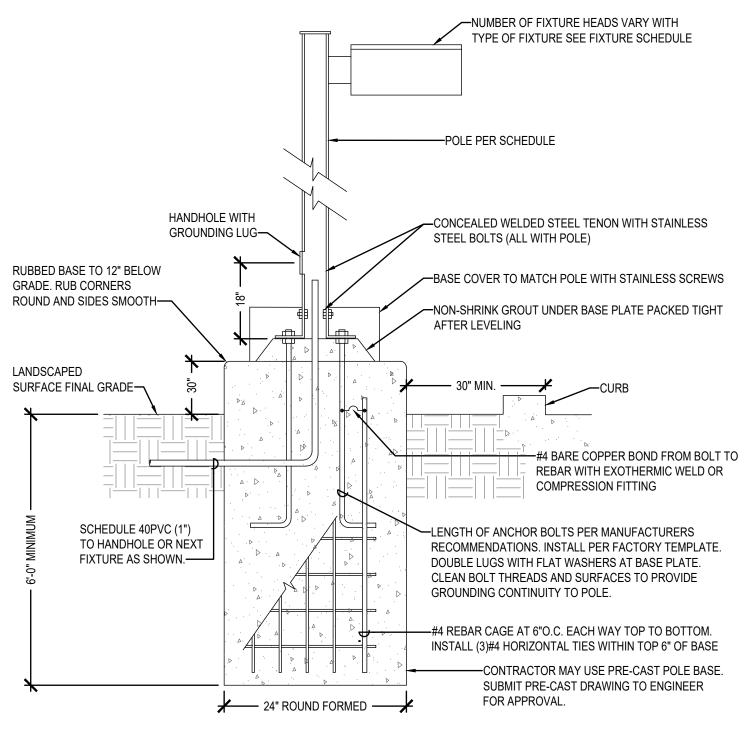
PHASE	DESIGN REVIEW
DATE	FEBRUARY 3, 2020
JOB NUMBER	18-022
MARK DATE	DESCRIPTION

SHEET NAME

LANDSCAPE DETAILS

SHEET NUMBER

L1.50



### **DETAIL NOTES**

- 1. INCREASE THE SPECIFIED HEIGHT OF THE POLE BY 2'-0" TO ENSURE UNIFORM FIXTURE MOUNTIAN HEIGHT WHERE THE 6" BASE IS USED.
- 2. PROTECTED AREA IMPLIES THE POLE IS INSTALLED AT LEAST 30" FROM PARKING OR DRIVE AREAS.

SITE LIGHTING POLE BASE DETAIL

## ELECTRICAL LEGEND - LIGHTING

RECESSED LIGHT FIXTURE

•□ POLE LIGHT 1 HEAD WITH POLE

**H**☑ EXTERIOR WALL PACK

YPE	DESCRIPTION	MTG.	LAMPS	WATTAGE	MANUFACTURER
	LED VISUAL COMFORT LENS ON +12'-0"	POLE	LED		LITHONIA NO.
P1	POLE AND +2'-6" CONCRETE BASE	MOUNTED	11,000 LUMENS	85	RAD1 LED SERIES
			2700K		
	LED 4" ROUND RECESSED CAN LIGHT		LED		LITHONIA NO.
RR1		RECESSED	1000 LUMENS	10.6	LDN4 SERIES
			2700K		
	ARCHITECTURAL WALL SCONCE WITH	WALL	LED		LITHONIA NO.
WB1	VISUAL COMFOR LENS	MOUNTED	3000 LUMENS	25	WST LED SERIES
			2700K		
	ARCHITECTURAL WALL SCONCE WITH	WALL	LED		LITHONIA NO.
WB2	VISUAL COMFOR LENS	MOUNTED	1500 LUMENS	11	WST LED SERIES
			2700K		
	ARCHITECTURAL WALL SCONCE WITH	WALL	LED		LITHONIA NO.
WB3	VISUAL COMFOR LENS	MOUNTED	6000 LUMENS	50	WST LED SERIES
			2700K		

## LIGHTING CONTROLS NOTES

THE EXTERIOR BUILDING LIGHTING AND POLE LIGHTS WILL BE ROUTED THROUGH THE LIGHTING CONTROL PANEL AND PHOTOCELL. THE LIGHTING CONTROL PANEL WILL TURN LIGHTS ON AND OFF BASED ON A TIMED SCHEDULE AND THE PHOTOCELL WILL TURN LIGHTS ON AND OFF BASED ON LIGHT CONDITIONS. THE EXTERIOR LIGHTS AND POLE LIGHTS WILL ALSO BE EQUIPPED WITH FACTORY INSTALLED MODULES TO ALLOW THE FIXTURES TO BE DIMMED AT A PRESET TIME TO REDUCE LIGHT LEVELS. FOR EXAMPLE FROM DUSK TO 11:00 PM AND 5:00 AM TO 7:00 AM THE FIXTURES COULD BE AT FULL LIGHT OUTPUT. FROM 11:00 PM TO 5:00 AM THE FIXTURES COULD BE DIMMED TO 30% LIGHT OUTPUT. THESE FIXTURE WILL ALSO BE CONNECTED TO THE EMERGENCY ALARM SYSTEM IN THE BUILDING. UPON ACTIVATION OF THE ALARM DURING THE DIMMING PRESET TIME, THESE FIXTURES WOULD RETURN TO FULL LIGHT OUTPUT.



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234 S. WHISPERWOOD WAY, BOISE, ID 83709 PH: (208) 384-0585 MUSGROVE PROJECT NUMBER: 19-366

PROJECT INFORMATION



## KETCHUM FIRE STATION

107 SADDLE ROAD, KETCHUM, ID 83353

### ISSUE

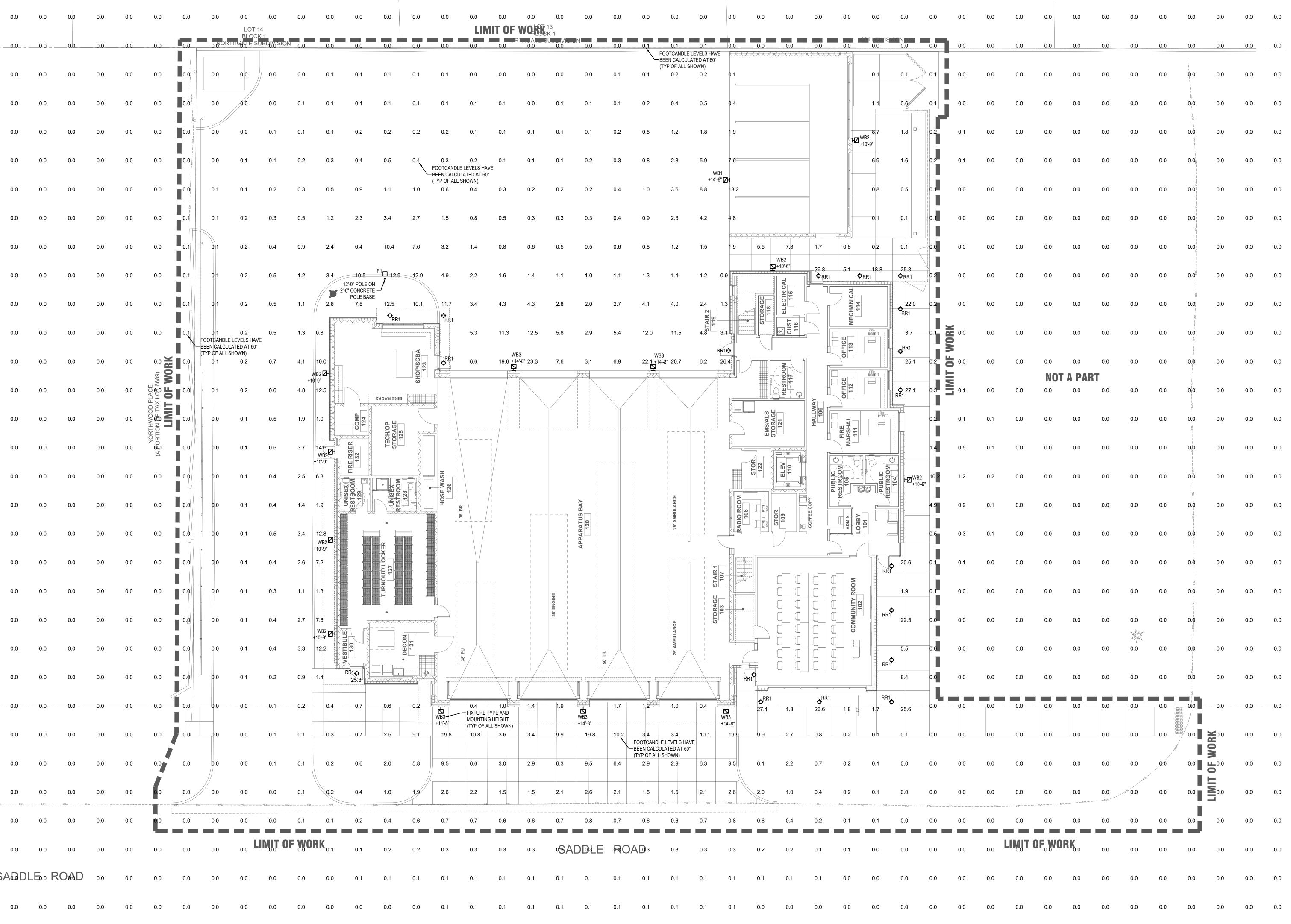
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DATE	FEBRUARY 3, 202
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SHEET NAME

ELECTRICAL DETAILS AND NOTES

SHEET NUMBER

E0.00





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PROJECT INFORMATION



## KETCHUM FIRE STATION

107 SADDLE ROAD, KETCHUM, ID 83353

ISSUES

PHASE DESIGN RE	
DATE	FEBRUARY 3, 202
JOB NUMBER	18-022

MARK DATE DESCRIPTION

SHEET NAME

PHOTOMETRIC SITE PLAN

SHEET NUMBER

E1.00



**WST LED** Architectural Wall Sconce

WALL MOUNTED FIXTURES TYPES WB1, WB2 & WB3

## NIGHTIME REPOLY

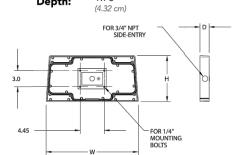
#### Specifications Luminaire

10-3/16"

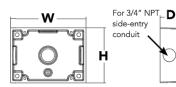


#### **Optional Back Box (PBBW)**

(21.56 cm) 17.01" (43.21 cm)



#### **Optional Back Box (BBW)**



#### **4+ Capable Luminaire**

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability1
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background<sup>1</sup>

To learn more about A+, visit <u>www.acuitybrands.com/aplus</u>

See ordering tree for details.

A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: Link to Roam; Link to DTL DLL



COMMERCIAL OUTDOOR

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Rev. 09/06/19

Ordering	Information		E	(AMPLE: WST L	ED P1 40K VF MVOLT DDBTXL	
WST LED						
Series	Performance Package	Color temperature	Distribution	Voltage	Mounting	
WST LED	P1 1,500 Lumen package P2 3,000 Lumen package P3 6,000 Lumen package	27K 2700 K 30K 3000 K 40K 4000 K 50K 5000 K	VF Visual comfort forward throw VW Visual comfort wide	MVOLT <sup>1</sup> 277 <sup>2</sup> 120 <sup>2</sup> 347 <sup>2</sup> 208 <sup>2</sup> 480 <sup>2</sup> 240 <sup>2</sup>	Shipped included (blank) Surface mounting bracket Shipped separately BBW Surface-mounted back box <sup>3</sup> PBBW Premium surface-mounted back box <sup>3,4</sup>	

			PBBW	Premium surfac	ce–mounted back box <sup>3,4</sup>
				Finish (requ	
NLTAIR2 PIR NLTAIR2 PIRH PE PER PERS PER7 PIR PIR1FC3V PIRH PIRH1FC3V SF DF	nLIGHT AIR Wireless enabled motion/ambient sensor for 8'-15' mounting heights \$\frac{1.6}{10}\$ nLIGHT AIR Wireless enabled motion/ambient sensor for 15'-30' mounting heights \$\frac{5.6}{10}\$ Photoelectric cell, button type \$\frac{7}{10}\$ NEMA twist-lock receptacle only (controls ordered separate) \$\frac{8}{10}\$ Seven-wire receptacle only (controls ordered separate) \$\frac{8}{10}\$ Seven-wire receptacle only (controls ordered separate) \$\frac{8}{10}\$ Motion/Ambient Light Sensor, 8-15' mounting height \$\frac{5.6}{10}\$ Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc \$\frac{5.6}{10}\$ Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc \$\frac{5.6}{10}\$ Single fuse (120, 277, 347V)2  Double fuse (208, 240, 480V)2	E7WC E7WHR E20WH E20WC E23WHR LCE RCE	Emergency battery backup, CA Title 20 Noncompliant (cold, 7W) <sup>11,12</sup> Remote emergency battery backup, CA Title 20 Noncompliant (remote 7W) <sup>11,13</sup> Emergency battery pack 18W constant power, Certified in CA Title 20 MAEDBS <sup>11</sup> Emergency battery pack -20°C 18W constant power, Certified in CA Title 20 MAEDBS <sup>11,12</sup> Remote emergency battery backup, CA Title 20 Noncompliant (remote 20W) <sup>11,12,14</sup> Left side conduit entry <sup>15</sup> Right side conduit entry <sup>15</sup>	DDBXD DBLXD DNAXD DWHXD DSSXD DDBTXD DBLBXD DNATXD DWHGXD DSSTXD	Dark bronze Black Natural aluminum White Sandstone Textured dark bronze Textured black Textured natural aluminum Textured white Textured sandstone
DS DMG	Dual switching <sup>9</sup> 0-10V dimming extend out back of housing for external control (control ordered	Shipped : RBPW	separately Retrofit back plate <sup>3</sup>		
E7WH	separate) <sup>10</sup> Emergency battery backup, Non CEC compliant (7W) <sup>11</sup>	VG WG	Vandal guard <sup>15</sup> Wire guard <sup>15</sup>		

#### Accessories

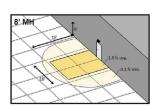
WSTVCPBBW DDBXD U Premium Surface - mounted back box WSBBW DDBTXD U Surface - mounted back box

- 1 MVOLT driver operates on any line voltage from 120-277V (50/60 2 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V. 3 Also available as a separate accessory; see accessories information 5 Not available with VG or WG. See PER Table
- 6 Reference Motion Sensor table. 7 Need to specify 120, 208, 240 or 277 voltage

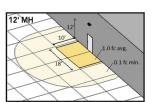
#### **Emergency Battery Operation**

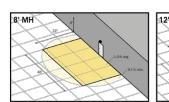
The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency backup configurations include an independent secondary driver with an integral relay to immediately detect AC power loss, meeting interpretations of NFPA 70/NEC 2008 - 700.16 The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time supply power is lost, per International Building Code Section 1006 and NFPA 101 Life Safety Code Section 7.9, provided luminaires are mounted at an appropriate height and illuminate an open space with no major obstructions. The examples below show illuminance of 1 fc average and 0.1 fc minimum of the P1 power package and VF distribution product in emergency mode.

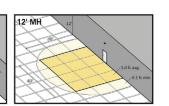
10' x 10' Gridlines 8' and 12' Mounting Height



WST LED P1 27K VF MVOLT E7WH







WST LED P2 40K VF MVOLT E20WH

10 DMG option not available with standalone or networked sensors/

9 Not available with Emergency options, PE or PER options.

12 Battery pack rated for -20° to 40°C.

16 Must order with fixture; not an accessory.

13 Comes with PBBW.

15 Not available with BBW.

14 Warranty period is 3-years.

#### COMMERCIAL OUTDOOR One Lithonia Way • Conyers, Georgia 30012 • Phone: 800-705-SERV (7378) • www.lithonia.com © 2011-2019 Acuity Brands Lighting, Inc. All rights reserved. Rev. 09/06/19

### **FA LITHONIA LIGHTING**

FEATURES & SPECIFICATIONS  $\textbf{INTENDED USE} \ \ \, \textbf{--} \ \, \textbf{Typical applications include corridors, lobbies, conference rooms and private offices.}$ **CONSTRUCTION** — Galvanized steel mounting/plaster frame; galvanized steel junction box with bottom-hinged access covers and spring latches. Reflectors are retained by torsion springs.

Vertically adjustable mounting brackets with commercial bar hangers provide 3-3/4" total adjustment. Two combination 1/2"-3/4" and four 1/2" knockouts for straight-through conduit runs. Capacity: 8 (4 in, 4 out). No. 12 AWG conductors, rated for 90°C.

Accommodates 12"-24" joist spacing. Passive cooling thermal management for 25°C standard; high ambient (40°C) option available. Light engine and drivers are accessible from above or below ceiling.

Max ceiling thickness 1-1/2". **OPTICS** — LEDs are binned to a 3-step SDCM; 80 CRI minimum. 90 CRI optional. LED light source concealed with diffusing optical lens.

General illumination lighting with 1.0 S/MH and 55° cutoff to source and source image.

Self-flanged anodized reflectors in specular, semi-specular, or matte diffuse finishes. Also available in white and black painted reflectors. **ELECTRICAL** — Multi-volt (120-277V, 50/60Hz) 0-10V dimming drivers mounted to junction box, 10% or 1% minimum dimming level available.

0-10V dimming fixture requires two (2) additional low-voltage wires to be pulled. 70% lumen maintenance at 60,000 hours **LISTINGS** — Certified to US and Canadian safety standards. Wet location standard (covered ceiling).

Lead times will vary depending on options selected. Consult with your sales representative.

Emergency battery pack with integral test switch. 10W Constant

Emergency battery pack with self-diagnostics, 10W Constant Power, emote test switch. Not Certified in CA Title 20 MAEDBS

Emergency battery pack, 10W Constant Power with remote test switch.

Emergency battery pack, 10W Constant Power with integral test

integral test switch. Not Certified in CA Title 20 MAEDBS

Emergency battery pack with remote test switch. 10W Constant Power, HAO<sup>11</sup>

Emergency battery pack with self-diagnostics, 10W Constant Power, RRL

Power, Not Certified in CA Title 20 MAEDBS

Not Certified in CA Title 20 MAEDBS

switch. Certified in CA Title 20 MAEDBS

NPP16D<sup>7,10</sup> nLight® network power/relay pack with 0-10V dimming for non-

Specify voltage. ER for use with generator supply

**LDN4 35/10 LO4AR**, input watts: 10.58, delivered lumens: 1085.2, LM/W = 102.57, spacing criterion at 0= 1.04, test no. ISF 30712P229.

**LDN4 35/15 LO4AR**, input watts: 17.5, delivered lumens: 1570.1, LM/W = 89.72, spacing criterion at 0 = 1.04, test no. ISF 30712P234.

**LDN4 35/30 LO4AR**, input watts: 32.1, delivered lumens: 3122.6, LM/W = 88.52, spacing criterion at 0 = 1.04, test no. ISF 30712P249.

| No. | No.

| No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No. | No.

EM power, Will require an emergency hot feed

NPP16DER<sup>7,10</sup> nLight<sup>®</sup> network power/relay pack with 0-10V dimming for non-eldoLED drivers (GZ10, GZ1). ER controls fixtures on emergency circuit.

Certified in CA Title 20 MAEDBS

eldoLED drivers (GZ10, GZ1).

battery pack maintenance. Available with clear (AR) reflector only.

and normal hot feed.

Output Data

LO4 Downlight

LW4 Wallwash

05 500 lumens

10 1000 lumens

15 1500 lumens

20 2000 lumens 5 2500 lumens 30 3000 lumens 40 4000 lumens

White painted flange

Black painted flange

750 lumens

IP55 rated. ENERGY STAR® certified product. **WARRANTY** — 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms and conditions.aspx **Note:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

27/ 2700K

35/ 3500K

50/ 5000K

A+ Capable options indicated by this color background.

GZ10 0-10V driver dims to 10% SF<sup>4</sup>

1 0-10V driver dims to 1%

smooth and flicker-free

deep dimming performa

smooth and flicker-free

Overall height varies based on lumen package;

refer to dimensional chart on page 3.

3 Not available with emergency options

4 Must specify voltage 120V or 277V.

Not available with finishes.

DOWNLIGHTING

**PHOTOMETRY** 

Distribution Curve

down to 10%

EZ1 0-10V eldoLED driver with

LDN4 4" round

#### RECESSED CANOPY/SOFFIT FIXTURES TYPE RR1

# LDN4







Example: LDN4 35/15 LO4AR LSS MVOLT EZ1

LSS Semi-specular

Specular

Matte diffuse

nLight™ Lumen Compensation

High ambient option (40°C)

Chicago Plenum

nLight® Air enabled

High CRI (90+)

US point of manufacture

NLTAIR28,9

USPOM

12.5" of plenum depth or top access required for 8 Fixture begins at 80% light level. Must be speci- 11 Fixture height is 5-11/16" for all lumen packages fied with NPS80EZ or NPS80EZ ER. Only available

Not available with CP, NPS80EZ, NPS80EZER,

10 NLTAIR2 and NLTAIRER2 not recommended for

NPP16D, NPP16DER or N80 options.

with EZ10 and EZ1 drivers.

**Coefficient of Utilization** 

| No. | Continue | No. |

NPS80EZER<sup>7,10</sup> nl.ight\* dimming pack controls 0-10V eldoLED drivers (EZ10, EZ1). ER controls fixtures on emergency circuit.

NLTAIRER29,10 nLight® AIR Dimming Pack Wireless Controls. Controls

Illuminance Data at 30" Above Floor for

nLight® dimming pack controls 0-10V eldoLED drivers

RELOC®-ready luminaire connectors enable a simple and

fixtures on emergency circuit, not available with battery

12 Must specify voltage for 3000lm. Not available

with emergency battery pack option.

consistent factory installed option across all ABL luminaire brands. Refer to RRL for complete nomenclature. Available only in RRLA, RRLB, RRLAE, and RRLC12S.

MVOLT Multi-volt

	_	
-6	energy	<b>*</b>
E	VERGY STAR	CAPABLE

cif	ications	
	0.75 ft² (0.05 m²)	W
th:	24" (61cm) 30" (60.96 cm)	
h:	24" (61cm)	
ht:	4" (10.2cm)	
ht ):	29lbs (13.15Kg)	<u>⊦</u> 1
		3.7"

#### POLE FIXTURES TYPE P1



Radean Arm Mount





#### Introduction

The RADEAN arm mount luminaire is the perfect choice for pedestrian applications where daytime aesthetics and visual comfort are needed. Adding architectural flair to any space, the RADEAN's low-profile shape and smooth curves blend in while adding a touch of elegance.

Perfect for campuses, parks, pedestrian malls, courtyards and pathways, the RADEAN arm mount is the Architect's choice to provide beautiful aesthetics both day and night.

Ordering	Information		E	<b>(AMPLE:</b> RAD1 L	ED P3 30K SYM MVOLT RPA PE DNAXI		
RAD1 LED							
Series	Performance package	Color temperature	Distribution	Voltage	Mounting		
RAD1 LED	P1 3,000 Lumens P2 5,000 Lumens P3 7,000 Lumens P4 11,000 Lumens P5 16,000 Lumens	27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	SYM Symmetric type V ASY Asymmetric type IV PATH Pathway type III	MVOLT <sup>1</sup> 277 <sup>1</sup> 120 <sup>1</sup> 347 208 <sup>1</sup> 480 240 <sup>1</sup>	SPA Square pole mounting (includes adapter) RPA Round pole mounting WBA Wall bracket		

Control options		Other options			Finish (required)				
Shipped i NLTAIR2 PIR PE FAO	nstalled  nLight AIR 2.0 enabled <sup>2</sup> Bi-level motion sensor (100% to 30%) <sup>2,1,4,5,6</sup> Button photocell <sup>2,5</sup> Field adjustable output <sup>2,3,7</sup>	SF DF L90 R90	Single Fuse <sup>1</sup> Double Fuse <sup>1</sup> Left rotated optics Right rotated optics	<b>Shipp</b> HS	<b>ed separately</b> Houseside shield <sup>8</sup>	DDBXD DBLXD DNAXD DWHXD	Dark bronze Black Natural aluminum White	DDBTXD DBLBXD DNATXD DWHGXD	Textured dark bronze Textured black Textured natural aluminum Textured white



Accessories

RADCS Decorative clamshell base for 4" RSS pole (specify finish)

For more control options, visit DTL and ROAM online.

Acuity Part Number

RSS 10 4B DM19RAD DDBXD

RSS 12 4B DM19RAD DDBXD

RSS 14 4B DM19RAD DDBXD

RSS 16 4B DM19RAD DDBXD

RSS 20 4B DM19RAD DDBXD

RSS 25 4B DM19RAD DDBXD

SSS 12 4C DM19RAD DDBXD

SSS 14 4C DM19RAD DDBXD

SSS 16 4C DM19RAD DDBXD

SSS 18 4C DM19RAD DDBXD

SSS 25 4C DM19RAD DDBXD

**Drilling Template #20** 

RSS 18 4B DM19RAD DDBX

RADFBC Full base cover for 4" RSS pole (specify finish)

RADHS Houseside shield (shield is white)

**Specifications** 

**Width:** 24" (61cm)

Height: 4" (10.2cm)

EPA:

Length:

Description

10' Round Straight Steel - Template #20 Drilling

14' Round Straight Steel - Template #20 Drilling

16' Round Straight Steel - Template #20 Drilling

18' Round Straight Steel - Template #20 Drilling

20' Round Straight Steel - Template #20 Drilling

25' Round Straight Steel - Template #20 Drilling

10' Square Straight Steel -Template #20 Drilling

12' Square Straight Steel -Template #20 Drilling

14' Square Straight Steel -Template #20 Drilling

16' Square Straight Steel -Template #20 Drilling

18' Square Straight Steel -Template #20 Drilling

20' Square Straight Steel -Template #20 Drilling

RAD1 has a unique drilling pattern. Specify this drilling pattern when

DM28RAD 2 at 180° DM39RAD 3 at 90° \*

**DM49RAD** 4 at 90° \* **DM32RAD** 3 at 120°

poles, accessories and educational tools. \*Round pole top must be 3.50" O.D. minimum.

specifying poles, per the table below.

Example: SSA 20 4C DM19RAD DDBXD

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25' Square Straight Steel -Template #20 Drilling

\* Customer must verify pole loading per required design criteria and specified wind speed. Consult pole specification sheet for additional details.

12' Round Straight Steel - Template #20 Drilling

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For luminaires:

RAD1 LED

DM29RAD 2 at 90° \*

234 S. WHISPERWOOD WAY, BOISE, ID 83709 PH: (208) 384-0585 **MUSGROVE PROJECT NUMBER: 19-366** 

RAD1 LED

RAD1 LED

Rev. 11/27/19

Rev. 11/27/19

1 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage

NLTAIR2 not available with PIR, PE or FAO. Must link to external nLight Air network.

3 PIR will work with FAO, if adjustable dimming level is

PIR must specify 120V, 277V, 347V or 480V. Not available in MVOLT, 208V or 240V.

Also available as a separate accessory; see Accessories information. Shield is field rotatable in 45° increments.

Used with Mounting

5 PE and PIR are available together. 6 PIR for use on mounting heights under 20'. 7 Field adjustable high-end trim.

#### PROJECT INFORMATION

**CONSULTANT** 

1008 W Main St

208.345.1800

Boise, Idaho 83702

colearchitects.net

6211 Roosevelt Way NE Seattle, WA 98115

206.522.3820

**STAMP** 

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ARCHITECTURE + PLANNING + DESIGN



**MUSGROVE** ENGINEERING, P.A.

#### **KETCHUM FIRE STATION**

107 SADDLE ROAD, KETCHUM, ID 83353

**ISSUES** 

PHASE		DESIGN REVIE
DATE		FEBRUARY 3, 20
JOB NU	MBER	18-02
MARK	DATE	DESCRIPTION

SHEET NAME

SITE LIGHTING **CUT SHEETS** 

SHEET NUMBER

#### **INTHONIA LIGHTING®**

**Accessories:** Order as separate catalog numbers (shipped separately).

Degree of slope must be specified (5D, 10D, 15D, 20D, 25D, 30D). Refer to <u>TECH-190</u>.



#### **Exhibit B:**

Response to Planning and Zoning Commission Comments on the Fire Station Pre-Application Design Review

#### Response to Planning and Zoning Commission Comments on the Fire Station Pre-Application Design Review

#### **Site Location**

While the selection of the fire station site location is not part of the design review process, the following information is provided in response to Commission comments made at the January 13, 2020 meeting.

Between 2001 and 2016, the City evaluated different locations for a new fire station. Sites considered consisted of the following locations:

- City property on Lewis Street
- City property adjacent to the YMCA (north and south properties)
- Stock Building site
- City Hall site

In September 2017 a new site evaluation process was initiated. A group of 11 people that included police and fire personnel, real estate and development professionals, and residents of Ketchum evaluated sites in and around Ketchum and assessed feasibility. All known feasible sites were evaluated. Attachment A provides a summary of the sites evaluated. The group identified 22 locations. These 22 locations were further evaluated for accessibility and other factors, including response time.

Initially, the City site south of the YMCA was identified as a preferred location. However, after public review and comment, that site was no longer under consideration. Two sites emerged as preferred locations, the City owned dirt lot north of the YMCA and the private property at 290 and 298 Northwood Way. The Northwood Way properties were available for purchase for \$3,036,000. Of the two sites, the City Council selected the dirt lot north of the YMCA.

The selected site is suitable with or without consolidation of the north valley fire agencies. The site is centrally located with access to Highway 75, Saddle Road into the City of Sun Valley, and Warm Springs Road.

Unlike some of the other sites considered, this location provides enough area for drive-through apparatus bays. Without drive-through bays, vehicles would have to back into the apparatus bay.

Throughout the 2019 Fire Bond campaign and at the 20 public meetings and open houses, the Saddle Road site was presented as the preferred location. After the bond passed, the City Council conducted a public meeting to review any other proposed locations. No other locations were presented and based on the input from the public and Fire Chief, the Council approved the Saddle Road location.

#### **Parking**

As shown in Exhibit A, the fire station is located within a larger parcel owned by the City of Ketchum, it is not a separate parcel.



**EXHIBIT A** 

The parcel contains approximately 170 public parking spaces between the YMCA and fire station and 50 spaces in the parking lot south of the YMCA. Over 100 vehicles can be parked on the street along Saddle Road and in and around Rotary Park. In total, the area can accommodate over 320 vehicles in the surrounding area not including the Presbyterian Church parking lot.

Parking in the area is all shared public parking. No single user has exclusive use or dedicated parking for their use. The City has determined that shared parking is the most efficient, sustainable and cost-effective way to provide parking for the various users in the area. This approach takes advantage of the fact that most parking spaces are only used part time by a particular user. Providing dedicated parking for any single user will result in under-utilized parking and is counter to the transportation and mobility goals of the City.

The parking demands of the fire station will fluctuate depending on the type of emergency call. The existing fire station is in the downtown core adjacent to the most congested and high demand parking area in Ketchum. Firefighters responding to a call must drive into the downtown and typically find parking on the street. While this is not ideal, to date, this practice has not impacted response times. The availability and access to parking for the new fire station is far superior to existing conditions.

On average, there are 2.7 incidents per day. The maximum number of firefighters responding to a major incident is 20. On Tuesday evenings, there would be an average of 16 vehicles coming to either the training facility on Lewis Street and/or the station for training. Training typically occurs between 5-8pm.

Daily, there will be 2-4 firefighters at the station in addition to the Fire Chief, Assistant Chief and Fire Clerk. The two chiefs drive command vehicles which will likely be parked within the fire station bays. Worst case, there is a demand for 5 parking spaces for the full-time staff during the day and as noted above, 20 spaces for other firefighters responding to a major call and approximately 16 spaces during Tuesday training sessions. Based on the available parking around

the site, there will be ample shared parking spaces to meet the parking demand of the station. There are over 60 public spaces within close proximity to the station.

Until the YMCA expands, the number of spaces reasonably necessary to support the YMCA, as identified by the YMCA, is 150 spaces. Assuming the YMCA is at capacity, the Presbyterian Church has an event and there is a major fire call, and all 320 parking places are occupied, the Fire Chief will facilitate parking for firefighters on the fire station site. There is space to park vehicles along the north driveway and in the rear of the station. While it is highly unlikely all uses will have peak parking at the same time, there is a plan in place to handle this situation if it occurs.

The availability of parking is an important issue and based on a careful analysis, the city has determined there is more than enough shared parking to accommodate the needs of all users in the area. In addition to the available parking, the site is located at the intersection of the two highest capacity bus routes (Valley and Blue Route) and within close proximity of the Wood River Multi-Use Path offering ample alternative transportation opportunities. Based on the availability of parking and alternative transportation options, the city is not prepared to dedicate public parking spaces for exclusive use of any use in the area, including the fire station.

#### **Housing**

While the decision to include housing within the project is not part of the design review process, the following provides background information on the topic.

The availability of employee housing is a critical issue in the City of Ketchum. Without employees to plow and repair our streets, operate the water and wastewater system, maintain our parks and public facilities, and respond to fire and medical calls, the city simply cannot function and provide critical services. Providing employee housing is a top priority for the Mayor and City Council.

Constructing permanent housing as part of the fire station was contemplated in the early stages of the project development. After input from the full-time firefighters and an evaluation of project costs, it was determined permanent employee housing at this location was not attractive to employees and was expensive to build. Recognizing there is a critical need for employee housing, the Mayor and City Council have put all efforts towards developing over 50 units of community housing at the present city hall site. This project will accommodate employees and, as proposed, is expected to be more cost effective.

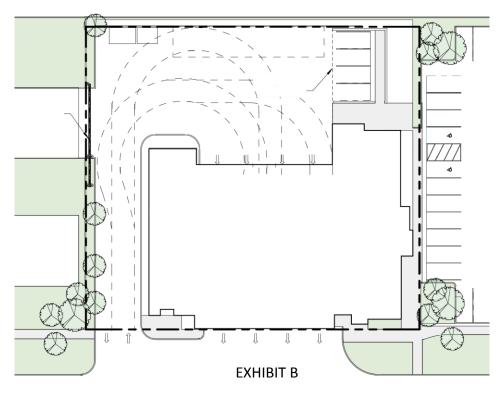
In the event there are funds and fire personnel demand to construct permanent housing units on the fire station site, the carport could readily be removed and replaced with housing units and parking. The option exists for future housing on the fire station site.

#### Traffic Circulation

As mentioned at the January 13<sup>th</sup> meeting, the City has hired AECOM to conduct a traffic analysis to determine if there will be safety and circulation conflicts between pedestrians, vehicles and emergency vehicles and responders within the general area. If conflicts are identified, mitigation

measures will be implemented. This study is underway and will be presented to the City Council for consideration.

With respect to the circulation in and around the site, there will be a curb cut on the North end of the property providing two-way traffic to the rear of the fire station (Exhibit B). Command and utility vehicles and some staff vehicles will ingress and egress the facility from that north entrance. With current activity, this would be between 10 and 20 vehicles per day entering and exiting. In addition, this entrance will also be the entrance for fire and EMS apparatus. Some EMS apparatus may exit the facility from this location, however emergency response will primarily be from the curb cut at the apparatus bays.



There will be four apparatus bays fronting Saddle Road. Fire and EMS apparatus will be responding to emergencies from these bays. As identified above, on average, there are 2.7 incidents per day and 1.4 apparatus responding to each incident. This amounts to 3.8 apparatus responding daily to incidents. In addition, fire apparatus will be exiting on non-emergency tasks, which currently averages 2 to 4 trips on an average day, Our best estimate is that the number of non-emergency vehicle trips will increase slightly to a total of approximately 5 non-emergency vehicle trips on an average day. Vehicles exiting from the apparatus bays will be almost exclusively re-enter from the north driveway.

Currently 8.1 volunteer trips are made to the station each day. These occur over the course of the day and are not normally at the same time. The maximum number of firefighters responding to a major incident is 20. On Tuesday evenings, there would be an average of 16 vehicles coming to the

station for training. On joint training events, there may also be 2 to 4 fire apparatus coming from other fire departments.

Volunteers and off-duty firefighters may enter the north entrance, park in the joint parking lot south of the fire station or along Saddle Road.

From the emergency apparatus entrance, there are clear sight lines both to the north and south.

AECOM is conducting an analysis to determine if additional traffic and pedestrian control devices are necessary. Should it be determined control devices should be installed, systems such as those shown in Exhibit C could be considered.





STC optically-activated fire station warning signal

#### **EXHIBIT C**

The station is designed with sight line windows that will allow apparatus drivers to view pedestrians or bicyclists on sidewalks approaching the station as well as in front of the apparatus. In addition, if determined necessary by AECOM, there are systems to alert pedestrians and bicyclists of vehicles existing the driveway. Exhibit D provides some examples.



**EXHIBIT D** 



**EXHIBIT D** 

Even during emergency response, all apparatus will be required to come to a complete stop prior to pulling on to the roadway. Fire and EMS apparatus will also be required to activate emergency warning lights on the apparatus at all times, and sirens, when appropriate.

Volunteers and off-duty staff are not permitted by law to exceed speed limits or ignore traffic rules. This is also strictly enforced by a "no-tolerance" policy of the fire department.

There is adequate space in the rear courtyard for fire and EMS apparatus to turn around, and adequate space for freight delivery and other service uses.

The safety of first responders arriving and departing during emergencies along with the public around the station will be thoroughly evaluated by professional traffic engineers. If conflicts are identified, the City Council will implement measures to ensure the safety of all users in the area.

#### **Design Comments**

The Commission expressed concern over the dark color of the exterior brick. The graphic submitted made the brick appear to be darker than the actual appearance. At the February 10<sup>th</sup> meeting, samples of brick options will be provided for Commission review and approval.

# CITY-OWNED LOTS

### CURRENT CITY HALL LOT



Location: NE Corner of East Avenue &

5<sup>th</sup> Street

Legal: Lot 3A, Block 45

<u>Size</u>: 0.379 acres

Dimensions (WxD): Approx. 110' x 150'

Ownership: City of Ketchum

### 1<sup>ST</sup> & WASHINGTON LOT



Location: Washington Avenue (btwn 1st

& 2<sup>nd</sup> Streets)

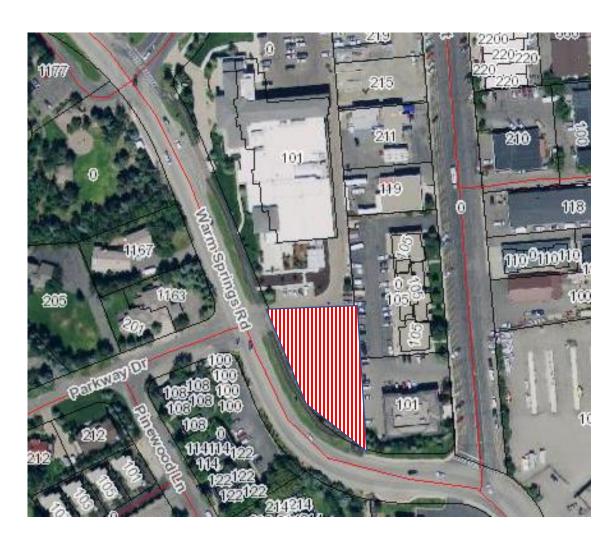
Legal: Lot 5-8, Block 19

Size: 0.505 acres

Dimensions (WxD): Approx 220' x 100'

Ownership: City of Ketchum/KURA

### YMCA SOUTH LOT



**Location: Warm Springs Road** 

Legal: Sec 12 & 13 4N 17E

Size: 0.55 acres

Dimensions (WxD): Approx. 200' x 120'

Ownership: City of Ketchum

## YMCA NORTH LOT



**Location**: Warm Springs Road

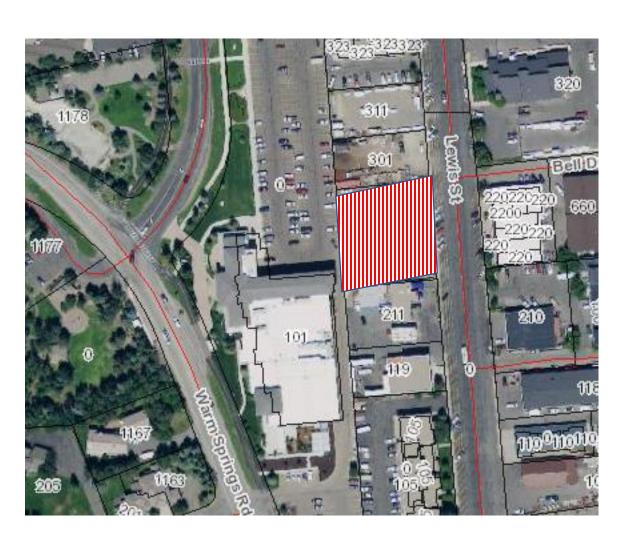
Legal: Sec 12 & 13 4N 17E

Size: 0.58 acres

Dimensions (WxD): Approx. 240' x 110'

Ownership: City of Ketchum

### CITY-OWNED LEWIS STREET LOTS



Location: Lewis Street

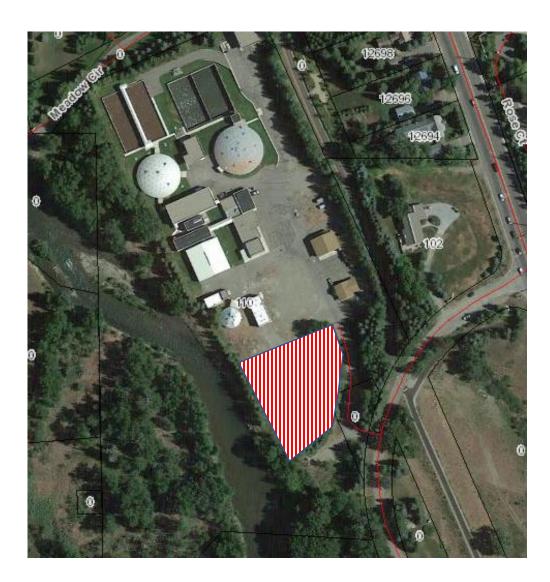
Legal: Lot 7, Block 1 and Lot 6, Block 1

Size: 0.55 acres

Dimensions (WxD): Approx 160' x 150'

Ownership: City of Ketchum

### WATER TREATMENT PLANT LOT



**Location: Water Treatment Plant** 

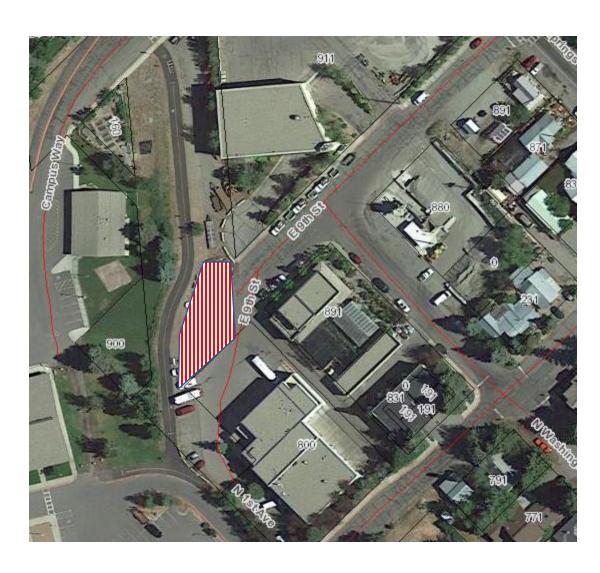
Legal: N/A

Size: Approx. 0.83 acres

Dimensions (WxD): Approx. 160' x 180'

Ownership: City of Ketchum

## FOOT OF 9<sup>TH</sup> STREET LOT



Location: West End of 9<sup>th</sup> Street

Legal: N/A

Size: Approx. 0.15 acres

Dimensions (WxD): Approx. 80' x 65'

Ownership: City of Ketchum

# PRIVATELY-OWNED LOTS

### STOCK BUILDING SUPPLY LOT



<u>Location</u>: Lewis Street & Warm Springs

Road.

Legal: Sec 13 4N 17E

<u>Size</u>: 2.432 acres

Dimensions (WxD): Approx. 340' x 305'

Ownership: Private (Warm Springs &

10th LLC).

Market Value: \$2,969,723

## 1<sup>ST</sup> AVENUE BETWEEN 4<sup>TH</sup> & 5<sup>TH</sup> STREET LOT



Location: 1st Avenue (btwn 4th & 5th

Streets)

Legal: Lot 2 & 3A, Block 56

<u>Size</u>: 0.381 acres

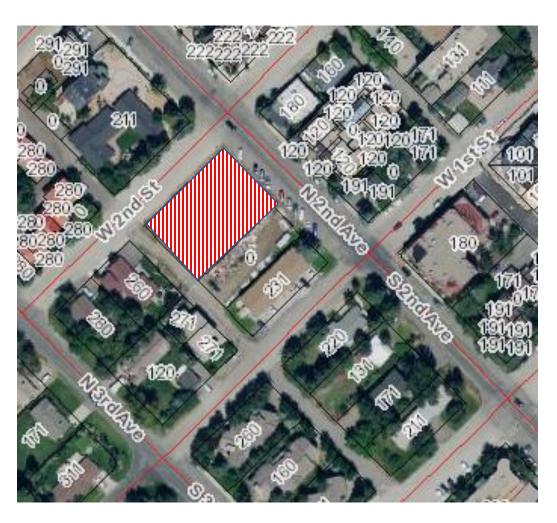
Dimensions (WxD): Appox. 110' x 150'

Ownership: Private (431-471 N 1st

Avenue LLC)

Market Value: \$1,625,330

## 2<sup>ND</sup> AVENUE & 2<sup>ND</sup> STREET LOT



Location: SW Corner of 2<sup>nd</sup> Avenue & 2<sup>nd</sup>

Street

Legal: Lots 1 & 2, Block 62

Size: 0.379 acres

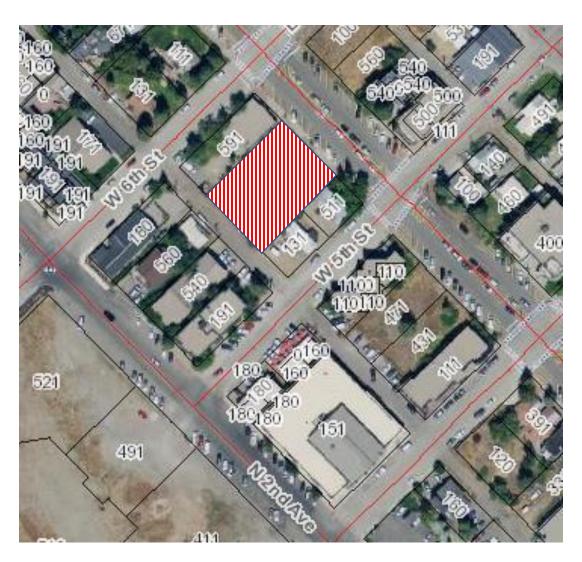
Dimensions (WxD): Approx. 110' x 150'

Ownership: Private (Brien Stuart MD

Trustee)

Market Value: \$1,056,000

## 1<sup>ST</sup> AVENUE LOT (HOSPICE & MT. EXPRESS)



Location: 1st Avenue (btwn 5th & 6th

Streets)

Legal: Lots 2 & 3, Block 55

Size: 0.378 acres

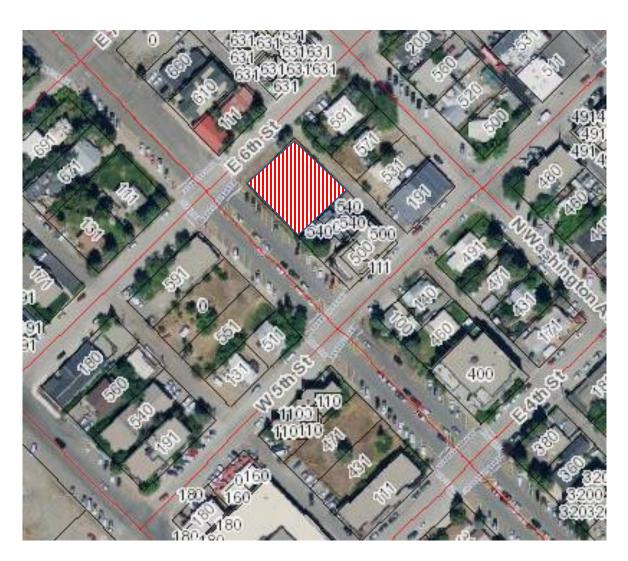
Dimensions (WxD): Approx. 110' x 150'

Ownership: Private (Hardy Foundation

Inc.)

Market Value: \$1,062,728

### 1<sup>st</sup> AVENUE AND 6<sup>TH</sup> STREET LOT



Location: SE Corner of 1st Avenue & 6th

Street

<u>Legal</u>: Lot 5 & 6, Block 35

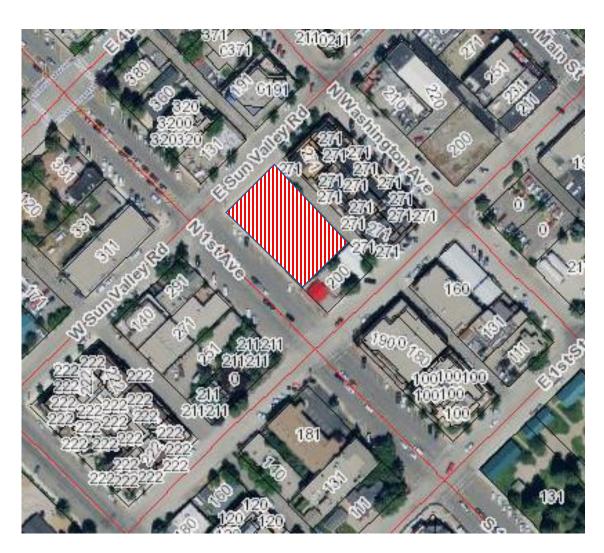
Size: 0.252 acres

Dimensions (WxD): Approx. 110' x 100'

Ownership: Private (Jack Bariteau)

Market Value: \$880,000

### SUN VALLEY ROAD AND 1<sup>ST</sup> AVENUE LOT



Location: SE Corner of 1st Avenue & SV

Road

Legal: Lot 5A, Block 38

Size: 0.38 acres

Dimensions (WxD): Approx. 165' x 100'

Ownership: Private (260 1st LLC)

Market Value: \$1,617,000

### GATEWAY BUILDING LOT



<u>Location</u>: Main Street, South of River

<u>Legal</u>: Lots 3, 21, 22, Block 82

Size: 0.774 acres

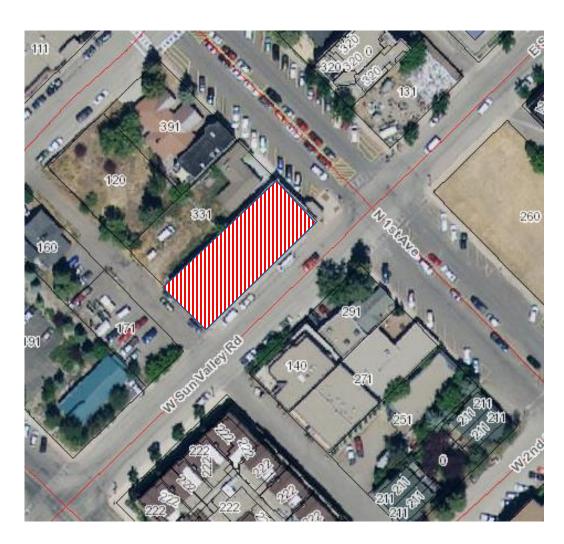
<u>Dimensions (WxD)</u>:

Ownership: Private (Idaho Banking

Company, C/O DL Evans)

Market Value: \$2,421,785

### OLD POST OFFICE LOT



Location: NW Corner of 1st Avenue & SV

Road

Legal: Lot 4, Block 57

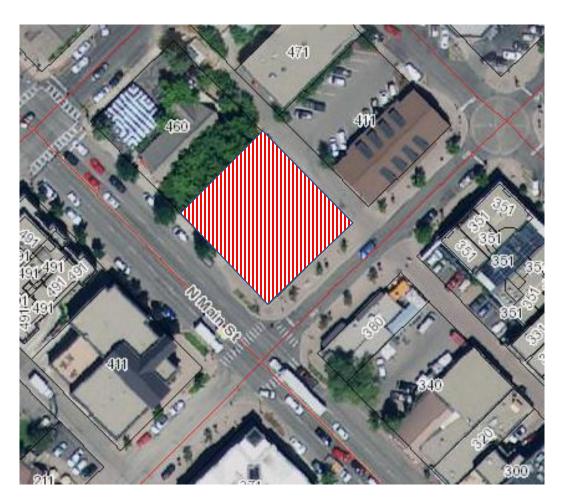
Size: 0.189 acres

Dimensions (WxD): Approx. 50' x 150'

Ownership: Private (Geneva Plaza LLC)

Market Value: \$1,144,788

### HOT DOG HILL LOT



Location: NE Corner of Main Street & 4th

Street

Legal: Lots 1 & 2, Block 5

Size: 0.252 acres

Dimensions (WxD): Approx. 110' x 100'

Ownership: Private (440 North Main

LLC).

Market Value: \$1,210,000

### BARSOTTI LIGHT INDUSTRIAL LOT



Location: SE Corner of Saddle &

Northwood Roads

<u>Legal</u>: Lots 23 & 24

Size: 1.096 acres

Dimensions (WxD): Approx 210' x 200'

Ownership: Private (Barsotti Investment

Company LLC)

Market Value: \$1,388,246

# ORGANIZATION-OWNED LOTS

### FESITVAL FIELD LOT



**Location**: Sun Valley Road (East of Town)

<u>Legal</u>: Sec 18 4N 18E

Size: 5.0 acres

Dimensions (WxD): Approx. 300' x 630'

Ownership: Private (City of Sun Valley)

Market Value:

### RED BARN LOT



<u>Location</u>: Sun Valley Road (east of town)

<u>Legal</u>: Bitter Root Sub, Lot 3, Block 2

Size: Approx. 7.0 acres

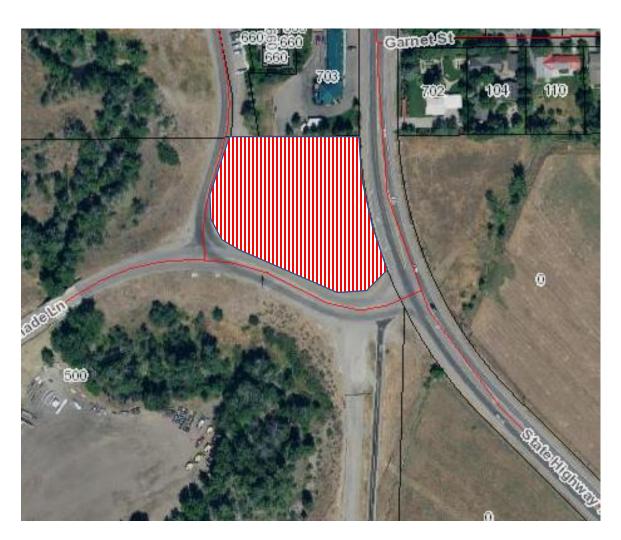
Dimensions (WxD): Approx. 450' x 375'

Ownership: Private (Sun Valley

Company)

Market Value: Unknown

### 2<sup>ND</sup> AVENUE & SERENADE LANE LOT



Location: 2<sup>nd</sup> Avenue @ Serenade Lane

Legal: N/A

Size: Approx. 1.3 acres

Dimensions (WxD): Approx. 210' x 230'

Ownership: Private (Sun Valley

Company)

Market Value: Unknown

### SNOW DUMP LOT



Location: Serenade Lane

Legal: N/A

Size: 3.75 acres

Dimensions (WxD): 325' x 500'

Ownership: Private (Sun Valley

Company)

Market Value: Unknown

### SIMPLOT LOT



<u>Location</u>: NW Corner of 6<sup>th</sup> Street & 2<sup>nd</sup> Avenue.

Legal: Lot 3A, Block 1

Size: 0.72 Acres

Dimensions (WxD): Approx. 175' x 190'

Ownership: Private (Simplot Ketchum

Properties LLC).

Market Value: \$1,717,960