

**AUBURN
FIRE DEPARTMENT**



**FIRE PROTECTION & BUILDING
STANDARDS**

**Commercial
&
Multi Family Residential
2017**

§100.50. ADOPTION OF THE FIRE CODE.

There is hereby adopted by the Council, for the purpose of prescribing regulations governing conditions hazardous to life and property from fire or explosion, that certain Code known as the California Fire Code 2016 Edition including the administrative provisions based on the 2015 International Fire Code including Appendices, as published by the International Code Council (ICC) as adopted and amended by the California Building Standards Commission in the California Building Standards Code, Title 24 of the California Code of Regulations, Part 9, thereof and the whole thereof, save and except such portions as are hereinafter deleted, modified or amended as set forth in this article, of which Code not less than one (1) copy have been and are now filed in the office of the City Clerk, and said Code is hereby adopted and incorporated in this chapter as fully as if set out at length in this chapter, and the provisions thereof shall be controlling within the limits of the City.

**§100.53 LIMITS IN WHICH THE STORAGE OF CLASS I AND
CLASS II LIQUIDS IN ABOVE-GROUND TANKS
OUTSIDE OF BUILDINGS IS PROHIBITED.**

- (A) The limits referred to in section 5704.2.9.6.1 of the Fire Code, in which the storage of Class I and Class II liquids in above-ground tanks outside of buildings are hereby established as areas where such use as determined by the Fire Chief may be restricted in accordance with the city zoning ordinance.
- (B) The Council, by resolution, may modify the limits of the districts established by the provisions of this section.

§100.54. LIMITS IN WHICH THE STORAGE OF CLASS I AND CLASS II LIQUIDS IN ABOVE-GROUND TANKS IS PROHIBITED.

- (A) The limits referred to in section 5706.2.4.4 of the Fire Code, in which the storage of Class I and Class II liquids in above-ground tanks are hereby established as areas where such use as determined by the Fire Chief may be restricted in accordance with the city zoning ordinance.
- (B) The Council, by resolution, may modify the limits of the districts established by the provisions of this section.

§100.55. LIMITS IN WHICH THE STORAGE OF FLAMMABLE CRYOGENIC FLUIDS IN STATIONARY CONTAINERS IS PROHIBITED.

- (A) The geographic limits referred to in section 5806.2 of the Fire Code, in which the storage of flammable cryogenic fluids in stationary containers is prohibited, are hereby established as areas where certain use, as determined by the Fire Chief, may be restricted in accordance with the city zoning ordinance.
- (B) The Council, by resolution, may modify the limits of the districts established by the provisions of this section, unless other applicable law requires an amendment to occur via ordinance.

§100.56. LIMITS IN WHICH THE STORAGE OF LIQUEFIED PETROLEUM GAS IS RESTRICTED FOR THE PROTECTION OF HEAVILY POPULATED OR CONGESTED AREAS.

- (A) The geographic limits referred to in section 6104.2 of the Fire Code, in which the storage of liquefied petroleum gas is restricted for the protection of heavily populated or congested areas, are hereby established as areas where certain, use as determined by the Fire Chief, may be restricted in accordance with the city zoning ordinance.
- (B) The Council, by resolution, may modify the limits of the districts established by the provisions of this section.

§100.58 AMENDMENTS TO THE FIRE CODE.

- (A) Fire Code Section 202; is amended to read as follows:
Definitions, Added:
 - (1) EMERGENCY ACCESS. A road that provides access for emergency vehicles during an emergency and egress/evacuation for non-emergency vehicles simultaneously.
- (B) Fire Code Section 503.2.1 is amended to read as follows:
 - (1) Dimensions. Fire apparatus roads and Emergency Access shall have an unobstructed width of not less than 26 feet, exclusive of shoulders, and an unobstructed vertical clearance of not less than 15 feet.
- (C) Fire Code Section 503.4 is amended to read as follows:
 - (1) Obstruction of Emergency Access. Emergency Access shall not be obstructed in any manner, including the parking of vehicles. Minimum widths and clearances shall be maintained at all times.
- (D) Fire Code Section 903.2 is amended to read as follows:
 - (1) In all occupancies except Group U Occupancies an approved automatic sprinkler system shall be installed where the occupancy/building has 3,600 or more square feet of total floor area, except where other sections of the CFC or the California

State Fire Marshals regulations are more restrictive, then the more restrictive shall apply. Where additions increase the total size of the building to 3,600 square feet or more, the addition and the existing occupancy/building shall be provided with an approved automatic sprinkler system. Fire separation areas shall not be used to reduce this requirement.

EXCEPTIONS:

1. Group R Division 3 occupancies shall comply with applicable Building Code requirements.

(E) Fire Code Section 903.3.1.3 is amended to read as follows:

- (1) Automatic sprinkler systems installed in one-and two family dwellings, Groups R-3 and R-4 congregate living facilities and townhouses shall be permitted to be installed throughout in accordance with the latest edition of NFPA Standard 13D and shall be equipped with a residential fire sprinkler water flow switch and interconnected to an outside audible device and to the residential smoke detector alarm system.

(F) Fire Code Section 903.4 is amended to read as follows:

- (1) All valves controlling the water supply for automatic sprinkler systems and water-flow switches on all sprinkler systems shall be electronically supervised. Valve supervision, water-flow alarm, fire alarm systems, and trouble signals shall be distinctly different and shall be automatically transmitted to an approved central station.

EXCEPTION:

1. Group R, Division 3 Occupancies are not required to be monitored.

(G) Fire Code Section 907.2 is amended to read as follows:

(1) Where required. All occupancies except Group R, Division 3 and Group U occupancies shall have an approved automatic fire alarm system installed when the occupancy/building does not have an approved automatic sprinkler system installed and is greater than 1,500 or more square feet of total floor area, except where other sections of the CFC or the California State Fire Marshals regulations are more restrictive, then the more restrictive shall apply.

All A, E, H, I, and M occupancies shall have an automatic smoke/heat detection system installed in addition to any other system(s) required by this code.

Where additions increase the total size of the occupancy/building to 1,500 square feet or more the addition and the existing occupancy/building shall be provided with an approved automatic smoke/heat detection system.

Fire alarm system shall mean, but not limited to; smoke detection, heat detection, and manual pull devices, and any other form of fire detection.

All automatic smoke/heat and fire alarm systems installed shall be automatically transmitted to an approved central station.

§100.59 FINDINGS

(A) The Council, following due consideration, hereby finds and determines that all the amendments, deletions, and additions to the foregoing Fire Code are reasonably necessary due to local climatic, geological, and topographical conditions existing throughout the City. The City hereby finds and declares that: The area within which the City is located is within Very High, High, and Moderate Fire Hazard Severity Zones as

designated by CAL FIRE Department of Forestry and Fire Protection and is identified as a City at risk in the National Fire Plan resulting in significant risk to fire. Such conditions increase fire danger by significantly contributing to the spread and intensity of fires and significantly increase the difficulty of effective fire suppression within the City endangering lives and/or millions of dollars in property value. These amendments assist in addressing the fire problems, concerns and future direction by which the authority can establish and maintain an environment which will afford a level of fire and life safety to all who live and work within the City's boundaries.

- (1) Sections 5704.2.9.6.1, 5706.2.4.4, 5806.2, and 6104.2 of the Fire Code are modified to enable the City Council to modify by resolution the limits in which flammable liquids and gases can be stored to ensure public safety.
- (2) Sections 202, 503.2.1, and 503.4 of the Fire Code are amended to clearly define regulations and standards to ensure public safety through means of adequate evacuation for citizens and to limit delays in response time for emergency resources and reduce hazards to firefighters.
- (3) Sections 903.2, 903.3.1.3, and 907.2 of the Fire Code are amended due to life safety conditions that clearly define the regulations based upon occupancy/building use and the life safety fire protection and detection systems required to ensure public safety. The modifications contained in these amendments provide additional fire extinguishing systems in new construction, major remodels, additions, and occupancy classification changes to help mitigate fire problems and to confine a fire to the area of origin rather than spread to

neighboring structures or the wildland. In addition, the use of fire alarm systems ensures early detection and notification so occupants can exit in a safe and efficient manner and so fire in occupancies/buildings may be mitigated in a timely manner.

**CITY OF AUBURN
FIRE DEPARTMENT**

Plan Review and Fee Collection

The following is a guideline for the process of plan review, approval, and fee collection for the Fire Department.

The Fire Department, through Ordinance, has a number of fees for plan review, permits, and services. These fees will be collected upon completion of review and at time of approval. All fees are to be paid in full prior to any issuance of final acceptance and or occupancy.

Procedure:

- A. For projects that are submitted through the Community Development Department, Public Works, or Building Department;

 1. Community Development, Public Works, or Building will submit to the Fire Department any applicable project for review and or comment.
 2. Fire will submit back to appropriate department with conditions, comment, and or approval. Fire will condition the project final approval upon payment of all applicable fees.
 3. Upon final review and or approval, Fire will attach a completed FIRE DEPARTMENT INSPECTION AND PERMIT RECEIPT form (Yellow). This will be forwarded to the appropriate department overseeing the project.
 4. The originating department will forward the FIRE DEPARTMENT INSPECTION AND PERMIT RECEIPT form (Yellow) to the project developer/coordinator (customer) who will pay appropriate fire fees to the Finance department.

- B. For projects that are submitted directly to Fire Department;
(Fire protection and related type systems requiring fire approval only)

 1. Three (3) copies of such plans, diagrams, and calculations are required for Fire Department review.
 2. Fire will review and attach conditions, comment, and or approval. Fire will condition the project final approval upon payment of all fees required.
 3. Upon final review and or approval Fire will attach a completed FIRE DEPARTMENT INSPECTION AND PERMIT RECEIPT form (Yellow). Fire may forward such documents to the Building Department counter for customer pick-up.
 4. Customers will pick-up approved project(s) at Fire or Building Department counter and proceed to Finance to pay all fees.



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FEE SCHEDULE

TYPE OF SERVICE	DESCRIPTION	Fee
Fire Suppression Systems		
UL 300 Hood System	Plan Check, Inspection, Testing	\$163
Sprinkler System Initial - 1-99 Heads	Plan Check, Inspection; Visual, Hydro, Flow, Final	\$211
Sprinkler System Initial - 100-299 Heads	Plan Check, Inspection; Visual, Hydro, Flow, Final	\$260
Sprinkler System Initial - 300+ Heads	Plan Check, Inspection; Visual, Hydro, Flow, Final	\$309
Sprinkler System Tenant Improvement - 1-49 Heads	Plan Check, Inspection; Visual, Final	\$211
Sprinkler System Tenant Improvement - 50+	Plan Check, Inspection; Visual, Final	\$309
Spray Booth	Plan Check, Inspection; Visual, Final	\$211
Specialized Fire System	Plan Check, Inspection, Testing (Min. Fee, additional time charged at inspection rate)	\$309
Fire Pump System	Plan Check, Inspection; Visual, Final	\$114
Fire Standpipe System	Plan Check, Inspection; Visual, Final	\$114
Smoke Management Systems	Plan Check, Inspection; Visual, Final	\$114
Special Suppression System	Plan Check, Inspection; Visual, Final	\$211
Alarm Systems		
Alarm System - 1-9 Devices	Plan Check, Inspection, Testing	\$211
Alarm System - 10-29 Devices	Plan Check, Inspection, Testing	\$260



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FEE SCHEDULE

Alarm System - 30+ Devices	Plan Check, Inspection, Testing	\$309
Alarm System - Tenant Improvement	Plan Check, Inspection, Testing	\$211
Building and Development		
Subdivisions - 0-50 Units	Plan Review (Civil), Develop Conditions	\$211
Subdivisions – 51+ Units	Plan Review (Civil), Develop Conditions	\$211
Fire Plan for Development - Develop-Subdivision	Plan Development	\$260
Fire Plan for Development - With Open Space	Plan Development	\$357
Hydrant Flow Test	Flow, Record, Hydrant Test	\$211
Private Fire Service Main - Sprinkler feed only	Plan Check, Inspection; Visual, Hydro, Flow, Final	\$211
Private Fire Service Main - Fire Hydrants	Plan Check, Inspection; Visual, Hydro, Flow, Final	\$211
Compressed Gas Systems – General	Plan Check, Inspection	\$309
Compressed Gas Systems - Hazardous Material	Plan Check, Inspection	\$309
Compressed Gas Systems - Medical Gas	Plan Check, Inspection	\$309
Electric Gate	Plan Check, Inspection; Visual, Final	\$114
Residential Parcel Inspection	Inspection	\$211
Project Plan Review Revision Per Hour	Plan Check Hourly Rate	\$114
Re-inspection Fee	Inspection	\$114
Permits and Licensing		
Permits as Required by the Fire Code	Review, Inspection, and Issuance	\$114



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FEE SCHEDULE

Apartments/Hotels/Motels - 3-16 units	Inspection	\$211
Apartments/Hotels/Motels - 17-32 units	Inspection	\$260
Apartments/Hotels/Motels - 33 or more units	Inspection	\$309
Community Care Licensing - Initial application	Review, Pre-Inspection, Inspection, 850 Form Submittal	\$309
Community Care Licensing - Occupancy Change	Inspection, 850 Form Submittal	\$309
Carnivals and Fairs	Review, Inspection	\$309
Combustible Dust Operations	Review, Inspection	\$211
Combustible Storage	Review, Inspection	\$211
Commercial Day Care Facility - 7-49 persons	Inspection	\$211
Commercial Day Care Facility - 50-149 persons	Inspection	\$309
Commercial Day Care Facility - 150 or more persons	Inspection	\$406
Compressed Gases	Inspection	\$211
Cryogens	Inspection	\$211
Dry Cleaning Plant	Inspection	\$211
Dust Producing Operations/Storage	Inspection	\$309
Flammable/Combustible Liquids	Inspection	\$211
Garage Repairs/Motor Vehicles Fuel	Inspection	\$309
Hazardous Materials	Inspection	\$211
High Piled Storage	Inspection	\$211
Hot Works/Cutting & Welding	Inspection	\$211



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FEE SCHEDULE

Institutional - Fewer than 6 patients	Inspection	\$211
Institutional - 6 or more patients	Inspection	\$309
Large Family Day Care Inspection	Inspection	\$211
Liquid Petroleum Gas (LPG)	Inspection	\$211
Lumber Yard/Woodwork	Inspection	\$309
Organic Coating Application	Inspection	\$211
Ovens (Industrial Baking/Drying)	Inspection	\$211
Places of Assembly - Less than 300 Occupants Load	Inspection	\$211
Places of Assembly - 300 - 999 Occupants Load	Inspection	\$309
Places of Assembly - 1000 or more Occupant Load	Inspection	\$406
Residential Care Facilities - Less than 7 Residents	Inspection	\$211
Residential Care Facilities - 7 or more Residents	Inspection	\$309
Spraying or Dipping	Inspection	\$211
Temporary Membrane Structures - 401 - 1499 sq ft.	Review, Inspection	\$211
Temporary Membrane Structures - 1500 - 2999 sq ft.	Review, Inspection	\$211
Temporary Membrane Structures - 3000 - 5999 sq ft.	Review, Inspection	\$309
Temporary Membrane Structures - 6000 or more sq ft.	Review, Inspection	\$309
Tire Storage	Inspection	\$211
Wood Products	Inspection	\$211
Above Ground Tank	Inspection	\$211



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FEE SCHEDULE

Underground Tank	Inspection	\$211
Knox Box Servicing	Inspection and Service	\$114
Family Day Care	Inspection	\$114
Other Fire Code Inspection	Inspection	\$114
Other Required Inspections Not Specifically Listed	Inspection	\$114
Pre-Inspection Fee	Pre-Inspection	\$114
Off Hours Inspections	Inspection	\$163
General/Misc.		
Annual Business General Fire & Life Safety Inspections	Inspection	\$211
Standard Inspection Rate	Per Hour	\$114
Special Consultation Fee	Per Hour	\$114
Reports and Documentation		\$114
Weed/Vegetations Abatement Processing Fee - Abatement	Administrative Fees for Processing Abated Properties; Fee(s) added to actual charges incurred	\$406
Weed/Vegetations Abatement Processing Fee - Submittal to Tax Assessor	Fee	\$504
Outsourced Plan Review	Outsourced Plan Review	Actual Costs Incurred
Will Serve Letters/Special Requests	Will Serve Letters/Special Requests	\$211
False Alarm Response	False Alarm Response	\$751
Fire Flow Hydrant Test	Flow Test	\$114

*Inspections include an initial field inspection and one (1) re-inspection. Repeated failed tests or additional inspections required will be charged at the standard inspection rate for an inspection.



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FEE SCHEDULE

Service	Rate	
Type 1, Type 2, Type 3 Fire Engine and Water Tender - GPM 0001 - 1000	<u>GPM</u> 0001 – 1000 1001 – 1250 1251 – 1500 1501 - 2000+	<u>Hourly</u> \$75.00 \$90.00 \$95.00 \$105.00
Rescue Fire Apparatus (Light)		\$80.00
Fire Department Pickup Truck		\$56.00
Fire Department Sedan		\$45.00
Fire Department Van		\$64.00
Fire Department SUV		\$80.00
Non-City Equipment or Vehicle		Actual Cost Incurred
Emergency (Spilled Load, Hazmat, DUI, Etc.) Responses	Hourly	\$114
Engine Company Standby	Hourly	\$114
Additional Standby Time	Hourly	\$114

*One hour minimum; 15-minute increments thereafter

**Current Labor Rate:

Full-time and part-time Fire Department Personnel: Actual weighted rate for the personnel performing services

Volunteer Personnel: Current Cal EMA rates on file

Independent Contractor: Actual Cost Incurred

**AUBURN FIRE DEPARTMENT
PLAN REVIEW CHECKLIST**

**Commercial Development
& Multi-Family Residential**

In an effort to expedite the Fire Department Plan Review process for your project a check list has been developed to ensure that pertinent information is identified on your plans. The items listed are standard conditions for the type of project as submitted. This list is for your use.

Plans Required for Review	Plans Required for Review
<input type="checkbox"/> Overall site plan indicating: roads & access, water mains & size, fire hydrant(s), fire sprinkler lines, building location(s), grade dimensions,	<input type="checkbox"/> Building plans indicating: size of building(s), occupancy type, construction type, ingress & egress locations, special hazards,
<input type="checkbox"/> Vegetation management plans or landscaping plans	<input type="checkbox"/> Other relevant plans pertaining to project

General Site Plan Information	Building and Related Information
<input type="checkbox"/> Fire access & roads, indicate width	<input type="checkbox"/> Project address
<input type="checkbox"/> Fire access & roads, indicate length	<input type="checkbox"/> Occupancy type (as based on the CBC)
<input type="checkbox"/> Fire access & roads, if over 150' indicate turnaround with dimensions	<input type="checkbox"/> Total square footage of all buildings
<input type="checkbox"/> Fire access & roads, indicate grade	<input type="checkbox"/> Setbacks from property lines
<input type="checkbox"/> Fire access & roads, indicate vertical clearance	<input type="checkbox"/> Indicate where address is posted on building
<input type="checkbox"/> Fire access & roads, indicate surface	<input type="checkbox"/> Location of Knox Box as applicable
<input type="checkbox"/> Fire access & roads, indicate RED CURB & "NO PARKING" signs	<input type="checkbox"/> Location of fire extinguishers in all buildings
<input type="checkbox"/> Indicate existing water mains & size	<input type="checkbox"/> Base of Riser and sprinkler control valves within all buildings
<input type="checkbox"/> Indicate new water mains & size	<input type="checkbox"/> Location of dumpster/trash storage areas
<input type="checkbox"/> Indicate fire hydrant location(s)	<input type="checkbox"/> Storage of flammable liquids or other such hazards
<input type="checkbox"/> Indicate location of Fire Department Connection (for sprinkler system)	<input type="checkbox"/> Roof materials and rating
<input type="checkbox"/> Indicate location of Sprinkler System Valves (PIV, Back Flow Valves, etc.)	<input type="checkbox"/> Exterior siding/outer wall materials

FIRE DEPARTMENT CONDITIONS (Commercial and Multi-Residential)

Specific conditions for this project:

Plan Submittal and Permit

1. Plans shall be submitted to the fire department for approval prior to any work on the project.
2. All applicable fire department fees and permits are to be paid in full as a condition of approval.

Access to Structures

3. Access roadways shall extend to within 150 feet of all portions of the exterior walls of the first story of the structure.
4. Fire access roads shall be designed to provide an all weather driving surface. The access road shall be constructed to the following requirements subject to the approval of the Public Works Department:
 - a. Grades shall not exceed 15% except upon review and approval by the Fire and Public Works Departments.
 - b. Fire access roads shall be a minimum of 26 feet with no parking. Signage shall be provided as applicable which may include posted signs and or red curbing.
 - c. At least 15 ft. of vertical nominal clearance shall be provided over the full width of the roads, driveways, and other means of vehicular access.
 - d. A fire access that exceeds 150 feet shall provide a turnaround for fire apparatus. The turnaround shall be designed and located to the satisfaction of the Fire Department and shall be in service during construction.

Parking/Fire Lanes

5. No parking is permitted on roadways used for emergency access when the road is 26' wide or less.
6. "No Parking" signs or other designation indicating that parking is prohibited shall be provided at all fire lanes and roads used for fire access.
7. All improvements, including paving and maintenance of restricted access ways, shall be performed to the satisfaction of the Fire Department and the Director of Public Works. Access shall be continuously maintained during the building construction period and required fire lanes shall be maintained in an unobstructed manner and subject to inspection by the Fire Department.

Signs and Premises Identification:

8. Premise identification for new buildings shall have approved address numbers placed in a position to be plainly legible and visible from the street or road fronting the property. Commercial and Multi-residential buildings are to have 12" address

numbers posted on the frontage side of the building and will require the numbers to contrast with their background.

9. Address numbers shall be Arabic numerals.

Fire Department Rapid Entry System:

10. Structures required to have a fire alarm system, standpipe or sprinkler systems shall provide a public safety keybox system for fire department use. The keybox shall contain keys for emergency access, alarm box, fire alarm room, electric rooms, and any other key necessary for emergency entry.
11. To obtain local fire department authorization to purchase a "Key Box" the property owner or his/her authorized representative shall request the necessary order form from the fire department.
The property owner shall install the keybox at a pre-approved location on the premises.

Fire Extinguishers:

12. Fire extinguishers shall be provided for the protection of the building structure and the occupancy hazards within. Fire extinguishers shall be provided in accordance with the applicable fire code.

Water Supply:

13. An approved water supply capable of supplying the required fire flow shall be provided to all buildings or portions of buildings hereafter constructed and become occupied.
14. Fire hydrants shall be provided to deliver the water supply in accordance with the applicable fire code.
15. Water flow information shall be verified through Placer County Water Agency. Water supply mains for fire protection systems shall be installed in accordance with the requirements of the Placer County Water Agency.

Fire Flow Requirements:

16. Minimum fire flow requirements shall be in accordance with the Fire Code.

Fire Hydrant:

17. Fire Hydrants shall comply with the following standards:
 - a. Hydrant spacing shall be in accordance with the Fire Code.
 - b. When access, fire lanes, or cul-de-sac depth exceed 450 feet (450'), hydrants shall be required mid-depth.
 - c. Hydrants shall be clearly identified with a blue reflective marker located 6 to 8 inches (6" to 8") from center of street or road way toward hydrant.
 - d. Curbing in front of hydrants shall be painted red 7 feet 6 inches (7'-6") on each side of hydrant.
 - e. Hydrant standards and installation shall be as required by Placer County Water Agency (PCWA).

Fire Sprinkler System:

18. Automatic fire extinguishing systems shall be required when any commercial or multi-residential structure exceeds 3600 square feet of total floor area. Approved automatic sprinkler systems shall be as set forth in NFPA 13, NFPA 13D, NFPA 13R, or other NFPA Publications as applicable.

Fire Department Connection (FDC) - (Fire sprinkler system)

19. Fire Department Connection (FDC) shall be on the street side of buildings and shall be located and arranged so that hose lines can be readily and conveniently attached to the inlets without interference from any nearby objects, including buildings, fences, post or other Fire Department Connections.
20. Hose connections shall be equipped with standard caps, properly secured and arranged for easy removal. Fire Department Connection shall be no more than 40 feet (40') from a fire hydrant. Additional fire hydrants may be required depending on the location of the fire department connection for the building.

Fire Alarm System:

21. Every automatic fire sprinkler system shall be equipped with an alarm system. The system shall consist of a water flow switch, valve tampering switch(s), audible warning device(s) and supervised by a central fire alarm station. Based on occupancy, additional alarm devices/systems may be required to provide audible and visual warning, manual activations, and smoke and heat detection.
22. An occupancy exceeding 1500 square feet and not protected by an automatic fire sprinkler system shall have an alarm system installed. This may include: smoke/heat detection, manual pull stations, audible warning device(s), and must be supervised by a central fire alarm station.

Fire Protection During Construction

23. Fire department vehicular access to all structures under construction shall be provided at all times. In areas where ground surfaces are soft or likely to become soft, hard all-weather surface access roads shall be provided.
24. The fire protection water supply system, including fire hydrants, shall be installed and in service prior to placing combustible building materials for structures or combustible pre-tested fabricated building assemblies on the project site or utilizing them in the construction of building structures. If phased construction is planned, coordinated installation of the fire protection water system is permitted. Trash and debris shall be removed from the construction site as often as necessary to maintain a fire safe construction site.
25. Flammable or combustible liquids shall be stored, handled, or used on the construction site in accordance with the applicable provisions of the fire code.
26. At least one portable fire extinguisher having a rating of at least 4-A, 30-BC shall be within a travel distance of 75 ft. or less to any point of a structure under construction. Personnel normally on the construction site shall be instructed in the use of the fire extinguishers provided.

27. Buildings and structures constructed in Fire Hazard Severity Zones shall, in addition to the requirements of the California Building Code, be required to meet additional requirements as set forth by the Fire Department.

Vegetation management plan:

28. A fuel modification plan shall show conceptually the areas of fuel modification necessary to achieve an acceptable level of risk regarding exposure of structures to combustible vegetation. The plan shall be approved by the Fire Department based on criteria as set forth in fuel modification guidelines for fire hazard severity zones.

DEFENSIBLE SPACE OVERVIEW AND REQUIREMENTS

Defensible Space, Definition:

The area within the perimeter of a parcel, development, neighborhood or community where basic wildland fire protection practices and measures are implemented, providing the key point of defense from an approaching wildfire or defense against encroaching wildfires or escaping structures fires. The perimeter as used in this definition is the area encompassing the parcel or parcels proposed for construction and or development, excluding the physical structure itself. The establishment and maintenance of emergency vehicle access, emergency water reserves, street names and building identification, and fuel modification measures characterize the area.

Defensible space fuel modification.

This is an area where material capable of allowing a fire to spread unchecked has been treated, cleared or modified to slow the rate and intensity of an advancing fire and to create an area for fire suppression operations to occur.

Defensible space is required around all structures for any project.

Defensible space can be accomplished by:

- 1.) The removal of non-fire resistive vegetation and or;
- 2.) The application of ornamental fire resistive ground covers or vegetation.

Defensible Space requirements for projects include:

Defensible space shall be provided from any building for a distance of 100' to 200' or up to the property line when less than 200'. Distance shall be measured along the grade from the perimeter or projection of the building. Distance may be determined by a number of factors that may include; slope, topography, fuel types, and exposure to the wild land.

Ornamental vegetative fuels or cultivated ground covers shall be permitted within the designated defensible space area provided that they do not provide for a means of readily transmitting fire from the growth to any structure.

Trees shall be permitted within the defensible space provided that the horizontal distance between the crowns of adjacent trees and the crowns of fuel is not less than 10'. Deadwood and litter shall be regularly removed from trees.

Tree crowns extending to within 10' of any structure shall be pruned to maintain a minimum horizontal clearance of 10'. Tree crowns within the defensible space shall be pruned to remove limbs located less than 6' above the ground surface.

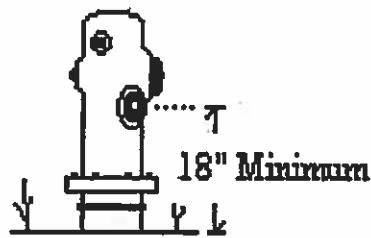
Any portion of tree crowns which extend to within 10' of the outlet of a chimney shall be pruned to maintain a minimum horizontal clearance of 10'.

Process:

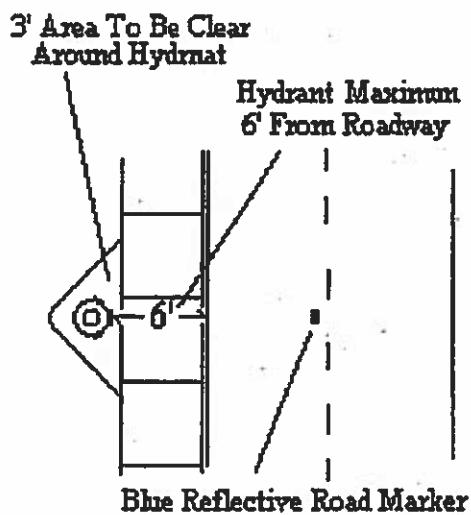
Prior to issuance of building permits for any residential structure or building, the fire department shall review the proposed plans for compliance with applicable conditions and requirements for the project. Plans submitted are to indicate defensible space areas and what application will be used to create the defensible space. The fire department shall issue approval through the City of Auburn permit process prior to any construction. The fire department shall conduct any such required inspections prior to issuance of final occupancy for any permitted project. In addition, within allowable code enforcement, the fire department will have the ability to inspect for compliance of such defensibility requirements and enforce mitigation measures to ensure compliance at any time.

Vegetation Management Plan

A Vegetation Management Plan is the assessment, implementation, and maintenance used to mitigate the hazards of potential wildfire for a specific project or geographical area. A Vegetation Management Plan is to address specific courses of action, responsible parties, resources and priorities. Components of a Vegetation Management Plan may include, but not limited to: modification of fuels, removal of fuels, fire safe landscaping, defensible space, shaded fuel breaks, fire breaks, and other such means to mitigate the hazards of wildfire. Components contain specific prescriptions to be used in the Vegetation Management Plan with the intent of reduction of wildfire hazard.



Fire Hydrant, Typical



Fire Hydrant Placement & Location

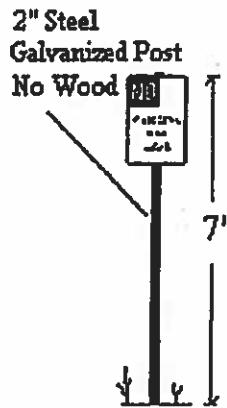
Fire Hydrant, Placement, Location & Marking

Fire Code & Fire Safe Standards

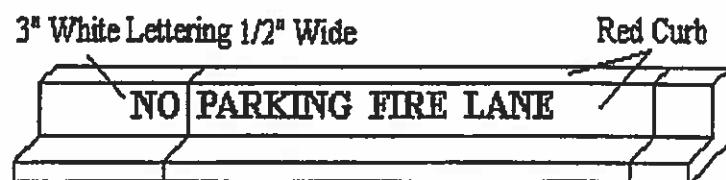
**AUBURN FIRE
DEPARTMENT**



"No Parking Sign"



Posted Sign

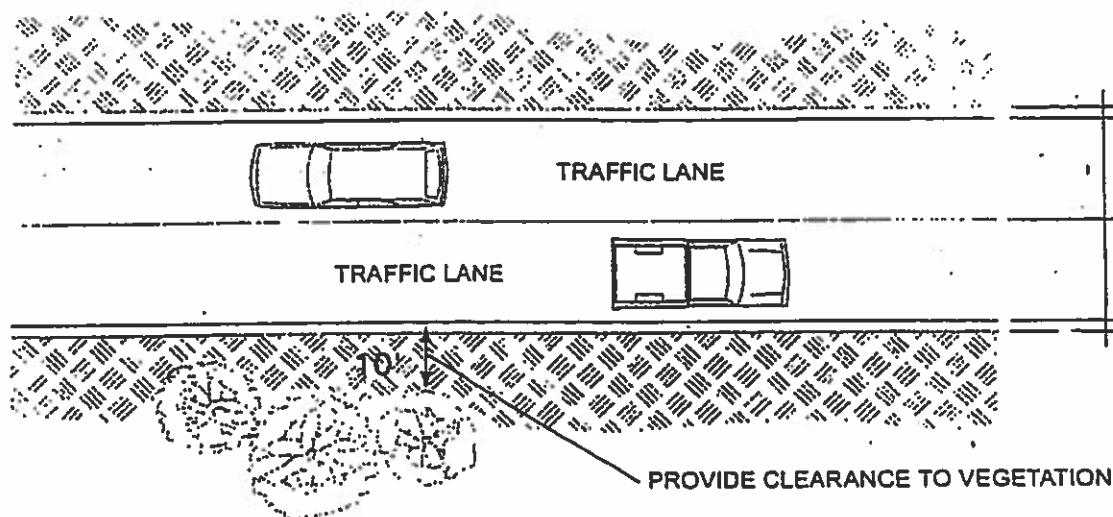


Red Curbing

"NO PARKING" Sign & Red Curbing

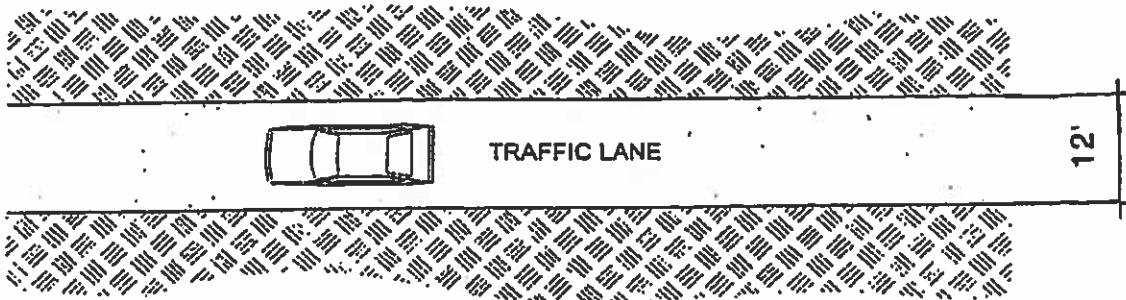
Fire Code & Fire Safe Standards

**AUBURN FIRE
DEPARTMENT**



ROAD & PRIVATE LANES
(With "No Parking")

MINIMUM OF 2 LANES
26' MINIMUM WIDTH



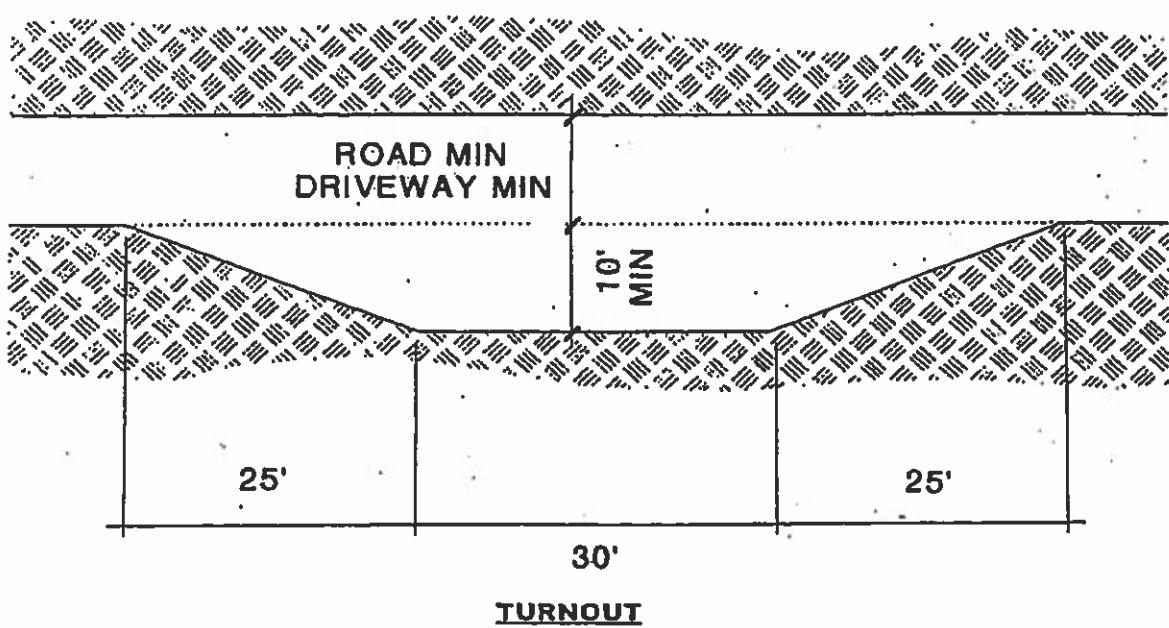
DRIVEWAY
(With "No Parking")

MINIMUM 12' TRAFFIC LANE

Road, Private Lane, Driveway

Fire Code & Fire Safe Standards

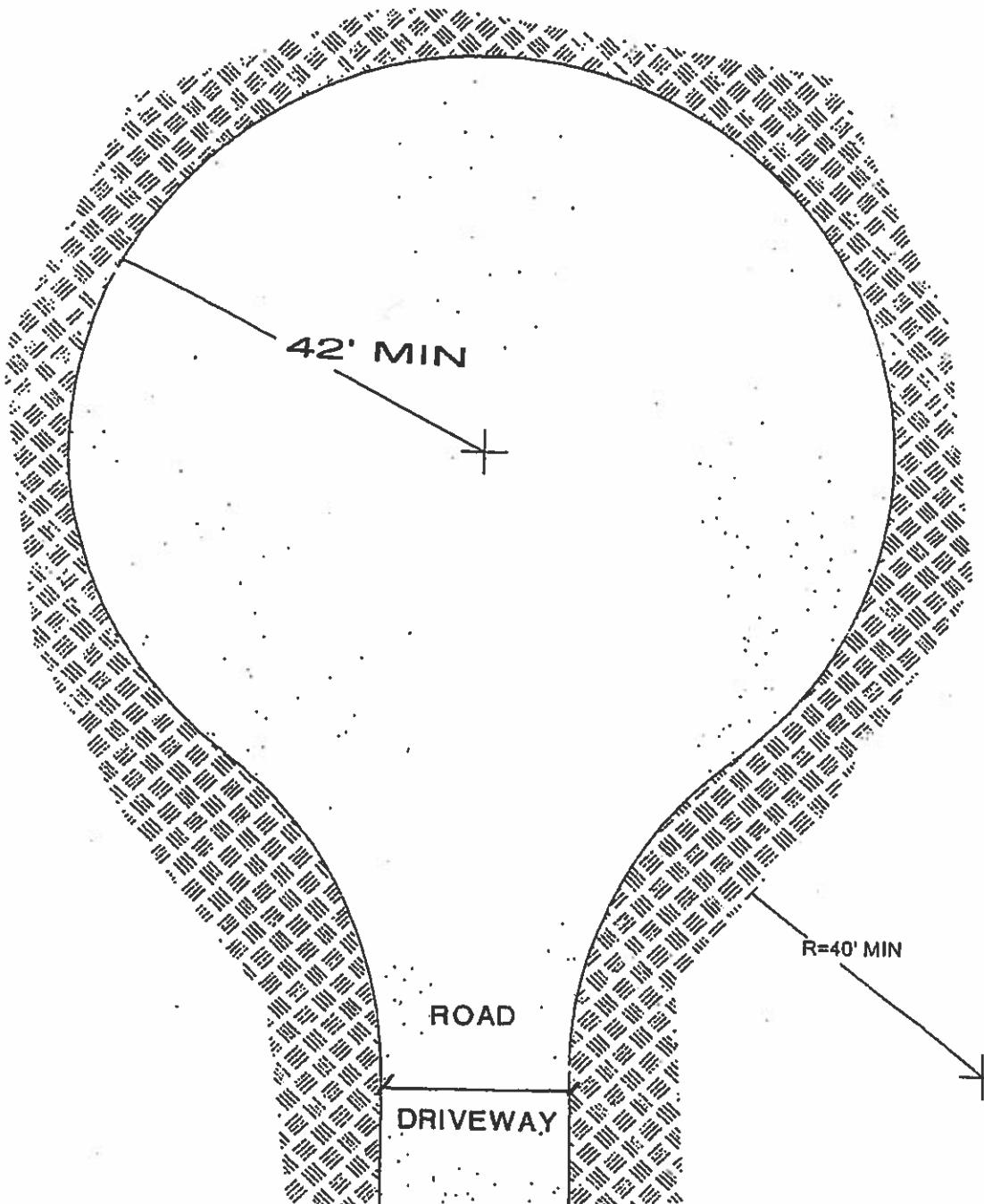
**AUBURN FIRE
DEPARTMENT**



Turnout, One-Way Road & Driveway

Fire Code & Fire Safe Standards

**AUBURN FIRE
DEPARTMENT**

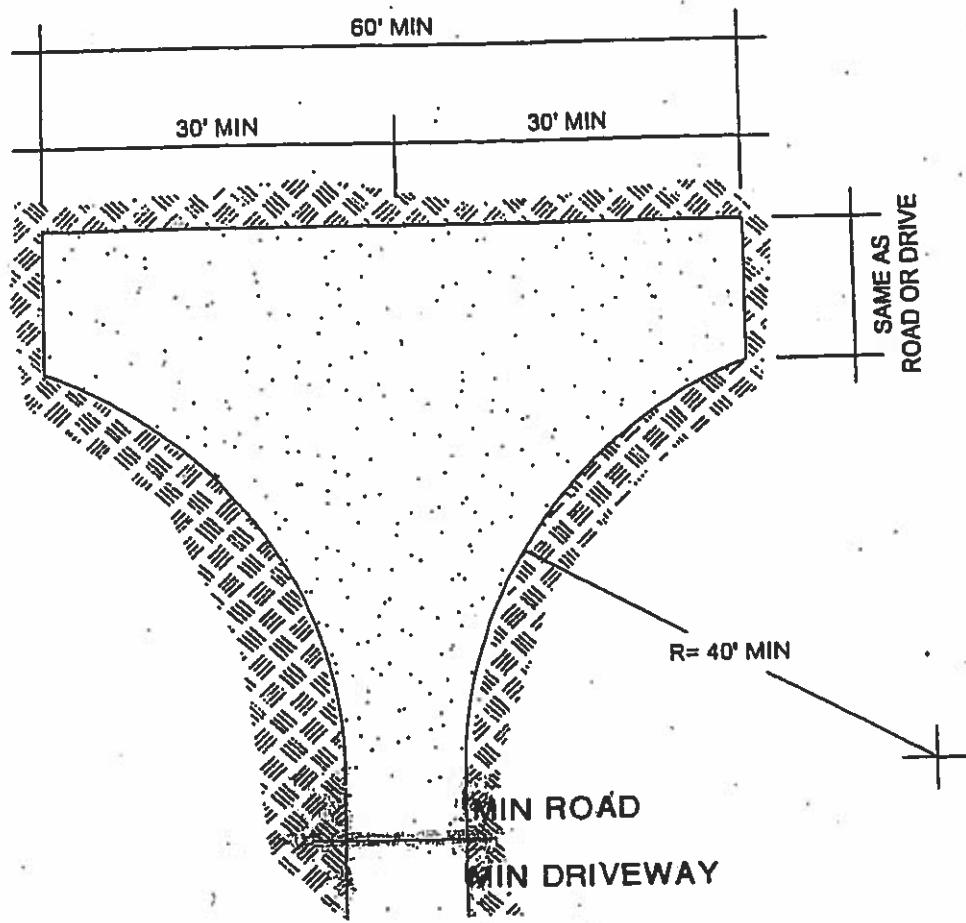


**Turnaround, Cul-De-Sac
With "No Parking"**

Turnaround, Road & Driveway

Fire Code & Fire Safe Standards

**AUBURN FIRE
DEPARTMENT**

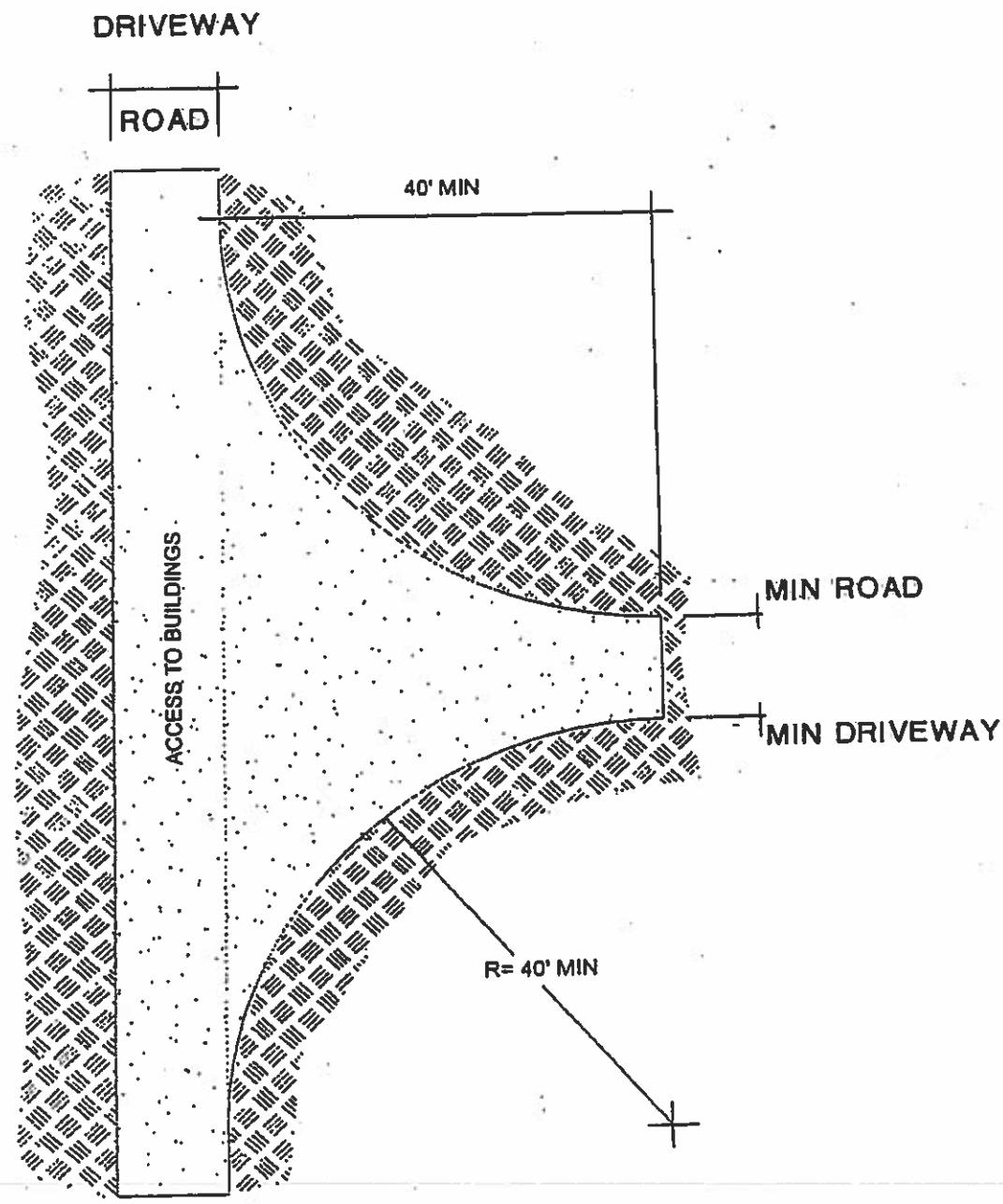


HAMMERHEAD TURNAROUND

Turnaround, Hammerhead, Road & Driveway

Fire Code & Fire Safe Standards

**AUBURN FIRE
DEPARTMENT**

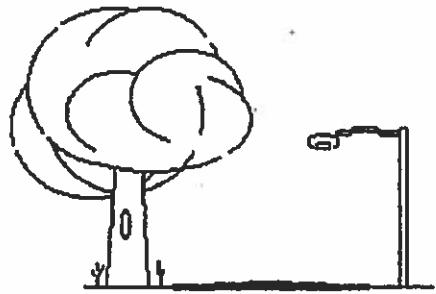


STUB-OUT TURNAROUND

Turnaround, Stub-Out, Road & Driveway

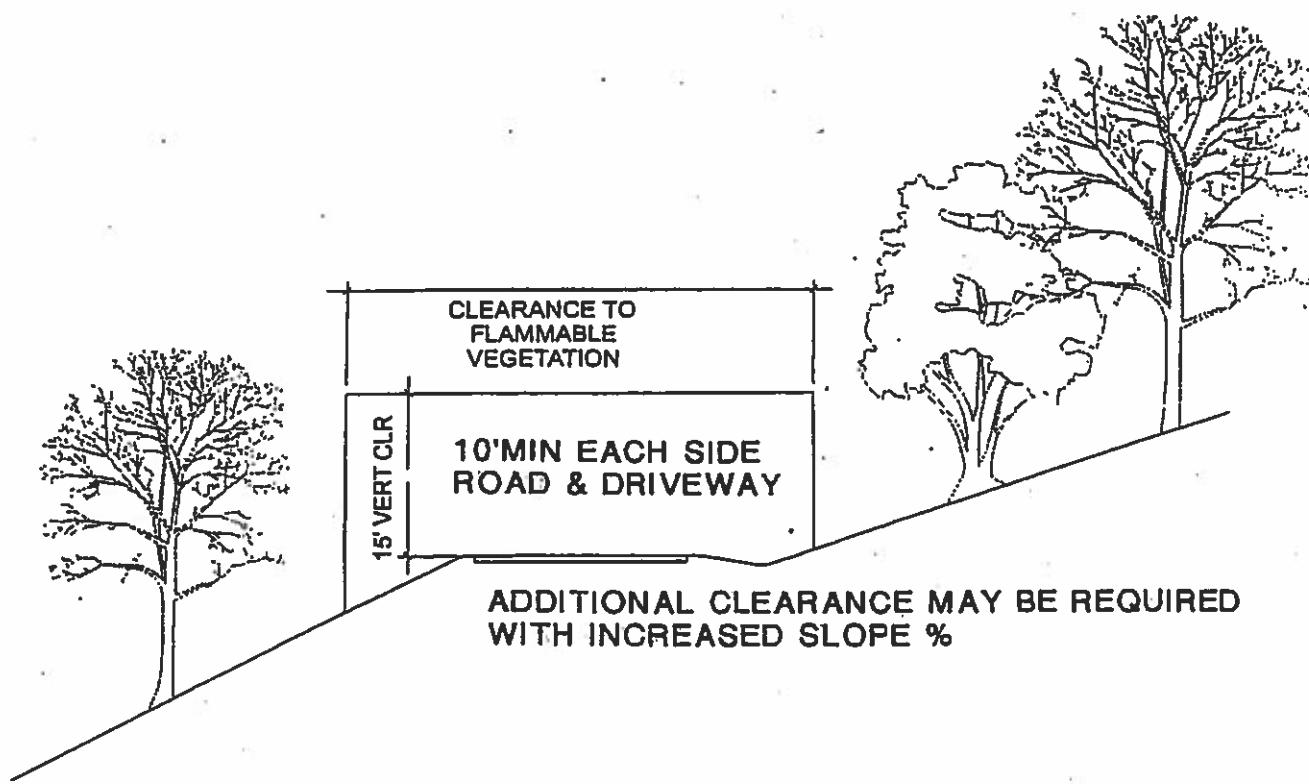
Fire Code & Fire Safe Standards

**AUBURN FIRE
DEPARTMENT**



Vertical Clearance

Minimum 15'

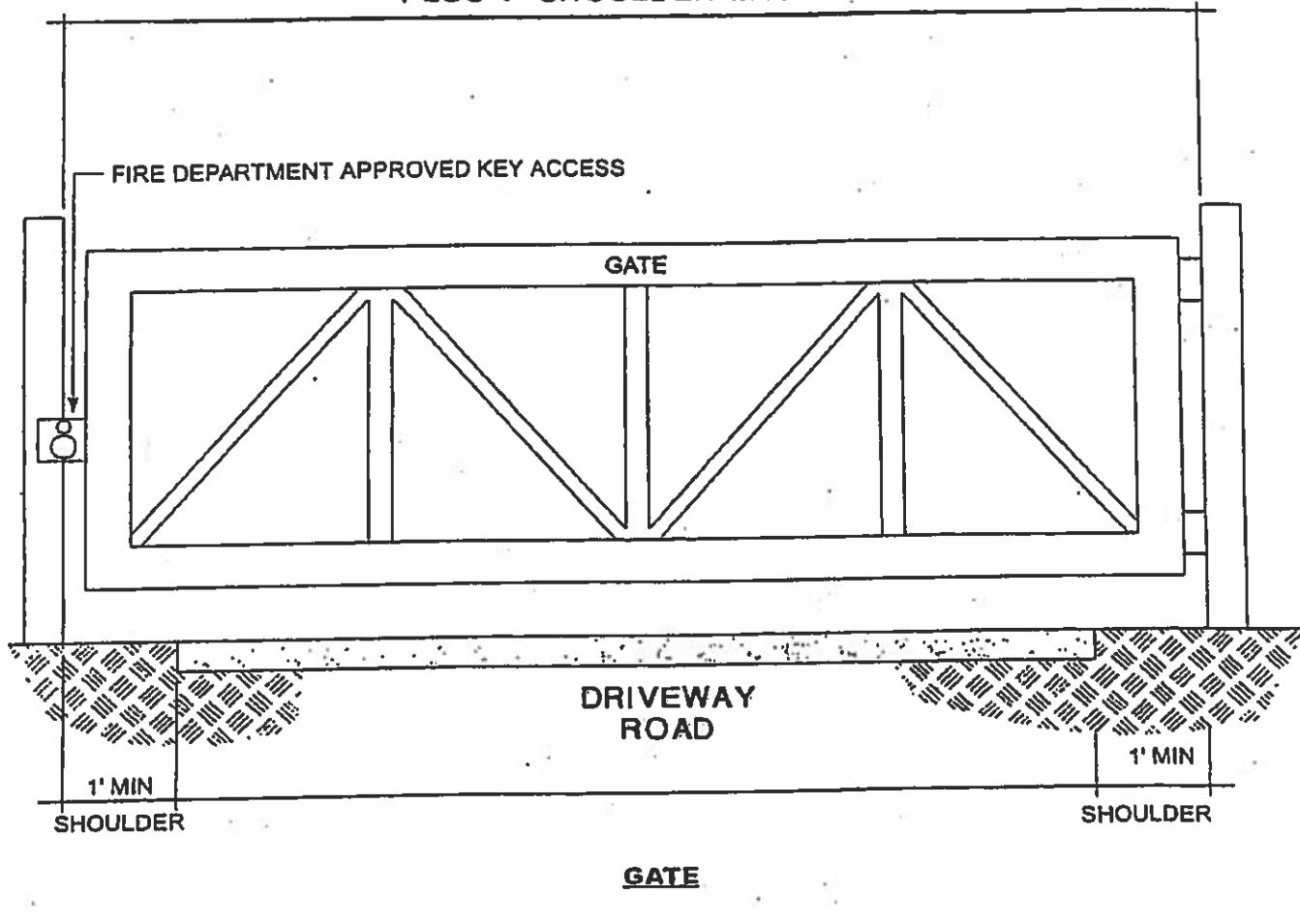


Road & Driveway, Clearance

Fire Code & Fire Safe Standards

**AUBURN FIRE
DEPARTMENT**

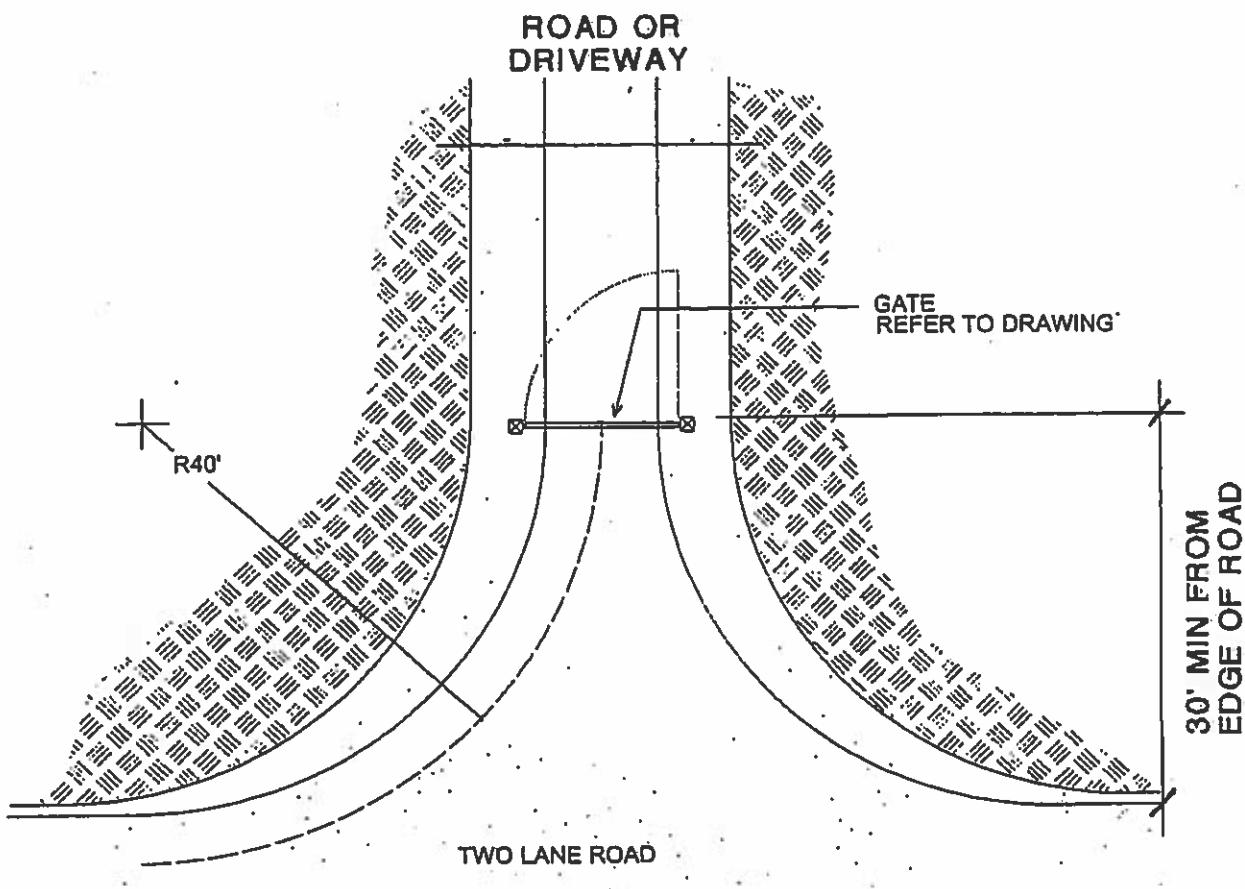
**TOTAL TO BE WIDTH
PLUS 1' SHOULDER EACH SIDE**



Gate For Road, Private Lane, & Driveway

Fire Code & Fire Safe Standards

**AUBURN FIRE
DEPARTMENT**



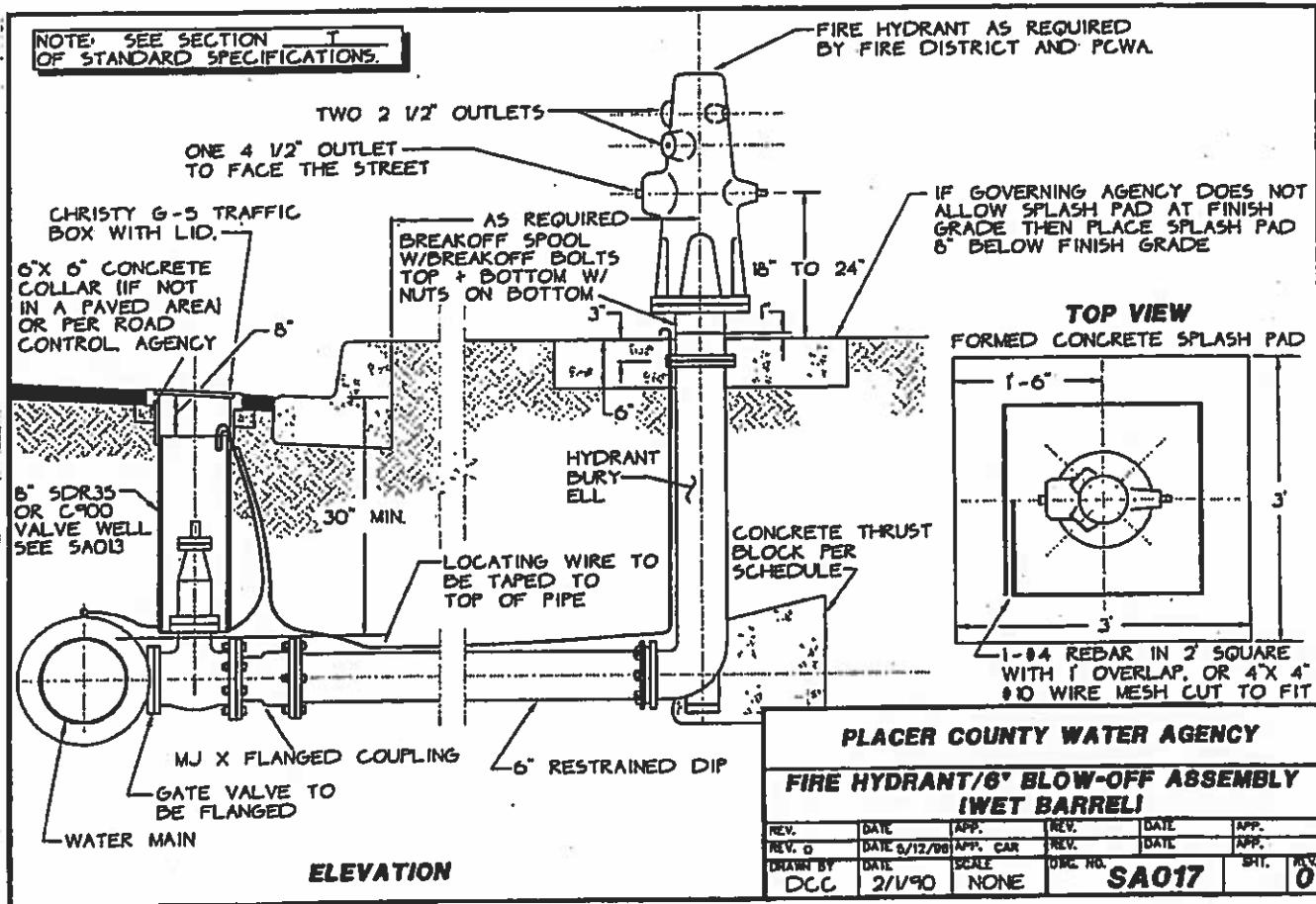
GATED ENTRANCES

- GATE ENTRANCE 2 FEET WIDER THAN WIDTH OF TRAFFIC LANE
- 30 FEET FROM THE ROADWAY, OPEN TO ALLOW A VEHICLE TO STOP WITHOUT OBSTRUCTING TRAFFIC
- CENTER LINE OF LANE TURNING RADIUS TO BE NOT LESS THAN 40'
- PROVIDE FIRE DEPARTMENT APPROVED KEY ACCESS.

Gate Entrances

Fire Code & Fire Safe Standards

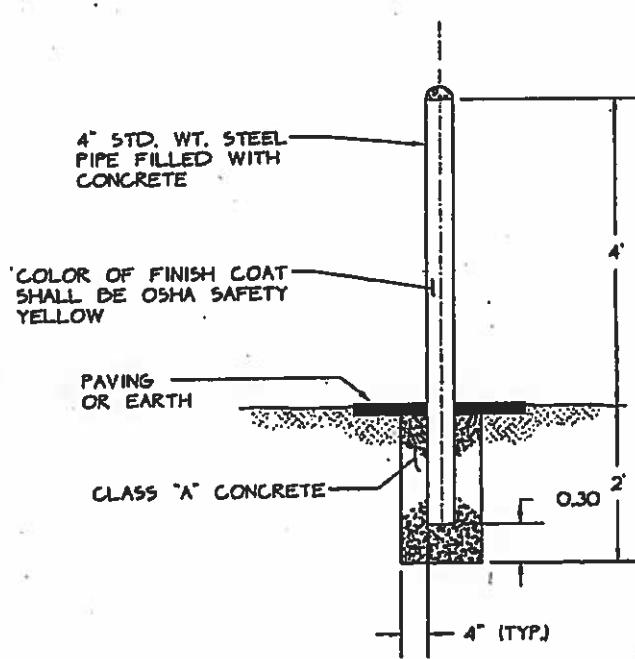
**AUBURN FIRE
DEPARTMENT**



Fire Hydrant Assembly (Wet Barrel)

AUBURN FIRE DEPARTMENT

Placer County Water Agency

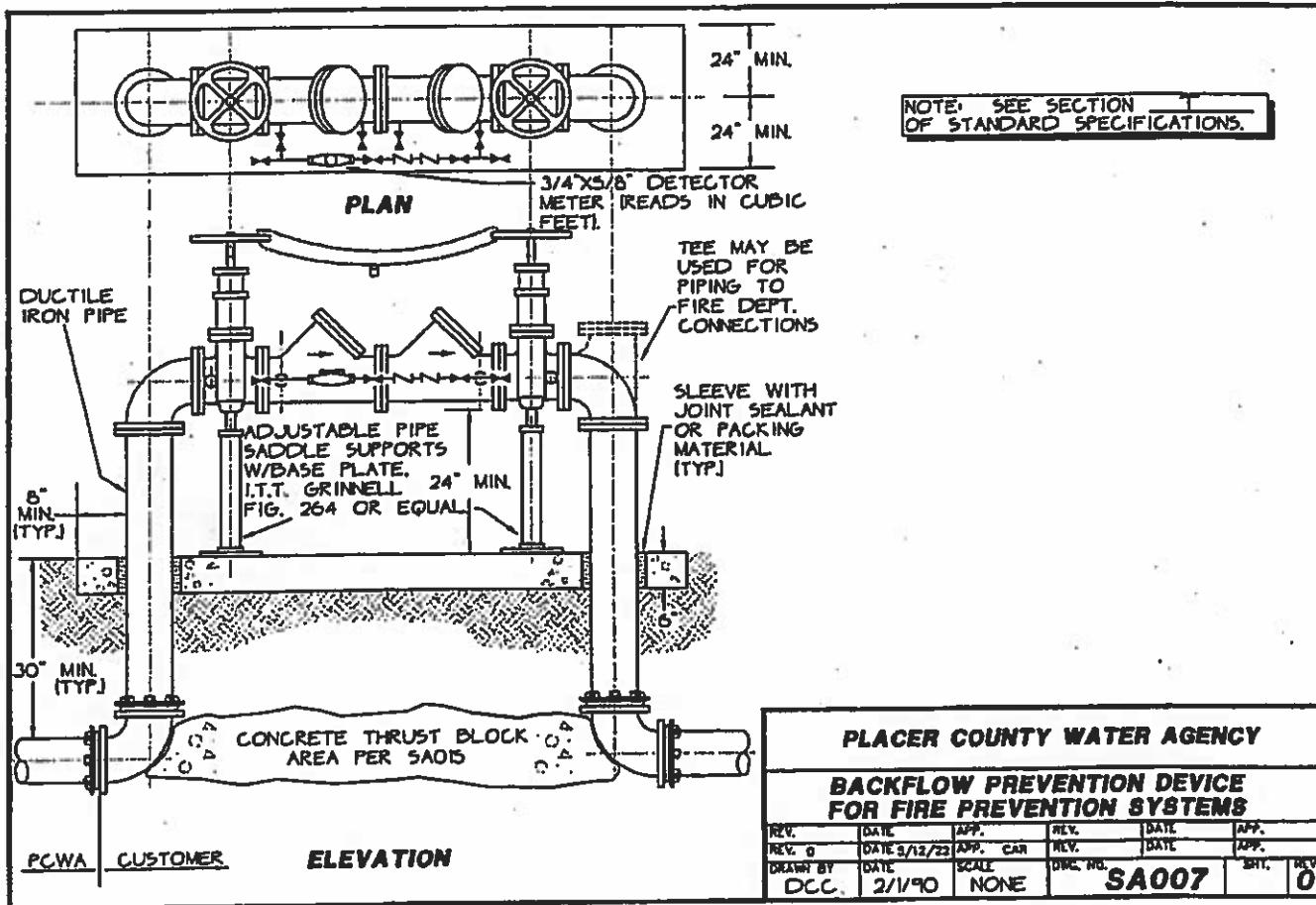


PLACER COUNTY WATER AGENCY					
GUARD POST DETAIL					
REV.	DATE	APP.	REV.	DATE	APP.
REV. 0	DATE 5/12/90	APP. CAR	REV.	DATE	APP.
DRAWN BY DCC	DATE 11/3/93	SCALE NONE	DWG. NO. SA047	SHL.	REV. 0

Guard Post-Ballard

Placer County Water Agency

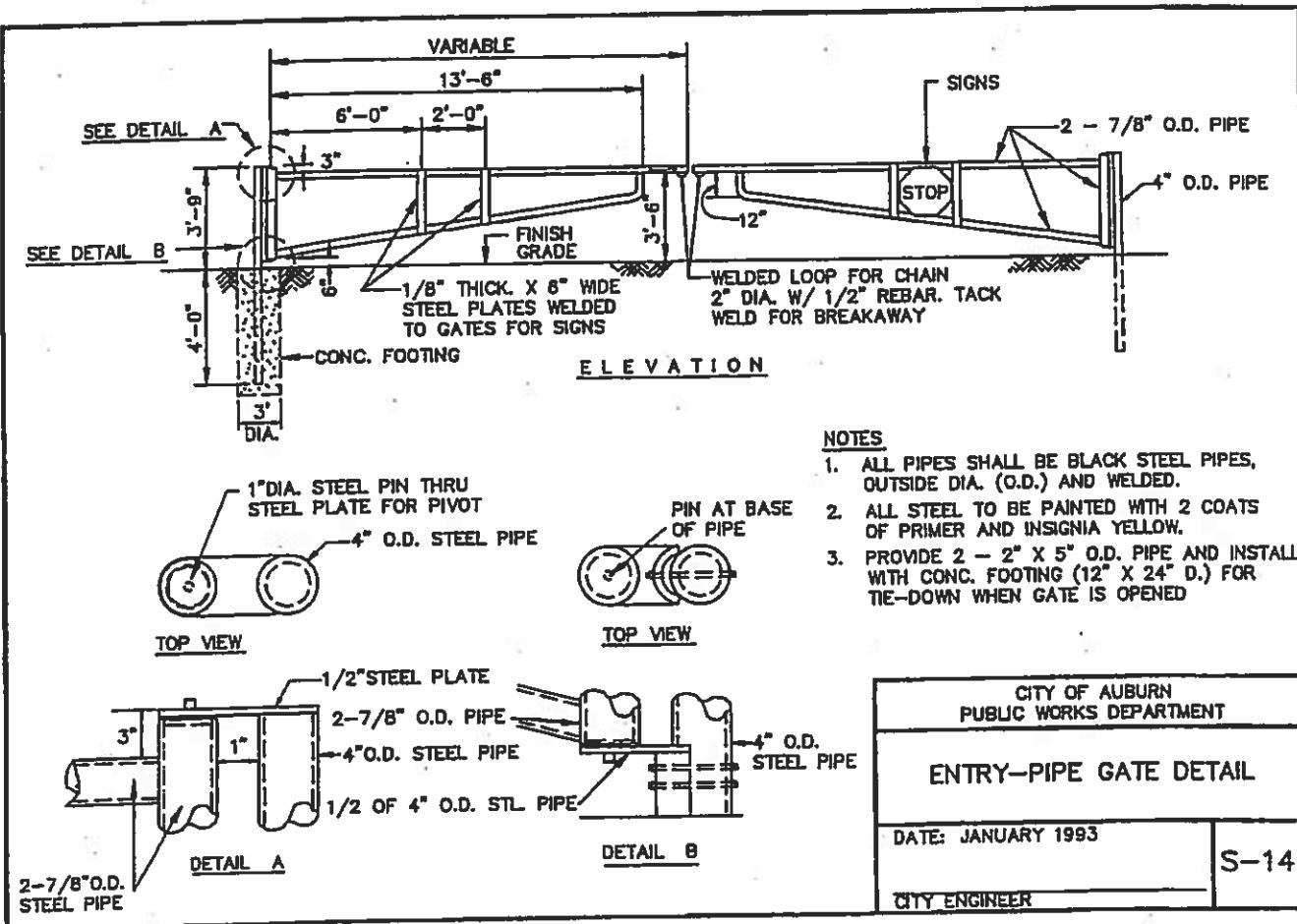
AUBURN FIRE
DEPARTMENT



**Backflow Prevention Device
For Fire Protection Systems**

Placer County Water Agency

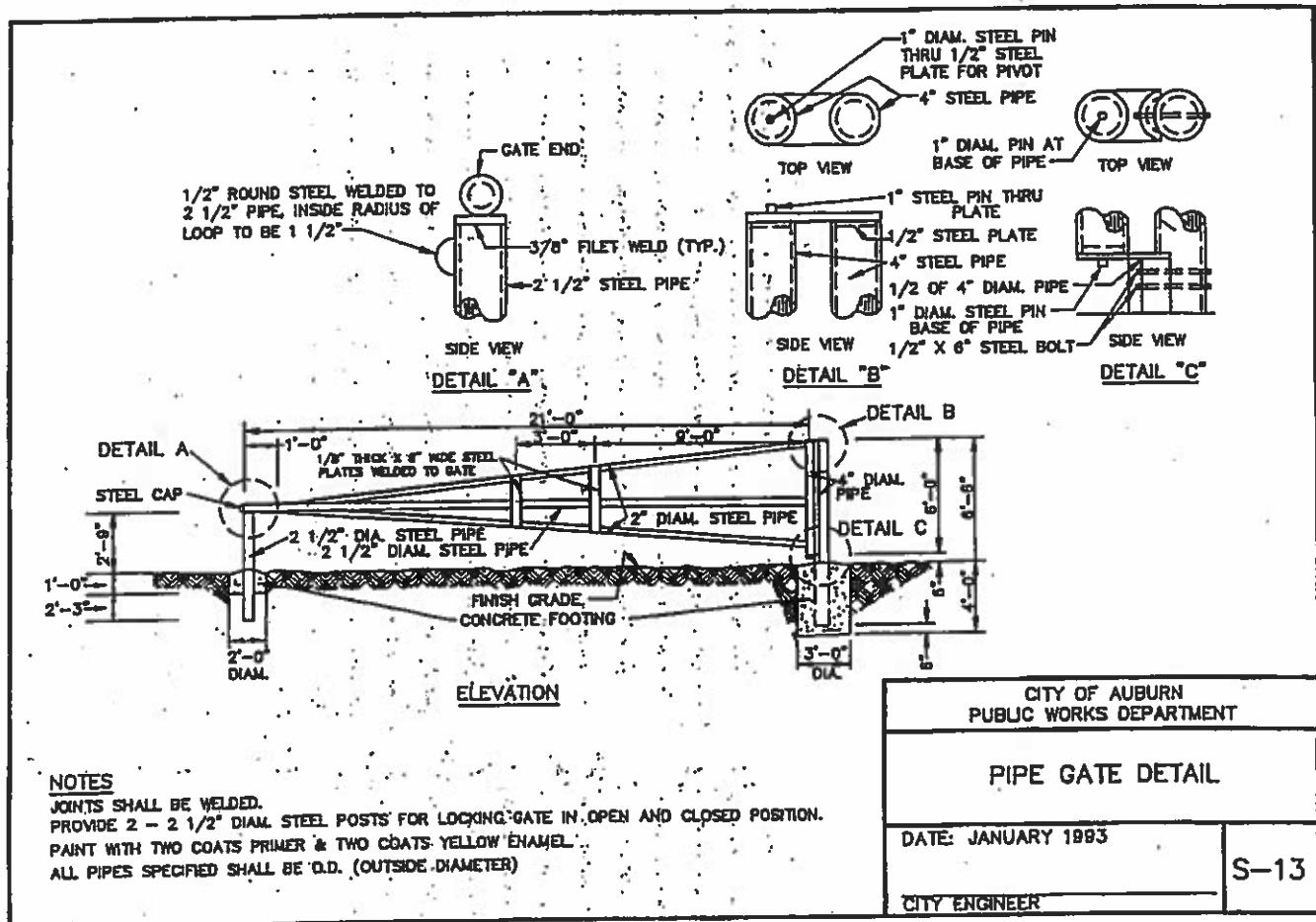
**AUBURN FIRE
DEPARTMENT**



Entry-Pipe Gate, Two Lane

City of Auburn Public Works

AUBURN FIRE
DEPARTMENT



Entry-Pipe Gate, Single Lane/Access

City of Auburn Public Works

**AUBURN FIRE
DEPARTMENT**