Laborers Training School

Laborers Landscape & Irrigation Fitter

Landscape 4: Chain Saw, Retention Walls, Pavers & Dividers Syllabus

Time: 40 hours

Maximum Class Size: 12

Prerequisites: None

Course Description: Participants will learn to operate power tools in this course. Chain Saw safety will be stressed. Header Boards will be introduced including redwood 2” x 4”. Participants learn about various types of retaining walls such as poured-in-place, block, free standing decorative stone, and the associated permits, codes and irrigation planning. Weed barriers for planter areas are also covered in this course. Ample time is allotted for hands-on practice for the student to build competency in building a free-standing decorative stone wall, installing patio pavers, and safely operating a variety of power saws.

Goals/Objectives/Student Learning Outcomes:

- Identify PPE for scopes of work.
- Identify all tools and materials used for scope of work.
- Describe five hazards of chain saw operation and how they can be prevented.
- Identify the kickback zone of the chain saw and list four ways to prevent or reduce this from occurring.
- Demonstrate safe startup, inspection, and operation of a chain saw.
- Demonstrate how to sharpen a chain saw.
- Complete a written exam, with a score of 80% or above, on chain saw safety.
- Identify various types of header and divider materials.
- Install free standing stone retainer walls.
- Identify types of weed barriers for planter areas.
- Install and compact patio pavers.

Standards

- OSHA 29 CFR Part 1926.21 Safety Training & Education
- OSHA 29 CFR Part 1926.28 Personal Protective Equipment
- OSHA 29 CFR Part 1926.52 Occupation Noise Exposure
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- OSHA 29 CFR Part 1926.54 Lasers/Non-ionizing Radiation
- OSHA 29 CFR Part 1926.55 Gases, Vapors, Fumes, Dust, Mist
- OSHA 29 CFR Part 1926.147 Isolation Procedures, Lock Out, Tag Out
- OSHA 29 CFR Part 1926.152 Flammable & Combustible Liquids
- OSHA 29 CFR Part 1926.150 Fire Protection
- OSHA 29 CFR Part 1926.151 Fire Prevention
- OSHA 29 CFR Part 1926.266 Logging Operations
- OSHA 29 CFR Part 1926.300 Subpart I: Hand and Power Tools
- OSHA 29 CFR Part 1926.302 Power Operated Hand Tools
- OSHA 29 CFR Part 1926.602 Material Handling Equipment

Classroom Rules and Procedures

- All classes begin at 6:30 am and end at 3:00 pm
- Upon entering classroom, all participants must sign in and be seated by 6:30 am
- Class will consist of a combination of lecture, video, demonstration, coached group exercises, individual exercises and assessment.
- Students are required to report to class ready to work and maintain the provided PPE

Textbooks/Readings/Materials

- LIUNA: Chainsaw Operation, Maintenance & PPE
- LIUNA: Chain Saw DVD

Tools/Equipment/Other Materials

- Timber (for Chain Saw practice)
- Decorative retaining wall blocks

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- Skid Steer
- Tools and materials for scope of work

Personal Protective Equipment

- 12 pairs of gloves
- 12 pairs of safety glasses
- 20 pairs of ear plugs
- 12 hard hats

Course Requirements

In order to receive credit for the course, participants must:

- Be present for full forty hours
- Participate in all classroom exercises
- Pass a written exam
- Pass a hands-on exam

Course Policies

- Participants must be on-time and ready to work.
- Participants must return from breaks on-time.
- Participants must participate in each exercise and assignment
- Participants who are on “light duty” are not allowed to take this course due to the physically demanding requirements.

Assessment and Grading

Participants will be assessed on the following:

- All written exams must be passed with a score of 80% or above.
- All hands-on exercises are graded on performance and participation. They are pass/fail and must be passed with a score of 80% or above.

Safety

Failure to maintain and use PPE may result in dismissal from the course.