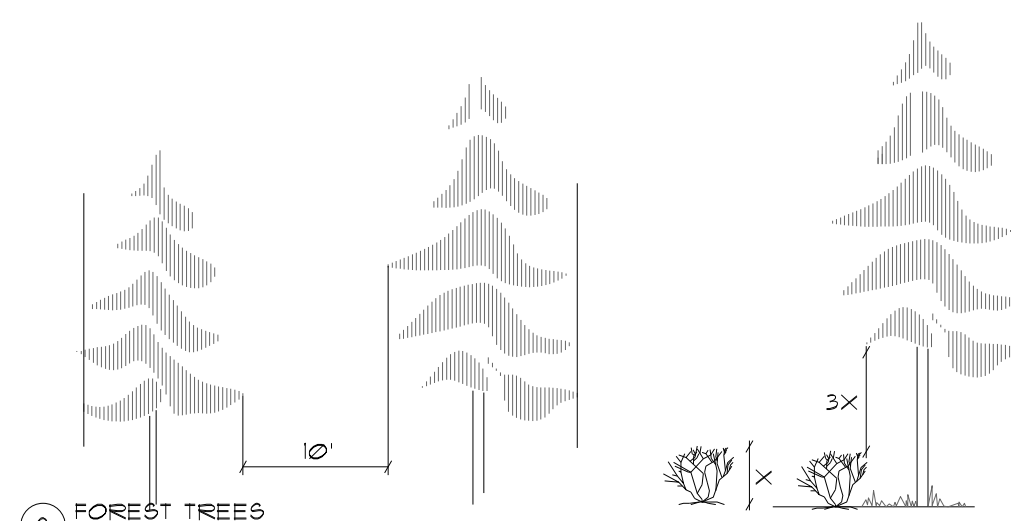


1 SEPARATION BETWEEN TREES & SHRUBS

SAGEBRUSH, MANZANITA, HUCKLEBERRY OAK, AND OTHER SHRUBS ON FLAT TO GENTLY SLOPING TERRAIN, INDIVIDUAL SHRUBS OR SMALL CLUMPS OF SHRUBS WITHIN THE DEFENSIBLE SPACE ZONE SHOULD BE SEPARATED FROM ONE ANOTHER BY AT LEAST TWICE THE HEIGHT OF THE AVERAGE SHRUB. FOR HOMES LOCATED ON STEEPER SLOPES, THE SEPARATION DISTANCE SHOULD BE GREATER.

FOR EXAMPLE, IF THE TYPICAL SHRUB HEIGHT IS 2 FEET, THEN THERE SHOULD BE A SEPARATION BETWEEN SHRUB BRANCHES OF AT LEAST 4 FEET. REMOVE SHRUBS OR PRUNE TO REDUCE THEIR HEIGHT AND/OR DIAMETER.



2 FOREST TREES

ON FLAT OR GENTLY SLOPING TERRAIN, TREES SHOULD BE THINNED TO PROVIDE AN AVERAGE SEPARATION BETWEEN THE CANOPIES OF AT LEAST 10 FEET (TRPA). FOR HOMES LOCATED ON STEEPER SLOPES, THE SEPARATION DISTANCE SHOULD BE GREATER. STUMPS SHOULD BE CUT SLUSH TO THE GROUND FOR TREES LESS THAN 6 INCHES IN DIAMETER AT BREAST HEIGHT, AND TO WITHIN 6 INCHES OF THE GROUND FOR LARGER TREES. THE STUMPS CUT SURFACE SHOULD BE COATED WITH POWDERED BORAX TO RETARD THE SPREAD OF ROOT DISEASES. WHEN SELECTING TREES FOR REMOVAL, CONSIDER CUTTING UNHEALTHY, DAMAGED, OR WEAK TREES. RETAIN LESS COMMON SPECIES OF TREES, SUCH AS INCENSE CEDAR, SUGAR PINE, AND WESTERN JUNIPER IF POSSIBLE.

3 SEPARATION BETWEEN TREE BRANCHES & LOWER GROWING PLANTS

IF TREES ARE PRESENT WITHIN THE DEFENSIBLE SPACE ZONE, THERE SHOULD BE A SEPARATION BETWEEN THE LOWER GROWING VEGETATION AND THE LOWEST TREE BRANCHES. VEGETATION THAT CAN CARRY FIRE BURNING IN LOW GROWING PLANTS TO TALLER PLANTS IS CALLED "LADDER FUEL." FOR LARGE TREES, THE RECOMMENDED SEPARATION FOR LADDER FUELS IS THREE TIMES THE HEIGHT OF THE LOWER VEGETATION LAYER. PRUNE BRANCHES FROM LOWER THIRD OF THE TREE HEIGHT, SHORTEN THE HEIGHT OF THE SHRUBS, OR REMOVE PLANTS. DO NOT REMOVE MORE THAN ONE-THIRD OF THE TOTAL TREE BRANCHES. WHEN THERE IS NO UNDERSTORY VEGETATION PRESENT, REMOVE LOWER TREE BRANCHES TO A HEIGHT OF AT LEAST FIVE FEET ABOVE GROUND. DURING FIRE, THIS WILL HELP PREVENT BURNING NEEDLES AND TWIGS THAT ARE LYING ON THE GROUND FROM IGNITING THE TREE. FOR SHORTER TREES, WHERE THREE TIMES THE HEIGHT OF THE LOWER VEGETATION LAYER EXTENDS BEYOND THE LOWER THIRD OF THE TREE HEIGHT, SHORTEN THE HEIGHT OF THE SHRUBS OR REMOVE PLANTS BELOW THE TREE.



4 GUIDELINES FOR TRIMMING TREES

ALL RESIDUAL TREES WILL BE LIMBED TO A HEIGHT OF 10'-0" FEET FROM GROUND, NOT TO EXCEED 1/3 OF THE TOTAL TREE HEIGHT.

ALL RESIDUAL TREES WILL BE LIMBED TO ACHIEVE 10' FEET OF CLEARANCE FROM ANY PART OF THE HOUSE TO THE BRANCHES OF THE TREE. IF THIS WOULD REQUIRE REMOVAL OF THE CROWN EXCEEDING THE LOWER 1/3 OF THE TREE, THEN THE ENTIRE SHEET SHOULD BE REMOVED.

TRIM ALL LOW HANGING LIMBS SO THAT NONE ARE LOWER THAN 10' OF THE GROUND.

ZONE 1: 0-5' NONCOMBUSTABLE AREA

CREATE A NONCOMBUSTABLE AREA AT LEAST 5 FEET WIDE AROUND THE BASE OF THE STRUCTURE (INCLUDING ALL DECKS). THIS AREA NEEDS TO HAVE A VERY LOW POTENTIAL FOR IGNITION FROM FLYING EMBERS. USE IRRIGATED HERBACEOUS PLANTS SUCH AS LAWN, GROUND COVER, AND FLOWERS THAT ARE RECOMMENDED FOR THE LAKE TAHOE BASIN, ROCK MULCHES, OR HARD SURFACES, SUCH AS BRICK AND PAVERS, IN THIS AREA.

1. THE AREA WITHIN 0-5' OF THE FOUNDATION OR SUPPORT POSTS SHOULD CONTAIN NO COMBUSTABLE MATERIALS, INCLUDING COMBUSTIBLE PLANT MATERIAL. A 2" GRAVEL MOAT IS THE PREFERRED MATERIAL OF USE. DRIP LINES MAY BE INCORPORATED INTO THIS AREA.
2. REMOVE ALL PINE NEEDLES AND FOREST DUFF WITHIN THIS AREA.

ZONE 2: 5-30' LEAN, CLEAN AND GREEN AREA

FOR A DISTANCE OF 5 FEET TO 30 FEET FROM THE STRUCTURE, THERE SHOULD BE A LEAN, CLEAN, AND GREEN AREA. "LEAN" INDICATES THAT ONLY A SMALL AMOUNT OF FLAMMABLE VEGETATION, IF ANY, IS PRESENT WITHIN 50 FEET OF THE STRUCTURE. "CLEAN" MEANS THERE IS LITTLE OR NO ACCUMULATION OF DEAD VEGETATION OR FLAMMABLE DEBRIS WITHIN THE AREA DURING FIRE SEASON. "GREEN" IMPLIES THAT PLANTS LOCATED WITHIN THIS AREA ARE KEPT HEALTHY, GREEN AND IRRIGATED DURING FIRE SEASON.

1. TRIM ALL TREES OVER 20 FEET A MINIMUM OF 10 FEET ABOVE ADJACENT GRADE.
2. REMOVE ANY TREE 14 INCHES DIAMETER OR LESS (AS INDICATED ON DRAWINGS) TO CREATE A 10 FOOT SPACE BETWEEN ANY ADJACENT TREE CANOPY. REFER TO DETAIL 2.
3. REMOVE ACCUMULATION OF DEAD VEGETATION FROM TREES (FLAMMABLE DEBRIS, DEAD BRANCHES AND LIMBS) 10 FEET ABOVE ADJACENT GRADE.
4. WITHIN 5-30' OF THE STRUCTURE ONLY SINGLE SPECIMENS OF WELL MAINTAINED AND WELL IRRIGATED SHRUBS OR TREES SHOULD BE PRESENT. SUCH MATERIALS SHOULD NOT BE CAPABLE OF READILY TRANSMITTING FIRE TO THE STRUCTURE. COMBUSTIBLE MULCHES OR PINE NEEDLES SHOULD NOT BE USED AS GROUND COVER WITHIN THIS ZONE.
5. ALL BRUSH, TREES OR FLAMMABLE MATERIAL WILL BE REMOVED FROM UNDER THE DRIP LINE OF RESIDENTIAL TREES OF THE TREE GROUP.
6. REMOVE ALL PINE NEEDLES AND FOREST DUFF WITHIN THIS AREA.

ZONE 3: 30-100' WILDLAND FUEL REDUCTION AREA

THE WILDLAND FUEL REDUCTION AREA LIES BEYOND THE LEAN, GREEN AREA AND OFTEN CONSISTS OF NATURALLY OCCURRING PLANTS (PINE TREES, MANZANITA, SAGEBRUSH, ETC) WITHIN THIS AREA. REMOVE DEAD VEGETATION, INCLUDING DEAD SHRUBS, DRIED GRASS, FALLEN BRANCHES, THICK ACCUMULATION OF NEEDLES AND LEAVES ETC. THIN, DENSE STANDS OF SHRUBS AND TREES TO CREATE A SEPARATION BETWEEN THEM. REMOVING TREES MORE THAN 14" IN DIAMETER REQUIRES A PERMIT FROM THE TAHOE REGIONAL PLANNING AGENCY (TRPA) OR YOUR LOCAL FIRE PROFESSIONAL.

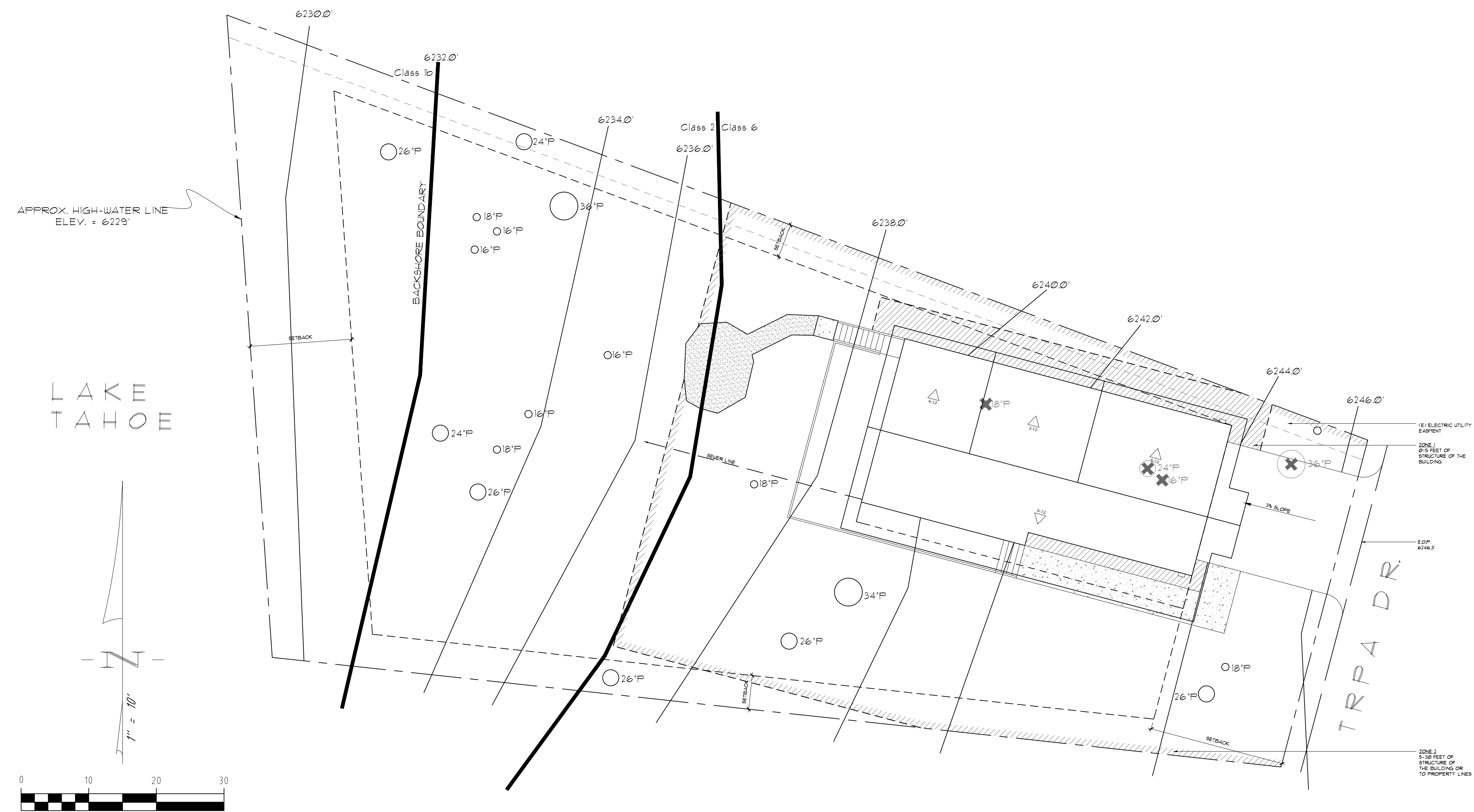
1. TREE CANOPIES WILL BE SPACED AT LEAST 10 FEET APART. IF TREES ARE GROUPED CLOSE ENOUGH TOGETHER AS TO ACT AS ONE UNIT, THEN ALL OTHER REQUIREMENTS MUST BE MET. REFER TO DETAIL 2.
2. BEYOND 30 FEET FROM THE STRUCTURE, BRUSH FIELDS MUST BE SPACED TO A DISTANCE EQUAL OR GREATER THAN TWO (2) TIMES THE HEIGHT OF THE BRUSH. INDIVIDUAL BRUSH PLANTS WILL NOT EXCEED 100 SQUARE FEET. REFER TO DETAIL 1.
3. PINE NEEDLES ARE ACCEPTABLE WITHIN ZONE 3 AS LONG AS THEY ARE NO THICKER THAN 2 OR 3 INCHES.

TRPA REVEGETATION NOTES:

1. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE REVEGETATED IN ACCORDANCE WITH THE ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE REVEGETATED IN ACCORDANCE WITH THE TRPA 'HANDBOOK OF BEST MANAGEMENT PRACTICES' AND 'LIVING WITH FIRE' LAKE TAHOE BASIN SECOND EDITION.
2. FERTILIZER USE SHALL BE IN ACCORDANCE WITH THE FERTILIZER MANAGEMENT STANDARDS IN TRPA CODE 6018.
3. ALL VEGETATION SHALL BE CONSISTENT WITH THE REQUIREMENTS OF THE TRPA CODE OF ORDINANCES, INCLUDING THE SPECIFICATION FOR SIZING AND SPECIES TYPE. PLANT SPECIES ON THE TRPA RECOMMENDED NATIVE AND ADAPTED PLANT LIST SHALL BE USED FOR LANDSCAPING AND REVEGETATION PER TRPA CODE OF ORDINANCES.
4. REMOVAL OF TREES 14" DIAMETER AT BREAST HEIGHT OR GREATER REQUIRE TRPA APPROVAL. REMOVAL OF TREES GREATER THAN 6" DBH ON LAKEFRONT PARCELS THAT ARE BETWEEN A STRUCTURE AND THE LAKE REQUIRE TRPA APPROVAL. ANY TREES THAT ARE REQUIRED TO BE PLANTED OR RETAINED AS PART OF A PERMIT, OR THAT ARE LOCATED IN A STREAM ENVIRONMENT ZONE OR BACKSHORE AREA, CANNOT BE REMOVED WITHOUT TRPA APPROVAL.
5. TREE ROOTS MUST BE PROTECTED DURING EXCAVATION TO PREVENT DAMAGE TO THE TREE. THE FOLLOWING PRACTICES ARE RECOMMENDED:
 - A. TREE ROOTS FOUR INCHES IN DIAMETER OR GREATER SHALL NOT BE SEVERED, IF AVOIDABLE, HAND DIG AROUND ROOTS IF NECESSARY.
 - B. IF ROOTS CANNOT BE AVOIDED, CUT AS FAR AWAY FROM THE TRUNK AS POSSIBLE.
 - C. A CLEAN, VERTICAL CUT WILL PROVIDE MORE PROTECTION FOR THE TREE THAN LEAVING ROOTS TORN OR CRUSHED.
 - D. CONSTRUCTION MATERIALS SHALL NOT BE STORED WITHIN THE DRIFLINE OF THE TREE.
6. THE TREES ON THIS PARCEL SHALL BE CONSIDERED AS SCENIC MITIGATION AND SHALL NOT BE REMOVED OR TRIMMED FOR PURPOSES OF VIEW ENHANCEMENT. ANY SUCH REMOVAL OR TRIMMING SHALL CONSTITUTE A VIOLATION OF PROJECT APPROVAL.
7. REMOVAL OF ANY ADDITIONAL TREES ON THE LAKESIDE OF THE PROPERTY MAY TRIGGER THE REQUIREMENT FOR A REVISED SCENIC ANALYSIS.

NOTE*: IF THERE IS A NEED TO REMOVE ADDITIONAL TREES NOT INDICATED ON THIS PLAN THE PROPERTY OWNER IS TO CONTACT THEIR LOCAL FIRE AGENCY. ANY AND ALL TREES BETWEEN THE LAKE AND THE BUILDING(S) OR STRUCTURE(S) TO BE REMOVED SHALL BE REVIEWED BY TRPA FOR SCENIC IMPACTS.

FOR SLOPED PROPERTIES, USE THE FOLLOWING STANDARDS FOR THE ABOVE REQUIREMENTS:		
TREES	SLOPE	SPACING
	0-20%	10 FEET BETWEEN EDGES OF CROWNS
	20-40%	20 FEET BETWEEN EDGES OF CROWNS
	40%-UP	30 FEET BETWEEN EDGES OF CROWNS
BRUSH	SLOPE	SPACING
	0-20%	2 X HEIGHT OF RESIDUAL BRUSH
	20-40%	4 X HEIGHT OF RESIDUAL BRUSH
	40%-UP	6 X HEIGHT OF RESIDUAL BRUSH



DEFENSIBLE SPACE PLAN
SCALE: 1" = 10'-0"



DESIGNER LOGO

TITLE:

SITE PLAN
- DEFENSIBLE SPACE -

PROJECT:

Project For:
TRPA RESIDENCE
PO BOX 5310
STATELINE, NV 89449
APN: 0000-00-000-001

DATE:

- 9/22/17 TRPA SUBMITTAL
- 10/17/17 TRPA SUBMITTAL
- 10/30/17 TRPA REVISION 1
- 11/10/17 TRPA ACKNOWLEDGMENT

DRAWN BY:

DATE PREPARED:

SCALE: AS NOTED

DRAWING No:

C4