



FENCING/ROOT PROTECTION

1. PAINT OR STAKE FENCE ALIGNMENT OUTSIDE ZONE B FOR APPROVAL BY THE OWNER BEFORE INSTALLATION.
2. TREE PROTECTION FENCE SHALL BE PROVIDED AND MAINTAINED AS SHOWN ON THE PLANS.
3. OWNER'S APPROVAL IS REQUIRED FOR USE/ACCESS WITHIN ZONE B. PERMISSION FOR USE/ACCESS REQUIRES SURFACE PROTECTION FOR ALL UNFENCED, UNPAVED SURFACES WITHIN ZONE B\*.

\* SURFACE PROTECTION MEASURES

1. MULCH LAYER, 6"-8" DEPTH
2. 3/4" PLYWOOD
3. STEEL PLATES

TRENCHING/EXCAVATION

ZONE A (CRITICAL ROOT ZONE)

1. MEASURED: 7 X's THE ROOT FLARE DIAMETER (RFD)
2. NO DISTURBANCE ALLOWED WITHOUT SITE-SPECIFIC OWNER'S INSPECTION AND APPROVAL OF METHODS TO MINIMIZE ROOT DAMAGE
3. SEVERANCE OF ROOTS LARGER THAN 2" DIA REQUIRES OWNER'S APPROVAL
4. IF TREE ROOTS 2" IN DIAMETER OR MORE WILL BE CUT, SCORED, OR GOUGED BY CONTRACT DIGGING, THE CONTRACTOR SHALL CONTACT THE OWNER ABOUT ALTERNATIVE GRADING, DEEPER EXCAVATION, OR TUNNELING. THE OWNER MAY CONSULT WITH A CERTIFIED ARBORIST IN THIS INSTANCE.

ZONE B (TREE PROTECTION ZONE)

1. MEASURED: 25 X's DBH (DIAMETER BREAST HEIGHT)
2. OPERATION OF HEAVY EQUIPMENT AND/OR STOCKPILING OF MATERIALS SUBJECT TO ENGINEERS APPROVAL IN ADVANCE.
3. SURFACE PROTECTION\* MEASURES AREA REQUIRED
3. THE OWNER MAY ALLOW TRENCHING AS FOLLOWS:
  - EXCAVATION BY HAND OR WITH HAND-DRIVEN TRENCHER MAY BE REQUIRED. OTHER EQUIPMENT MAY BE USED AS APPROVED IN ADVANCE BY THE OWNER.
  - LIMIT TRENCH WIDTH. DO NOT DISTURB ZONE A
4. MAINTAIN 2/3 OR MORE OF ZONE B IN UNDISTURBED CONDITION
5. TUNNELING IS REQUIRED WHEN INSTALLING UTILITY LINES 3'-0" OR BELOW AND WHERE TREE ROOTS OVER 2" DIAMETER WILL BE OTHERWISE CUT, SCORED, OR GOUGED BY DIGGING.
6. IF TREE ROOTS 2" IN DIAMETER OR MORE WILL BE CUT, SCORED, OR GOUGED BY CONTRACT DIGGING, THE CONTRACTOR SHALL CONTACT THE OWNER ABOUT ALTERNATIVE GRADING, DEEPER EXCAVATION, OR TUNNELING. THE OWNER MAY CONSULT WITH A CERTIFIED ARBORIST IN THIS INSTANCE.

DAMAGED OR DESTROYED PLANT REPLACEMENT

1. SEE SECTION 02231 OF THE SPECIFICATIONS

PARKS AND RECREATION  
 DESIGN AND DEVELOPMENT  
 DECEMBER 5, 2011

CITY OF BELLINGHAM  
 TREE PROTECTION DETAIL  
 SCALE: NTS

DRAWING  
 02950.07