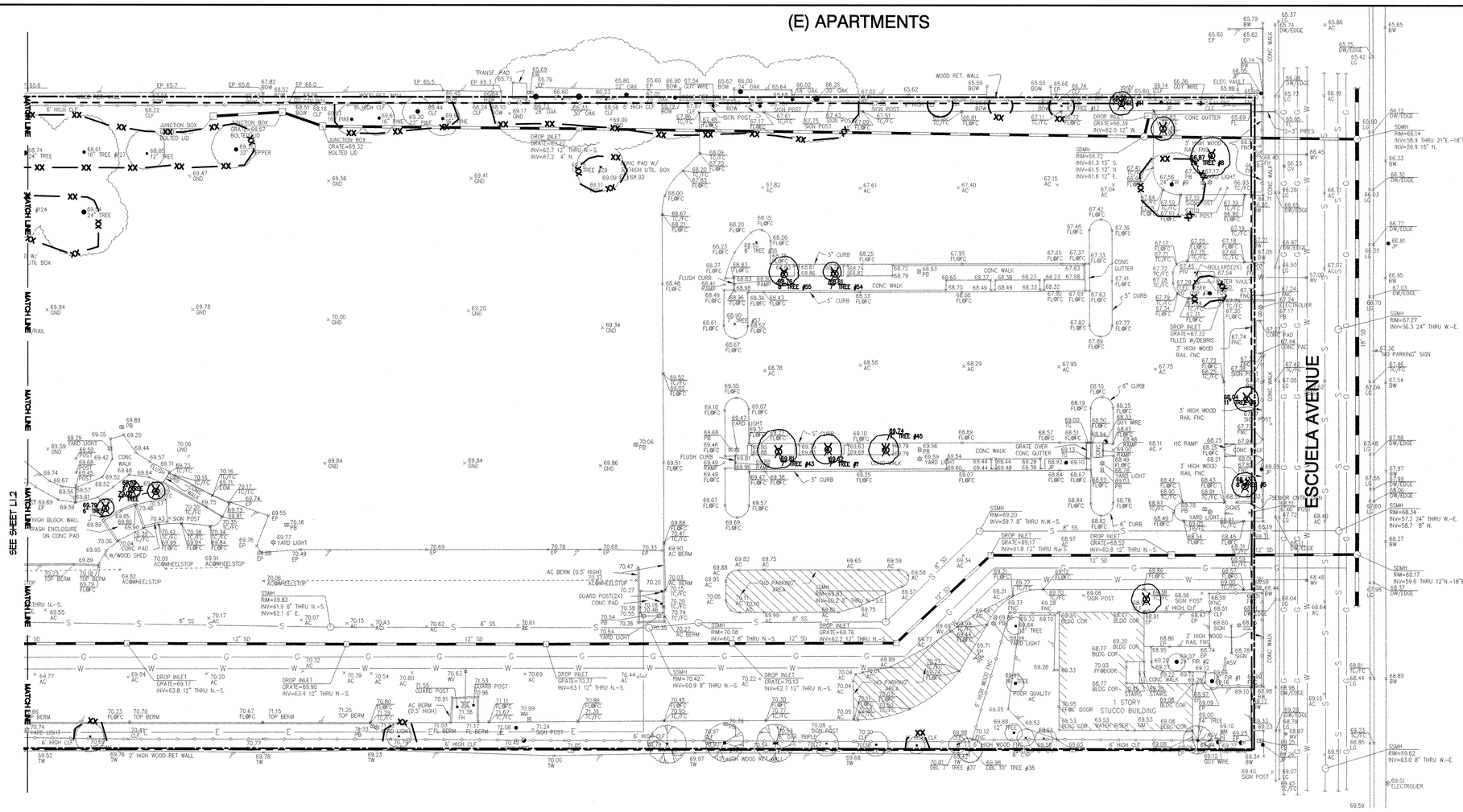
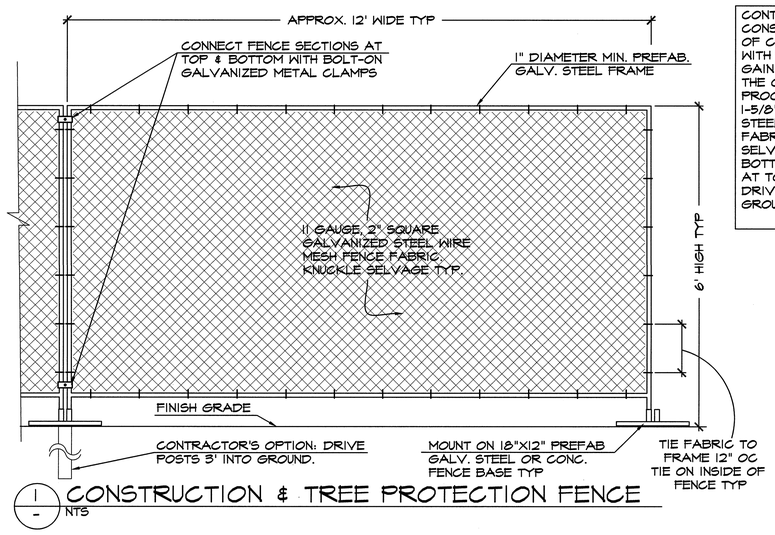


LEGEND

- LIMIT OF WORK LINE
- XX — APPROXIMATE LOCATION TEMPORARY TREE PROTECTION FENCE SEE EXISTING TREE PROTECTION NOTES BELOW COORDINATE PHASING OF FENCING W/ OWNER (1/-)
- EXISTING TREE TO REMAIN PROTECT FROM DAMAGE PER EXISTING TREE PROTECTION NOTES SHT L1.2
- REMOVE TREE AND ROOTS COMPLETE

NOTES:

1. SEE SHEET L1.2 FOR EXISTING TREE PROTECTION NOTES AND GUIDELINES
2. FOR ADDITIONAL EXISTING TREE INFORMATION REFER TO "AN EVALUATION OF THE TREES AT THE MOUNTAIN VIEW SENIOR CENTER" AND EVALUATION OF ELEVEN TREES, BY MICHAEL L. BENCH ASSOCIATE, BARRIE D. COATE AND ASSOCIATES. 25535 SUMMIT ROAD LOS GATOS, CA 95033, 408 355-1052
3. EXISTING TREE LOCATIONS BASED ON "AN EVALUATION OF THE TREES AT THE MOUNTAIN VIEW SENIOR CENTER" AVAILABLE FROM THE OWNER'S REPRESENTATIVE. (SEE ABOVE).
4. BACKFILL AND COMPACT TO ORIGINAL GRADES ALL HOLES AND TRENCHES CREATED BY THE DEMOLITION WORK
5. SEE CIVIL'S DEMOLITION PLAN SHEET C1.1 FOR DEMOLITION AND PROTECTION OF EXISTING UTILITIES, CURBS AND VEHICULAR PAVING.
6. MAINTAIN EXISTING UTILITIES WHERE NOTED; RELOCATE AS NECESSARY ALL WIRES, VALVES, PIPES, ETC., TO MAINTAIN FUNCTION.
7. PRIOR TO COMMENCING TREE WORK, CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE IN WRITING ALLOWING 5 WORKING DAYS FOR THE CITY TO HIRE A CERTIFIED ARBORIST TO REVIEW AND APPROVE WORK.
8. CONTRACTOR SHALL MARK ALL TREES TO BE REMOVED AND REVIEW WITH PRIOR TO REMOVAL.



CONTRACTORS OPTION: CONSTRUCT FENCE OUT OF CONTINUOUS FABRIC WITH POSTS IN GROUND. GAIN ACCEPTANCE OF THE OWNER PRIOR TO PROCEEDING. USE 1-5/8" DIAM. GALV. STEEL POSTS, 11 GAUGE FABRIC WITH KNUCKLED SELVAGE TOP & BOTTOM, TENSION WIRE AT TOP OF FABRIC, DRIVE POSTS 3' INTO GROUND.

(1/-) CONSTRUCTION & TREE PROTECTION FENCE
NTS

TRUE NORTH
PLAN NORTH

0 20 40 60
1"= 20'

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REGISTERED LANDSCAPE ARCHITECT
VIVIAN LI
04/18/05
STATE OF CALIFORNIA

MOUNTAIN VIEW SENIOR CENTER

266 ESCUELA AVE
MOUNTAIN VIEW, CA

DATE: 18 APRIL 2005

CONSTRUCTION SET

SHEET TITLE:

TREE PRESERVATION PLAN

DRAWN BY: PCD
CHECKED BY: VL
JOB NO: BSA 02-03

SHEET L1.1

09-23-04 L1.1- TREE PRESERV PLAN

EXISTING TREE PROTECTION NOTES & GUIDELINES:

PRE-CONSTRUCTION REQUIREMENTS

1. NO VEGETATION REMOVAL OR PRUNING SHALL TAKE PLACE PRIOR TO THE APPROVAL OF VEGETATION PRESERVATION AND RESTORATION PLAN.

2. STAKE THE EDGE OF EXCAVATING WHEN GRADING OR CONSTRUCTION WILL OCCUR WITHIN 20-FEET OF EXISTING VEGETATION TO FACILITATE ACCURATE ESTIMATIONS OF IMPACTS AND DEVELOPMENT OF APPROPRIATE MITIGATIONS.

3. PRIOR TO GRADING, PRUNE BY HAND ALL EXISTING VEGETATION ROOTS 2" OR GREATER AT THE EXTENT OF EXCAVATION. THIS WILL ALLOW EQUIPMENT TO REMOVE SOIL WITHOUT RIPPING OR SHATTERING ROOTS WITHIN THE PROTECTED ROOT ZONE. ROOTS CAN BE EXCISED WITH APPROPRIATE ROOT PRUNING EQUIPMENT, OR BY HAND EXCAVATING AND CUTTING WITH A SAW.

4. INSTALL TEMPORARY 6-FOOT CHAIN LINK FENCING AT THE DRIPLINE TO DEFINE THE PROTECTIVE ZONE RADIUS (PZR) AS DIRECTED BY THE LANDSCAPE ARCHITECT, TO PROTECT THE TRUNK, LOWER LIMBS AND SURFACE ROOTS FROM INJURY DURING CONSTRUCTION. THE FENCES MUST BE INSTALLED PRIOR TO DEMOLITION AND/OR GRADING AND REMAIN UNTIL CONSTRUCTION IS COMPLETE. NO STORAGE OF EQUIPMENT, MATERIALS, SPOILS OR OTHER ITEMS SHALL BE PERMITTED BENEATH THE DRIPLINES OF VEGETATION.

5. INSTALL SIGNS ON EACH TEMPORARY FENCE AT LEAST TWO EQUIDISTANT LOCATIONS AND CLEARLY VISIBLE FROM WHERE CONSTRUCTION ACTIVITY WILL OCCUR. PROVIDE SIGNS THAT ARE A MINIMUM OF TWO FEET IN ONE DIRECTION AND CONTAIN THE FOLLOWING LANGUAGE:

WARNING THIS TREE PROTECTION FENCE SHALL NOT BE REMOVED OR RELOCATED WITHOUT WRITTEN AUTHORIZATION FROM THE LANDSCAPE ARCHITECT OR ARBORIST

6. MAINTAIN THE TEMPORARY FENCING IN A NEAT AND ORDERLY CONDITION FOR THE ENTIRE CONSTRUCTION PERIOD. REMOVE THE FENCE AFTER OBTAINING WRITTEN AUTHORIZATION FROM THE LANDSCAPE ARCHITECT. THE FENCING MAY BE TEMPORARILY REMOVED FOR TEMPORARY CONSTRUCTION ACCESS IF REQUIRED AND REPLACED FENCE AFTER OBTAINING WRITTEN AUTHORIZATION FROM THE LANDSCAPE ARCHITECT.

7. PRUNING OF EXISTING VEGETATION TO BE RETAINED WILL ONLY BE ALLOWED TO CLEAR THE CROWN OF DISEASED, CROSSING, WEAK AND DEAD WOOD, AND TO PROVIDE ADEQUATE CLEARANCE FOR CONSTRUCTION. PRIOR TO PRUNING, CONTRACTOR SHALL OBTAIN APPROVAL FROM OWNER'S ARBORIST.

CONSTRUCTION REQUIREMENTS

1. IN GENERAL, GRADING AROUND VEGETATION SHALL BE PROHIBITED WITHIN THE DRIPLINE. UNDER SPECIAL CIRCUMSTANCES, LIMITED GRADING SHALL BE PERMITTED WITHIN SMALL PORTIONS OF THE AREA WITHIN THE DRIPLINE AS LONG AS THE NATURAL GRADE WITHIN A MINIMUM OF 15-FEET FROM THE TRUNK IS PRESERVED. OBTAIN SPECIFIC INSTRUCTION FROM THE LANDSCAPE ARCHITECT FOR PRUNING OF TREES, OR DISTURBANCE OF SOIL WITHIN THE PROTECTIVE ZONE RADIUS AND FOR REMOVAL OF ROOTS.

2. MAINTAIN A 5-FOOT AREA AROUND THE BASE OF THE EXISTING TREES FREE FROM NEW LANDSCAPE PLANTINGS OR IRRIGATION. ADJUST NEW IRRIGATION SYSTEMS SO THAT NEITHER THE TRUNKS NOR THE SOIL WITHIN 5-FEET AREA OF THE TRUNK IS WETTED DURING OPERATION. PLACE IRRIGATION LINES SO THAT EXCAVATION WITHIN THE DRIPLINE IS MINIMAL, PARTICULARLY FOR VEGETATION THAT IS HEAVILY IMPACTED. IRRIGATION LINES CAN BE TUNNELED UNDER VEGETATION ROOTS IF NEEDED.

3. DO NOT TRENCH WITHIN THE PROTECTIVE ZONE RADIUS OF TREES UNLESS IT IS STATED ON THE DRAWINGS "TRENCHING UNDER THIS TREE IS ACCEPTABLE".

4. REFER TO ADDITIONAL REQUIREMENTS ON THE DRAWINGS.

5. ALL TRENCHING WITHIN THE PRZ SHALL BE DONE BY HAND.

MAINTENANCE DURING CONSTRUCTION

1. ROOT-INJURED VEGETATION HAS A LIMITED CAPACITY TO ABSORB WATER. THEREFORE, IT IS IMPORTANT TO INSURE ADEQUATE SOIL MOISTURE IN THE AREA OF ACTIVE ROOTS. BETWEEN THE MONTHS MAY AND OCTOBER, IRRIGATE EACH PRESERVED VEGETATION ONCE A MONTH. IRRIGATION SHOULD WET THE TOP 2-3 FEET OF SOIL IN AN AREA 5-FEET FROM THE TRUNK TO 15-FEET BEYOND THE DRIPLINE (OR LIMITS OF EXCAVATION).

2. IF INJURY SHOULD OCCUR TO ANY EXISTING VEGETATION DURING CONSTRUCTION, IT SHALL BE EVALUATED AS SOON AS POSSIBLE BY OWNER'S ARBORIST SO THAT APPROPRIATE TREATMENTS CAN BE APPLIED. THE OWNER'S REPRESENTATIVE SHALL BE IMMEDIATELY NOTIFIED AS WELL. HAVE A CERTIFIED ARBORIST IMMEDIATELY TREAT ANY EXPOSED OR CUT TREE ROOTS OVER ONE INCH IN DIAMETER.

3. DO NOT APPLY ANY CHEMICAL HERBICIDES WITHIN THE PROTECTIVE ROOT ZONE OR WITHIN THE AREA IMMEDIATELY OUTSIDE THE PROTECTIVE ROOT ZONE FOR A DISTANCE EQUAL TO ONE-HALF THE PROTECTIVE ROOT ZONE.

4. ANY GRADING, CONSTRUCTION, DEMOLITION, OR OTHER WORK THAT IS EXPECTED TO ENCOUNTER VEGETATION ROOTS SHOULD BE MONITORED BY OWNER'S ARBORIST AND THE ROOTS PROPERLY TREATED.

5. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING HEALTH OF ALL EXISTING TREES TO REMAIN INCLUDING MAINTAINING IRRIGATION CONSISTENT WITH PRE-CONSTRUCTION SOIL MOISTURE (NO OVER OR UNDERWATERING). CONTRACTOR IS REQUIRED TO PERFORM MONTHLY INSPECTIONS OF EXISTING TREES TO MONITOR FOR TREE HEALTH AND STRUCTURAL STABILITY. NOTIFY OWNER'S REPRESENTATIVE OF ANY PEST PROBLEMS OR POTENTIAL SAFETY HAZARDS, AND FOLLOW OWNER'S ARBORIST RECOMMENDATIONS AS REQUIRED.

SOIL PREPARATION

1. IF THE AREA WAS PAVED, ALL REMAINING PAVEMENT AND BASE MATERIAL SHALL BE REMOVED DOWN TO THE ORIGINAL SUB-GRADE. WHEN NATIVE SOIL IS MIXED WITH THE BASE MATERIAL, SUFFICIENT MATERIAL SHALL BE REMOVED TO ENSURE THAT ALL GRAVEL, ASPHALT AND SIMILAR MATERIALS ARE REMOVED.

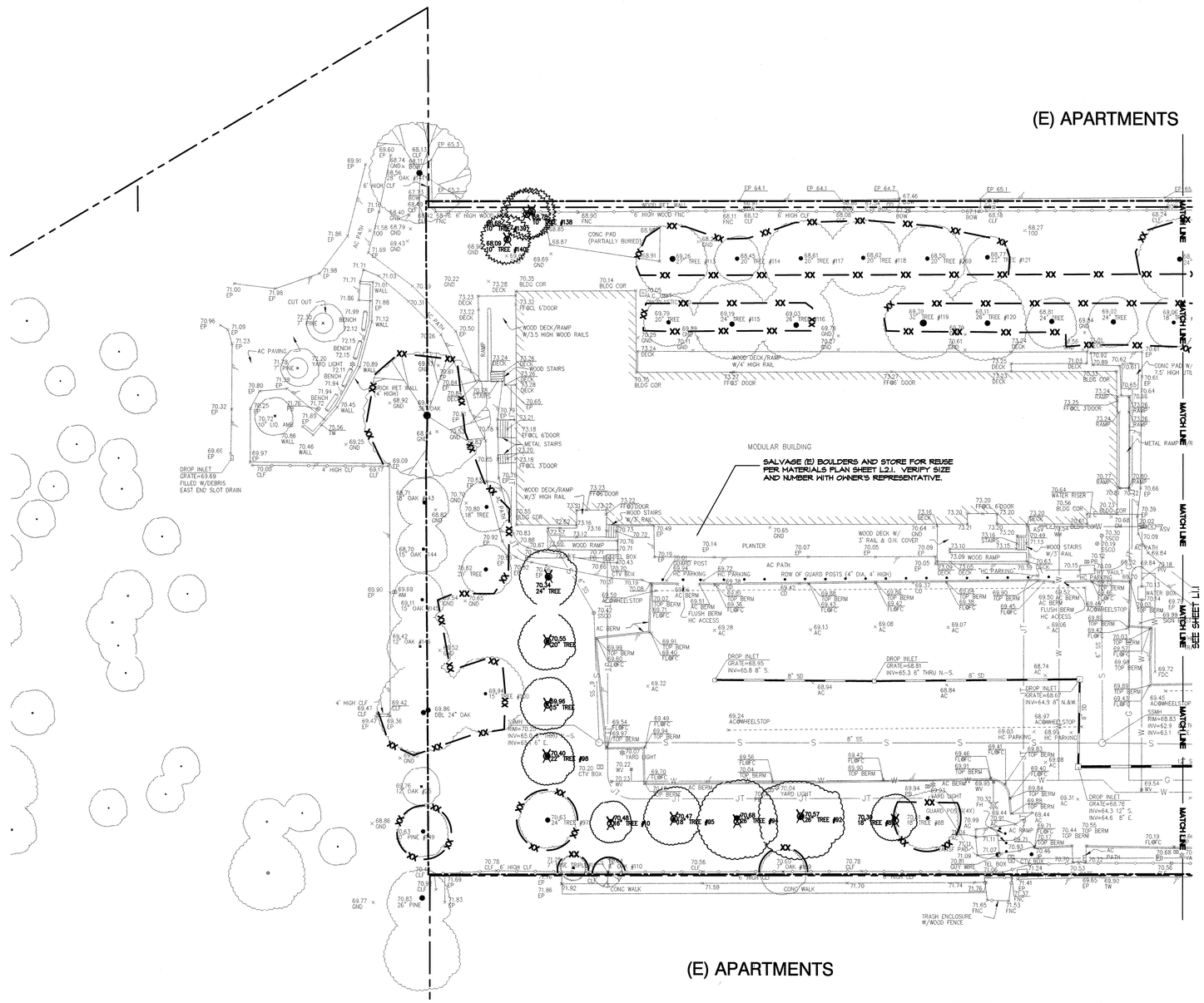
2. IN ALL CASES WHERE COMPACTED SOIL IS PRESENT, THE SOIL SHALL BE PLOWED AND TURNED OVER TO A DEPTH OF AT LEAST 18 INCHES. ORGANIC MATERIALS SHALL BE ADDED AND THOROUGHLY MIXED INTO THE SOIL.

3. IN CASES WHERE THE SOIL STRUCTURE HAS BEEN DESTROYED DUE TO EXTREME COMPACTION, OR IN CASES WHERE THE EXISTING SOIL IS UNSUITED FOR THE CULTIVATION OF ORNAMENTAL PLANT MATERIAL, THE SOIL SHALL BE REMOVED TO A DEPTH OF AT LEAST 18-INCHES IN SHRUB AREAS AND AT LEAST 30-INCHES IN AREAS WHERE VEGETATION WILL BE PLANTED AND REPLACED WITH A SOIL THAT IS SUITABLE FOR GROWING THE SPECIFIED SHRUBS AND VEGETATION.

TREE REPLACEMENT

1. ANY VEGETATION REQUIRED TO BE PRESERVED THAT ARE SEVERELY INJURED OR KILLED DURING CONSTRUCTION, SHALL BE REPLACED BY CONTRACTOR AT A RATIO TO BE DETERMINED BASED ON THE SIZE OF THE VEGETATION, ITS HEALTH, AND LOCATION. THE MINIMUM TREE REPLACEMENT RATIO SHALL BE THREE 24"-BOX TREES FOR EVERY TREE REMOVED. OTHER VEGETATION REPLACEMENT SHALL BE DEPENDENT UPON SPECIES, AGE AND GROWTH RATE.

2. AN INTERNATIONAL SOCIETY OF ARBORICULTURE OR NATIONAL ARBORIST'S ASSOCIATION QUALIFIED TREE SURGEON MAY BE RETAINED BY THE OWNER TO DETERMINE THE CONDITION OF TREES IN QUESTION AS TO THEIR ABILITY TO SURVIVE. COMPLY WITH RECOMMENDATIONS TO REHABILITATE OR TO REPLACE IN ACCORDANCE WITH PARAGRAPH ABOVE.



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