









3 EYE LEVEL PERSPECTIVE 1

SCALE: NTS





EYE LEVEL PERSPECTIVE 3



EYE LEVEL PERSPECTIVE 4

EYE LEVEL PERSPECTIVE 2















LEVEL 2 OVERALL PERSPECTIVE

SCALE: NTS



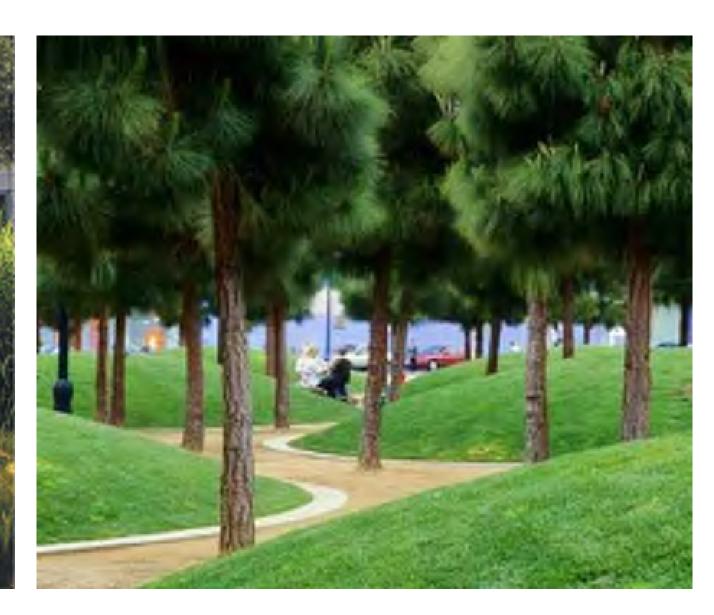
8 LEVEL 2 & 3 OVERALL PERSPECTIVE

SCALE: NTS













INSPIRATIONAL IMAGES — TIDAL MARSH/ COASTAL PLAIN

















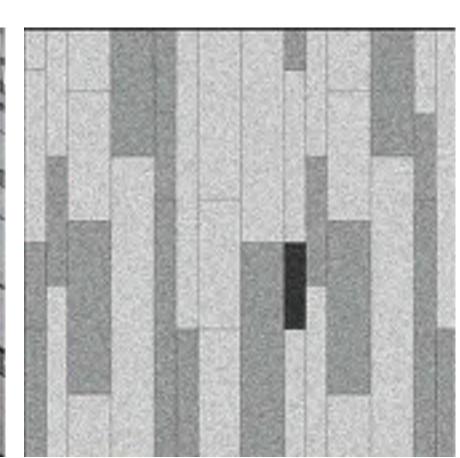




SITE FURNISHING/SITE ELEMENTS













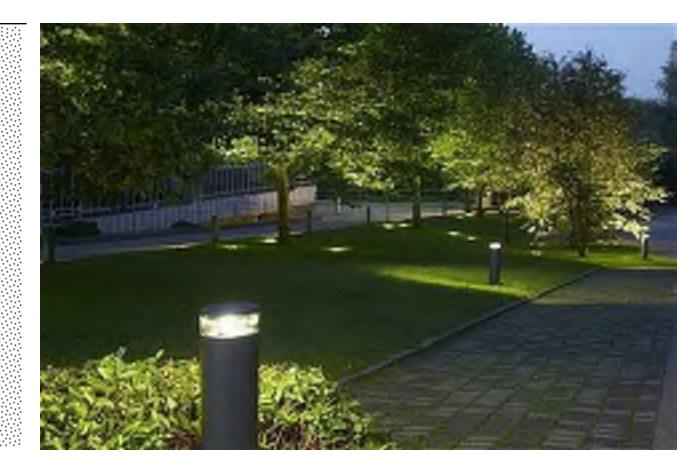
MATERIALS — PAVING PATTERNS









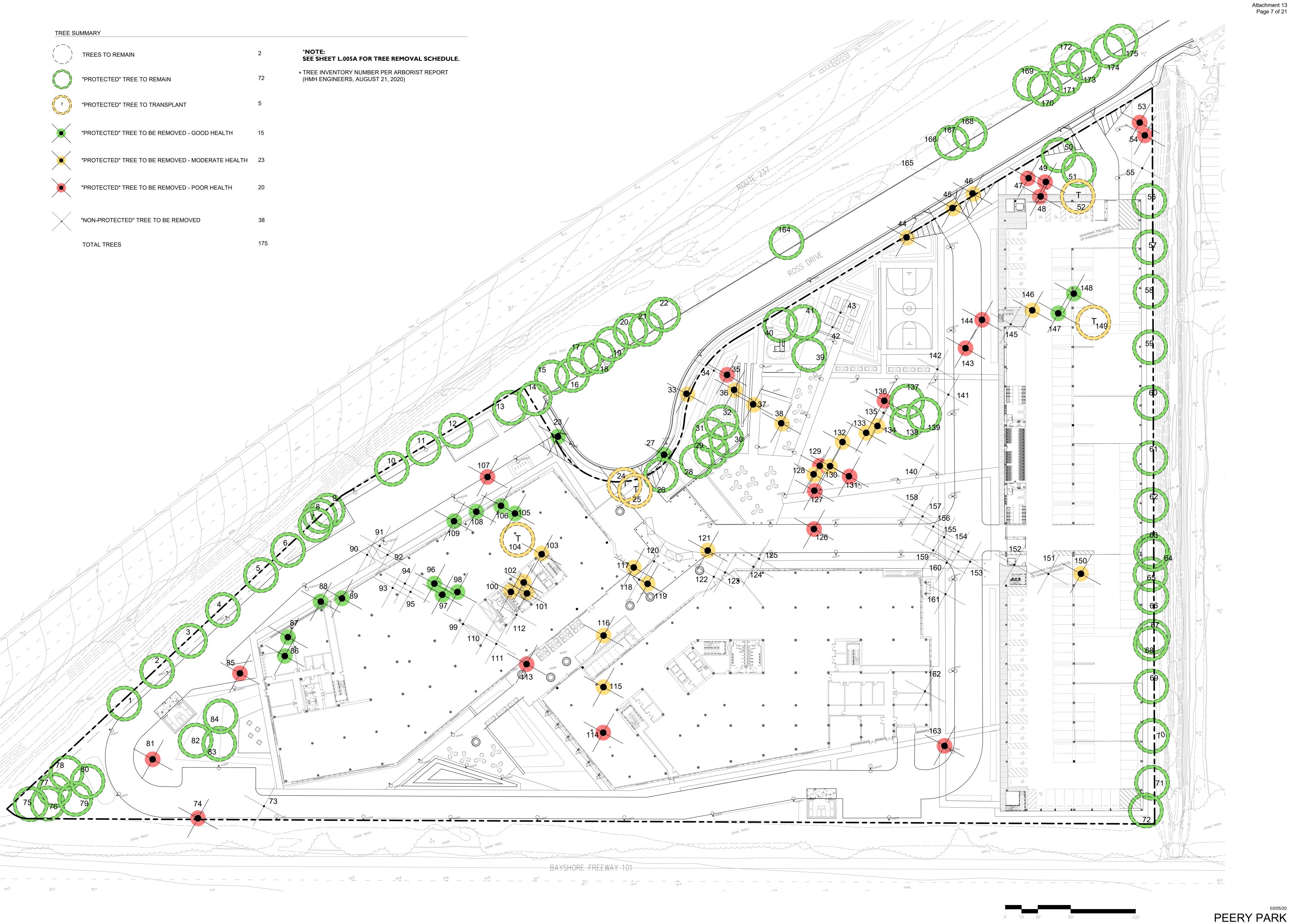




LIGHTING — PARKING AND PEDESTRIAN FIXTURES



STUDIO FIVE | DESIGN Landscape Architecture + Site Planning WRNSSTUDIO 25 SAN ANSELMO AVE SAN ANSELMO AVE, CA 94960 P 415.524.8517



2. BARRICADES: PRIOR TO INITIATION OF CONSTRUCTION ACTIVITY, TEMPORARY BARRICADES SHOULD BE INSTALLED AROUND ALL TREES IN THE CONSTRUCTION AREA. SIX-FOOT HIGH, CHAIN LINK FENCES ARE TO BE MOUNTED ON STEEL POSTS, DRIVEN 2 FEET INTO THE GROUND, AT NO MORE THAN 10-FOOT SPACING. THE FENCES SHALL ENCLOSE THE ENTIRE AREA UNDER THE DRIP LINE OF THE TREES OR AS CLOSE TO THE DRIP LINE AREA AS PRACTICAL. THESE BARRICADES WILL BE PLACED AROUND INDIVIDUAL TREES AND/OR GROUPS OF TREES AS THE EXISTING ENVIRONMENT DICTATES. THE TEMPORARY BARRICADES WILL SERVE TO PROTECT TRUNKS, ROOTS AND BRANCHES FROM MECHANICAL INJURIES, WILL INHIBIT STOCKPILING OF CONSTRUCTION MATERIALS OR DEBRIS WITHIN THE SENSITIVE 'DRIP LINE' AREAS AND WILL PREVENT SOIL COMPACTION FROM INCREASED

VEHICULAR/PEDESTRIAN TRAFFIC. NO STORAGE OF MATERIAL, TOPSOIL, VEHICLES OR EQUIPMENT SHALL BE PERMITTED WITHIN THE TREE ENCLOSURE AREA. THE GROUND AROUND THE TREE CANOPY SHALL NOT BE ALTERED. THESE BARRICADES SHOULD REMAIN IN PLACE UNTIL FINAL INSPECTION OF THE BUILDING PERMIT, EXCEPT FOR WORK SPECIFICALLY REQUIRED IN THE APPROVED PLANS TO BE DONE UNDER THE TREES TO BE PROTECTED. DESIGNATED AREAS BEYOND THE DRIP LINES OF ANY TREES SHOULD BE PROVIDED FOR CONSTRUCTION MATERIALS AND ONSITE PARKING. REFER TO TREE PROTECTION DETAIL THIS SHEET.

3. ROOT PRUNING (IF NECESSARY): DURING AND UPON COMPLETION OF ANY TRENCHING/GRADING OPERATION WITHIN A TREE'S DRIP LINE, SHOULD ANY ROOTS GREATER THAN ONE INCH (1") IN DIAMETER BE DAMAGED, BROKEN OR SEVERED, ROOT PRUNING TO INCLUDE FLUSH CUTTING AND SEALING OF EXPOSED ROOTS SHOULD BE ACCOMPLISHED UNDER THE SUPERVISION OF THE PROJECT ARBORIST TO MINIMIZE ROOT DETERIORATION BEYOND THE SOIL LINE WITHIN TWENTY-FOUR (24) HOURS.

4. PRUNING: PRUNING OF THE FOLIAR CANOPIES TO INCLUDE REMOVAL OF DEADWOOD IS RECOMMENDED AND SHOULD BE INITIATED PRIOR TO CONSTRUCTION OPERATIONS. SUCH PRUNING WILL PROVIDE ANY NECESSARY CONSTRUCTION CLEARANCE, WILL LESSEN THE LIKELIHOOD OR POTENTIAL FOR LIMB BREAKAGE, REDUCE 'WINDSAIL' EFFECT AND PROVIDE AN ENVIRONMENT SUITABLE FOR HEALTHY AND VIGOROUS GROWTH.

5. FERTILIZATION: A PROGRAM OF FERTILIZATION BY MEANS OF DEEP ROOT SOIL INJECTION IS RECOMMENDED WITH APPLICATIONS IN SPRING AND SUMMER FOR THOSE TREES TO BE IMPACTED BY CONSTRUCTION. SUCH FERTILIZATION WILL SERVE TO STIMULATE FEEDER ROOT DEVELOPMENT, OFFSET SHOCK/STRESS AS RELATED TO CONSTRUCTION AND/OR ENVIRONMENTAL FACTORS, ENCOURAGE VIGOR, ALLEVIATE SOIL COMPACTION AND COMPENSATE FOR ANY ENCROACHMENT OF NATURAL FEEDING ROOT AREAS. INCEPTION OF THIS FERTILIZING PROGRAM IS RECOMMENDED PRIOR TO THE INITIATION OF CONSTRUCTION ACTIVITY. DOCUMENTATION REQUIRED.

6. IRRIGATION: A SUPPLEMENTAL IRRIGATION PROGRAM IS RECOMMENDED FOR THE ALL TREES (EXCLUDING OAK SPECIES) AND SHOULD BE ACCOMPLISHED AT REGULAR THREE TO FOUR WEEK INTERVALS DURING THE PERIOD OF MAY 1ST THROUGH OCTOBER 31ST. OR COMPLY WITH THE CURRENT ARBORIST REPORT, WHICHEVER IS MORE STRINGENT. IRRIGATION IS TO BE APPLIED AT OR ABOUT THE 'DRIP LINE' IN AN AMOUNT SUFFICIENT TO SUPPLY APPROXIMATELY FIFTEEN (15) GALLONS OF WATER FOR EACH INCH IN TRUNK DIAMETER. IRRIGATION CAN BE PROVIDED BY MEANS OF A SOIL NEEDLE, 'SOAKER' OR PERMEABLE HOSE. WHEN USING 'SOAKER' OR PERMEABLE HOSES, WATER IS TO BE RUN AT LOW PRESSURE, AVOIDING RUNOFF/PUDDLING, ALLOWING THE NEEDED MOISTURE TO PENETRATE THE SOIL TO FEEDER ROOT DEPTHS. DOCUMENTATION REQUIRED.

7. MULCH: MULCHING WITH WOOD CHIPS (MINIMUM DEPTH 2"-MAXIMUM DEPTH 3") WITHIN TREE ENVIRONMENTS (OUTER FOLIAR PERIMETER) WILL LESSEN MOISTURE EVAPORATION FROM SOIL, PROTECT AND ENCOURAGE ADVENTITIOUS ROOTS AND MINIMIZE POSSIBLE SOIL COMPACTION.

8. INSPECTION: CONTRACTOR SHALL OBTAIN COPY OF THE PROJECT ARBORIST REPORT FROM MONARCH CONSULTING ARBORISTS, DATED SEPT. 10, 2018, AND BE FAMILIAR AND CONFORM TO ALL REQUIREMENTS THEREIN. PERIODIC INSPECTIONS BY THE PROJECT ARBORIST ARE RECOMMENDED DURING CONSTRUCTION ACTIVITIES, PARTICULARLY AS TREES ARE IMPACTED BY TRENCHING/GRADING OPERATIONS. INSPECTIONS AT APPROXIMATE FOUR (4) WEEK INTERVALS WOULD BE SUFFICIENT TO ASSESS AND MONITOR THE EFFECTIVENESS OF THE TREE PRESERVATION PLAN AND TO PROVIDE RECOMMENDATIONS FOR ANY ADDITIONAL CARE OR TREATMENT. DOCUMENTATION REQUIRED.

9. CONTRACTOR SHALL REVIEW DETAILS 1,2 AND 3 OF THIS SHEET PRIOR TO ACCOMPLISHING ANY WORK OR REMOVING ANY TREES.

10. THE MATURE TREES SHALL BE IRRIGATED WITH EXISTING TREE IRRIGATION SYSTEM ON SITE THOROUGHLY ONE TIME EVERY 5-6WEEKS ONCE THE WINTER RAINS STOP. ALL PARTS OF THE TREE TRUNK SHALL STAY DRY OR AS PROJECT ARBORIST DECIDES.

11. TREES/ LARGE PLANTS TO BE REMOVED OR RELOCATED SHALL BE TAGGED IN THE FIELD BY THE LANDSCAPE ARCHITECT AND/OR THE PROJECT ARBORIST.

12. REMOVE HEAVY VEGETATIVE GROWTH PRIOR TO SOIL STRIPPING. LEAVE SOIL IN PLACE WITHIN DRIP LINES OF TREES. STOCKPILE TOPSOIL IN AREAS DIRECTED BY LANDSCAPE ARCHITECT. COVER STOCKPILES TO PREVENT CONTAMINATION, WIND AND WATER EROSION IMMEDIATELY.

### CON'T TREE PROTECTION NOTES

13. CONTRACTOR SHALL OBTAIN COPY OF PROJECT ARBORIST REPORT BY MONARCH CONSULTING ARBORISTS, DATED SEPT. 10, 2018, THE TREE SURVEY/TREE DISPOSITION PLAN PREPARED BY STUDIO FIVE DESIGN AND THE TREE PROTECTION/DISPOSTION DETAILS PREPARED BY STUDIO FIVE DESIGN AND BE FAMILIAR AND CONFORM TO ALL REQUIREMENTS THEREIN.

14. FOR 'TREE NUMBER' INFORMATION. SEE ARBORIST'S REPORT. DATED SETP. 10, 2018 AND TREE DISPOSITION PLANS BY STUDIO FIVE DESIGN.

15. DO NOT LIME WITHIN 50' OF ANY TREE. LIME IS TOXIC TO TREE ROOTS.

16. PRIOR TO GRADING, PAD PREPARATION, EXCAVATION FOR FOUNDATIONS/FOOTINGS/WALLS, TRENCHING, TREES MAY REQUIRE ROOT PRUNING OUTSIDE THE TREE PROTECTION ZONE BY CUTTING ALL ROOTS CLEANLY TO THE DEPTH OF THE EXCAVATION. ROOTS SHALL BE CUT BY MANUALLY DIGGING A TRENCH AND CUTTING EXPOSED ROOTS WITH A SAW, VIBRATING KNIFE, ROCK SAW, OR OTHER APPROVED ROOT PRUNING EQUIPMENT. THE PROJECT ARBORIST WILL IDENTIFY WHERE ROOT PRUNING IS REQUIRED AND MONITOR ALL ROOT PRUNING.

17. ALL UNDERGROUND UTILITIES, DRAIN LINES OR IRRIGATION LINES SHALL BE ROUTED OUTSIDE THE TREE PROTECTION ZONE. IF LINES MUST TRAVERSE THROUGH THE PROTECTION AREA, THEY SHALL BE TUNNELED OR BORED UNDER THE TREE AS DIRECTED BY THE PROJECT ARBORIST.

18. SOME TREE WERE NOT IDENTIFIED IN ARBORIST REPORT BECAUSE OF TREE CALIPER SIZE WAS LESS THAN 6"

19. TREE PROTECTION FENCING GRAPHIC IS DIAGRAMMATIC AND CONTRACTOR SHOULD REFER TO TREE PROTECTION DETAIL FOR SPECIFIC METHOD PER PRESERVED TREE.

20. TREES TO BE REMOVED SHALL BE CUT ONE FOOT ABOVE FINISHED GRADE AND THEN TREE STUMP SHALL BE GRIND 12" MIN. (OR DEEPER IF A PROPOSED TREE IS IN THE SAME LOCATION AND IS DEPENDENT ON PROPOSED BOX SIZE) BELOW FINISHED GRADE TO MINIMIZE IMPACT ON THE UNDER GROUND UTILITIES.

21. NEED TO RUN A CAMERA THROUGH THE SANITARY SEWER MAIN TO VERIFY INTRUSION OF TREE ROOTS. ALL DAMAGED SANITARY SEWER LINES AND WATER MAINS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER PRIOR TO CONSTRUCTING FINISHED GRADE.

22. NO EXISTING TREE(S) MAY BE TRIMMED OR PRUNED WITHOUT PRIOR APPROVAL BY THE PROJECT ARBORIST OR CITY ARBORIST.

23. NO EQUIPMENT MAY BE STORED WITHIN OR BENEATH THE

24. NO OIL, GASOLINE, CHEMICALS OR OTHER HARMFUL MATERIALS SHALL BE DEPOSITED OR DISPOSED WITHIN THE DRIP LINE OF THE TREES OR IN DRAINAGE CHANNELS, SWALES OR AREAS THAT MAY LEAD TO THE DRIP LINE.

25NO STOCKPILING/STORAGE OF FILL, ETC., SHALL TAKE PLACE UNDERNEATH OR WITHIN FIVE FEET OF THE DRIP LINE OF ALL EXISTING TREES.

26 THE PROJECT DEVELOPER SHALL COMPLY WITH THE RECOMMENDATIONS OF THE TREE REPORTS PREPARED BY MONARCH CONSULTING ARBORISTS, DATED SEPT. 10, 2018. A FINAL LIST OF THE TREE PRESERVATION MEASURES BY THE ARBORIST SHALL BE SUBMITTED FOR REVIEW AND APPROVAL BY THE DIRECTOR OF COMMUNITY DEVELOPMENT PRIOR TO BUILDING PERMIT ISSUANCE. NO TREE TRIMMING OR PRUNING OTHER THAN THAT SPECIFIED IN THE TREE REPORT SHALL OCCUR. THE PROJECT DEVELOPER SHALL ARRANGE FOR THE HORTICULTURAL CONSULTANT TO CONDUCT A FIELD INSPECTION PRIOR TO ISSUANCE OF CITY PERMITS TO ENSURE THAT ALL RECOMMENDATIONS HAVE BEEN PROPERLY IMPLEMENTED. THE CONSULTANT SHALL CERTIFY IN WRITING THAT SUCH

RECOMMENDATIONS HAVE BEEN FOLLOWED.



1. PROTECTION BARRICADE SAFETY FENCE SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE CONSTRUCTION WORK AT THE SITE 2. FENCE TO BE PLACED AT DRIPLINE OF TREES, UNLESS OTHERWISE DIRECTED BY PROJECT ARBORIST OR CITY ARBORIST. 3. ANY WORK THAT OCCURS WITHIN TREE PROTECTION FENCING MUST BE REVIEWED AND APPROVED BY

PROJECT ARBORIST OR CITY ARBORIST 4. IF IRRIGATION HAS BEEN ABANDONED, THEN TEMPORARY FREQUENCT WATERING MUST OCCUR AND BE DETERMINED BY PROJECT ARBORIST OR CITY ARBORIST 5. WARNING SIGNS TO BE ATTACHED ON THE FENCING AND IN APPROPRIATE AREAS NEAR THE CONSTRUCTION AREA

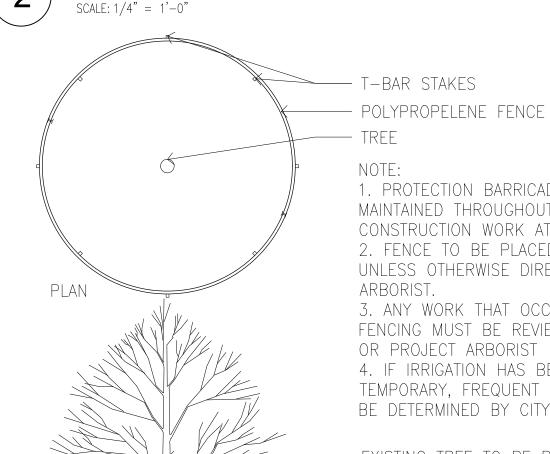
- EXISTING TREE TO BE PROTECTED 2" THICK WOOD SLATS, MIN. OF 3" SPACING BETWEEN SLATS. MIN. OF 4 SLATS PER TREE. SLATS SECURED BY ORANGE PLASTIC CONSTRUCTION FENCING. WRAP MIN. OF 4 TIMES AND SECURE WITH METAL STRAPS IN THREE LOCATIONS ALONG TRUNK. CHECK GROWTH OF TREE TRUNK THROUGHOUT CONSTRUCTION DURATION AND ADJUST AS NECESSARY

LEAVE ROOM SO FENCING DOESN'T RUB AT BASE OF TREEK ROOTS

- EXISTING GRADE

\* TEMPORARY TRUNK WRAP PROTECTION ALLOWED ONLY BY APPROVAL FROM PROJECT/ CITY ARBORIST

TREE PROTECTION — TEMPORARY TRUNK WRAP



PLAN

SECTION

1. PROTECTION BARRICADE SAFETY FENCE SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE CONSTRUCTION WORK AT THE SITE 2. FENCE TO BE PLACED AT DRIPLINE OF TREES, UNLESS OTHERWISE DIRECTED BY CITY OR PROJECT

3. ANY WORK THAT OCCURS WITHIN TREE PROTECTION FENCING MUST BE REVIEWED AND APPROVED BY CITY OR PROJECT ARBORIST 4. IF IRRIGATION HAS BEEN ABANDONED, THEN TEMPORARY, FREQUENT WATERING MUST OCCUR AND BE DETERMINED BY CITY OR PROJECT ARBORIST

- EXISTING TREE TO BE PROTECTED --- LIGHTWEIGHT ORANGE

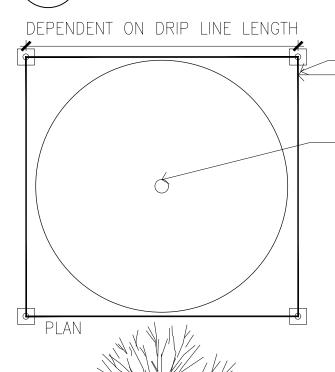
POLYPROPELENE BARRICADE SAFETY FENCE --- FIRMLY DRIVEN METAL "T" BAR STAKES

(1.5"x1.5"x.125"x10") OR EQUAL @ 6'-0"O.C.

EXISTING GRADE

1/3 BURIAL OF OVERALL POST 900mm (3') MIN. TAKE CARE TO AVOID TREE ROOTS IN SURROUNDING AREA

TREE PROTECTION - ORANGE BARRIER FENCING SCALE: 1/4" = 1'-0"

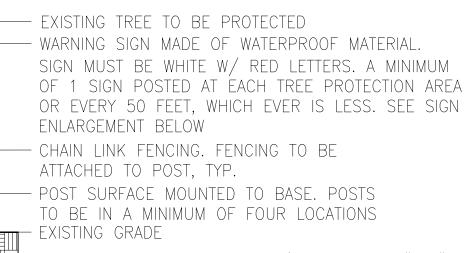


SCALE: 1/4" = 1'-0"

POST WITH SURFACE MOUNTED BASE — CHAIN LINK FENCE. SHALL BE DURABLE AND HIGHLY VISIBLE WITH WARNING SIGN(S) VISIBLE TO SIDE OF CONSTRUCTION ACTIVITY

— TREE 1. PROTECTION BARRICADE SAFETY FENCE SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE CONSTRUCTION WORK AT THE SITE 2. FENCE TO BE PLACED AT DRIPLINE OF TREES, UNLESS OTHERWISE DIRECTED BY CITY ARBORIST. 3. ANY WORK THAT OCCURS WITHIN TREE PROTECTION FENCING MUST BE REVIEWED AND APPROVED BY CITY ARBORIST

4. IF IRRIGATION HAS BEEN ABANDONED, THEN TEMPORARY FREQUENT WATERING MUST OCCUR AND BE DETERMINED BY CITY OR PROJECT ARBORIST. 5. WARNING SIGNS TO BE ATTACHED ON THE FENCING AND IN APPROPRIATE AREAS NEAR THE CONSTRUCTION



─ 11"x17" MIN. SIZE OR LARGER TREE PROTECTION AREA-KEEP OUT NO STORAGE IN THIS AREA. IF ACCESS (XXX) XXX-XXXX ARBORIST PHONE NUMBER

SIGN ENLARGEMENT TREE PROTECTION - CHAIN LINK FENCING TREES TO BE REMOVED

TREE NO.	TREE SPECIES	TRUNCH DIAMETER	24" BOX REPLACEMENT	36" BOX REPLACEMENT
2	Pinus canariensis	15.0	1	_
3	Pinus canariensis	30.0	_	2
4	Pinus canariensis	20.0	2	_
 5	Pinus canariensis	24.0	2	_
6	Pinus canariensis	19.0	2	_
7	Pinus canariensis	15.5	1	_
10	Pinus canariensis	25.5	2	_
11	Pinus canariensis	15.0	1	_
12	Pinus canariensis	24.5	_	2
14	Sequoia sempervirens	19.3	2	_
16	Fraxinus uhdel	19.0	2	
18	Fraxinus uhdel	20.3	2	
17	Sequoia sempervirens	15.3	1	
19	Sequoia sempervirens	16	1	
20	Sequoia sempervirens	14.8	1	
<u>20                                    </u>	Sequoia sempervirens	15.8	1	
<u>21</u> 22	Sequoia sempervirens	16.8	1	
<u>22</u> 23	Fraxinus uhdel	24.0	2	_
<u>23                                    </u>	Fraxinus undei Fraxinus uhdei	31.8		2
<u>27</u> 33				
34	Fraxinus uhdei Liquidambar styraciflua	28.0		2
	Liquidambar styraciflua		1	_
35 7.0	Liquidambar styraciflua	16.5	1	_
36	Liquidambar styraciflua	13.5	1	_
37		15.0		_
38	Alnus rhombifolia	18.0	2	_
42	Liquidambar styraciflua	5.5	_	_
43	Liquidambar styraciflua	6.0	_	_
44	Fraxinus uhdei	41.0	_	2
45	Fraxinus uhdei	26.5	_	2
46	Fraxinus uhdei	28.0		2
47	Liquidambar styraciflua	20.3	2	_
48	Liquidambar styraciflua	14.5		_
49	Liquidambar styraciflua	13.0	1	_
53	Alnus rhombifolia	17.0	1	_
54	Alnus rhombifolia	16.8	1	_
55 	Agonis flexuosa	7.5	_	_
73	Sequoia sempervirens	11.5	_	_
74	Fraxinus uhdei	16.0		_
81	Alnus rhombifolia	18.8	2	_
85	Alnus rhombifolia	14.0	1	_
86	Sequoia sempervirens	20.5	2	_
87	Sequoia sempervirens	27.5	_	2
88	Sequoia sempervirens	31.0	_	2
89	Sequoia sempervirens	30.0	_	2
90	Liquidambar styraciflua	11.8	_	_
91	Liquidambar styraciflua	9.0	_	_
92	Liquidambar styraciflua	11.0	_	_
93	Betula Pendula	1.5	_	_
94	Betula Pendula	8.0	_	_
95	Betula Pendula	8.8	_	_
96	Sequoia sempervirens	24.5	_	2
97	Sequoia sempervirens	22.5	2	_
98	Sequoia sempervirens	19.5	2	_
99	Betula Pendula	8.0	_	_
100	Liquidambar styraciflua	15.0	1	_

Page 8 of 21 TRUNCH | 24" BOX | 36" BOX DIAMETER | REPLACEMENT | REPLACEMENT

TREE SPECIES

Attachment 13

102 Liquid 103 Alnus 105 Seque 106 Seque 107 Alnus 108 Seque 109 Seque 110 Betul 111 Betul 112 Liquid 113 Alnus 114 Alnus 115 Alnus 116 Alnus 117 Liquid 120 Liquid 121 Liquid 122 Betul 123 Betul 124 Betul 125 Betul 125 Betul 126 Liquid 127 Alnus 128 Liquid 127 Alnus 130 Liquid 131 Alnus 132 Fraxir 133 Liquid 134 Liquid 135 Liquid 136 Liquid 137 Liquid 137 Liquid 138 Liquid 139 Liquid 130 Liquid 131 Alnus 132 Fraxir 133 Liquid 134 Liquid 135 Liquid 135 Liquid 136 Liquid 137 Liquid 138 Liquid 139 Liquid 130 Liquid 131 Alnus 132 Fraxir 133 Liquid 134 Liquid 135 Liquid 136 Liquid 137 Liquid 138 Seque 149 Liquid 140 Betul 141 Betul 141 Betul 142 Agon 143 Salix 144 Liquid 145 Liquid 150 Liquid 151 Liquid 151 Liquid 152 Liquid 153 Liquid 154 Liquid 155 Lirod 156 Lirod 157 Lirod 157 Lirod 158 Lirod 159 Lirod 159 Lirod 150 Liquid 161 Liquid 162 Liquid 163 Liquid 164 Pinus 169 Schin 170 Seque 170 Seque				REPLACEME
103	Liquidambar styraciflua	15.5	1	_
103	Liquidambar styraciflua	16.3	1	_
105   Sequent   107   Alnus   108   Sequent   109   Sequent   109   Sequent   110   Betul-112   Liquid   111   Liquid   115   Alnus   116   Alnus   117   Liquid   118   Liquid   119   Liquid   120   Liquid   121   Liquid   122   Betul-112   Betul-113   Betul-113   Betul-113   Betul-114   Bet	Alnus rhombifolia	34.0	_	2
106   Sequent   107   Alnus   108   Sequent   109   Sequent   110   Betulut   111   Betulut   112   Liquid   115   Alnus   115   Alnus   116   Alnus   117   Liquid   118   Liquid   119   Liquid   120   Liquid   121   Liquid   122   Betulut   123   Betulut   124   Betulut   125   Betulut   126   Liquid   127   Alnus   128   Liquid   127   Alnus   128   Liquid   130   Liquid   131   Alnus   132   Fraxin   133   Liquid   135   Liquid   135   Liquid   135   Liquid   141   Betulut   142   Agon   143   Salix   144   Liquid   145   Liquid   146   Sequent   146   Liquid   147   Sequent   148   Liquid   146   Liquid   140   Liquid   14	Sequoia sempervirens	34.0	_	2
107	Sequoia sempervirens	30.5	_	2
108   Sequent   109   Sequent   110   Betular   111   Betular   112   Liquid   114   Alnus   115   Alnus   116   Alnus   116   Alnus   117   Liquid   118   Liquid   119   Liquid   119   Liquid   112   Betular   120   Liquid   121   Liquid   121   Liquid   122   Betular   123   Betular   124   Betular   125   Betular   126   Liquid   127   Alnus   128   Liquid   127   Alnus   128   Liquid   130   Liquid   131   Alnus   132   Fraxin   133   Liquid   131   Alnus   132   Fraxin   133   Liquid   134   Liquid   141   Betular   142   Agon   143   Salix   144   Liquid   145   Liquid   146   Sequent   146   Liquid   147   Sequent   148   Sequent   150   Liquid   157   Liquid   157   Liquid   158   Liquid   157   Liquid   156   Liquid   157   Liquid   156   Liquid   157   Liquid   157   Liquid   158   Liquid   159   Liquid   150   Liquid   15	Alnus rhombifolia	22.3	2	_
109   Sequents   Seq	Sequoia sempervirens			
100   Betular   Betular		22.0	2	_
111   Betulation   112   Liquid   113   Alnus   115   Alnus   116   Alnus   117   Liquid   119   Liquid   120   Liquid   121   Liquid   122   Betulation   124   Betulation   125   Betulation   126   Liquid   127   Alnus   128   Liquid   127   Alnus   128   Liquid   130   Liquid   131   Alnus   132   Fraxin   131   Alnus   132   Fraxin   134   Liquid   135   Liquid   136   Liquid   141   Betulation   141   Betulation   142   Agon   144   Liquid   145   Liquid   145   Liquid   145   Liquid   145   Liquid   145   Liquid   146   Sequal   150   Liquid   151   Liquid   150   Liquid   151   Liquid   151	Sequoia sempervirens	23.5	2	_
112	Betula Pendula	3.0	_	_
113         Alnus           114         Alnus           115         Alnus           116         Alnus           117         Liquid           118         Liquid           120         Liquid           121         Liquid           122         Betul           123         Betul           124         Betul           125         Betul           126         Liquid           127         Alnus           128         Liquid           129         Liquid           130         Liquid           131         Alnus           132         Fraxin           133         Liquid           134         Liquid           135         Liquid           140         Betul           141         Betul           142         Agon           143         Salix           144         Liquid           145         Liquid           146         Seque           157         Lirode           158         Lirode           159         Lirode	Betula Pendula	8.0	_	_
114         Alnus           115         Alnus           117         Liquid           118         Liquid           120         Liquid           121         Liquid           122         Betul           123         Betul           124         Betul           125         Betul           126         Liquid           127         Alnus           128         Liquid           129         Liquid           130         Liquid           131         Alnus           132         Fraxin           133         Liquid           134         Liquid           135         Liquid           140         Betul           141         Betul           142         Agon           143         Liquid           144         Liquid           145         Liquid           147         Seque           150         Liquid           151         Liquid           152         Liquid           153         Liquid           154         Liquid	Liquidambar styraciflua	7.8	_	_
115	Alnus rhombifolia	22.0	2	_
115	Alnus rhombifolia	24.5	_	2
116	Alnus rhombifolia	25.0	_	2
117	Alnus rhombifolia	22.5	2	_
118	Liquidambar styraciflua	12.0	1	
119				_
120 Liquid 121 Liquid 122 Betul 123 Betul 124 Betul 125 Betul 126 Liquid 127 Alnus 128 Liquid 130 Liquid 131 Alnus 132 Fraxin 133 Liquid 134 Liquid 135 Liquid 136 Liquid 141 Betul 142 Agon 144 Liquid 145 Liquid 147 Seque 148 Seque 147 Seque 150 Liquid 151 Liquid 151 Liquid 152 Liquid 153 Liroda 154 Liroda 155 Liroda 157 Liroda 157 Liroda 158 Liroda 157 Liroda 158 Liroda 159 Liquid 150 Liquid 151 Liquid 152 Liquid 153 Liroda 154 Liroda 157 Liroda 156 Liroda 157 Liroda 157 Liroda 158 Liroda 157 Liroda 158 Liroda 159 Liquid 150 Liquid 151 Liquid 152 Liquid 155 Liroda 157 Liroda 156 Liroda 157 Liroda 157 Liroda 158 Liroda 159 Liroda 150 Liquid 151 Liquid 152 Liquid 153 Liquid 155 Liroda 156 Liroda 157 Liroda 157 Liroda 158 Liroda 159 Liroda 150 Liquid 150 Liquid 151 Liquid 152 Liquid 153 Liroda 154 Liroda 155 Liroda 157 Liroda 158 Liroda 159 Liroda 150 Liquid 150 Liquid 151 Liquid 151 Liquid 152 Liquid 153 Liquid 154 Liquid 155 Liroda 157 Liroda 158 Liroda 159 Liroda 150 Liquid 150 Liquid 150 Liquid 151 Liquid 151 Liquid 152 Liquid 153 Liquid 154 Liquid 155 Liroda 157 Liroda 158 Liroda 159 Liroda 150 Liquid 150 Liquid 150 Liquid 151 Liquid 151 Liquid 152 Liquid 153 Liquid 154 Liquid 155 Liroda 157 Liroda 158 Liroda 159 Liroda 150 Liquid 150 Liquid 150 Liquid 151 Liquid 151 Liquid 152 Liquid 153 Liquid 154 Liquid 155 Liroda 157 Liroda 158 Liroda 159 Liroda 150 Liquid	Liquidambar styraciflua	9.0	_	_
121 Liquid 122 Betul 123 Betul 124 Betul 125 Betul 126 Liquid 127 Alnus 128 Liquid 130 Liquid 131 Alnus 132 Fraxin 133 Liquid 135 Liquid 136 Liquid 141 Betul 142 Agon 143 Salix 144 Liquid 145 Liquid 145 Liquid 147 Seque 148 Seque 150 Liquid 151 Liquid 151 Liquid 152 Liquid 153 Liquid 154 Liquid 155 Liroda 157 Liroda 156 Liroda 157 Liroda 157 Liroda 158 Liroda 157 Liroda 156 Liroda 157 Liroda 157 Liroda 158 Liroda 157 Liroda 157 Liroda 158 Liquid 159 Liquid 160 Liquid 161 Liquid 161 Liquid 162 Liquid 163 Liquid 164 Pinus 165 Pinus 166 Pinus 167 Pinus 168 Schin 169 Schin 170 Seque	Liquidambar styraciflua	12.0	1	_
122   Betula   123   Betula   124   Betula   125   Betula   126   Liquida   127   Alnus   128   Liquida   130   Liquida   131   Alnus   132   Fraxin   133   Liquida   135   Liquida   135   Liquida   136   Liquida   141   Betula   142   Agona   144   Liquida   145   Liquida   147   Sequala   148   Sequala   150   Liquida   151   Liquida   151   Liquida   152   Liquida   151   Liquida   151   Liquida   151   Liquida   152   Liquida   153   Liroda   154   Liroda   157   Liroda   157   Liroda   158   Liroda   157   Liroda   158   Liroda   157   Liroda   156   Liquida   161   Liquida   162   Liquida   163   Liquida   164   Pinus   165   Pinus   166   Pinus   166   Pinus   167   Pinus   168   Schin   169   Schin   170   Sequala   170   Sequala	Liquidambar styraciflua	11.5	_	_
123   Betula   124   Betula   125   Betula   126   Liquid   127   Alnus   128   Liquid   130   Liquid   131   Liquid   131   Liquid   135   Liquid   135   Liquid   136   Liquid   141   Betula   142   Agon   143   Salix   144   Liquid   145   Liquid   145   Liquid   145   Liquid   146   Sequal   150   Liquid   151   Li	Liquidambar styraciflua	17.3	1	_
124   Betula   125   Betula   126   Liquid   127   Alnus   128   Liquid   130   Liquid   131   Alnus   132   Fraxin   133   Liquid   135   Liquid   135   Liquid   140   Betula   141   Betula   142   Agon   143   Salix   144   Liquid   145   Liquid   145   Liquid   145   Liquid   145   Liquid   146   Sequentia   150   Liquid   151   Liquid   152   Liquid   153   Liroda   154   Liroda   155   Liroda   156   Liroda   157   Liroda   157   Liroda   158   Liroda   159   Liroda   150	Betula Pendula	10.0	_	_
125	Betula Pendula	7.5	_	_
125	Betula Pendula	5.5	_	_
126	Betula Pendula	7.5	_	_
127 Alnus 128 Liquid 129 Liquid 130 Liquid 131 Alnus 132 Fraxii 133 Liquid 135 Liquid 136 Liquid 140 Betul 141 Betul 142 Agon 143 Salix 144 Liquid 145 Liquid 145 Liquid 145 Liquid 146 Seque 147 Seque 148 Seque 150 Liquid 151 Liquid 152 Liquid 151 Liquid 152 Liquid 153 Liroda 154 Liroda 157 Liroda 158 Liroda 159 Liroda 157 Liroda 158 Liroda 159 Liroda 150 Liquid 161 Liquid 162 Liquid 163 Liquid 164 Pinus 166 Pinus 166 Pinus 167 Pinus 168 Schin 169 Schin	Liquidambar styraciflua		1	
128		16.0		_
129	Alnus rhombifolia	23.3	2	_
130 Liquid 131 Alnus 132 Fraxin 133 Liquid 134 Liquid 135 Liquid 136 Liquid 140 Betul 141 Betul 142 Agon 143 Salix 144 Liquid 145 Liquid 146 Seque 147 Seque 148 Seque 150 Liquid 151 Liquid 152 Liquid 153 Liroda 154 Liroda 155 Liroda 157 Liroda 158 Liroda 159 Liroda 157 Liroda 158 Liroda 159 Liroda 150 Liquid 161 Liquid 162 Liquid 163 Liquid 164 Pinus 166 Pinus 166 Pinus 167 Pinus 168 Schin 169 Schin 170 Seque	Liquidambar styraciflua	16.5	1	_
131 Alnus 132 Fraxin 133 Liquid 134 Liquid 135 Liquid 136 Liquid 140 Betul 141 Betul 142 Agon 143 Salix 144 Liquid 145 Liquid 146 Seque 147 Seque 148 Seque 150 Liquid 151 Liquid 152 Liquid 153 Liroda 154 Liroda 155 Liroda 157 Liroda 158 Liroda 159 Liroda 157 Liroda 158 Liroda 159 Liroda 160 Liquid 161 Liquid 162 Liquid 163 Liquid 164 Pinus 166 Pinus 166 Pinus 167 Pinus 168 Schin 169 Schin 170 Seque	Liquidambar styraciflua	12.3	1	_
132 Fraxin 133 Liquid 134 Liquid 135 Liquid 136 Liquid 140 Betul 141 Betul 142 Agon 143 Salix 144 Liquid 145 Liquid 146 Seque 147 Seque 148 Seque 150 Liquid 151 Liquid 152 Liquid 153 Liroda 154 Liroda 155 Liroda 157 Liroda 158 Liroda 157 Liroda 158 Liroda 159 Liroda 160 Liquid 161 Liquid 162 Liquid 163 Liquid 164 Pinus 166 Pinus 166 Pinus 167 Pinus 168 Schin 169 Schin 170 Seque	Liquidambar styraciflua	14.0	1	_
133	Alnus rhombifolia	17.0	1	_
133	Fraxinus uhdei	26.5	_	2
134 Liquid 135 Liquid 136 Liquid 140 Betul 141 Betul 142 Agon 143 Salix 144 Liquid 145 Liquid 146 Seque 147 Seque 150 Liquid 151 Liquid 152 Liquid 153 Liroda 154 Liroda 155 Liroda 157 Liroda 158 Liroda 157 Liroda 157 Liroda 158 Liroda 159 Liroda 160 Liquid 161 Liquid 162 Liquid 163 Liquid 164 Pinus 165 Pinus 166 Pinus 167 Pinus 168 Schin 169 Schin 170 Seque	Liquidambar styraciflua	16.0	1	_
135 Liquid 136 Liquid 140 Betul 141 Betul 142 Agon 143 Salix 144 Liquid 145 Liquid 146 Seque 147 Seque 150 Liquid 151 Liquid 152 Liquid 153 Liroda 154 Liroda 155 Liroda 157 Liroda 157 Liroda 158 Liroda 159 Liroda 160 Liquid 161 Liquid 162 Liquid 163 Liquid 164 Pinus 165 Pinus 166 Pinus 167 Pinus 168 Schin 169 Schin 170 Seque	Liquidambar styraciflua	12.5	1	_
136 Liquid 140 Betul 141 Betul 142 Agon 143 Salix 144 Liquid 145 Liquid 146 Seque 147 Seque 150 Liquid 151 Liquid 152 Liquid 153 Lirode 154 Lirode 155 Lirode 157 Lirode 157 Lirode 158 Lirode 159 Lirode 160 Liquid 161 Liquid 162 Liquid 163 Liquid 164 Pinus 165 Pinus 166 Pinus 167 Pinus 168 Schin 169 Schin	Liquidambar styraciflua	9.5	I	
140 Betuli 141 Betuli 142 Agon 143 Salix 144 Liquid 145 Liquid 146 Seque 147 Seque 150 Liquid 151 Liquid 152 Liquid 153 Liroda 154 Liroda 155 Liroda 156 Liroda 157 Liroda 157 Liroda 158 Liroda 159 Liroda 160 Liquid 161 Liquid 162 Liquid 163 Liquid 164 Pinus 165 Pinus 166 Pinus 167 Pinus 168 Schin 169 Schin			_	_
141       Betula         142       Agon         143       Salix         144       Liquid         145       Liquid         146       Seque         147       Seque         148       Seque         150       Liquid         151       Liquid         152       Liquid         153       Lirode         154       Lirode         155       Lirode         157       Lirode         158       Lirode         159       Lirode         160       Liquid         161       Liquid         162       Liquid         163       Liquid         164       Pinus         165       Pinus         166       Pinus         167       Pinus         168       Schin         170       Seque	Liquidambar styraciflua	14.5	1	_
142       Agon         143       Salix         144       Liquid         145       Liquid         146       Seque         147       Seque         150       Liquid         151       Liquid         152       Liquid         153       Lirode         154       Lirode         155       Lirode         157       Lirode         158       Lirode         159       Lirode         160       Liquid         161       Liquid         162       Liquid         163       Liquid         164       Pinus         165       Pinus         166       Pinus         167       Pinus         168       Schin         170       Seque	Betula Pendula	11.5	_	_
143       Salix         144       Liquid         145       Liquid         147       Sequence         148       Sequence         150       Liquid         151       Liquid         152       Liquid         153       Liroda         154       Liroda         155       Liroda         157       Liroda         158       Liroda         159       Liroda         160       Liquid         161       Liquid         162       Liquid         163       Liquid         164       Pinus         165       Pinus         166       Pinus         167       Pinus         168       Schin         170       Sequence	Betula Pendula	9.5	_	_
144         Liquid           145         Liquid           147         Sequence           148         Sequence           150         Liquid           151         Liquid           152         Liquid           153         Lirode           155         Lirode           156         Lirode           157         Lirode           158         Lirode           159         Lirode           160         Lirode           161         Liquid           162         Liquid           163         Liquid           164         Pinus           165         Pinus           166         Pinus           167         Pinus           168         Schin           170         Sequence	Agonis flexuosa	11.0	_	_
145       Liquid         146       Sequence         147       Sequence         148       Sequence         150       Liquid         151       Liquid         152       Liquid         153       Lirode         155       Lirode         156       Lirode         157       Lirode         158       Lirode         159       Lirode         160       Lirode         161       Liquid         162       Liquid         163       Liquid         164       Pinus         165       Pinus         166       Pinus         167       Pinus         168       Schin         170       Sequence	Salix babylonica	18.0	2	_
146       Sequent         147       Sequent         148       Sequent         150       Liquid         151       Liquid         152       Liquid         153       Lirode         155       Lirode         156       Lirode         157       Lirode         158       Lirode         159       Lirode         160       Liquid         161       Liquid         162       Liquid         163       Liquid         164       Pinus         165       Pinus         166       Pinus         167       Pinus         168       Schin         169       Schin         170       Sequent	Liquidambar styraciflua	12.5	1	_
146       Sequent         147       Sequent         148       Sequent         150       Liquid         151       Liquid         152       Liquid         153       Lirode         155       Lirode         156       Lirode         157       Lirode         158       Lirode         159       Lirode         160       Lirode         161       Liquid         162       Liquid         163       Liquid         164       Pinus         165       Pinus         166       Pinus         167       Pinus         168       Schin         169       Schin         170       Sequent	Liquidambar styraciflua	11.8	_	_
147       Sequent         148       Sequent         150       Liquid         151       Liquid         152       Liquid         153       Lirode         154       Lirode         155       Lirode         157       Lirode         158       Lirode         159       Lirode         160       Lirode         161       Liquid         162       Liquid         163       Liquid         164       Pinus         165       Pinus         166       Pinus         167       Pinus         168       Schin         170       Sequent	Sequoia sempervirens	13.5	1	_
148 Sequents 150 Liquid 151 Liquid 152 Liquid 153 Lirode 154 Lirode 155 Lirode 157 Lirode 157 Lirode 158 Lirode 159 Lirode 160 Lirode 161 Liquid 162 Liquid 162 Liquid 163 Liquid 164 Pinus 165 Pinus 166 Pinus 167 Pinus 168 Schin 169 Schin	Sequoia sempervirens	17.0	1	
150 Liquid 151 Liquid 152 Liquid 153 Liroda 154 Liroda 155 Liroda 156 Liroda 157 Liroda 158 Liroda 159 Liroda 160 Liroda 161 Liquid 162 Liquid 163 Liquid 164 Pinus 165 Pinus 166 Pinus 167 Pinus 168 Schin 169 Schin			I	
151 Liquid 152 Liquid 153 Liroda 154 Liroda 155 Liroda 156 Liroda 157 Liroda 158 Liroda 159 Liroda 160 Liroda 161 Liquid 162 Liquid 163 Liquid 164 Pinus 165 Pinus 166 Pinus 167 Pinus 168 Schin 169 Schin	Sequoia sempervirens	28.0	_	2
152 Liquid 153 Liroda 154 Liroda 155 Liroda 156 Liroda 157 Liroda 158 Liroda 159 Liroda 160 Liroda 161 Liquid 162 Liquid 163 Liquid 164 Pinus 165 Pinus 166 Pinus 167 Pinus 168 Schin 169 Schin	Liquidambar styraciflua	12.5	1	_
153 Lirode 154 Lirode 155 Lirode 156 Lirode 157 Lirode 158 Lirode 159 Lirode 160 Lirode 161 Liquic 162 Liquic 163 Liquic 164 Pinus 165 Pinus 166 Pinus 167 Pinus 168 Schin 169 Schin	Liquidambar styraciflua	11.0	_	_
154 Liroda 155 Liroda 156 Liroda 157 Liroda 158 Liroda 159 Liroda 160 Liroda 161 Liquid 162 Liquid 163 Liquid 164 Pinus 165 Pinus 166 Pinus 167 Pinus 168 Schin 169 Schin	Liquidambar styraciflua	10.0	_	_
155 Lirode 156 Lirode 157 Lirode 158 Lirode 159 Lirode 160 Lirode 161 Liquic 162 Liquic 163 Liquic 164 Pinus 165 Pinus 166 Pinus 167 Pinus 168 Schin 169 Schin	Lirodendron tulipifera	5.0	_	_
155 Lirode 156 Lirode 157 Lirode 158 Lirode 159 Lirode 160 Lirode 161 Liquic 162 Liquic 163 Liquic 164 Pinus 165 Pinus 166 Pinus 167 Pinus 168 Schin 169 Schin	Lirodendron tulipifera	4.3	_	_
156 Liroda 157 Liroda 158 Liroda 159 Liroda 160 Liroda 161 Liquid 162 Liquid 163 Liquid 164 Pinus 165 Pinus 166 Pinus 167 Pinus 168 Schin	Lirodendron tulipifera	3.0	_	_
157 Liroda 158 Liroda 159 Liroda 160 Liroda 161 Liquid 162 Liquid 163 Liquid 164 Pinus 165 Pinus 166 Pinus 167 Pinus 168 Schin	Lirodendron tulipifera	4.3	_	_
158 Liroda 159 Liroda 160 Liroda 161 Liquid 162 Liquid 163 Liquid 164 Pinus 165 Pinus 166 Pinus 167 Pinus 168 Schin	Lirodendron tulipifera	4.8		
159 Lirode 160 Lirode 161 Liquid 162 Liquid 163 Liquid 164 Pinus 165 Pinus 166 Pinus 167 Pinus 168 Schin 169 Schin	<u>'</u>		_	_
160 Lirodo 161 Liquio 162 Liquio 163 Liquio 164 Pinus 165 Pinus 166 Pinus 167 Pinus 168 Schin 169 Schin	Lirodendron tulipifera	4.3	_	_
161 Liquid 162 Liquid 163 Liquid 164 Pinus 165 Pinus 166 Pinus 167 Pinus 168 Schin 169 Schin	Lirodendron tulipifera	4.0	_	_
162 Liquid 163 Liquid 164 Pinus 165 Pinus 166 Pinus 167 Pinus 168 Schin 169 Schin	Lirodendron tulipifera	5.8	_	_
163 Liquid 164 Pinus 165 Pinus 166 Pinus 167 Pinus 168 Schin 169 Schin	Liquidambar styraciflua	11.3	_	
164       Pinus         165       Pinus         166       Pinus         167       Pinus         168       Schin         169       Schin         170       Seque	Liquidambar styraciflua	10.8	_	_
164       Pinus         165       Pinus         166       Pinus         167       Pinus         168       Schin         169       Schin         170       Seque	Liquidambar styraciflua	16.5	1	_
165       Pinus         166       Pinus         167       Pinus         168       Schin         169       Schin         170       Seque	Pinus canariensis	12.0	1	_
166       Pinus         167       Pinus         168       Schin         169       Schin         170       Seque	Pinus canariensis	9.0	_	_
167         Pinus           168         Schin           169         Schin           170         Seque	Pinus canariensis	9.0	_	_
168         Schin           169         Schin           170         Seque			1	
169 Schin 170 Seque	Pinus canariensis	13.5	1	_
170 Sequ	Schinus molle	15.0		_
., .	Schinus molle	17.5	1	_
171 Segue	Sequoia sempervirens	21	2	
171	Sequoia sempervirens	17	1	
172 Schin	Schinus molle	22.5	2	_
	Sequoia sempervirens	22	2	_
	Sequoia sempervirens	16.5	1	_
	Sequoia sempervirens	17	1	_
1/0 seda	acdaoia sciilhei Ail eils	1 /		
	TOTAL DEDLAGENER			
	TOTAL REPLACEMENT REQUIRED		91	36

PROTECTED TREES FOR REMOVAL

TREE SPECIES	POOR HEALTH	CONFLICTS WITH SITE PLAN( MODERATE/GOOD HEALTH)
Alnus rhombifolia	9	4
Fraxinus uhdel	1	7
Liquidambar styraciflua	9	13
Salix babylonica	1	0
Sequoia sempervirens	0	14
TOTAL	20	38

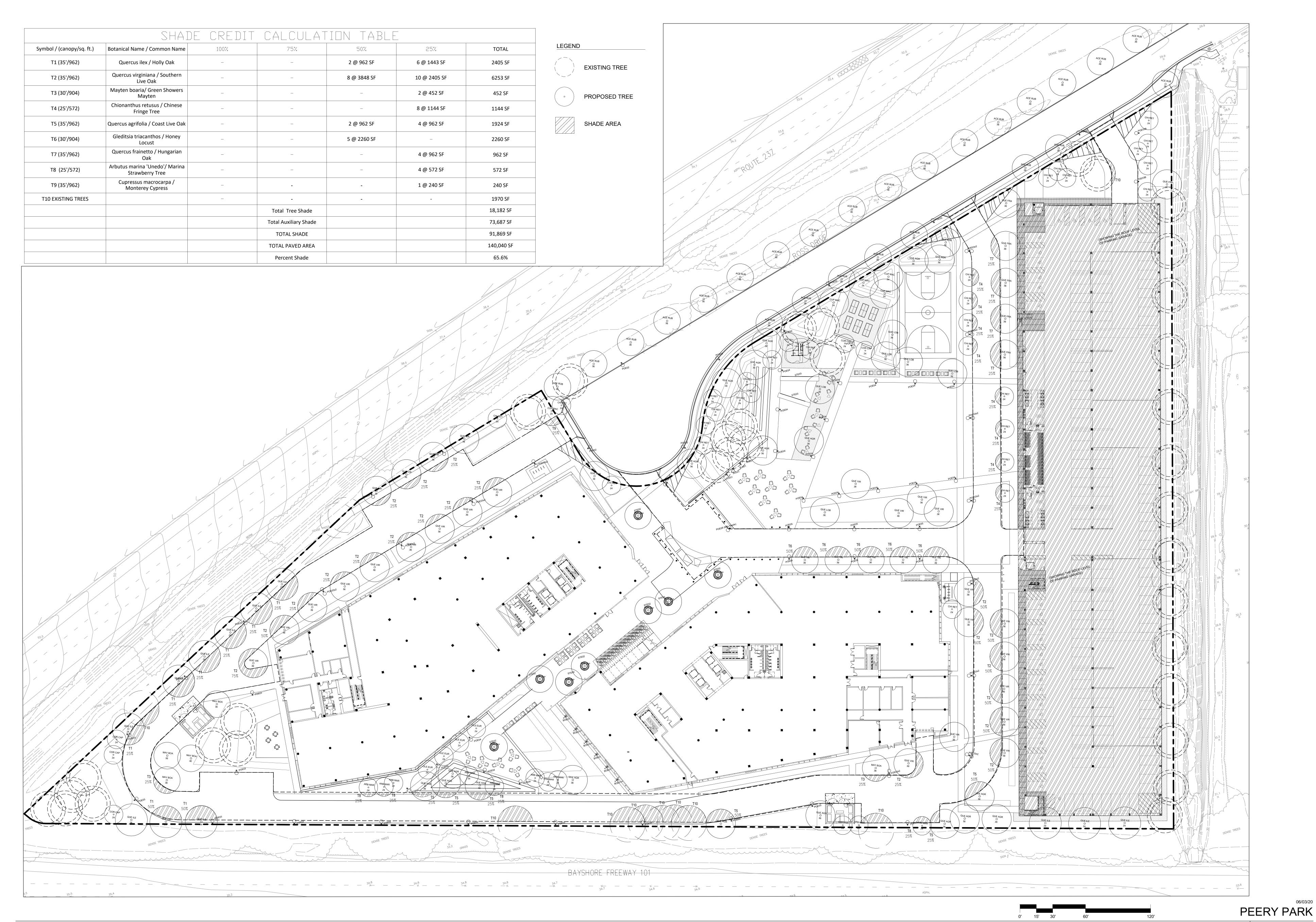
PROTECTION NOTES & GUIDELINES

SAN ANSELMO AVE. CA 94960

P 415.524.8517

03/05/20

PEERY PARK



WRNSSTUDIO

SYMBOL	S SCHEDULE - PEERY PARK STP  DESCRIPTION	PRODUCT/ITEM#	FINISH/COLOR	SOURCE/COMMENTS
	& HEADERS  ASPHALT	C C D	C C D	S.C.D
PV-1		S.C.D  1" MAX. FEATHER TROWEL SCORE	S.C.D  COLOR: NATURAL GREY	
PV-2	4" CONCRETE PAVING — PED (ON GRADE)	JOINT, TYP.	FINISH: CITY STANDARD	CITY STANDARDS
PV-2a	4" CONCRETE PAVING — PED (ON GRADE)	1" MAX. FEATHER TROWEL SCORE JOINT, TYP.	COLOR: T.B.D, FINISH: MEDIUM SAND BLAST	DAVIS
PV-3	6" CONCRETE PAVING - VEH	1" MAX. FEATHER TROWEL SCORE JOINT, TYP.  24"x24"x21", RANDOM RUNNING	COLOR: SANDSTONE FINISH: CITY STANDARD	DAVIS
PV-4	CONCRETE UNIT PAVER — PED	BOND, LARGE SCALE CALARCH, SAND SET BUTT JOINT W/ POLYMERIC SAND, TYP.	FIELD COLOR: PORCELAIN, #1413 SANDBLAST	STEPSTONE, INC
PV-5	CONCRETE UNIT PAVER — PED	6"x24"x2½", LARGE SCALE CALARCH W/ NARROW MOD ACCENT PAVERS, SAND SET BUTT JOINT W/ POLYMERIC SAND	FIELD COLOR: FRENCH GREY, #1404 SANDBLAST	STEPSTONE, INC
PV-5a	CONCRETE UNIT PAVER — VEH	3"X12"X4", CALARCH PAVER, SAND SET BUTT JOINT W/ POLYMERIC SAND	FIELD COLOR: FRENCH GREY, #1404 SANDBLAST	STEPSTONE, INC
PV-6	CONCRETE UNIT PAVER — PED. (ON PODIUM)	12"x48"x2½", STACK BOND, ADJUSTABLE PEDESTAL	FIELD COLOR: PORCELAIN, ADJUSTABLE PEDESTAL	PAVER: STEPSTONE, INC, PEDESTAL: BISON
PV-7	CONCRETE PAVER – VEH	4"x4" HOLLAND II, STACKED BOND, SAND SET, BUTT JOINT W/POLYMERIC SAND	FIELD COLOR: LIGHT GREY, FACEMIX, SHOT BLAST, GRIND W/ SLAG	ACKERSTONE, INC
PV-8	PAVER EDGE RESTRAINT — ON GRADE	3/16" x24" STRUCTURE EDGE (HEAVY DUTY)	MILL FINISH	PERMALOC
PV-8a	PAVER EDGE RESTRAINT — ON PODIUM	4.5"x4.5" GEOEDGE W/ CLEANLINE EXTENDER	MILL FINISH	PERMALOC
PV-9	LANDSCAPE HEADER	3/16"×4" CLEANLINE	MILL FINISH	PERMALOC
PV-11	TRUNCATED DOME PAVER	12"X12"X6CM	TRUNCATED DOME PAVER STACKED BOND, CHARCOAL GREY	ACKERSTONE
PV-13	DECOMPOSED GRANITE W/ GRANITECRETE	1" CLEAN DG, GOLD	MONTEREY GOLD	SBI MATERIALS, MICK WELLS
PV-14	SYNTHETIC TURF	4800 TEXTURIZED POLYETHYLENE, FIELD GREEN & BEIGE	_	PROGREEN
PV-15	BOARDWALK, LINEAR DECKS	STAINLESS STEEL	_	CUSTOM
PV-16	SLATE CHIP	SIZE: 3-7" DIA	COLOR: CHARCOAL GREY	LYNGSO
PV-17	BOARDWALK, LINEAR DECKS	_	FSE IPE WOOD BOARDS	CUSTOM
PV-18	FSC IPE WOOD TILE PAVER - PED. (ON PODIUM)	2'x4' IPE TILE W/ ADJUSTABLE PEDESTALS	FSE IPE WOOD BOARDS	BISON
SYMBOL	DESCRIPTION	PRODUCT/ITEM#	FINISH/COLOR	SOURCE/COMMENTS
	WALL, FENCE & CURB		0.00	OUTV CTANDADDC
W-1	6" CONCRETE CURB	S.C.D.	S.C.D.	CITY STANDARDS
W-2 W-3	12" WIDE CONCRETE BAND-VEH.  FREESTANDING SITE WALL-TYPE 1	P.I.P. CONCRETE, BEVELED  P.I.P. REINFORCED CONCRETE,	MEDIUM SAND BLAST  COLOR: CHARCOAL GREY, FINISH: LIGHT SAND	NATURAL GREY  DAVIS COLORS
		RECESSED LIGHTING, P.I.P. REINFORCED CONCRETE,	BLAST COLOR: CHARCOAL GREY,	
W-4	RETAINING SITE WALL—TYPE 1	RECESSED LIGHTING  P.I.P. REINFORCED CONCRETE,	FINISH: LIGHT SAND BLAST COLOR: CHARCOAL GREY,	DAVIS COLORS
W-5	SEAT WALL	RECESSED LIGHTING, WOOD INLAYS	FINISH: LIGHT SAND BLAST COLOR: CHARCOAL GREY,	DAVIS COLORS
W-6	VEHICULAR SPEED TABLE	P.I.P. REINFORCED CONCRETE, VEHICLE RATED	FINISH: LIGHT SAND BLAST COLOR: CHARCOAL GREY,	DAVIS COLORS
W-7	AMPHITHEATER STAIR— 1 ROW W/ RECESSED LIGHT FIXTURES	P.I.P. REINFORCED CONCRETE, RECESSED LIGHTING, WOOD INLAYS	FINISH: LIGHT SAND BLAST	DAVIS COLORS
W-8	GREEN WALL	FRAMEWORK: TOURNESOL, PLANT SELECTION T.B.D	TBD	TOURNESOL
W-9	EXTERIOR FIREPLACE	P.I.P INTEGRAL COLORED CONCRETE W/ GAS INSERT	FINISH: BOARD FORM, 2" WIDE	CUSTOM FABRICATION
W-10	RETAINING WALL (ON PODIUM)	P.I.P. REINFORCED CONCRETE, RECESSED LIGHTING	COLOR: DARK GREY, FINISH: BOARD FORM, 2" WIDE	DAVIS COLORS
SYMBOL SITE FU	DESCRIPTION	PRODUCT/ITEM#	FINISH/COLOR	SOURCE/COMMENTS
SF-1	BENCH	ESCOFET LEVIT BENCH	TBD	LANDSCAPE FORMS
SF-2	LOUNGE SIDE TABLE-TYPE 1	KAAT COFFEE TABLE MEDIUM- MG2902	TBD	MAMAGREEN
SF-2a	LOUNGE CHAIR-TYPE 1	KAAT 1-SEATER	TBD	MAMAGREEN
SF-3	DINING TABLE	TBD	TBD	TBD
SF-3a	DINING CHAIR	TBD	TBD	TBD
SF-4a	SECTIONAL/COFFEE TABLE  SECTIONAL SEATING	TBD TBD	TBD	TBD TBD
SF-4a	BISTRO TABLE & CHAIR	PARC CENTRE, 30" ROUND TABLE,	METALLIC SILVER	LANDSCAPE FORMS
SF-6	LITTER + RECYCLE RECEPTACLE	PARC CENTRE CHAIR  TBD	TBD	TBD
SF-7	PUBLIC ART SCULPTURE	LBD LBD	LBD	LBD
SF-8	MULTI-SPORTS COURT	TBD	TBD	TBD
SF-9	BOLLARD — FIXED	36"H X 6" DIA. #SSF06080 FIXED	6" DIA. 316 STAINLESS STEEL. POLISHED STAINLESS STEEL #4 FINISH, FLAT CAP	CALPIPE SECURITY BOLLARI
31 -9		CEDAD CIDUCTURE CORUED WIDE	·	CUCTOM
SF-10	POTAGER	CEDAR STRUCTURE, GOPHER WIRE	TBD	CUSTOM
	POTAGER  BIKE RACKS	BASE BOLA	STAINLESS STEEL	LANDSCAPE FORMS
SF-10		BASE		

SF-15	LOUNGE CHAIR—TYPE 2	TBD		LADDOFT
SF-16	OUTDOOR SPORTS EQUIPMENT	TBD		LAPPSET
SF-17	BARSTOOLS & BAR TABLE-TYPE 1	TBD		_
F-17a	BARSTOOLS & BAR TABLE-TYPE 2	TBD		_
SF-18	FARMSTYLE TABLE	TBD		_
SF-19	RECTANGULAR PLANTER-TYPE 1	TBD		ORE CONTAINER
F-20	RECTANGULAR PLANTER-TYPE 2	TBD		STREET LIFE
SF-21	MODULAR IPE SEATING	TBD		STREET LIFE
F-22	BOCCE COURT	IPE WOOD BUMPERS AND FRAMEWORK W/ RECESSED ATTACHMENTS & WOOD PLUGS	IPE WOOD	CUSTOM
/MB0L	DESCRIPTION	PRODUCT/ITEM#	FINISH/COLOR	SOURCE/COMMENTS
UNTAI F-1	N FOUNTAIN BASIN	P.I.P. INTEGRAL COLORED CONCRETE	SEE PLAN	_
		W/ XIPEX & LYNGSO SLATE CHIP		
F-2	FOUNTAIN SCUPPERS	STAINLESS STEEL SCUPPES	SEE PLAN	_
/MBOL	DESCRIPTION	PRODUCT/ITEM#	FINISH/COLOR	SOURCE/COMMENTS
AINAC	E E	,		
D-1	BIOFILTRATION	S.C.D. FOR DRAINAGE PLANS	_	_
YMBOL SHTIN(	DESCRIPTION	PRODUCT/ITEM#	FINISH/COLOR	SOURCE/COMMENTS
L-1	POLE LIGHT — PEDESTRIAN	S.E.D., REFER TO POE04	_	_
L-2	POLE LIGHT - VEHICULAR (SYMMETRICAL)	S.E.D., REFER TO POE03X2	_	_
L-2a	POLE LIGHT - VEHICULAR (ASYMMETRICAL)	S.E.D., REFER TO POE03	_	_
L-2b	POLE LIGHT - VEHICULAR (ASYMMETRICAL)	S.E.D., REFER TO POE02	_	_
L-2c	POLE LIGHT - VEHICULAR (ASYMMETRICAL)	S.E.D., REFER TO POE03B	_	_
L-2d	POLE LIGHT - VEHICULAR (ASYMMETRICAL)	S.E.D., REFER TO POE05	_	_
L-2e	POLE LIGHT - VEHICULAR (6-HEADS)	S.E.D., REFER TO POE06	_	_
L-3	RECESSED WALL LIGHT	S.E.D., REFER TO SLE01	_	_
L-4	STRIP LIGHT	S.E.D., REFER TO STE02	_	_
L-5	BOLLARD - LIGHTED	S.E.D., REFER TO BOE01	_	_
L-6	STRIP LIGHT	S.E.D., REFER TO STE03	_	_
/MB0L	DESCRIPTION	PRODUCT/ITEM#	FINISH/COLOR	SOURCE/COMMENTS
SC.				

PLANT LIST — PEERY PARK STP

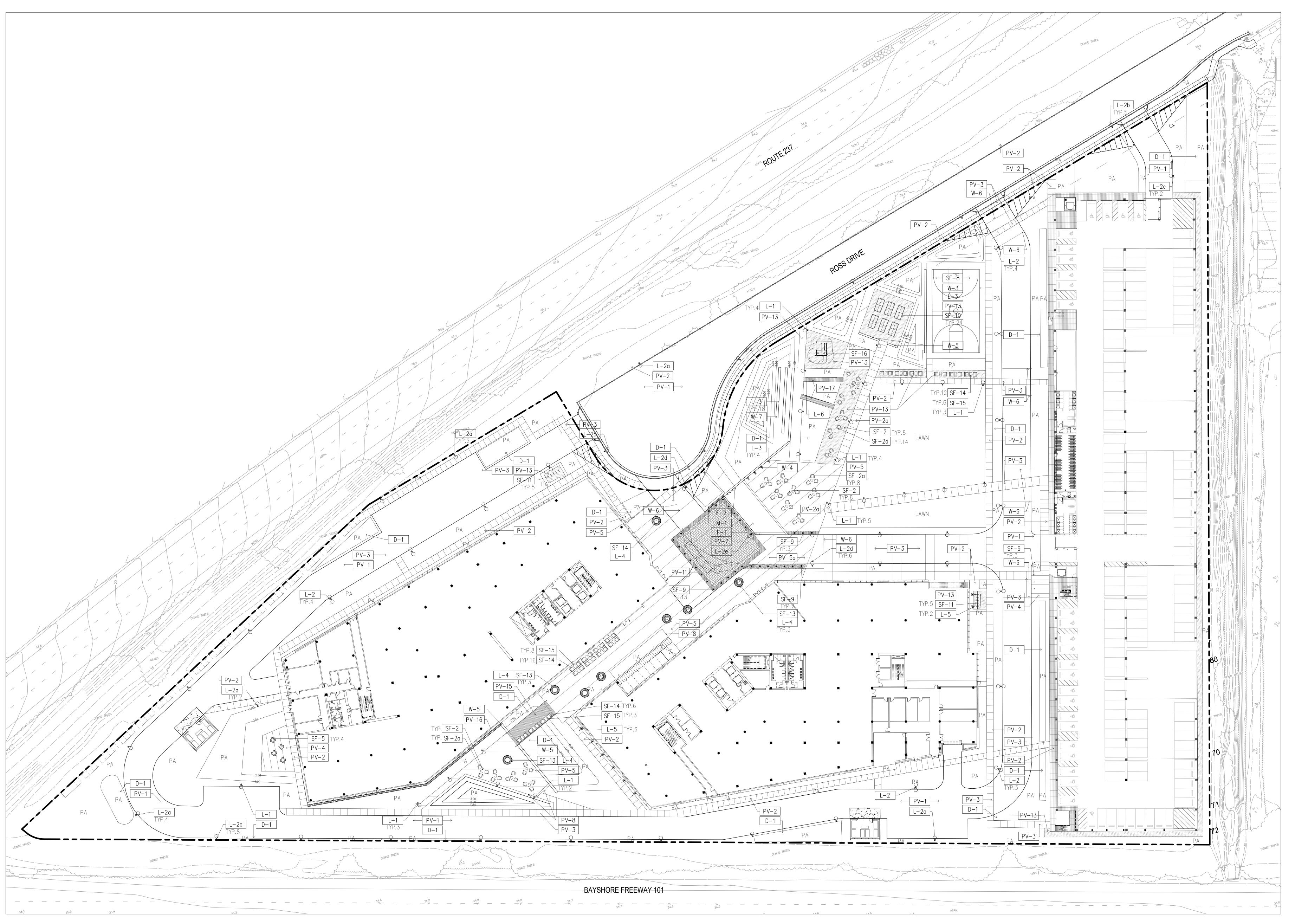
PLANI	L151 —	PEERY PARK SIP				
SIZE	ID	BOTANICAL NAME	COMMON NAME	COMMENT	SPACIN G	WUCOL
TREES	,					
24" Box	COR CAP	Cornus capitata 'Mountain Moon'	Evergreen Dogwood		As shown	М
24" Box	CHI RET	Chionanthus retusus	Chinese Fringe Tree		As shown	М
24" Box	CUP MAC	Cupressus macrocarpa	Monterey Cypress		As shown	М
24" Box	ARB MAR	Arbutus 'Marina'	Marina Strawberry Tree		As shown	L
36" Box	ACE JAP	Acer palmatum	Japanese Maple Tree		As shown	М
36" Box	ACE RUB	Acer rubrum	Red Maple		As shown	M
36" Box	GLE TRI	Gleditsia triacanthos	Honey Locust		As shown	L
24" Box	OLE EUR	Olea europaea	Olive Tree		As shown	VL
36" Box	MAY BOA	Mayten boaria 'Green Showers'	Green Showers Mayten		As shown	M
48" Box	QUE AGR	Quercus agrifolia	Coast Live Oak		As shown	L
36" Box	QUE FRA	Quercus frainetto	Hungarian Oak		As shown	L
36" Box	QUE LOB	Quercus Iobata	Valley Oak		As shown	L
24" Box	QUE VIR	Quercus virginiana 'standard'	Southern Live Oak		As shown	M
36" Box	QUE ILE	Quercus ilex	Holly Oak		As shown	L
					SPACIN	
SIZE	ID	BOTANICAL NAME	COMMON NAME	COMMENT	G	WUCOL
SHRUE	S. PFR	RENNIALS, & SUCCULANTS				
1 Gal	AEO AEO	Aeonium spp.	Aeonium		As shown	
15 Gal	ARB MAR	Arbutus unedo compacta	Dwarf Strawberry Tree		As shown	L
5 Gal	ARS	Arctostaphylos 'Sunset'	Manzanita		As shown	VL
5 Gal	AM	Achillea millefolium	Yarrow - White		As shown	L
5 Gal	ALO	Aloe arborescens	Aloe		As shown	L
5 Gal	AUC	Arbutus unedo 'Compacta'	Dwarf strawberry tree		As shown	L
1 Gal	BF	Bulbine frutiscens	Bulbine		As shown	L
5 Gal	CJC	Ceanothus 'Joyce Coultor'	Joyce Coulter Ceanothus		As shown	L
5 Gal	CSF	Cistus 'Snowfire'	Snowfire Rockrose		As shown	L
5 Gal	СТН	Ceanothus thyrsiflorus 'Snow Flurry'	Snow Flurry Ceanothus		As shown	L
5 Gal	ECH	Echinacea spp.	Coneflower		As shown	M
1 Gal	GL	Gaura lindheimeri	Gaura		As shown	L
5 Gal	HM	Heuchera maxima	Island Alum Root		As shown	 M
5 Gal	HQP	Hydrangea quercifolia 'Pee Wee'	Pee Wee Oak Leaf			
			Hydrangea		As shown	M 
1 Gal	LEV	Leucanthemum vulgare	Oxeye Daisy		As shown	L
5 Gal	LS	Liatris spicata	Gayfeather		As shown	М
5 Gal	OEL	Olea europaea 'Little Ollie'	Dwarf Olive Shrub		As shown	VL
5 Gal	OST	Osteospermum spp.	African Daisy		As shown	L
1 Gal	PMB	Penstemon heterophylus 'Margarite'			As shown	М
5 Gal	PCN	Pittosporum crassifolium 'Nana'	Dwarf Karo		As shown	М
5 Gal	PIB	Podocarpus elongatus 'Monmal'	Icee Blue Podocarpus		As shown	М
5 Gal	PL	Prunus laurocerausus	English Laurel		As shown	М
5 Gal	PCB	Prunus caroliiniana 'Bright & Tight'	Cherry Laurel		As shown	М
5 Gal	R0	Rosemary officinalis 'Tuscan Blue'	Upright Rosemary		As shown	L
5 Gal	RUH	Rudbeckia hirta	Blackeyed Susan		As shown	М
5 Gal	SGA	Salvia greggii 'Alba'	Texas White Sage		As shown	L
5 Gal	VB	Verbena bonariensis	Purple Top Verbena		As shown	L
5 Gal	VL	Verbena lilacina 'De Le Mina'	Purple Cedros Island Verbena		As shown	L
5 Gal	YG	Yucca gloriosa 'multi'	Spanish bayonet		As shown	L
5 Gal	MCC	Myrtus communis 'compacta'	Myrtle		As shown	М
	1		1			

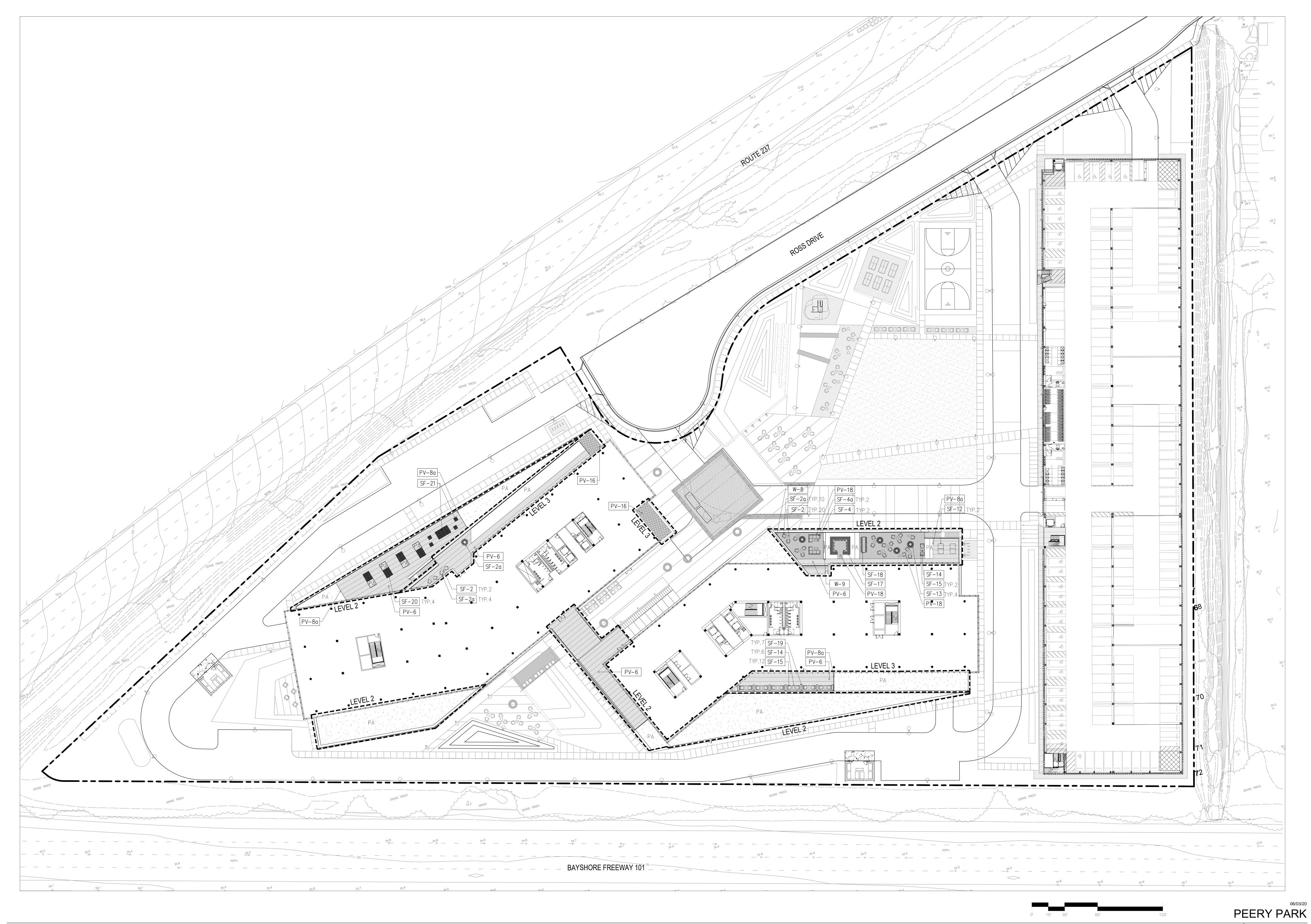
SIZE	ID	BOTANICAL NAME	COMMON NAME	COMMENT	SPACIN G	WUCOL
ORNAN	MENTAL	GRASSES, RUSHES, GROU	JNDCOVER, VINES	I		
1 Gal	BPP	Baccharis pilularis 'Pigeon Point'	Coyote Brush		30" O.C.	L
5 Gal	CAS	Calandrinia spectabilis	Rock Purslane		30" O.C.	VL
1 Gal	CHT	Chondropetalum tectorum	Cape Reed		18" O.C.	L
4" Pot	СР	Carex pansa	Dune Sedge		18" O.C.	М
4" Pot	СТ	Carex tumulicola	Berkeley Sedge		30" O.C.	М
1 Gal	CGH	Ceanothus griseus var. horizontalis 'Yankee Point'	Yankee Point California Lilac		36" O.C.	VL
1 Gal	DV	Dietes vegeta	Fortnight Lily		30" O.C.	L
1 Gal	DR	Dianella revoluta	Flax lily		24" O.C.	L
1 Gal	EK	Erigeron karvinskianus	Fleabane		36" O.C.	L
1 Gal	FP	Ficus pumila	Fig vine		as shown	
1 Gal	LMW	Liriope muscari 'Monrow White'	Liriope		36" O.C.	М
1 Gal	HS	Helictotrichon sempervirens	Blue Oat Grass		18" O.C.	L
1 Gal	LCC	Leymus condensatus 'Canyon Prince'	Giant Wild Rye		24" O.C.	VL
1 Gal	LLB	Lomondra longifolia 'Breeze	Dwarf Mat Rush		24" O.C.	L
4" Pot	LTL	Leymus triticoides 'Lagunita'	Lagunita Wild Rye		18" O.C.	L
5 Gal	NF	Nephrolepis cordifolia	Southern Sword Fern		36" O.C.	М
1 Gal	PS	Pennisetum spathiolatum	Slender Veldt Grass		24" O.C.	М
1 Gal	PJ	Pandorea jasminoides 'Alba'	Bower Vine		as shown	М
1 Gal	PFT	Pennisetum s. 'Fairy Tales'	Fairy Tales pennisetum		24" O.C.	М
4" Pot	SA	Seslaria autumnalis	Autumn Moor Grass		18" O.C.	М
1 Gal	SBB	Salvia 'Bee Bliss'	Creeping Salvia		24" O.C.	L
1 Gal	SM	Senecio manadraliscae	Blue Finger		24" O.C.	L

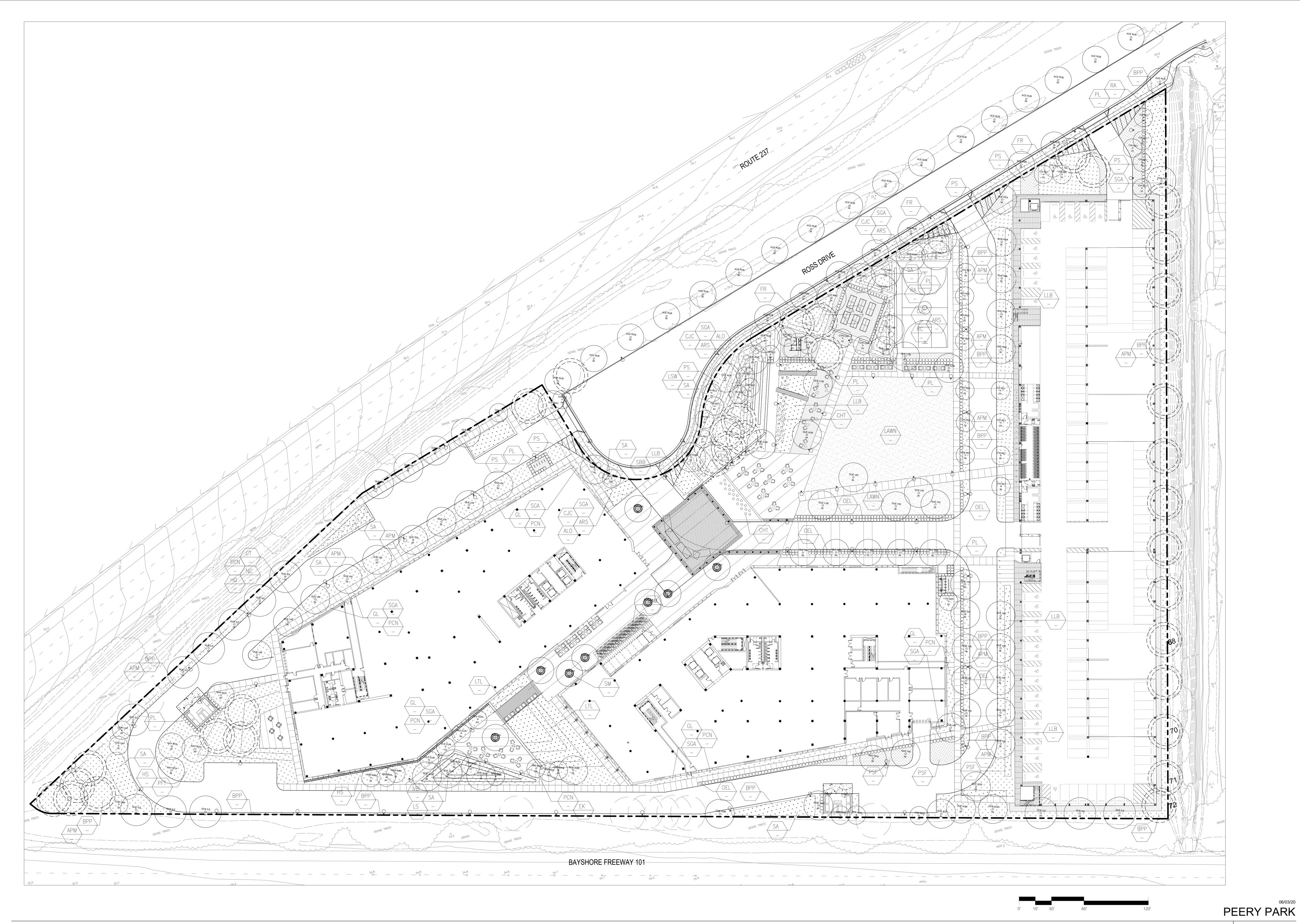
LAWN
(TURF)

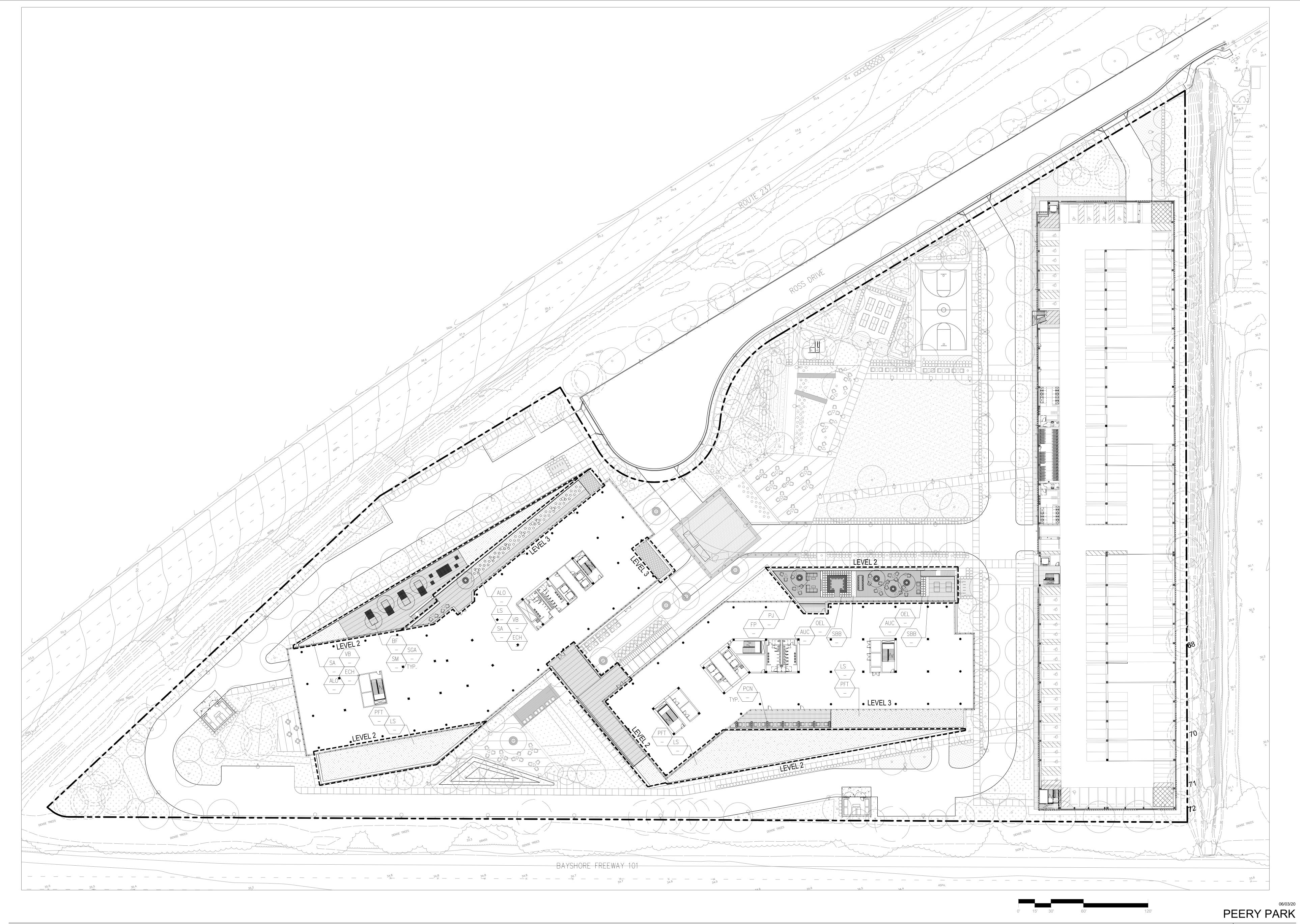
HYDROSEED- Festuca rubra 'no-mow'

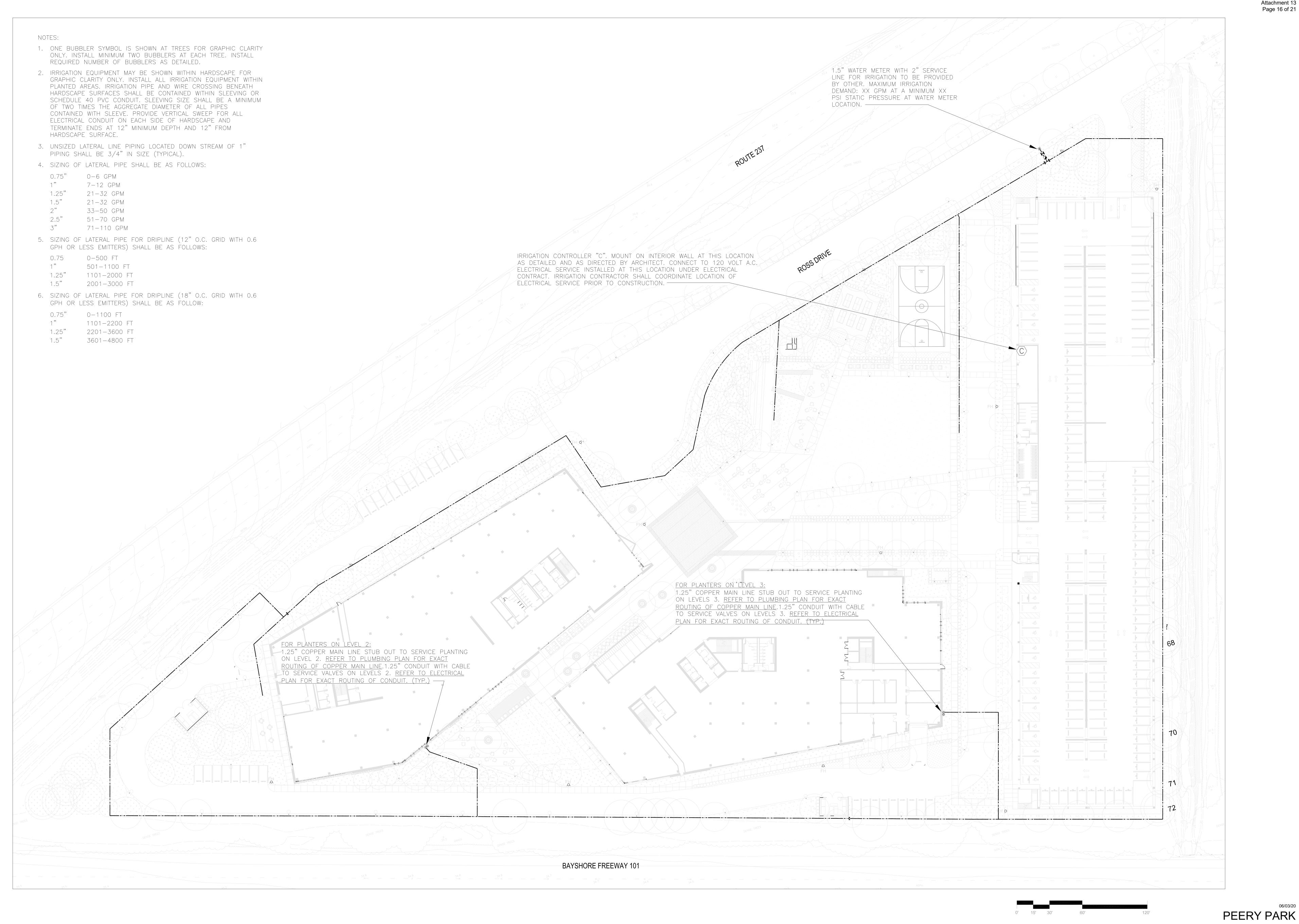
PEERY PARK

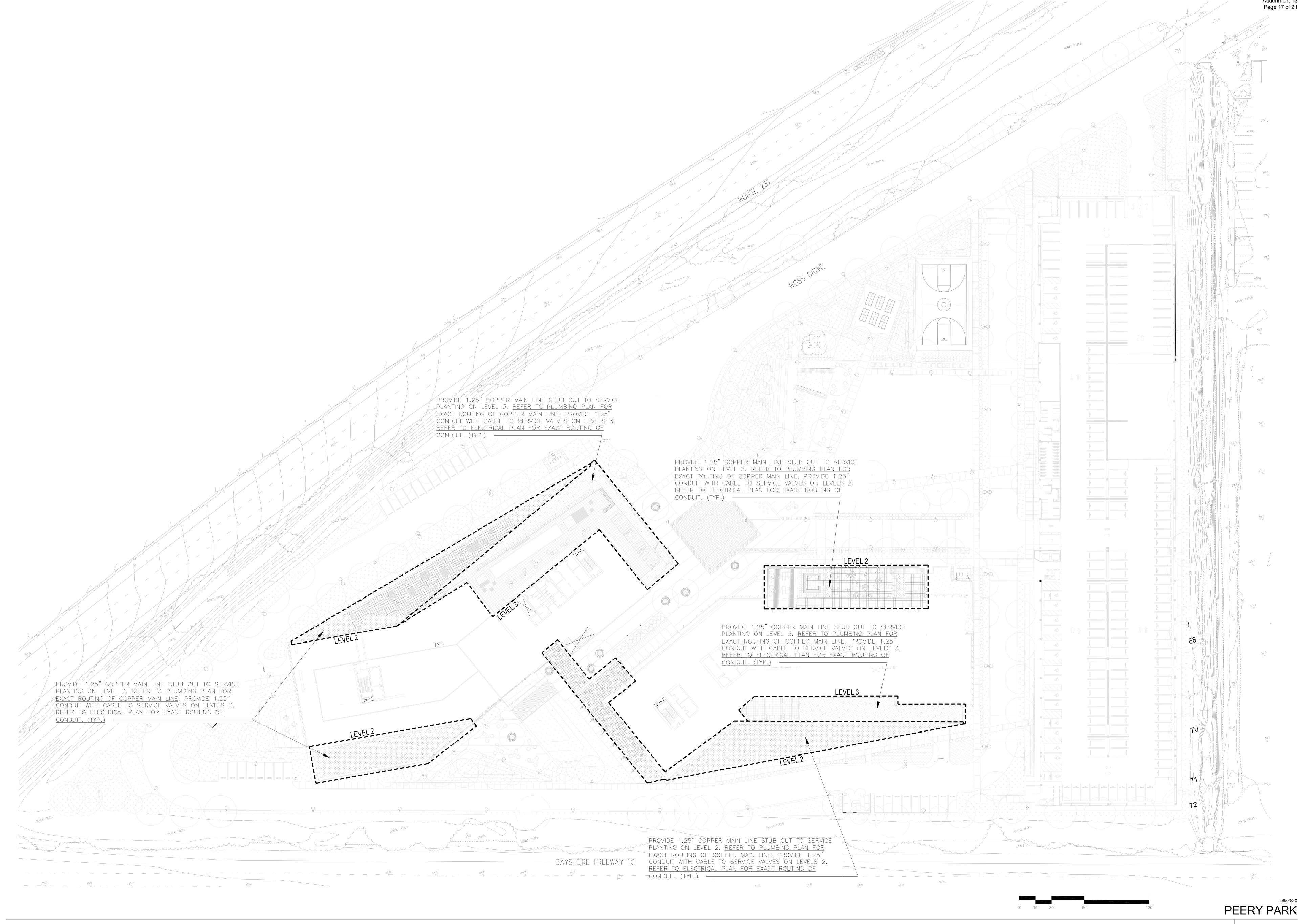












# IRRIGATION NOTES

- 1. THESE IRRIGATION DRAWINGS ARE DIAGRAMMATIC AND INDICATIVE OF THE WORK TO BE INSTALLED. ALL PIPING, VALVES, AND OTHER IRRIGATION COMPONENTS MAY BE SHOWN WITHIN PAVED AREAS FOR GRAPHIC CLARITY ONLY AND ARE TO BE INSTALLED WITHIN PLANTING AREAS. DUE TO THE SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, SLEEVES, CONDUIT, AND OTHER ITEMS WHICH MAY BE REQUIRED. INVESTIGATE THE STRUCTURAL AND FINISHED CONDITION AFFECTING THE CONTRACT WORK INCLUDING OBSTRUCTIONS, GRADE DIFFERENCES OR AREA DIMENSIONAL DIFFERENCES. IN THE EVENT OF FIELD DISCREPANCY WITH CONTRACT DOCUMENTS, PLAN THE INSTALLATION WORK ACCORDINGLY BY NOTIFICATION AND APPROVAL OF THE OWNER'S AUTHORIZED REPRESENTATIVE AND ACCORDING TO THE CONTRACT SPECIFICATIONS. NOTIFY AND COORDINATE IRRIGATION CONTRACT WORK WITH APPLICABLE CONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE, CONDUIT OR SLEEVES THROUGH OR UNDER WALLS, ROADWAYS, PAVING AND STRUCTURES BEFORE CONSTRUCTION. IN THE EVENT THESE NOTIFICATIONS ARE NOT PERFORMED, THE CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR REQUIRED REVISIONS.
- 2. THE INTENT OF THIS IRRIGATION SYSTEM IS TO PROVIDE THE MINIMUM AMOUNT OF WATER REQUIRED TO SUSTAIN GOOD PLANT HEALTH.
- 3. IT IS THE RESPONSIBILITY OF THE MAINTENANCE CONTRACTOR AND/OR OWNER TO PROGRAM THE IRRIGATION CONTROLLER(S) TO PROVIDE THE MINIMUM AMOUNT OF WATER NEEDED TO SUSTAIN GOOD PLANT HEALTH. THIS INCLUDES MAKING ADJUSTMENTS TO THE PROGRAM FOR SEASONAL WEATHER CHANGES, PLANT MATERIAL, WATER REQUIREMENTS, MOUNDS, SLOPES, SUN, SHADE AND WIND EXPOSURE.
- 4. IT IS THE RESPONSIBILITY OF A LICENSED ELECTRICAL CONTRACTOR TO PROVIDE 120 VOLT A.C. (2.5 AMP) DEMAND PER CONTROLLER) ELECTRICAL SERVICE TO THE CONTROLLER LOCATION(S). IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO COORDINATE THE ELECTRICAL SERVICE STUB-OUT TO THE CONTROLLER(S). PROVIDE PROPER GROUNDING PER CONTROLLER MANUFACTURER'S INSTRUCTIONS AND IN ACCORDANCE WITH LOCAL CODES.
- 5. PROVIDE EACH CONTROLLER WITH ITS OWN GROUND ROD. SEPARATE THE GROUND RODS BY A MINIMUM OF EIGHT FEET. THE GROUND ROD SHALL BE AN EIGHT FOOT LONG BY 5/8" DIAMETER U.L. APPROVED COPPER CLAD ROD. INSTALL NO MORE THAN 6" OF THE GROUND ROD ABOVE FINISH GRADE. CONNECT #6 GAUGE WIRE WITH A U.L. APPROVED GROUND ROD CLAMP TO ROD AND BACK TO GROUND SCREW AT BASE OF CONTROLLER WITH APPROPRIATE CONNECTOR. MAKE THIS WIRE AS SHORT AS POSSIBLE, AVOIDING KINKS OR BENDING.
- 6. SCHEDULE A MEETING WHICH INCLUDES REPRESENTATIVES OF THE IRRIGATION CONTROLLER MANUFACTURER, THE MAINTENANCE CONTRACTOR, THE OWNER AND THE IRRIGATION CONTRACTOR AT THE SITE FOR INSTRUCTION ON THE PROPER PROGRAMMING AND OPERATION OF THE IRRIGATION CONTROLLER.
- 7. THIS IRRIGATION SYSTEM IS DESIGNED TO ALLOW UP TO 8 VALVES TO OPERATE AT THE SAME TIME. DO NOT UNDER ANY CIRCUMSTANCE EXCEED 180 GPM AT THE SAME TIME.
- 8. INSTALL 2-WIRE CABLE ALONG THE MAIN LINE. CONTACT CONTROLLER REPRESENTATIVE FOR A PRE-CONSTRUCTION MEETING.
- 9. IRRIGATION CONTROL WIRES: SOLID COPPER WITH U.L. APPROVAL FOR DIRECT BURIAL IN GROUND. SIZE #14AWG WIRE WITH A JACKETED 2—CONDUCTOR. PREFERRED WIRE MAKE AND MODEL IS THE PAIGE IRRIGATION WIRE, SPEC P7350D. ALL SPLICING SHALL BE MADE WITH 3-M DBR/Y-6 WATERPROOF SPLICE
- 10. DECODER GROUNDING SHALL BE PROVIDED EVERY 600 FEET AND ANY SPUR OVER 50 FEET AND AT THE ENDS OF COMMUNICATION WIRE PATHS). GROUND WITH A 8' GROUNDING ROD. INCLUDE A SURGE ARRESTOR AT EACH GROUNDING LOCATION. A SPLIT BOLT CONNECTION TO BE USED TO CONNECT THE SURGE DEVICE TO THE GROUND WIRE WITH A DBR/Y-6 WATERPROOF CONNECTOR.
- 11. SPLICING OF JACKETED 2-WIRE IS PERMITTED IN VALVE BOXES ONLY. LEAVE A 36" LONG COIL OF WIRE AT EACH SPLICE AND A 36" LONG EXPANSION LOOP EVERY 100 FEET ALONG WIRE RUN.
- 12. INSTALL BLACK PLASTIC VALVE BOXES WITH BOLT DOWN, NON HINGED COVER MARKED "IRRIGATION". BOX BODY SHALL HAVE KNOCK OUTS. ACCEPTABLE VALVE BOX MANUFACTURER'S INCLUDE NDS, CARSON OR APPROVED EQUAL.
- 13. INSTALL REMOTE CONTROL VALVE BOXES 12" FROM WALK, CURB, BUILDING OR LANDSCAPE FEATURE. AT MULTIPLE VALVE BOX GROUPS, INSTALL EACH BOX AN EQUAL DISTANCE FROM THE WALK, CURB, BUILDING OR LANDSCAPE FEATURE AND PROVIDE 12" BETWEEN BOX TOPS. ALIGN THE SHORT SIDE OF RECTANGULAR VALVE BOXES PARALLEL TO WALK, CURB, BUILDING OR LANDSCAPE FEATURE.
- 14. VALVE LOCATIONS SHOWN ARE DIAGRAMMATIC. INSTALL

- IN GROUND COVER/SHRUB AREAS (NOT IN LAWN
- 15. THE REMOTE CONTROL VALVES SPECIFIED ON THE DRAWINGS IS A PRESSURE REDUCING TYPE. SET THE DISCHARGE PRESSURE AS FOLLOWS:
- SPRAY HEADS=40 PSI
- ROTARY HEADS=60 PSI
- DRIP EMITTERS=35 PSI D. BUBBLERS= 30 PSI
- 16. FLUSH AND ADJUST IRRIGATION OUTLETS AND NOZZLES FOR OPTIMUM PERFORMANCE AND TO PREVENT OVER SPRAY ONTO WALKS, ROADWAYS, AND/OR BUILDINGS. SELECT THE BEST DEGREE OF THE ARC AND RADIUS TO FIT THE EXISTING SITE CONDITIONS AND THROTTLE THE FLOW CONTROL AT EACH VALVE TO OBTAIN THE OPTIMUM OPERATING PRESSURE FOR EACH CONTROL ZONE.
- 17. SET SPRINKLER HEADS PERPENDICULAR TO FINISH GRADE.
- 18. LOCATE EMITTER OUTLETS ON UPHILL SIDE OF PLANT OR TREE.
- 19. LOCATE BUBBLERS ON UPHILL SIDE OF PLANT OR TREE.
- 20. INSTALL A HUNTER HCV SERIES, KBI CV SERIES, OR APPROVED EQUAL SPRING LOADED CHECK VALVE IN SPRINKLER RISER ASSEMBLIES WHERE LOW OUTLET DRAINAGE WILL CAUSE EROSION AND/OR EXCESS WATER.
- 21. WHERE IT IS NECESSARY TO EXCAVATE ADJACENT TO EXISTING TREES, USE CAUTION TO AVOID INJURY TO TREES AND TREE ROOTS. EXCAVATE BY HAND IN AREAS WHERE TWO (2) INCH AND LARGER ROOTS OCCUR. BACK FILL TRENCHES ADJACENT TO TREE WITHIN TWENTY-FOUR (24) HOURS. WHERE THIS IS NOT POSSIBLE, SHADE THE SIDE OF THE TRENCH ADJACENT TO THE TREE WITH WET BURLAP OR CANVAS.
- 22. NOTIFY LOCAL JURISDICTIONS FOR INSPECTION AND TESTING OF INSTALLED BACKFLOW PREVENTION DEVICE.
- 23. THE SPRINKLER SYSTEM DESIGN IS BASED ON THE MINIMUM OPERATING PRESSURE SHOWN ON THE IRRIGATION DRAWINGS. VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION. REPORT ANY DIFFERENCE BETWEEN THE WATER PRESSURE INDICATED ON THE DRAWINGS AND THE ACTUAL PRESSURE READING AT THE IRRIGATION POINT OF CONNECTION TO THE OWNER'S AUTHORIZED REPRESENTATIVE.
- 24. IRRIGATION DEMAND: REFER TO PLANS.
- 25. PIPE SIZING SHOWN ON THE DRAWINGS IS TYPICAL. AS CHANGES IN LAYOUT OCCUR DURING STAKING AND CONSTRUCTION THE SIZE MAY NEED TO BE ADJUSTED ACCORDINGLY.
- 26. PIPE THREAD SEALANT COMPOUND SHALL BE RECTOR SEAL #5.
- 27. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR MINOR CHANGES IN THE IRRIGATION LAYOUT DUE TO OBSTRUCTIONS NOT SHOWN ON THE IRRIGATION DRAWINGS SUCH AS LIGHTS, FIRE HYDRANTS, SIGNS, ELECTRICAL ENCLOSURES, ETC.
- 28. WHEN WORK OF THIS SECTION HAS BEEN COMPLETED AND SUCH OTHER TIMES AS MAY BE DIRECTED, REMOVE ALL TRASH, DEBRIS, SURPLUS MATERIALS AND EQUIPMENT FROM SITE.
- 29. CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLEMENTAL HAND WATERING OF ALL PLANT MATERIAL WITHIN DRIPLINE AREAS UNTIL THE PLANTS ARE SUFFICIENTLY ESTABLISHED.
- 30. VERIFY LOCATIONS OF ALL IRRIGATION COMPONENTS INSTALLED WITHIN A VALVE BOX WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. DO NOT INSTALL UNTIL LANDSCAPE ARCHITECT PROVIDES ACCEPTABLE LOCATIONS.

#### WATER USE CALCULATIONS

#### WATER USE ESTIMATION

WATER TYPE POTABLE SITE ETC= 45.3

REGULAR LANDSCAPI	GULAR LANDSCAPÉ AREAS											
HYDROZONE #	HYDROZONE NAME	PLANT WATER USE TYPE	PLANT FACTOR (PF)		IRRIGATION EFFICIENCY	ETAE (DENE)	AREA (SQ. FT) (HA)	ETAF X AREA (HA)	ETWU (GAL/YR)	ACRE PEET/ YEAR	HCF/ YEAR	PERCENTAGE OF LANDSCAPE
1	BIORETENTON	MOD	ช.ธ	ORP	0.81	0.617	13,543	8,360	234 795	0.72	343.90	11%
2	SHRUBS	LOW	0.3	OR:P	(1.81	0.370	76,958	28,503	890 <b>5</b> 34	246	1,670.23	<del>65</del> %
3	SMRUBS	MOD	0.5	DRP	0.81	08:7	13.382	8,250	232 004	0.71	310,17	11%
4	LAWN	- HXCH	0.8	SFRAY	9.75	F.967	14,546	15,516	435 775	1.34	582.59	12%
			······································			TOTALS	118,429	80,639	1,703,109	5.23	2,278.88	100%

SPECIAL LANDSCAPE AREAS HYDROZONE NAME HYDROZONE # LAWN 14,546 12% TOTALS 14,546 12%

	GALLONSIYR	1,721,485
MAWA _	ACRE FEET/YR	5, 28
	HCF/YR	2,301.45
		1,703,109

ACRE FEET/YR

HCF/YR

5.23

2,276.66

SITE IRRIGATION EFFICIENCY	SITE PLANT FACTOR	MAWA COMPLIANT
80.3%	Ø. <b>4</b> 1	YES

	Calculations
REGULAR LANDSC	APE AREAS
TOTAL ETAF x AREA	60,639
TOTAL AREA	118,429
AVG. ETAF	51.20%

MAWA FORMULA	
MAXIMUM APPLIED WATER ALLOWANC GALLONS PER YEAR	E (MAWA)
MAWA = (ETo)(0.62)[(LA x 0.45) + (0.5	5×SLA)]

ET5 ≈ REFERENCE EVAPOTRANSPIRATION 0.55= ET ADJUSTMENT FACTOR (LA≂LANDSCAPED AREA (SQUARE FEET) 0.62 = CONVERSION FACTOR (GALLONS/SQ FT/YR)

ETWU FORMULA ESTIMATED TOTAL WATER USE (ETWU) GALLONS PER ETWU=  $((ETO)(.62)(ETAF \times LA))$ ETo ≂ REFERENCE EVAPOTRANSP@ATKON

HA = HYDROZONE AREA (SQ.FT) 0.62 = CONVERSION FACTOR (GALLONS/SQ.FT/YR)

PF = PLANT FACTOR FOR HYDROZONES

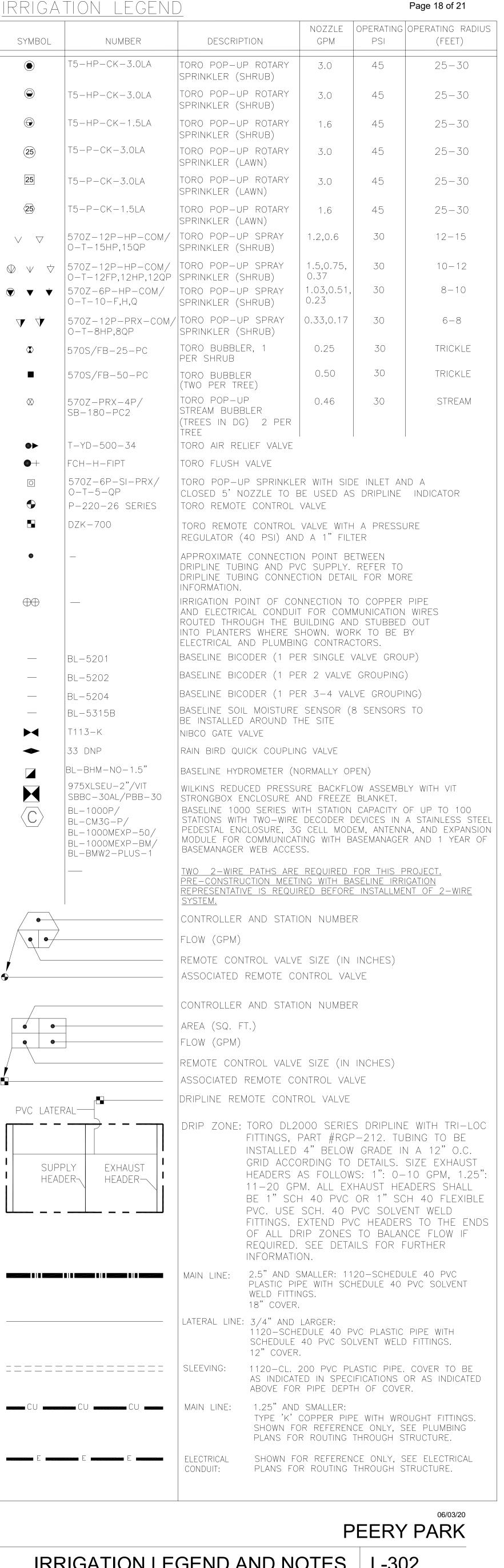
IE = IRRIGATION EFFICIENCY (0.75)-ROTORS/SPRAY

IE = IRRIGATION EFFICIENCY (0.81)-9U88LER/DRIP

Russell D. Mitchell Associates. Inc. 2760 Camino Diablo Walnut Creek, CA 94597 tel 925.939.3985 ♦ fax 925.932.5671 www.rmairrigation.com

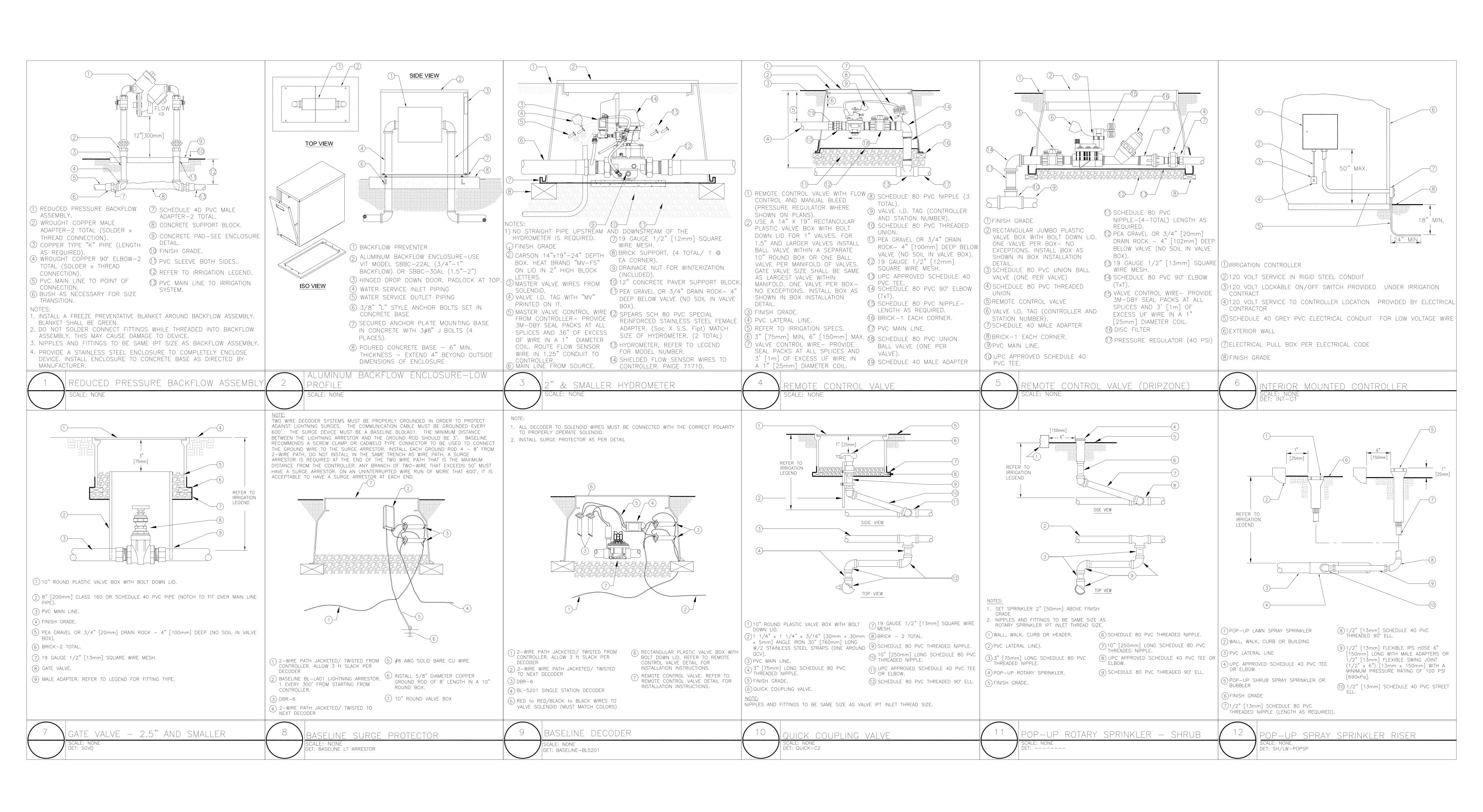
*Irrigation Consultant:* 

## Attachment 13 Page 18 of 21



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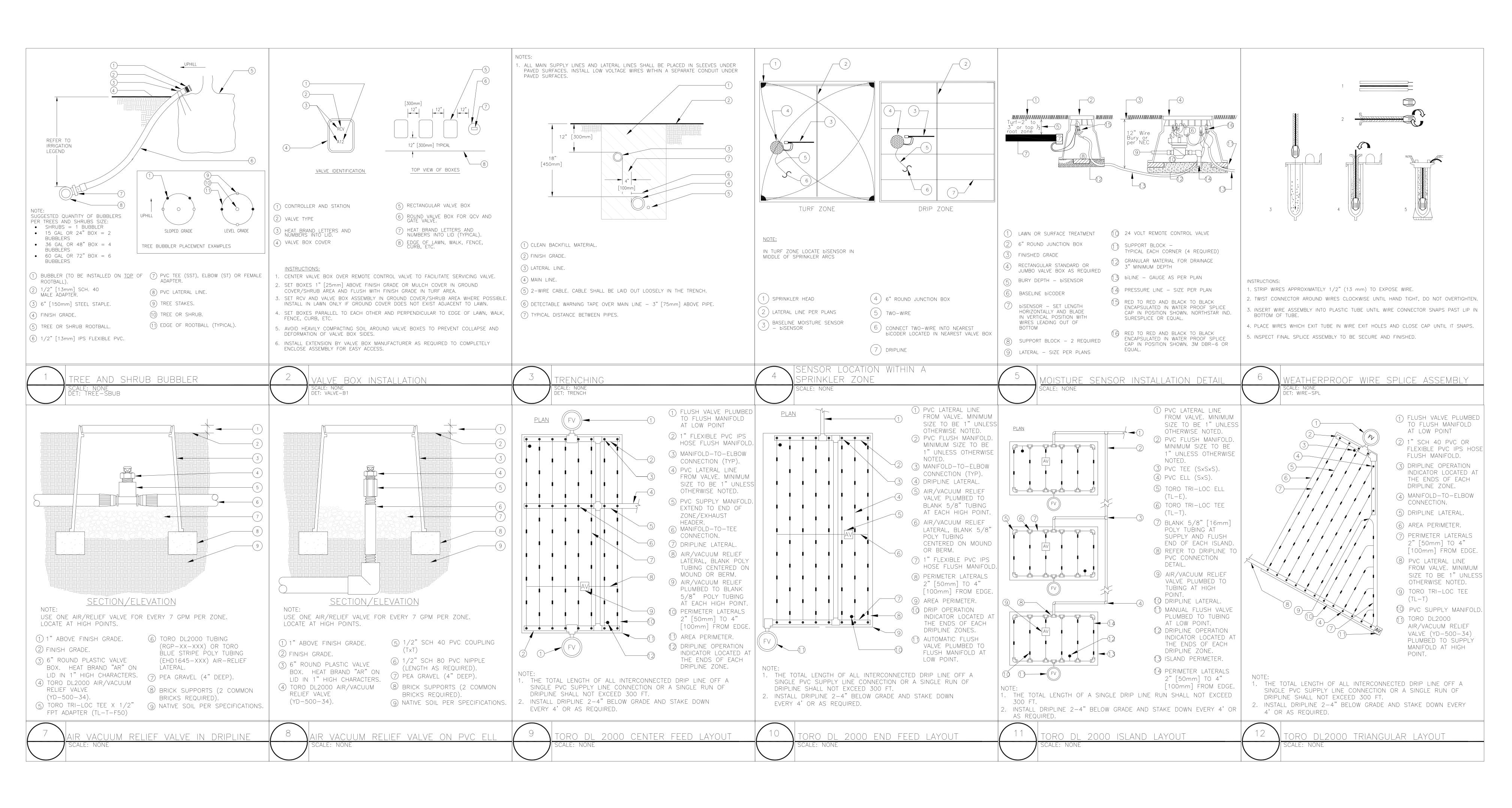
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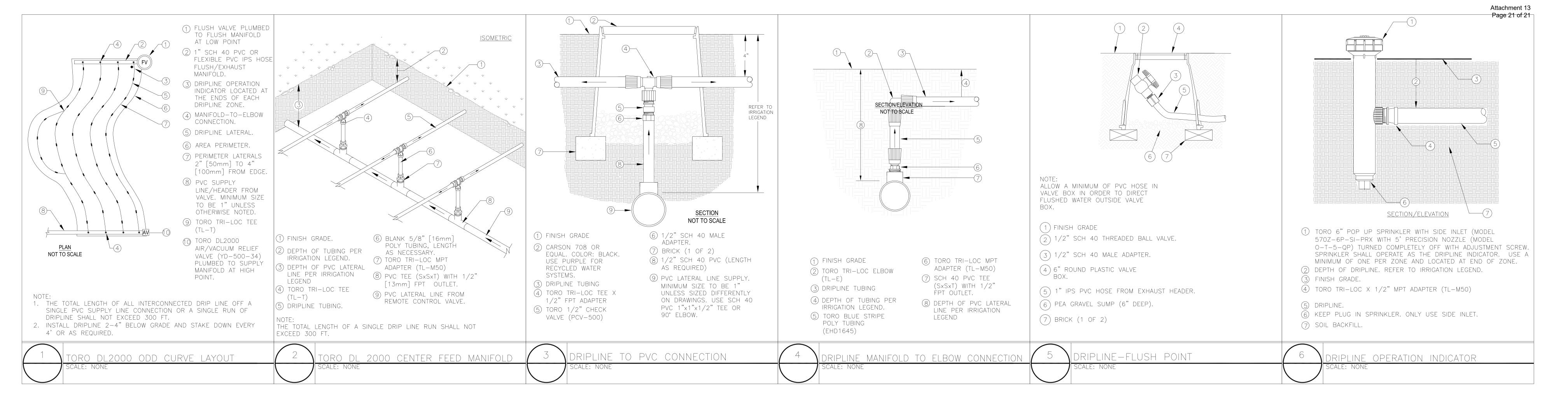
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