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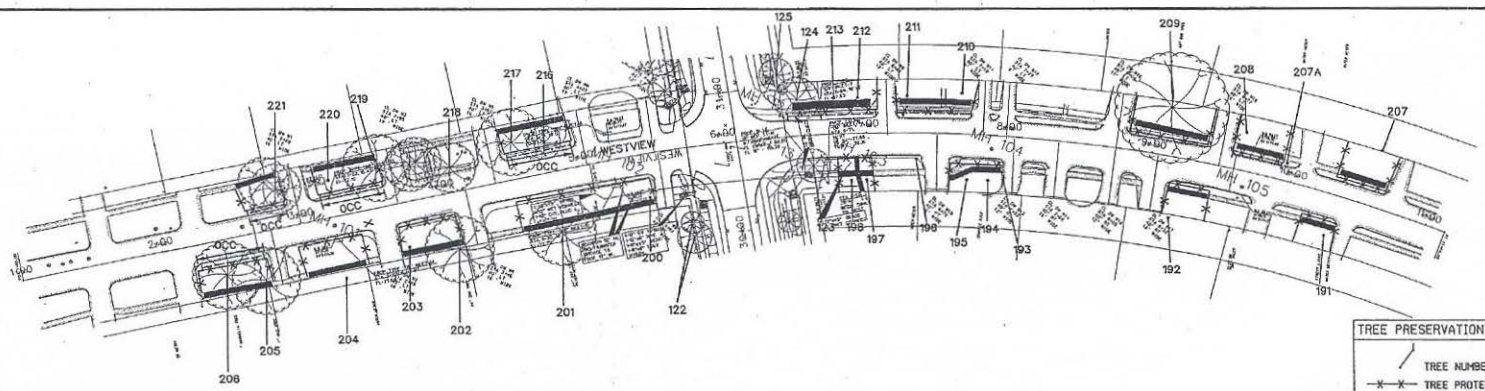

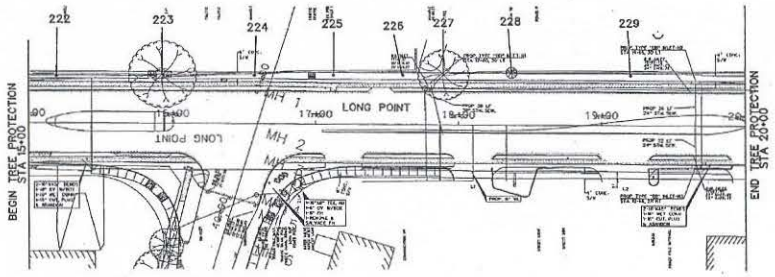

TREE PRESERVATION PLAN LEGEND

- TREE NUMBER/LOCATION
- TREE PROTECTION FENCE
- ROOT PRUNING TRENCH
- ZCC — ZERO CUTBACK CURB
- SIDEWALK ON GRADE
- 8% SLOPE SECTION

THIS TREE PROTECTION PLAN WAS DEVELOPED WITH INFORMATION PROVIDED BY DESIGN ENGINEER IN DRAWINGS DATED AUGUST 2007. THE PLAN CONSIDERS ALL FITTINGS, VERTICAL OFFSETS AND AREAS OF NECESSARY EXCAVATION. CHANGES MADE TO CONSTRUCTION DESIGN MAY COMPROMISE THE TREE PROTECTION PLAN AND BE A VIOLATION OF CITY OF HOUSTON STREET TREE ORDINANCE. REFER SUPPLEMENTAL SPECIFICATIONS 01562 AND 02915 FOR TREE PROTECTION AND TREE PLANTING SPECIFICATIONS.

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40 0 40 80
HORIZONTAL SCALE: 1" = 40'

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FB NO.

PARK AND RECREATION

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APPROVED Craig N Koehl 11/15/07

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

TREE PROTECTION PLAN
SHEET 3 OF 6

MBS NO. N-0767-001
DRAWING SCALE
AS SHOWN
CITY OF HOUSTON PM
SHEET NO. 116 OF 146

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Tree No	Description	Comments	Treatment
Trees on Bunker Hill Road			
1	22" American Elm	Ordinance tree, will have to remove for road construction	Remove tree, provide 22" in replacement to comply with ordinance
2	16" Sycamore	Not ordinance tree, will have to remove for road construction	Remove tree, no replacement required
3	35" Persimmon	Not ordinance tree, will have to remove for road construction	Remove tree, no replacement required
4	13" Sycamore	Not ordinance tree, will have to remove for road construction	Remove tree, no replacement required
5	14" Sycamore	Not ordinance tree, will have to remove for road construction	Remove tree, no replacement required
6	7" Persimmon	Not ordinance tree, will have to remove for road construction	Remove tree, no replacement required
7	7" Persimmon	Not ordinance tree, will have to remove for road construction	Remove tree, no replacement required
8	8" Tallow	Not ordinance tree, will have to remove for road construction	Remove tree, no replacement required
9	9" Tallow	Not ordinance tree, will have to remove for road construction	Remove tree, no replacement required
10	7" Tallow	Not ordinance tree, will have to remove for road construction	Remove tree, no replacement required
11	8" Persimmon	Not ordinance tree, will have to remove for road construction	Remove tree, no replacement required
12	9" Persimmon	Not ordinance tree, will have to remove for road construction	Remove tree, no replacement required
13	10" Green Ash	Ordinance tree, will have to remove for road construction	Remove tree, provide 10" in replacement to comply with ordinance
14	10" Green Ash	Ordinance tree, will have to remove for road construction	Remove tree, provide 10" in replacement to comply with ordinance
15	7" Green Ash	Ordinance tree, will have to remove for road construction	Remove tree, provide 7" in replacement to comply with ordinance
16	7" Green Ash	Ordinance tree, will have to remove for road construction	Remove tree, provide 7" in replacement to comply with ordinance
17	7" Green Ash	Ordinance tree, will have to remove for road construction	Remove tree, provide 7" in replacement to comply with ordinance
18	7" Green Ash	Ordinance tree, will have to remove for road construction	Remove tree, provide 7" in replacement to comply with ordinance
19	7" Green Ash	Ordinance tree, will have to remove for road construction	Remove tree, provide 7" in replacement to comply with ordinance
20	4" Green Ash (poor)	Ordinance tree, will have to remove for road construction, poor condition - does not warrant replacement	Remove tree, no replacement required
21	4" Green Ash (poor)	Ordinance tree, will have to remove for road construction, poor condition - does not warrant replacement	Remove tree, no replacement required
22	4" Green Ash (poor)	Ordinance tree, will have to remove for road construction, poor condition - does not warrant replacement	Remove tree, no replacement required
23	6" Green Ash	Ordinance tree, will have to remove for road construction	Remove tree, provide 6" in replacement to comply with ordinance
24	4" Green Ash	Ordinance tree, will have to remove for road construction	Remove tree, provide 4" in replacement to comply with ordinance
25	4" Green Ash	Ordinance tree, will have to remove for road construction	Remove tree, provide 4" in replacement to comply with ordinance
26	5" Green Ash	Ordinance tree, will have to remove for road construction	Remove tree, provide 5" in replacement to comply with ordinance
27	5" Green Ash	Ordinance tree, will have to remove for road construction	Remove tree, provide 5" in replacement to comply with ordinance
28	6" Green Ash	Ordinance tree, will have to remove for road construction	Remove tree, provide 6" in replacement to comply with ordinance
29	8" Green Ash	Ordinance tree, will have to remove for road construction	Remove tree, provide 8" in replacement to comply with ordinance
30	7" American Elm	Not ordinance tree, will have to remove for road construction	Remove tree, no replacement required
31	6" Green Ash	Ordinance tree, will have to remove for road construction	Remove tree, provide 6" in replacement to comply with ordinance
32	8" American Elm	Not ordinance tree, will have to remove for road construction	Remove tree, no replacement required
33	7" Wax Myrtle	Private tree, protect to avoid liability	Fence
34	7" Wax Myrtle	Private tree, protect to avoid liability	Fence
35	7" Wax Myrtle	Private tree, protect to avoid liability	Fence
36	7" Wax Myrtle	Private tree, protect to avoid liability	Fence
37	7" Wax Myrtle	Private tree, protect to avoid liability	Fence
38	7" Wax Myrtle	Private tree, protect to avoid liability	Fence
39	7" Wax Myrtle	Private tree, protect to avoid liability	Fence
40	7" Wax Myrtle	Private tree, protect to avoid liability	Fence
41	7" Wax Myrtle	Private tree, protect to avoid liability	Fence
42	7" Wax Myrtle	Private tree, protect to avoid liability	Fence
43	7" Live Oak	Private tree, protect to avoid liability	Fence
44	7" Live Oak	Private tree, protect to avoid liability	Fence, Clearance prune, Root prune for
45	7" Live Oak	Private tree, protect to avoid liability	Fence, Clearance prune
46	9" Live Oak	Ordinance tree, will have to remove for road construction	Remove tree, provide 9" in replacement to comply with ordinance
47	9" Live Oak	Ordinance tree, will have to remove for road construction	Remove tree, provide 9" in replacement to comply with ordinance
48	8" Live Oak	Ordinance tree, will have to remove for road construction	Remove tree, provide 8" in replacement to comply with ordinance
49	8" Live Oak	Ordinance tree, will have to remove for road construction	Remove tree, provide 8" in replacement to comply with ordinance
50	8" Live Oak	Ordinance tree, will have to remove for road construction	Remove tree, provide 8" in replacement to comply with ordinance
51	6" Live Oak	Ordinance tree, will have to remove for road construction	Remove tree, provide 6" in replacement to comply with ordinance
52	7" Live Oak	Ordinance tree, will have to remove for road construction	Remove tree, provide 7" in replacement to comply with ordinance
53	9" Live Oak	Ordinance tree, will have to remove for road construction	Remove tree, provide 9" in replacement to comply with ordinance
54	8" Live Oak	Ordinance tree, will have to remove for road construction	Remove tree, provide 8" in replacement to comply with ordinance
55	9" Live Oak	Ordinance tree, will have to remove for road construction	Remove tree, provide 9" in replacement to comply with ordinance
56	8" Live Oak	Ordinance tree, will have to remove for road construction	Remove tree, provide 8" in replacement to comply with ordinance
57	8" Live Oak	Ordinance tree, will have to remove for road construction	Remove tree, provide 8" in replacement to comply with ordinance
58	7" Live Oak	Ordinance tree	Fence, Sidewalk on grade, Clearance prune
59	7" Live Oak	Ordinance tree	Fence, Sidewalk on grade, Clearance prune
60	7" Live Oak	Ordinance tree	Fence, Sidewalk on grade, Clearance prune
61	7" Live Oak	Ordinance tree	Fence, Sidewalk on grade, Clearance prune
62	7" Live Oak	Ordinance tree	Fence, Sidewalk on grade, Clearance prune
63	7" Live Oak	Ordinance tree	Fence, Sidewalk on grade, Clearance prune
64	7" Pine	Private tree, should not be impacted	
65	7" Pine	Private tree, should not be impacted	
66	16" Silver Maple (dieback)	Private tree, protect to avoid liability	Root prune for street, fence, Sidewalk on grade, Clearance prune
67	27" Live Oak	Ordinance tree	Root prune for street, Crown Cleaning prune, Root stimulate, Fence, Sidewalk on grade, Clearance prune, May need 8% slope to meet curb gutter
68	25" American Elm	Ordinance tree, will have to remove for road construction	Remove tree, provide 25" in replacement to comply with ordinance
69	21" Pecan	Ordinance tree	Root prune for street, Crown Cleaning prune, Root stimulate, Fence, Sidewalk on grade, Clearance prune, May need 8% slope to meet curb gutter
70	17" Sugarberry	Not ordinance tree, protect with trees 69 and 74	Root prune for street, fence, Sidewalk on grade, Clearance prune
71	15" Sugarberry	Not ordinance tree, protect with trees 69 and 74	Root prune for street, fence, Sidewalk on grade, Clearance prune
72	8" Sugarberry	Not ordinance tree, protect with trees 69 and 74	Root prune for street, fence, Sidewalk on grade, Clearance prune
73	10" Sugarberry	Not ordinance tree, protect with trees 69 and 74	Root prune for street, fence, Sidewalk on grade, Clearance prune
74	22" Sugarberry	Ordinance tree	Root prune for street, fence, Sidewalk on grade, Clearance prune
75	17" Live Oak	Private tree, protect to avoid liability	Root prune for street, Fence, Clearance prune, Sidewalk on grade
76	25" Green Ash	Private tree, protect to avoid liability	Root prune for street, Fence, Clearance prune, May need 8% slope to meet curb
77	28" Live Oak	Private tree, protect to avoid liability	Root prune for street, Fence, Clearance prune, Sidewalk on grade
78	21" Live Oak	Private tree, protect to avoid liability	Root prune for street, Fence, Clearance prune, Sidewalk on grade
79	17" Live Oak	Private tree, protect to avoid liability	Root prune for street, Fence, Clearance prune, May need 8% slope to meet landing.
80	6" Live Oak	Private tree, should not be impacted	
81	49" Live Oak	Ordinance tree	Zero Curb outback. Root prune for street, Fence, Sidewalk on grade, May need 8% slope to meet landing, Clearance prune
82	14" Water Oak	Private tree, protect to avoid liability	Root prune for street, Fence, Clearance prune, Sidewalk on grade
83	27" Water Oak	Ordinance tree	Root prune for street, Fence, Clearance prune, Sidewalk on grade
84	10" Water Oak	Ordinance tree	Root prune for street, Fence, Clearance prune, Sidewalk on grade
85	26" Water Oak (dieback)	Ordinance tree	Root prune for street, Fence, Clearance prune, Sidewalk on grade
86	11" Water Oak (dieback)	Ordinance tree	Root prune for street, Fence, Clearance prune, Sidewalk on grade
87	16" Live Oak	Private tree, protect to avoid liability	Root prune for street, Fence, Clearance prune, Sidewalk on grade
88	10" Live Oak	Private tree, should not be impacted	
89	7" Live Oak	Private tree, protect to avoid liability	Fence, Sidewalk on grade, Clearance prune
90	7" Live Oak	Private tree, protect to avoid liability	Fence, Sidewalk on grade, Clearance prune
91	5" Live Oak	Private tree, protect to avoid liability	Clearance prune
92	8" Live Oak	Private tree, protect to avoid liability	Fence, Sidewalk on grade, Clearance prune
93	6" Live Oak	Private tree, protect to avoid liability	Fence, Sidewalk on grade, Clearance prune
94	19" Live Oak	Ordinance tree	Fence, Root prune for street, Zero Curb outback, Sidewalk on grade, May need 8% slope to meet drive, Clearance prune, Root stimulate
95	2" Sugarberry (dieback)	Not ordinance tree, will be protected with tree 99	Clearance prune
96	12" American Elm (dieback)	Not ordinance tree, will be protected with tree 99	Clearance prune
97	15" Sugarberry (dieback)	Not ordinance tree, will be protected with tree 99	Clearance prune
98	17" Tallow	Not ordinance tree, will be protected with tree 99	Clearance prune
99	22" American Elm (dieback)	Ordinance tree	Fence, Root prune for street, Sidewalk on grade, Clearance prune
100	7" Sugarberry	Not ordinance tree	Clearance prune
101	7" Sugarberry	Not ordinance tree	Clearance prune
102	7" Sugarberry	Not ordinance tree	Clearance prune
103	7" Sugarberry	Not ordinance tree	Clearance prune
104	7" Sugarberry	Not ordinance tree	Clearance prune
105	12" Elm (dead trunk)	Dead trunk	Remove tree, no replacement required
106	20" Mulberry (50% dead)	Ordinance tree, remove tree due to very poor condition	Remove tree, no replacement required
107	14" Sugarberry	Not ordinance tree, should not be impacted	
108	23" Tallow (poor)	Ordinance tree, condition does not warrant protection	
109	8" Ligustrum	Not ordinance tree, should not be impacted	
110	10" Crape Myrtle	Not ordinance tree, should not be impacted	
111	7" Crape Myrtle	Private tree, should not be impacted	
112	32" Water Oak (1-sided)	Private tree, should not be impacted	
113	7" Crape Myrtle	Private tree, should not be impacted	
114	22" Pine (1-sided)	Ordinance tree	Fence, Root prune for street, Sidewalk on grade, Clearance prune, Root stimulate
115	7" Pecan	Ordinance tree	Fence, Root prune for street, May need 8% slope to landing, Sidewalk on grade,
116	10" Pecan	Ordinance tree, will have to remove for road construction	Remove tree, provide 12" in replacement
117	18" Pecan	Ordinance tree, will have to remove for road construction	Remove tree, provide 18" in replacement
118	7" Mulberry	Not ordinance tree, will be protected with tree 119	
119	21" Water Oak	Private tree, protect to avoid liability	Fence, Root prune for street, Sidewalk on grade, Clearance prune
120	20" Water Oak (1-sided)	Private tree, protect to avoid liability	Fence, Sidewalk on grade, Clearance prune
121	31" Southern Red Oak	Private tree, protect to avoid liability	Fence, Sidewalk on grade, Clearance prune
122	7" Photinia	Private tree, should not be impacted	
123	14" Pecan	Ordinance tree, will have to remove for road construction	Remove tree, provide 14" in replacement
124	15" Post Oak	Ordinance tree	Fence, Root prune for street, Zero Curb outback, Sidewalk on grade, Clearance prune, Crown Cleaning prune, Root stimulate
125	14" Pecan	Ordinance tree	Fence, Root prune for street, Zero Curb outback, Sidewalk on grade, Clearance
126	7" Holly	Ordinance tree	Fence, Root prune for street, Sidewalk on grade, Clearance prune
127	10" Water Oak	Private tree, protect to avoid liability	Fence, Sidewalk on grade
128	15" Post Oak	Private tree, protect to avoid liability	Fence, Root prune for street, Sidewalk on
129	19" Post Oak	Private tree, protect to avoid liability	Fence, Root prune for street, Sidewalk on
130	14" Sugarberry	Private tree, should not be impacted	
131	7" Water Oak	Ordinance tree	Fence, Sidewalk on grade
132	8" Tallow	Not ordinance tree, should not be impacted	
133	7" Redbud (dead)	Remove tree due to condition	Remove tree, no replacement required
134	6" Pecan	Ordinance tree	Fence, Root prune for street, Sidewalk on grade, Clearance prune
135	7" Water Oak	Ordinance tree	Fence, Root prune for street, Sidewalk on grade, Clearance prune
136	6" Pine	Ordinance tree	Fence, Root prune for street, Zero curb outback, Sidewalk on grade, Root stimulate
137	16" Haintree	Not ordinance tree	Fence, Root prune for street, Sidewalk on grade, Clearance prune
138	16" Haintree	Not ordinance tree	Fence, Root prune for street, Sidewalk on grade, Clearance prune
139	16" Live Oak	Ordinance tree	Fence, Root prune for street, Zero curb outback, Sidewalk on grade, Clearance prune, Crown Cleaning prune, Root stimulate
140	10" Tallow	Not ordinance tree, will be protected with 141	
141	25" Tallow	Ordinance tree	Fence, Root prune for street, Zero curb outback, Sidewalk on grade, Clearance

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APPROVED Craig N Koehl 11/15/07

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

TREE PROTECTION PLAN
SHEET 4 OF 6

MBS NO. H-0767-001
DRAWING SCALE
AS SHOWN
CITY OF HOUSTON PM
SHEET NO. 177 OF 196

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142	17" Tallow	Not ordinance tree, will be protected with 141	
143	14" Tallow	Not ordinance tree, will be protected with 141	
144	12" Tallow	Not ordinance tree, will be protected with 141	
145	9" Raintree	Not ordinance tree	Clearance prune
146	23" Pine	Private tree, protect to avoid liability	Fence, Root prune for street, Sidewalk on grade, Clearance prune
147	9" Pecan	Ordinance tree	Fence, Root prune for street, Sidewalk on grade, Clearance prune, Root stimulate
148	9" Live Oak	Ordinance tree, will have to remove for road construction	Remove tree, provide 9" in replacement to comply with ordinance
149	13" Boxelder	Not ordinance tree	Clearance prune
150	17" Post Oak	Private tree, protect to avoid liability	Clearance prune
151	25" Pine	Private tree, protect to avoid liability	Fence, Root prune for street, Sidewalk on
152	14" Water Oak	Ordinance tree	Fence, Root prune for street, Sidewalk on grade, Clearance prune, Root stimulate
153	15" Water Oak	Ordinance tree	Fence, Root prune for street, Sidewalk on grade, Clearance prune, Root stimulate
154	10" Pecan	Ordinance tree	Fence, Root prune for street, Sidewalk on grade, Clearance prune, Root stimulate
155	18" Water Oak	Ordinance tree	Fence, Root prune for street, Sidewalk on grade, Clearance prune, Root stimulate
156	9" Water Oak	Ordinance tree, will have to remove for road construction	Remove tree, provide 9" in replacement to comply with ordinance
157	28" Cedar	Ordinance tree	Fence, Root prune for street, Sidewalk on grade, Clearance prune, Root stimulate
158	12" Cedar	Not ordinance tree	Fence, Root prune for street, Sidewalk on grade, Clearance prune
159	14" Cedar	Not ordinance tree	Fence, Root prune for street, Sidewalk on grade, Clearance prune
160	16" Cedar	Not ordinance tree	Fence, Root prune for street, Sidewalk on grade, Clearance prune
161	14" Water Oak	Ordinance tree	Fence, Root prune for street, Zero Curb Cutback, Clearance prune, Crown Cleaning
162	26" Post Oak	Ordinance tree	Fence, Root prune for street, Zero Curb Cutback, Clearance prune, Crown Cleaning
163	15" Water Oak	Ordinance tree	Fence, Root prune for street, Sidewalk on grade, May need 8% slope to meet landing, Clearance prune, Root stimulate
164	11" Water Oak	Ordinance tree	Fence, Root prune for street, Sidewalk on grade, Clearance prune
165	13" Water Oak	Ordinance tree	Fence, Root prune for street, Sidewalk on grade, Clearance prune
166	10" Water Oak	Ordinance tree	Fence, Root prune for street, Sidewalk on grade, Clearance prune
167	13" Water Oak	Ordinance tree	Fence, Root prune for street, Sidewalk on grade, Clearance prune
168	18" Pine	Ordinance tree	Fence, Root prune for street, Sidewalk on grade, May need 8% slope to meet drive.
169	17" Water Oak	Ordinance tree	Fence, Root prune for street, Sidewalk on grade, May need 8% slope to meet drive.
170	8" Water Oak	Ordinance tree	Fence, Root prune for street, Sidewalk on grade, Clearance prune
171	27" Post Oak	Ordinance tree	Fence, Root prune for street, Sidewalk on grade, Clearance prune
172	17" Post Oak	Ordinance tree	Fence, Root prune for street, Sidewalk on grade, Clearance prune
173	12" Pine	Ordinance tree	Fence, Root prune for street, Sidewalk on grade, Clearance prune
174	8" Water Oak	Ordinance tree	Fence, Root prune for street, Sidewalk on grade, Clearance prune
175	5" Sugarberry	Not ordinance tree	Clearance prune
176	8" American Elm	Not ordinance tree	Clearance prune
177	11" Water Oak	Ordinance tree	Fence, Root prune for street, Sidewalk on grade, Clearance prune
178	11" Water Oak	Ordinance tree	Fence, Root prune for street, Sidewalk on grade, Clearance prune
179	6" Sugarberry	Not ordinance tree, should not be impacted	
180	16" Water Oak	Ordinance tree	Fence, Root prune for street, Sidewalk on grade, Clearance prune
181	16" Water Oak	Ordinance tree	Fence, Root prune for street, Sidewalk on grade, Clearance prune
182	25" Live Oak	Private tree, protect to avoid liability	Fence, Root prune for street, Sidewalk on grade, Clearance prune
183	12" Water Oak	Private tree, protect to avoid liability	Fence, Root prune for street, Sidewalk on grade, Clearance prune
184	6" Willow	Private tree, should not be impacted	
185	1' Palm	Not ordinance tree, should not be impacted	
186	1' Palm	Not ordinance tree, should not be impacted	
187	1' Arborvitae	Not ordinance tree, should not be impacted	
188	1' Palm	Not ordinance tree, should not be impacted	
189	1' Palm	Not ordinance tree, should not be impacted	
190	1' Palm	Not ordinance tree, should not be impacted	
Trees on Westview			
191	21" Post Oak	Ordinance tree	Fence, Sidewalk on grade, Clearance prune
192	14" Post Oak	Private tree, protect to avoid liability	Fence, Sidewalk on grade, Clearance prune
193	17" Pine	Ordinance tree, will have to remove for road construction	Remove tree, provide 17" in replacement to comply with ordinance
194	27" Pine	Ordinance tree	Fence, Sidewalk on grade, Clearance prune
195	9" Pine	Ordinance tree	Fence, Sidewalk on grade, Clearance prune
196	10" Pecan (dead)	Dead tree, will have to remove for road construction	Remove tree, no replacement required
197	10" Persimmon	Not ordinance tree	Will be protected with tree 198
198	7" Pecan	Ordinance tree	Fence, Sidewalk on grade
199	Not used		
200	27" Post Oak	Ordinance tree	Fence, Sidewalk on grade, Clearance prune
201	24" Post Oak	Ordinance tree	Fence, Sidewalk on grade, Clearance prune
202	12" Pine	Ordinance tree	Fence, Sidewalk on grade, Clearance prune
203	25" Water Oak	Ordinance tree	Fence, Sidewalk on grade, Clearance prune
204	22" Pine	Private tree, protect to avoid liability	Fence, Sidewalk on grade
205	25" Post Oak	Ordinance tree	Fence, Root prune for street, zero curb cutback, Sidewalk on grade, Root stimulate
206	20" Magnolia	Ordinance tree	Fence, Root prune for street, zero curb cutback, Sidewalk on grade, Clearance
207	15" Post Oak	Ordinance tree	Fence, Sidewalk on grade, Clearance prune
207	5" Redbud	Not ordinance tree, will have to remove for road construction	Remove tree, no replacement required
208	35" Live Oak	Ordinance tree	Fence, Root prune for street, Sidewalk on grade, Root stimulate
209	19" Post Oak	Ordinance tree	Fence, Sidewalk on grade, Clearance prune
210	26" Live Oak	Ordinance tree	Fence, Root prune for street, Sidewalk on grade, Clearance prune, Root stimulate
211	14" Pine	Ordinance tree	Fence, Root prune for street, Sidewalk on grade, Clearance prune, Root stimulate
212	24" Water Oak	Ordinance tree	Fence, Root prune for street, Sidewalk on grade, Clearance prune, Root stimulate
213	28" Water Oak	Ordinance tree	Fence, Root prune for street, Sidewalk on grade, Clearance prune, Root stimulate
214	Not used		
215	Not used		
216	13" Water Oak	Ordinance tree	Fence, Root prune for street, Zero curb cutback, Sidewalk on grade, Root stimulate
217	23" Water Oak	Ordinance tree	Fence, Root prune for street, Zero curb cutback, Sidewalk on grade, Root stimulate
218	14" Post Oak (thin)	Ordinance tree, will have to remove for road construction	Remove tree, provide 14" in replacement planting to comply with ordinance
219	18" Post Oak	Ordinance tree	Fence, Root prune for street, Zero Curb cutback, Sidewalk on grade, Crown Cleaning
220	17" Post Oak	Ordinance tree	Fence, Root prune for street, Zero Curb cutback, Sidewalk on grade, Crown Cleaning
221	13" Post Oak	Ordinance tree	Fence, Root prune for street, Zero Curb cutback, Sidewalk on grade, Crown Cleaning
Trees on Longpoint Road			
222	15" Loblolly Pine	Ordinance tree, will have to remove for road construction	Remove tree, provide 15" in replacement planting to comply with ordinance
223	10" Black Locust	Not ordinance tree, will have to remove for road construction	Remove tree, no replacement required
224	14" Water Oak	Ordinance tree, will have to remove for road construction	Remove tree, provide 14" in replacement planting to comply with ordinance
225	9" Loblolly Pine	Ordinance tree, will have to remove for road construction	Remove tree, provide 9" in replacement planting to comply with ordinance
226	16" Water Oak	Ordinance tree, will have to remove for road construction	Remove tree, provide 16" in replacement planting to comply with ordinance
227	11" Water Oak	Ordinance tree, will have to remove for road construction	Remove tree, provide 11" in replacement planting to comply with ordinance
228	10" Loblolly Pine	Ordinance tree, topped by utility, poor condition, will have to remove for road construction	Remove tree, provide 2" in replacement planting to comply with ordinance
229	14" Water Oak	Ordinance tree, topped by utility, poor condition, will have to remove for road construction	Remove tree, provide 2" in replacement planting to comply with ordinance

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TREE PROTECTION PLAN
SHEET 5 OF 6

WBS NO. N-0767-001
DRAWING SCALE
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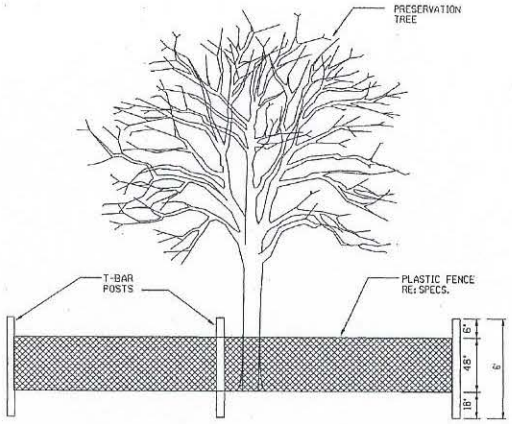
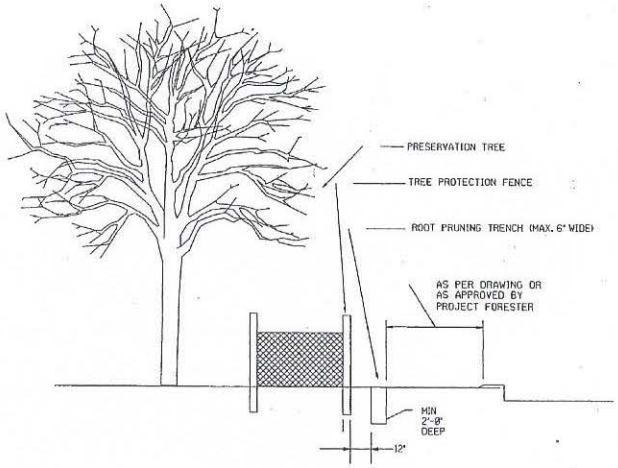
SHEET NO. 118 OF 146

APPENDIX C - p. 23



TREE PROTECTION FENCING DETAIL A

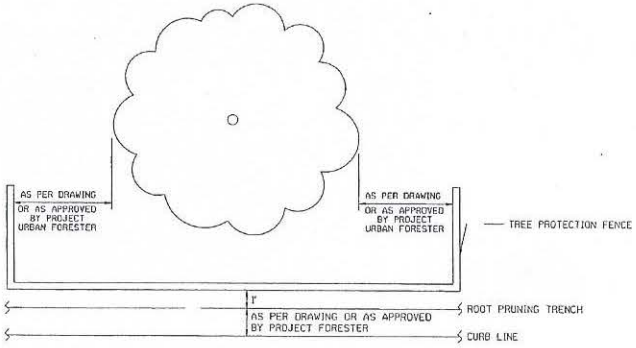
NOT TO SCALE



ROOT PRUNING DETAIL

NOT TO SCALE

Bidding Purposes Only
Not for Construction



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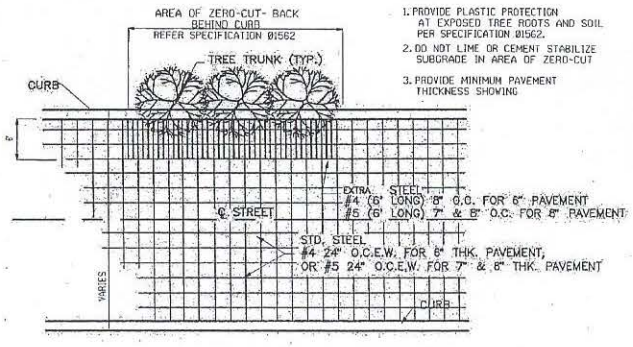


NOTE:

1. PROVIDE PLASTIC PROTECTION AT EXPOSED TREE ROOTS AND SOIL PER SPECIFICATION 01562.
2. DO NOT LIME OR CEMENT STABILIZE SUBGRADE IN AREA OF ZERO-CUT
3. PROVIDE MINIMUM PAVEMENT THICKNESS SHOWING

ZERO CURB CUTBACK DETAIL
EXTRA STEEL BEHIND CURB

NOT TO SCALE

No.	Date	Revisions	Appr.

TCB | AECOM

TCB INC.
5757 WOODWAY
HOUSTON, TEXAS 77057
WWW.TCB-AECOM.COM

TCB INC.
5757 WOODWAY
HOUSTON, TEXAS 77057
713.780.4100 tel.
713.780.0838 fax.

SURVEYED BY:
FB NO.

PARK AND RECREATION

C.N. Koehl
Urban Forestry, Inc.
3237 Canvasback Street • Katy, Texas 77493
281-391-0022 CNKOEHL@COMCAST.NET

APPROVED Craig N. Koehl 11/15/07

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

TREE PROTECTION PLAN
SHEET 6 OF 6

WBS NO. H-0767-001

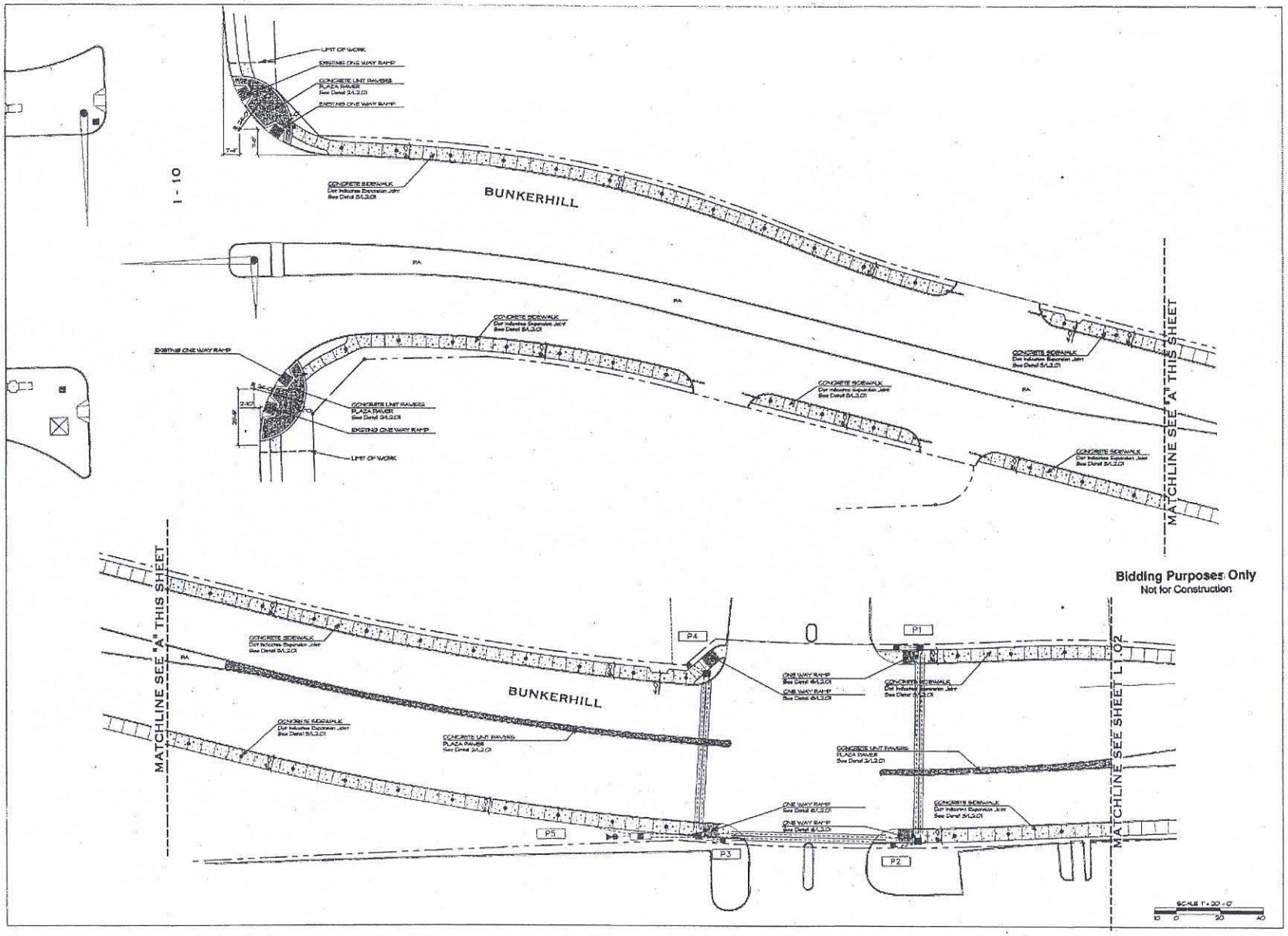
DRAWING SCALE
AS S-OWN

CITY OF HOUSTON PM

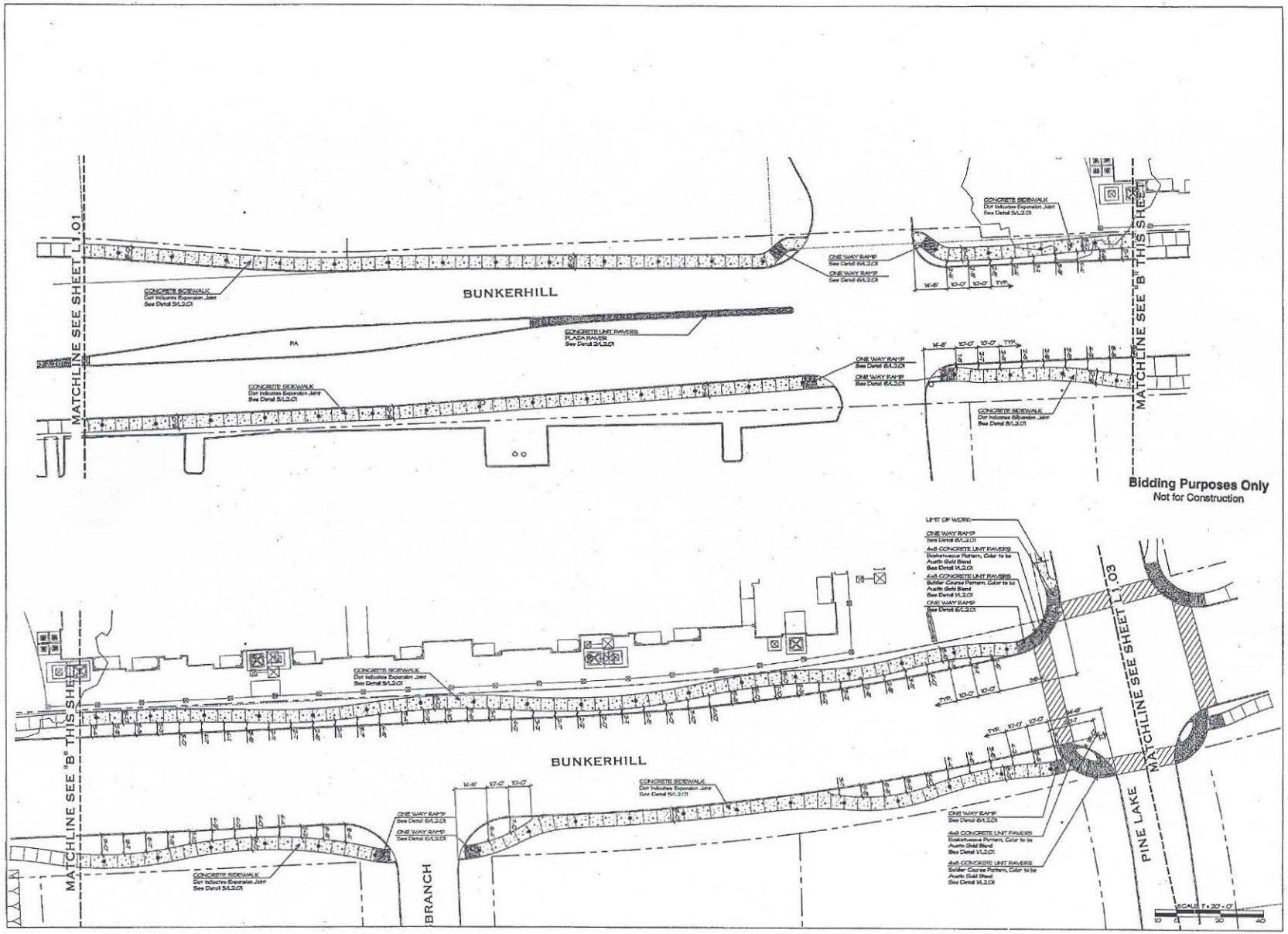
SHEET NO. 119 OF 146

FILENAME: PW5002B100 SH Phase 1-3 & Coach Trail Subdivision TPP.dgn

APPENDIX C - p. 24



APPENDIX C - p. 25



BUNKERHILL ROAD

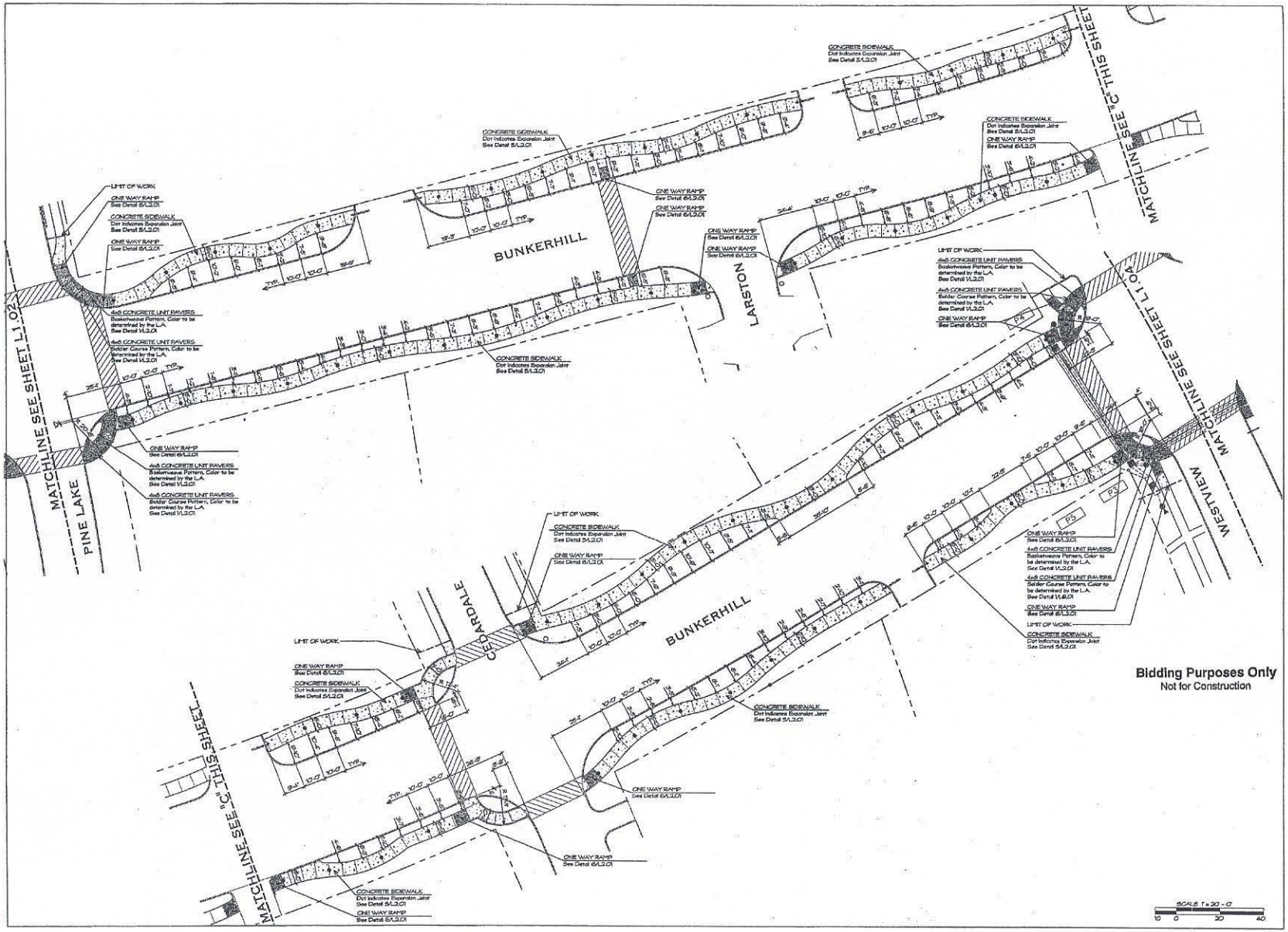
MEMORIAL DRIVE HISTORIC DISTRICT

KUDELA & WEINHEIMER

LAYOUT AND MATERIALS PLAN

L1.02

APPENDIX C - p. 26

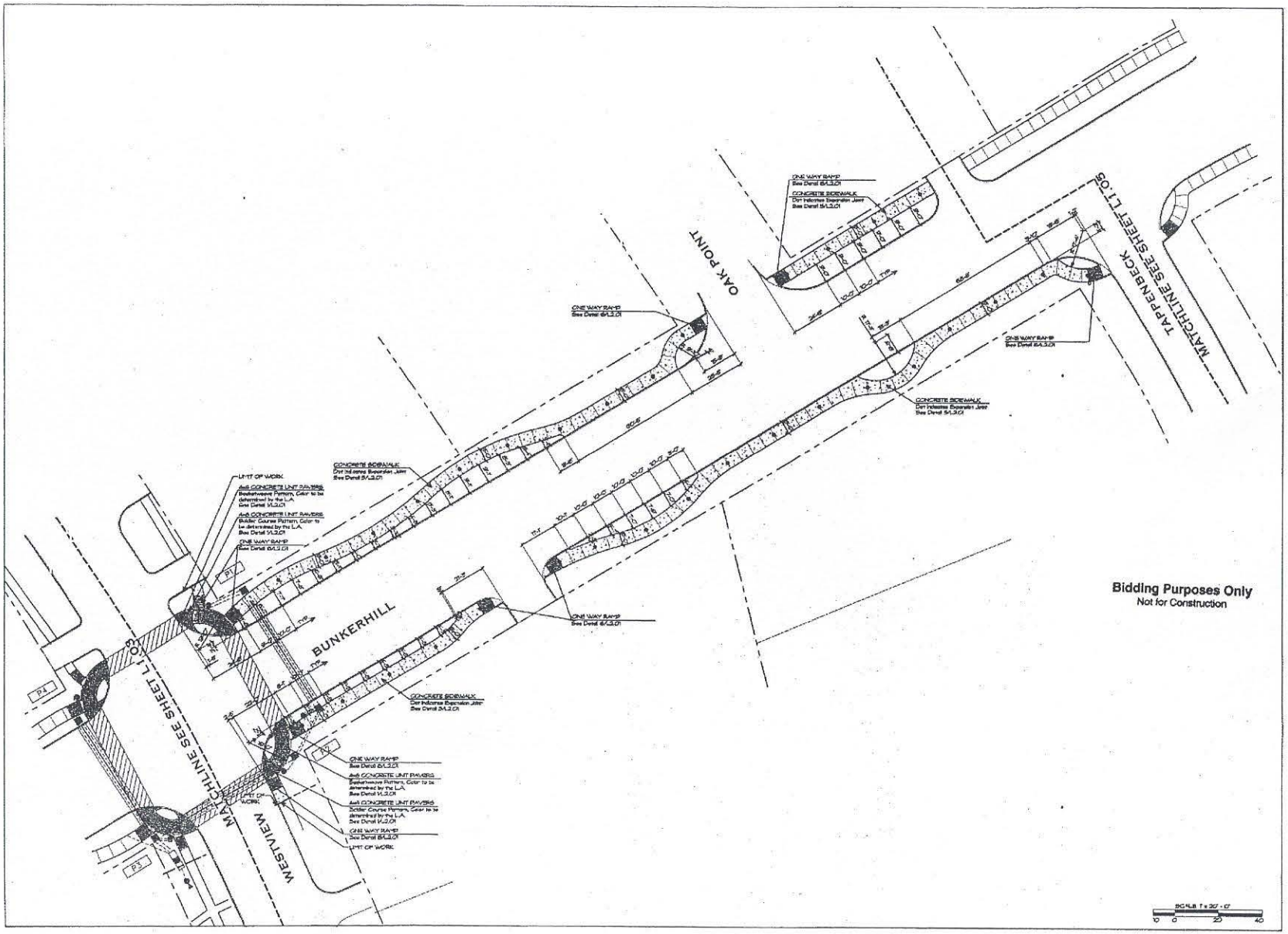


BUNKERHILL ROAD

LAYOUT AND MATERIALS PLAN

L1.01

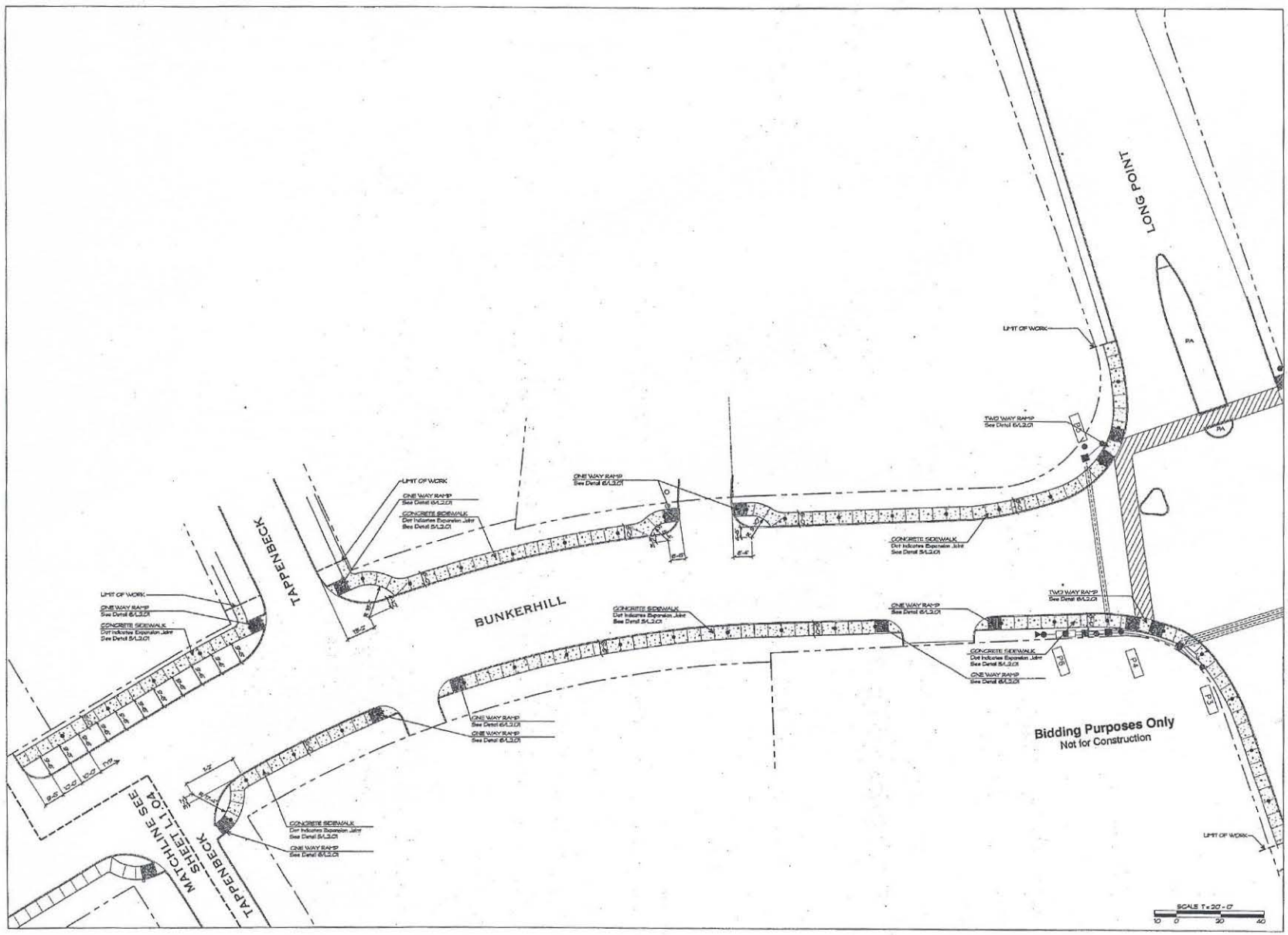
132 of 196



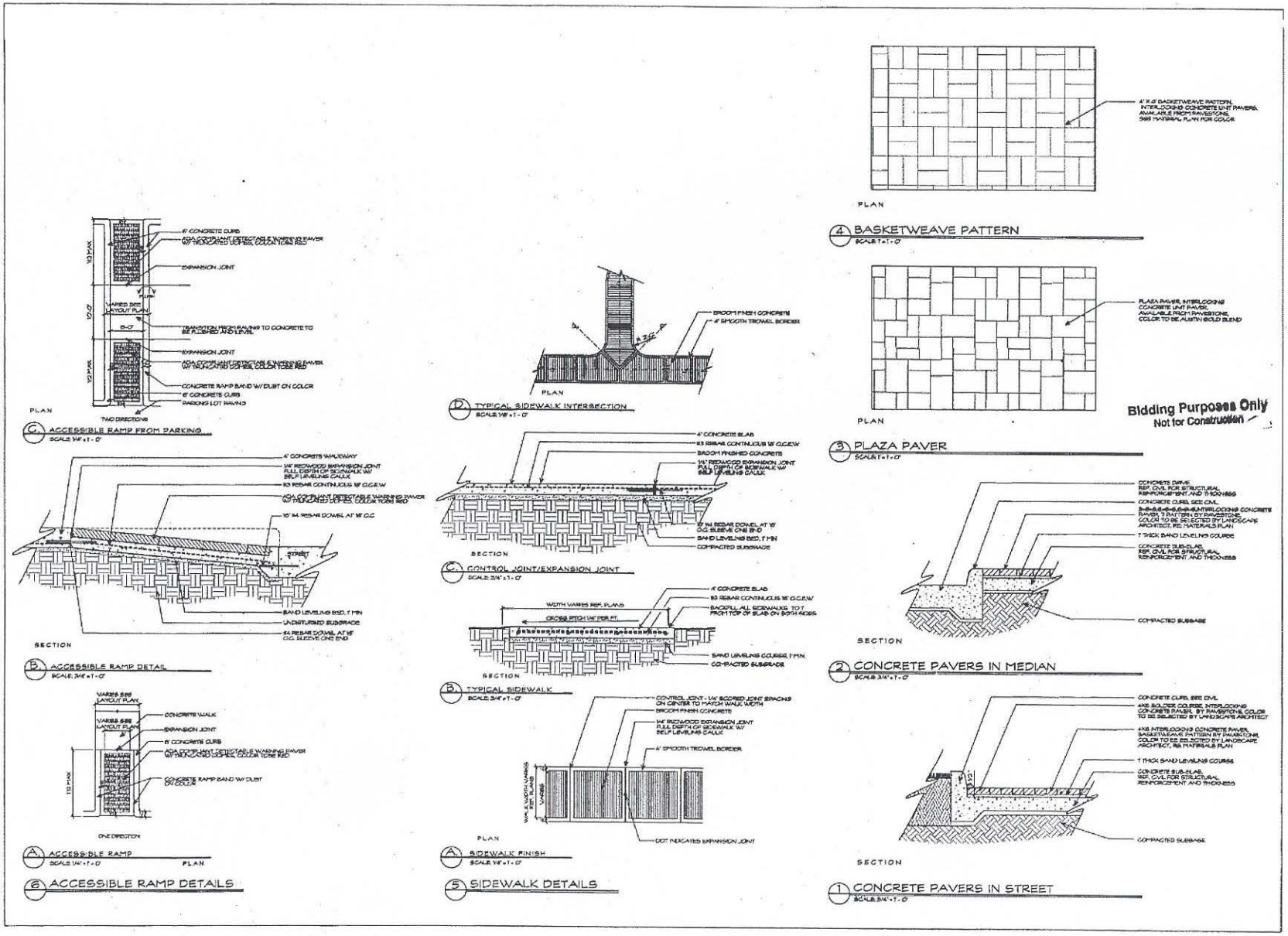
BUNKERHILL RD

LAYOUT AND MATERIALS PLAN

APPENDIX C - p. 28



APPENDIX C - p. 29



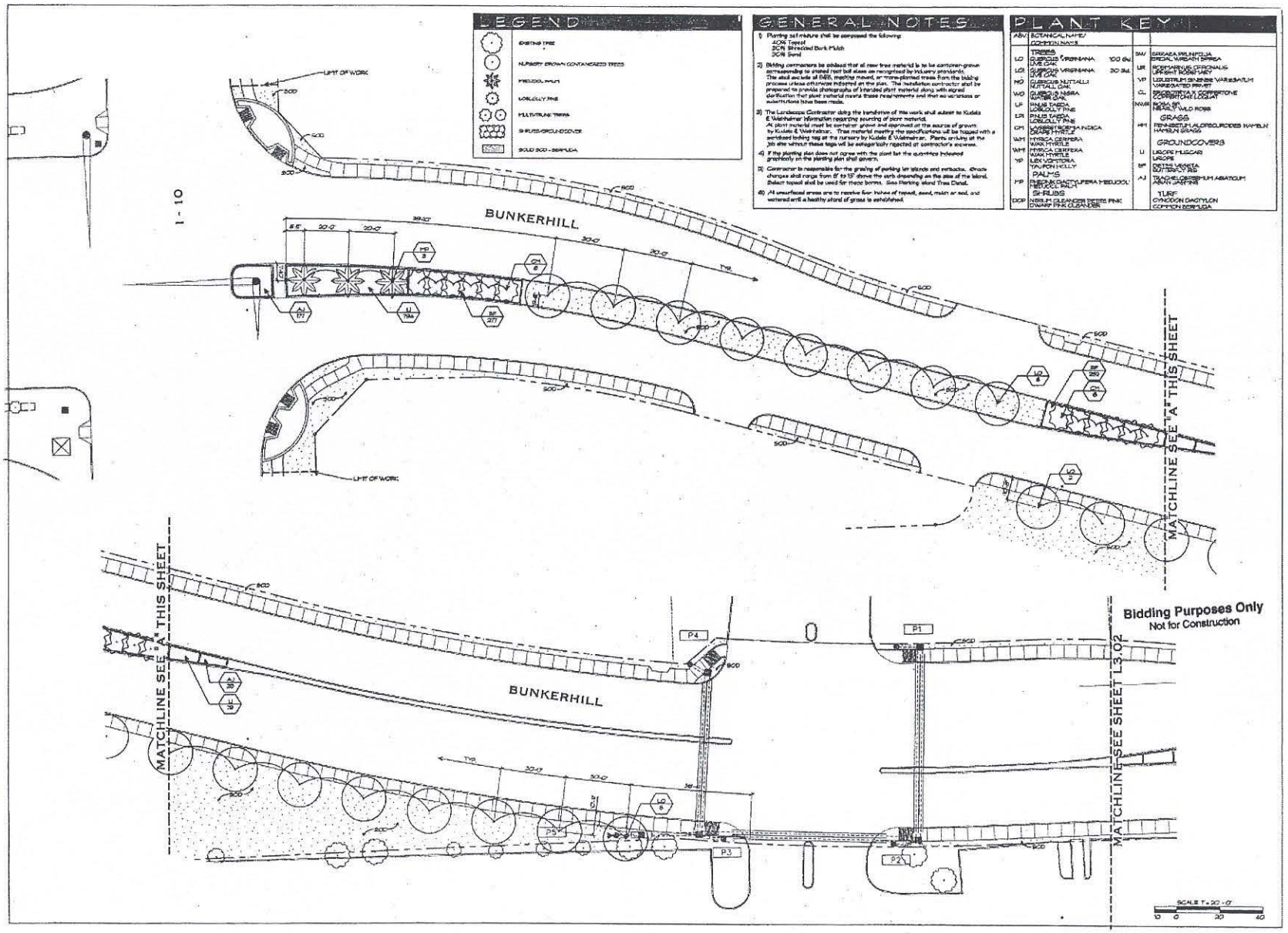
Bidding Purposes Only
Not for Construction

BRINKERHILL ROAD

KUDELA & WEINHEIMER

LANDSCAPE DETAILS

APPENDIX C - p. 30



PLANT KEY

ABV	BOTANICAL NAME/ COMMON NAME	
	TREES	
LO	QUERCUS VIRGINIANA LIVE OAK	100 Gal
LO	QUERCUS VIRGINIANA LIVE OAK	30 Gal
NO	QUERCUS NUTTALLI NUTTALL OAK	
WO	QUERCUS NIGRA WATER OAK	
LP	PINUS TAEDA LOBLOLLY PINE	
LP	PINUS TAEDA LOBLOLLY PINE	
CP	LAGERSTROEMIA INDICA CRAPE MYRTLE	
WM	MYRICA CERIFERA WAX MYRTLE	
WM	MYRICA CERIFERA WAX MYRTLE	
YW	ILEX VOMITORIA YAUPON HOLLY	
	PALMS	
PP	PHOENIX RECLINATA - PERA PHOENIX PALM	
	SHRUBS	
DCP	NERIUM OLEANDER 'DWARF PINK' DWARF PINK OLEANDER	
BW	BANANA PALM/ROYAL VARIEGATED SPIREA	
LR	ROSEMARINUS OFFICINALIS LIVEBOAT ROSEMARY	
VP	LIGUSTRUM SINENSE 'VARIEGATUM' VARIEGATED PRIVET	
CL	BRACHYCHITON POPULNEUS COORANGOOK LOCKLAT	
NWR	ROSA SP. NOVAL WILD ROSE	
	GRASS	
HM	PENNISETUM ALOPECUROIDES 'HAMELN' HAMELN GRASS	
	GROUNDCOVERS	
LI	LIRIOPE MUSCARI LIRIOPE	
BF	DIETES VEGETA BUTTERFLY IRIS	
AJ	TRACHELOSPERMUM ASIATICUM ASIAN JASMINE	
	TURF	
	CYNODON DACTYLON COTTON BERMUDA	

GENERAL NOTES

1) Planting soil mixture shall be composed the following:
   40% Topsoil
   30% Shredded Bark Mulch
   30% Sand

2) Bidding contractors be advised that all new tree material is to be container-grown corresponding to stated root ball sizes as recognized by industry standards. This shall exclude all B&B, machine moved, or transplanted trees from the bidding process unless otherwise indicated on the plan. The installation contractor shall be prepared to provide photographs of intended plant material along with signed certification that plant material meets these requirements and that no variations or substitutions have been made.

3) The Landscape Contractor doing the installation of this work shall submit to Kudela & Weinheimer information regarding sourcing of plant material. All plant material must be container grown and approved at the source of growth by Kudela & Weinheimer. Tree material meeting the specifications will be tagged with a certified locking tag at the nursery by Kudela & Weinheimer. Plants arriving at the job site without these tags will be categorically rejected at contractor's expense.

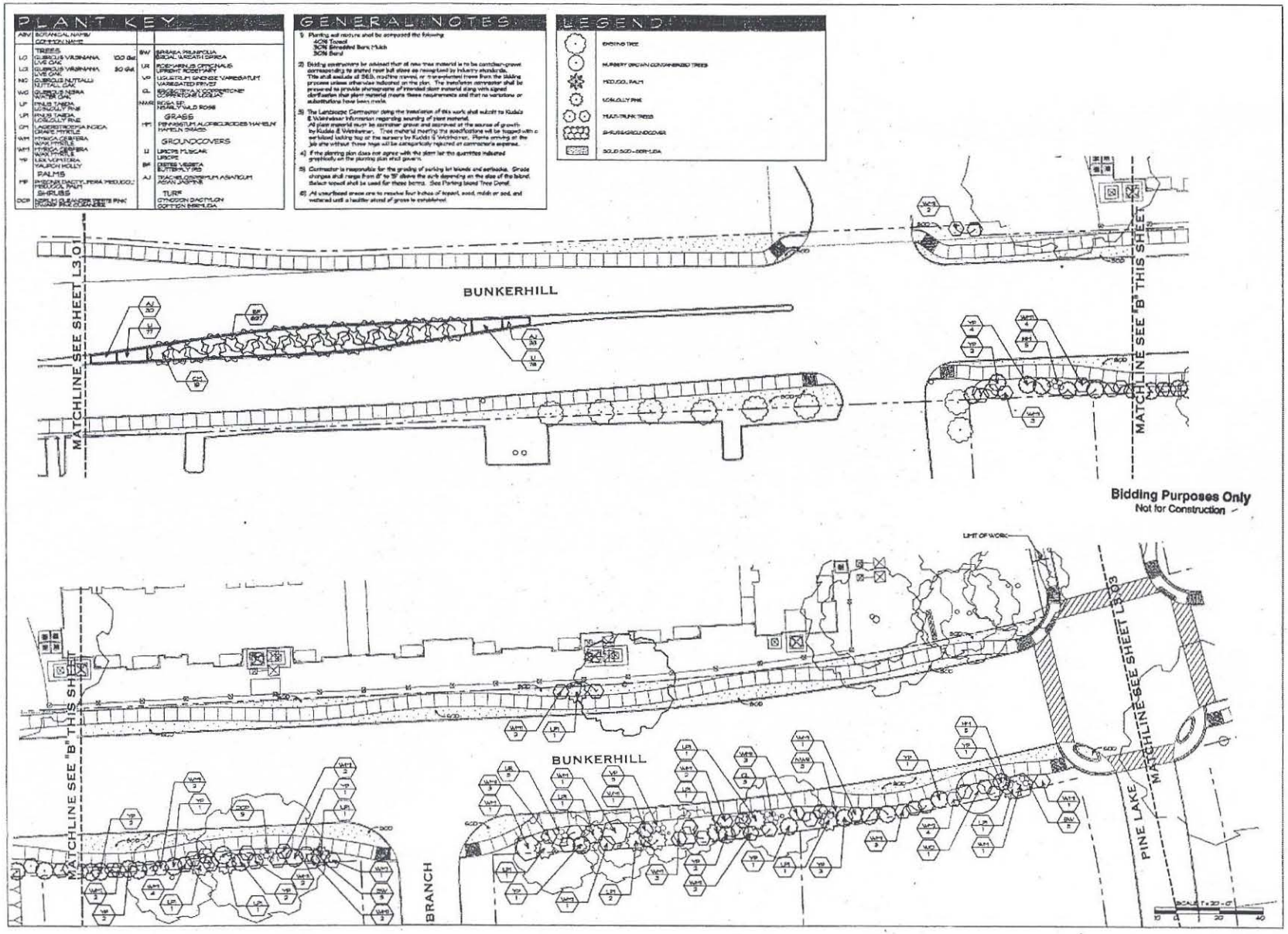
4) If the planting plan does not agree with the plant list the quantities indicated graphically on the planting plan shall govern.

5) Contractor is responsible for the grading of parking lot islands and setbacks. Grade changes shall range from 6" to 18" above the curb depending on the size of the island. Select topsoil shall be used for these berms. See Parking Island Tree Detail.

6) All resurfaced areas are to receive four inches of topsoil, sod, mulch or seed, and watered until a healthy stand of grass is established.

LEGEND

- EXISTING TREE
- NURSERY GROWN CONTAINERIZED TREES
- MEDJOOL PALM
- LOBLOLLY PINE
- MULTI-TRUNK TREES
- SHRUBS/GROUNDCOVER
- SOLID SOD - BERMUDA



BUNKERHILL ROAD

HISTORICAL CITY DISTRICT

KUDELA & WEINHEIMER

PLANTING PLAN

APPENDIX C - p. 32

GENERAL NOTES

1) Planting soil mixture shall be composed the following:
   - 40% Topsoil
   - 30% Shredded Bark Mulch
   - 30% Sand

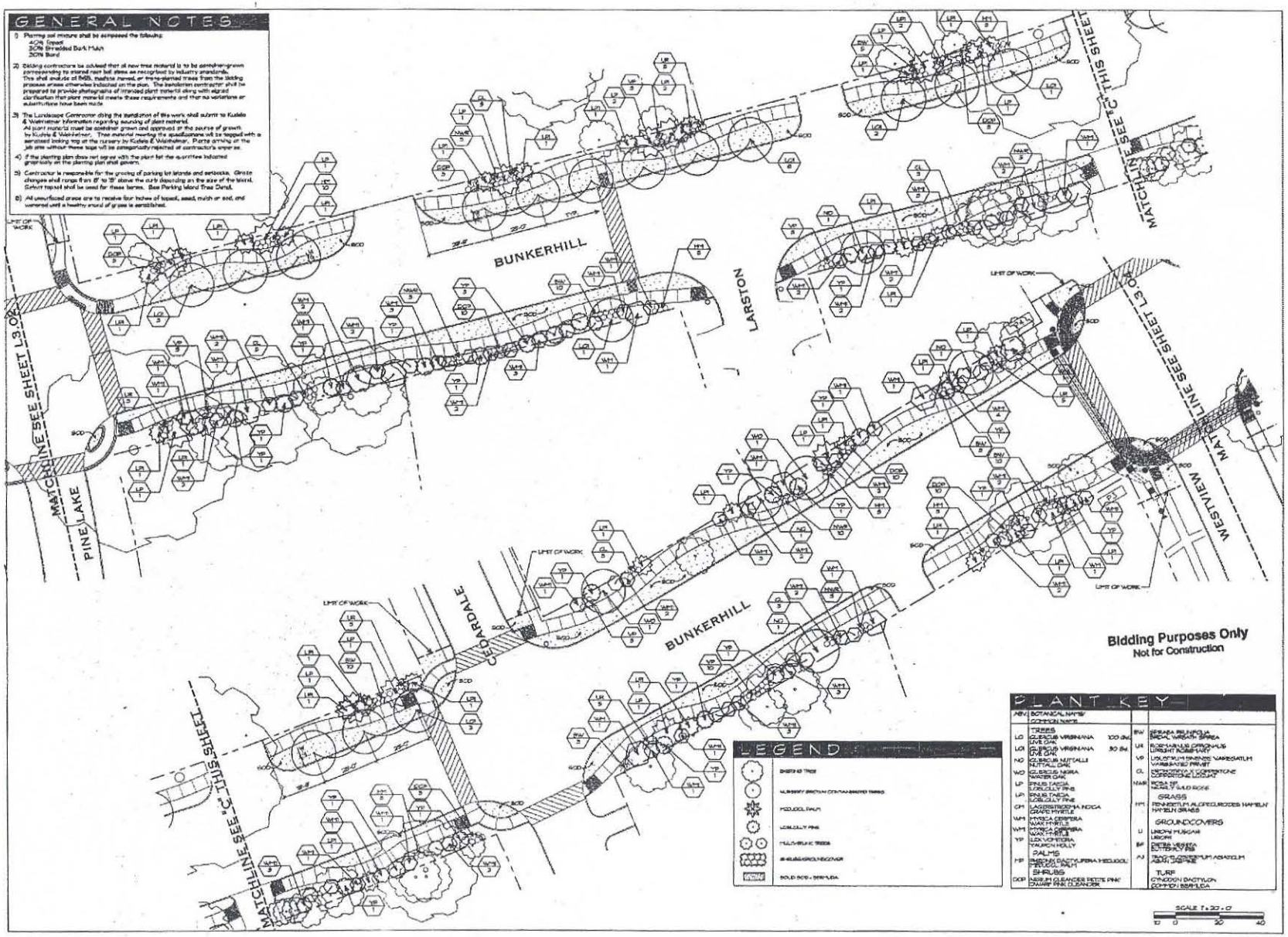
2) Bidding contractors be advised that all new tree material is to be container-grown corresponding to inland nursery tree stock as recognized by industry standards. This shall include all B&B, machine moved, or tree-spaded trees from the bidding process unless otherwise indicated on the plan. The installation contractor shall be prepared to provide photographs of intended plant material along with signed certification that plant material meets these requirements and that no variations or substitutions have been made.

3) The Landscape Contractor doing the installation of the work shall submit to Kudela & Weinheimer information regarding sourcing of plant material. All plant material must be container grown and approved at the source of growth by Kudela & Weinheimer. Tree material meeting the specifications will be tagged with a serialized locking tag at the nursery by Kudela & Weinheimer. Plants arriving at the job site without these tags will be categorically rejected at contractor's expense.

4) If the planting plan does not agree with the plant list the quantities indicated graphically on the planting plan shall govern.

5) Contractor is responsible for the grading of parking lot islands and setbacks. Grade changes shall range from 6" to 18" above the curb depending on the size of the island. Screen topsoil shall be used for these areas. See Parking Island Tree Detail.

6) All unsurfaced areas are to receive four inches of topsoil, seed, mulch or sod, and watered until a healthy stand of grass is established.



PLANTING PLAN

APPENDIX C - p. 33

PLANT KEY

ABV	BOTANICAL NAME / COMMON NAME		ABV	BOTANICAL NAME / COMMON NAME	
	TREES		BAV	SPIRAEA PRUNIFOLIA BRIDAL WREATH SPIREA	
LO	QUERCUS VIRGINIANA LIVE OAK	100 Gal	UR	ROSMARINUS OFFICINALIS UPRIGHT ROSEMARY	
LOI	QUERCUS VIRGINIANA LIVE OAK	30 Gal	VR	LIGUSTRUM SINENSE VARIEGATUM VARIEGATED PRIVET	
NO	QUERCUS NUTTALLII NUTTALL OAK		CL	BOUGAINVILLEA SPECTABILIS COMMON BOUGAINVILLEA	
WO	QUERCUS NIGRA WATER OAK		NWR	ROSA SP. NEW WALD ROSE	
LP	PINUS TAEDA LOBLOLLY PINE		HH	PENNISETUM ALOPECUROIDES HAMELN HAMELN GRASS	
LPI	PINUS TAEDA LOBLOLLY PINE			GROUNDCOVERS	
CH	LAGERSTROEMIA INDICA CRAPE MYRTLE		U	UROPE MUSCAR UROPE	
WM	MYRICA CERIFERA WAX MYRTLE		BF	LYRIOPE MUSCARI BUTTERFLY RIBBON	
WMI	MYRICA CERIFERA WAX MYRTLE		AJ	TRACHELOSPERMUM ASIATICUM ASIAN JASMINE	
YP	ILEX VOMITORIA YAUPON HOLLY			TURF	
	PALMS			CYNODON DACTYLON COTTON BERMUDA	
PIP	PHOENIX DACTYLIFERA MEDJOOL MEDJOOL PALM				
	SHRUBS				
DGP	DEUTZIA GRACILIS DWARF PINK DWARF PINK DEUTZIA				

GENERAL NOTES

1) Planting soil mixture shall be composed the following:
   40% Topsoil
   30% Shredded Bark Mulch
   30% Sand

2) Bidding contractors be advised that all new tree material is to be container-grown corresponding to stated root ball sizes as recognized by industry standards. This shall exclude all B&B, root-bar moved, or transplanted trees from the bidding process unless otherwise indicated on the plan. The installation contractor shall be prepared to provide photographs of transplant plant material along with signed clarification that plant material meets these requirements and that no variations or substitutions have been made.

3) The Landscape Contractor doing the installation of the work shall submit to Kudela & Weinheimer information regarding sourcing of plant material. All plant material must be container grown and approved at the source of growth by Kudela & Weinheimer. Tree material meeting the specifications will be tagged with a serialized locking tag at the nursery by Kudela & Weinheimer. Plants arriving at the job site without these tags will be categorically rejected at contractor's expense.

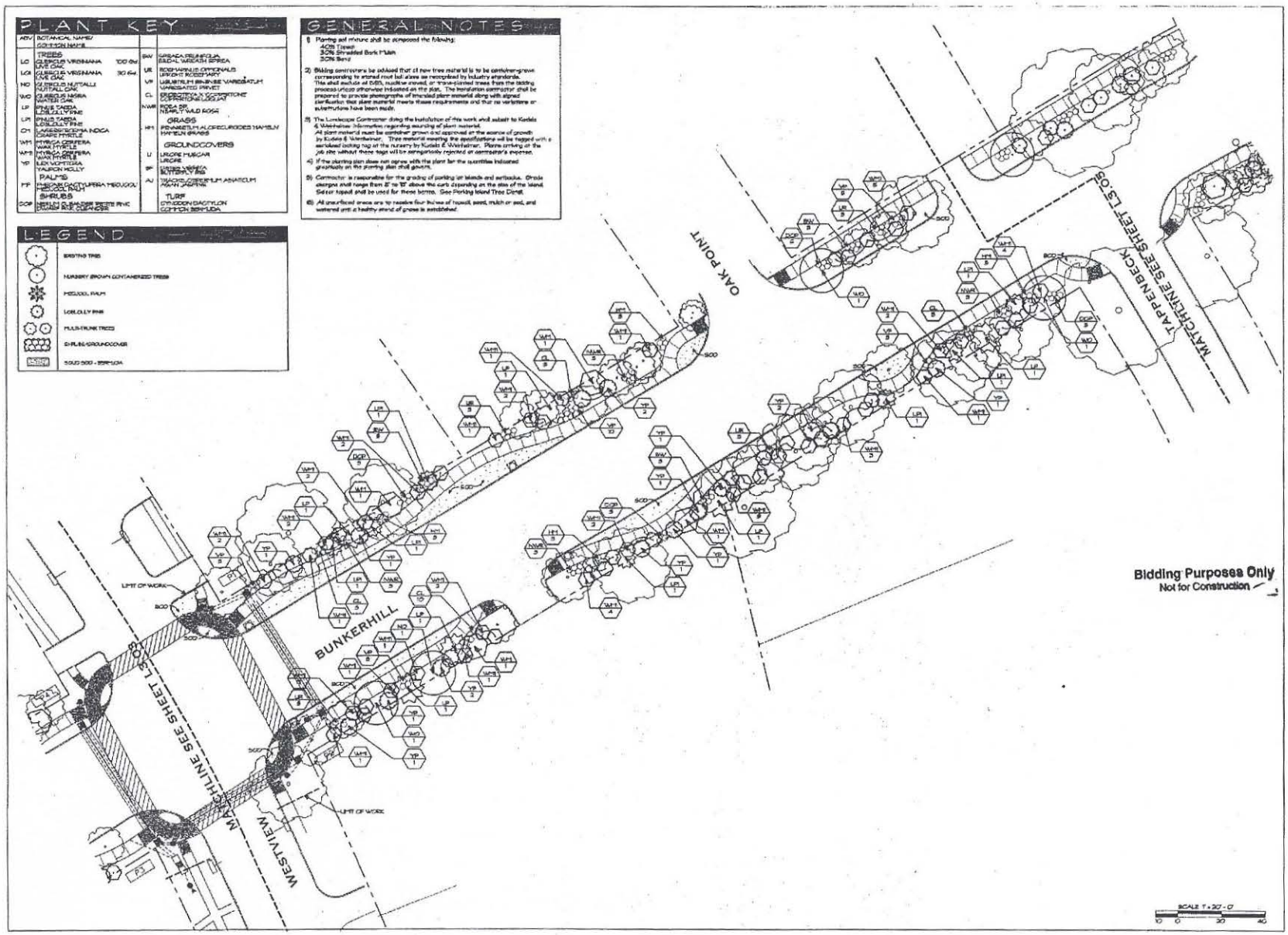
4) If the planting plan does not agree with the plant list the quantities indicated graphically on the planting plan shall govern.

5) Contractor is responsible for the grading of parking lot islands and setbacks. Grade changes shall range from 6" to 18" above the curb depending on the size of the island. Sod or topsoil shall be used for these terms. See Parking Island Tree Detail.

6) All unsurfaced areas are to receive four inches of topsoil, seed, mulch or sod, and watered until a healthy stand of grass is established.

LEGEND

- EXISTING TREE
- NURSERY GROWN CONTAINERIZED TREES
- MEDJOOL PALM
- LOBLOLLY PINE
- MULTI-TRUNK TREES
- SHRUBS/GROUNDCOVER
- SOLID SOD - BERMUDA



BUNKERHILL ROAD

SPRING BRANCH DISTRICT

K&W KUDELA & WEINHEIMER

PLANTING PLAN

APPENDIX C- p. 34

PLANT KEY

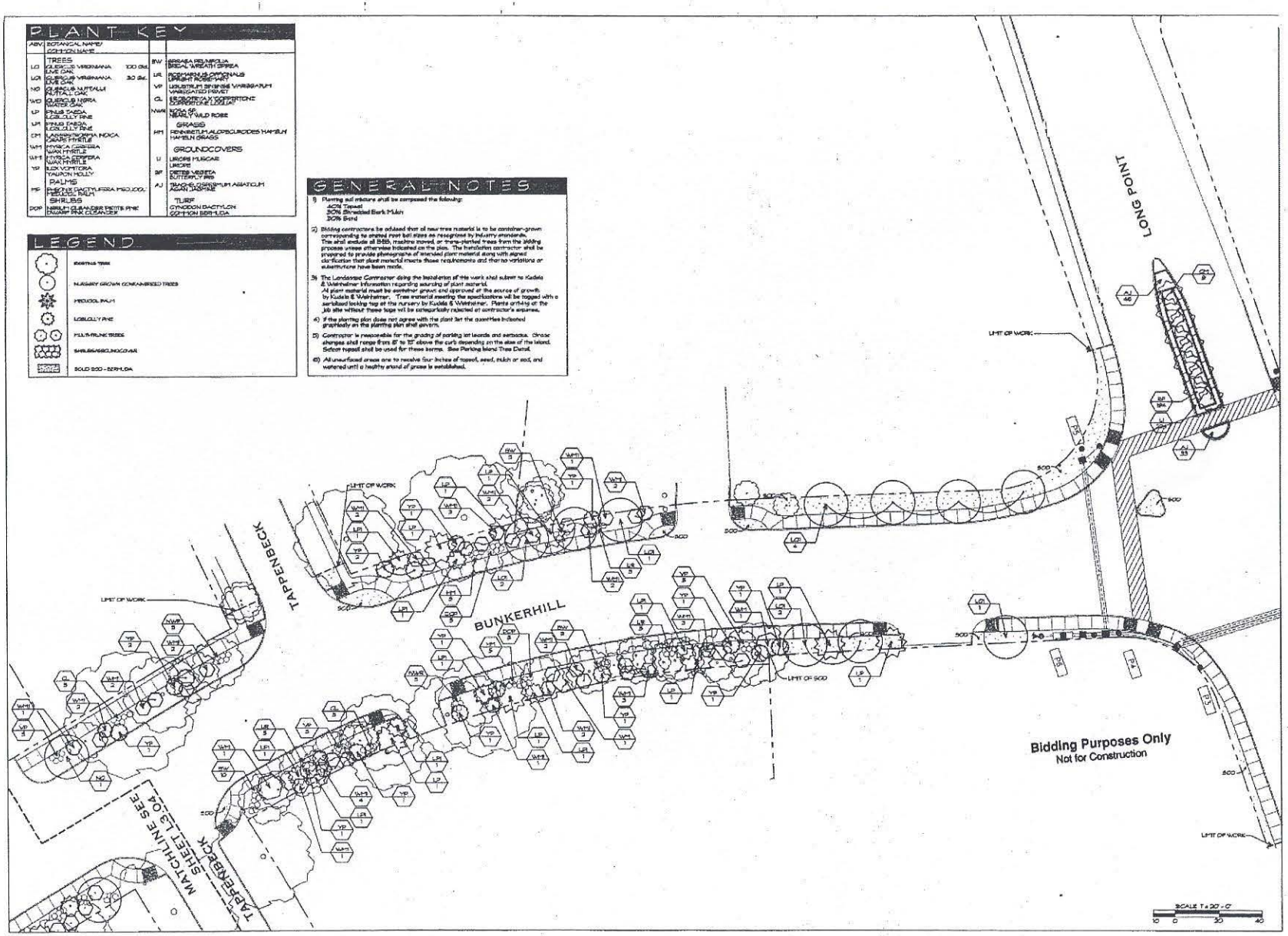
ABV.	BOTANICAL NAME/ COMMON NAME	
	TREES	
LO	QUERCUS VIRGINIANA LIVE OAK	100 GAL
LOI	QUERCUS VIRGINIANA LIVE OAK	30 GAL
NO	QUERCUS NUTTALLII NUTTALL OAK	
WO	QUERCUS NIGRA WATER OAK	
LP	PINUS TAEDA LOBLOLLY PINE	
LPI	PINUS TAEDA LOBLOLLY PINE	
CM	LAGERSTROEMIA INDICA CRAPE MYRTLE	
WM	MYRICA CERIFERA WAX MYRTLE	
WMT	MYRICA CERIFERA WAX MYRTLE	
YP	ILEX VOMITORIA YAUPON HOLLY	
	PALMS	
PE	PHOENIX DACTYLIFERA MEDJOOL MEDJOOL DATE PALM	
	SHRUBS	
DOP	NERIUM OLEANDER DENTA PINE ENGLISH PINK OLEANDER	
BW	ARBUSTA RED NIRVOLA BRIDAL WREATH SPIREA	
LR	ROSMARINUS OFFICINALIS UPRIGHT ROSEMARY	
VP	LIGUSTRUM SINENSE VARIEGATUM VARIEGATED PRIVET	
CL	LEUCOTHOE FONTANESIANA COLORSTORM LEUCOTHOE	
NWR	ROSA SP. NEWPORT WILD ROSE	
	GRASSES	
HM	PENNISETUM ALOPECUROIDES HAMELIN HAMELIN GRASS	
	GROUNDCOVERS	
LI	LIRIOPE MUSCARI LIRIOPE	
BF	DIETES VEGETA BUTTERFLY IRIS	
AJ	ZEPHYRANTHES ATAMASCO ZEPHYR LILY	
	TURF	
	CYNODON DACTYLON COMMON BERMUDA	

LEGEND

- EXISTING TREE
- NURSERY GROWN CONTAINERIZED TREES
- MEDJOOL PALM
- LOBLOLLY PINE
- FULL-FORM TREES
- SHRUBS/GROUNDCOVER
- SOLID SOD - BERMUDA

GENERAL NOTES

1) Planting soil mixture shall be composed the following:
   - 40% Topsoil
   - 30% Shredded Bark Mulch
   - 30% Sand
2) Bidding contractors be advised that all new tree material is to be container-grown corresponding to stated root ball sizes as recognized by industry standards. This shall exclude all B&B, machine moved, or transplanted trees from the bidding process unless otherwise indicated on the plan. The installation contractor shall be prepared to provide photographs of intended plant material along with signed clarification that plant material meets those requirements and that no variations or substitutions have been made.
3) The Landscape Contractor doing the installation of this work shall submit to Kudela & Weinheimer information regarding sourcing of plant material. All plant material must be container grown and approved at the source of growth by Kudela & Weinheimer. Trees material meeting the specifications will be tagged with a certified looking tag at the nursery by Kudela & Weinheimer. Plants arriving at the job site without these tags will be categorically rejected at contractor's expense.
4) If the planting plan does not agree with the plant list the quantities indicated graphically on the planting plan shall govern.
5) Contractor is responsible for the grading of parking lot islands and setbacks. Grade shapes shall range from 8" to 12" above the curb depending on the size of the island. Select topsoil shall be used for these berms. See Parking Island Tree Detail.
6) All unsurfaced areas are to receive four inches of topsoil, seed, mulch or sod, and watered until a healthy stand of grass is established.

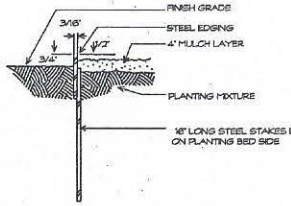


BUNKERHILL

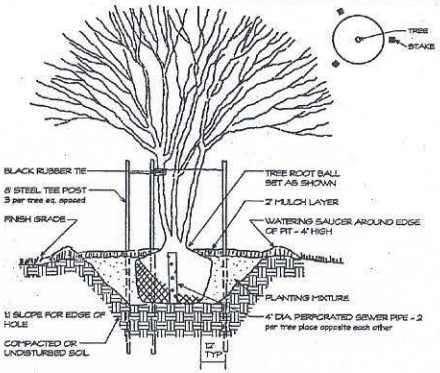
KUDELA & WEINHEIMER

PLANTING PLAN

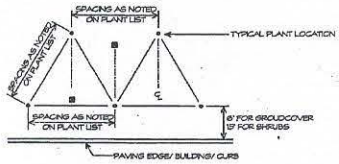
APPENDIX C - p. 35



5 STEEL EDGING DETAIL
NOT TO SCALE



3 MULTI-TRUNK TREE PLANTING DETAIL
NOT TO SCALE



4 TRIANGULAR SPACNG DIAGRAM
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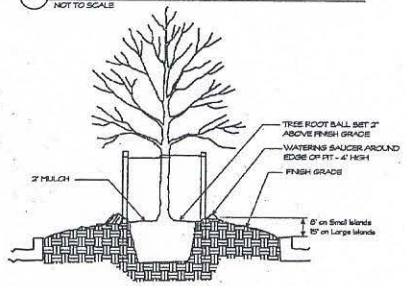

2 PARKING ISLAND TREE DETAIL
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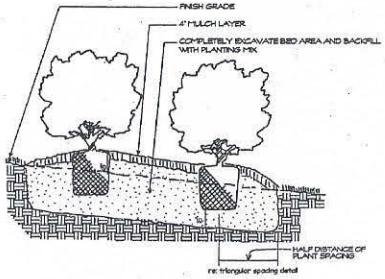

3 SHRUB/ GROUNDCOVER PLANTING
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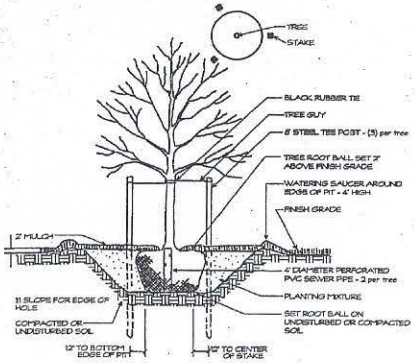


1 STANDARD TREE PLANTING DETAIL
NOT TO SCALE

Bidding Purposes Only
Not for Construction

PLANT LIST

ABV	BOTANICAL NAME/ COMMON NAME	CALIPER	HEIGHT	SPREAD	MIN. ROOT	REMARKS
	TREES					
LO	QUERCUS VIRGINIANA LIVE OAK	4"-4 1/2"	9-10'	4-5'	100 Gal.	MATCHED, WELL ROOTED
LO1	QUERCUS VIRGINIANA LIVE OAK	2-3 1/2"	9-10'	4-5'	30 Gal.	MATCHED, WELL ROOTED
NO	QUERCUS NUTTALLI NUTTALL OAK	2 1/2"-3"	9-10'	4-5'	30 Gal.	MATCHED, WELL ROOTED
WO	QUERCUS NIGRA WATER OAK	1 1/2"-2"	8-10'	3' - 4'	30 Gal.	MATCHED, WELL ROOTED,STAKED
LP	PINUS TAEDA LOBLOLLY PINE	2 1/2 "	8-10'	3' - 4'	30 Gal.	MATCHED, WELL ROOTED, STAKED
LP1	PINUS TAEDA LOBLOLLY PINE	2 1/2 "	8-10'	3' - 4'	30 Gal.	MATCHED, WELL ROOTED, STAKED
CM	LAGERSTROEMIA INDICA GRAPE MYRTLE	1 1/4" EA. CANE	8-10'	3' - 4'	30 Gal.	MATCHED, WELL ROOTED, 3 CANE, TRIPLE STAKED
WM	MYRICA CERIFERA WAX MYRTLE	1 1/4" EA. CANE	6-7	3' - 6'	30 Gal.	MATCHED, WELL ROOTED, 3 CANE, TRIPLE STAKED
WM1	MYRICA CERIFERA WAX MYRTLE	1 1/4" EA. CANE	5'-6	3' - 5'	15 Gal.	MATCHED, WELL ROOTED, STAKED
YP	ILEX VOMITORIA YAUPON HOLLY	2" - 2 1/2	8' - 10'	4' - 5'	30 Gal.	MATCHED, WELL ROOTED
	PALMS					
MP	PHEONIX RECLINATA 'MEDJOOL' MEDJOOL PALM		8-20' C.T.		B & B	MATCHED, WELL ROOTED, NEEDED
	SHRUBS					
DCP	NERIUM OLEANDER 'PETITE PINK' DWARF PINK OLEANDER		36"	36"	5 GAL.	FULL, WELL ROOTED 30" O.C.
BW	SPIRAEA PRUNIFOLIA BRIDAL WREATH SPIREA		24"	22'	5 Gal.	FULL, WELL ROOTED 30" O.C.
UR	ROSMARINUS OFFICINALIS UPRIGHT ROSEMARY		22'	20'	5 Gal.	FULL, WELL ROOTED 36" O.C.
VP	LIGUSTRUM SINENSE 'VARIEGATUM' VARIEGATED PRIVET		22'	20'	5 Gal.	FULL, WELL ROOTED 30" O.C.
CL	BRACHYCLADUM COTONEASTER COTONEASTER LEDGLAY		22'	22'	5 Gal.	FULL, WELL ROOTED 30" O.C.
NWR	ROSA SP. NEARLY WILD ROSE		18'	18'	5 Gal.	FULL, WELL ROOTED 36" O.C.
	GRASS					
HH	PENNISETUM ALOPECUROIDES HAMELN' HAMELN GRASS		24'	24'	5 Gal.	FULL, WELL ROOTED 30" O.C.
	GROUNDCOVERS					
U	LIRIOPE MUSCARI LIRIOPE		8'	8'	1 Gal.	FULL, WELL ROOTED 12" O.C.
BF	ONTEIS VIBISTA BUTTERFLY IRIS		10'	6'	5 Gal.	FULL, WELL ROOTED 18" O.C.
AJ	TRACHELOSPERMUM ASIATICUM ASIAN JASMINE		18'	8'	4" Pots	FULL, WELL ROOTED 8" O.C.
	TURF					
	CYNODON DACTYLON COMMON BERMUDA					SOLID SOD

LEGEND

- EXISTING TREE
- NURSERY GROWN CONTAINERIZED TREES
- MEDJOOL PALM
- LOBLOLLY PINE
- MULTI-TRUNK TREES
- SHRUBS/GROUNDCOVER
- SOLID SOD - BERMUDA

GENERAL NOTES

1) Planting soil mixture shall be composed the following:
   40% Topsoil
   30% Shredded Bark Mulch
   30% Sand

2) Bidding contractors be advised that all new tree material is to be container-grown corresponding to stated root ball sizes as recognized by industry standards. This shall exclude all B&B, machine moved, or trans-planted trees from the bidding process unless otherwise indicated on the plan. The installation contractor shall be prepared to provide photographs of intended plant material along with signed clarification that plant material meets these requirements and that no variations or substitutions have been made.

3) The Landscape Contractor doing the installation of this work shall submit to Kudela & Weinheimer information regarding sourcing of plant material. All plant material must be container grown and approved at the source of growth by Kudela & Weinheimer. Tree material meeting the specifications will be tagged with a serialized locking tag at the nursery by Kudela & Weinheimer. Plants arriving at the job site without these tags will be categorically rejected at contractor's expense.

4) If the planting plan does not agree with the plant list the quantities indicated graphically on the planting plan shall govern.

5) Contractor is responsible for the grading of parking lot islands and setbacks. Grade shoulder shall range from 6" to 15" above the curb depending on the size of the island. Select topsoil shall be used for these berms. See Parking Island Tree Detail.

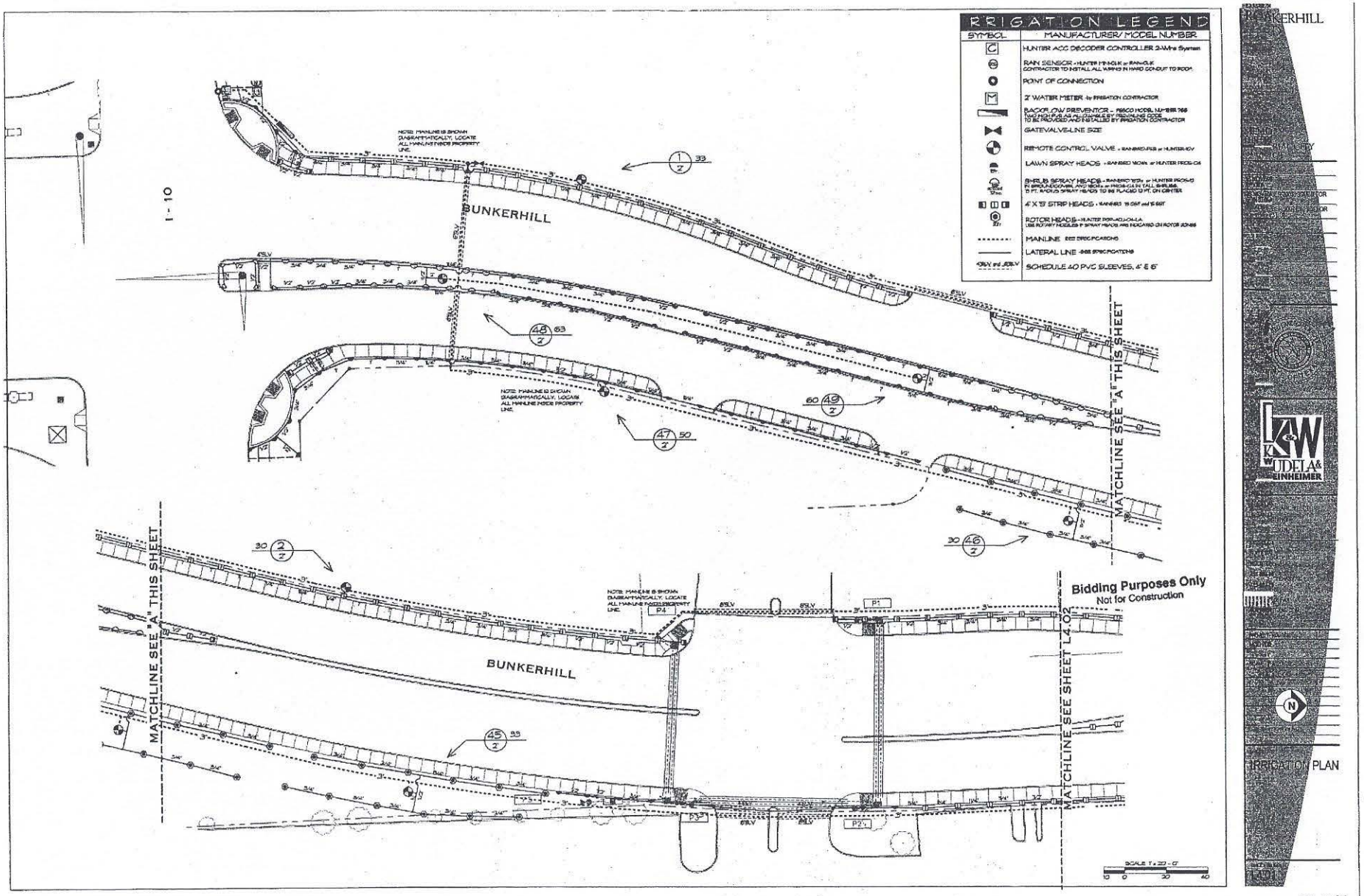
6) All unsurfaced areas are to receive four inches of topsoil, seed, mulch or sod, and watered until a healthy stand of grass is established.

BUNKERHILL ROAD

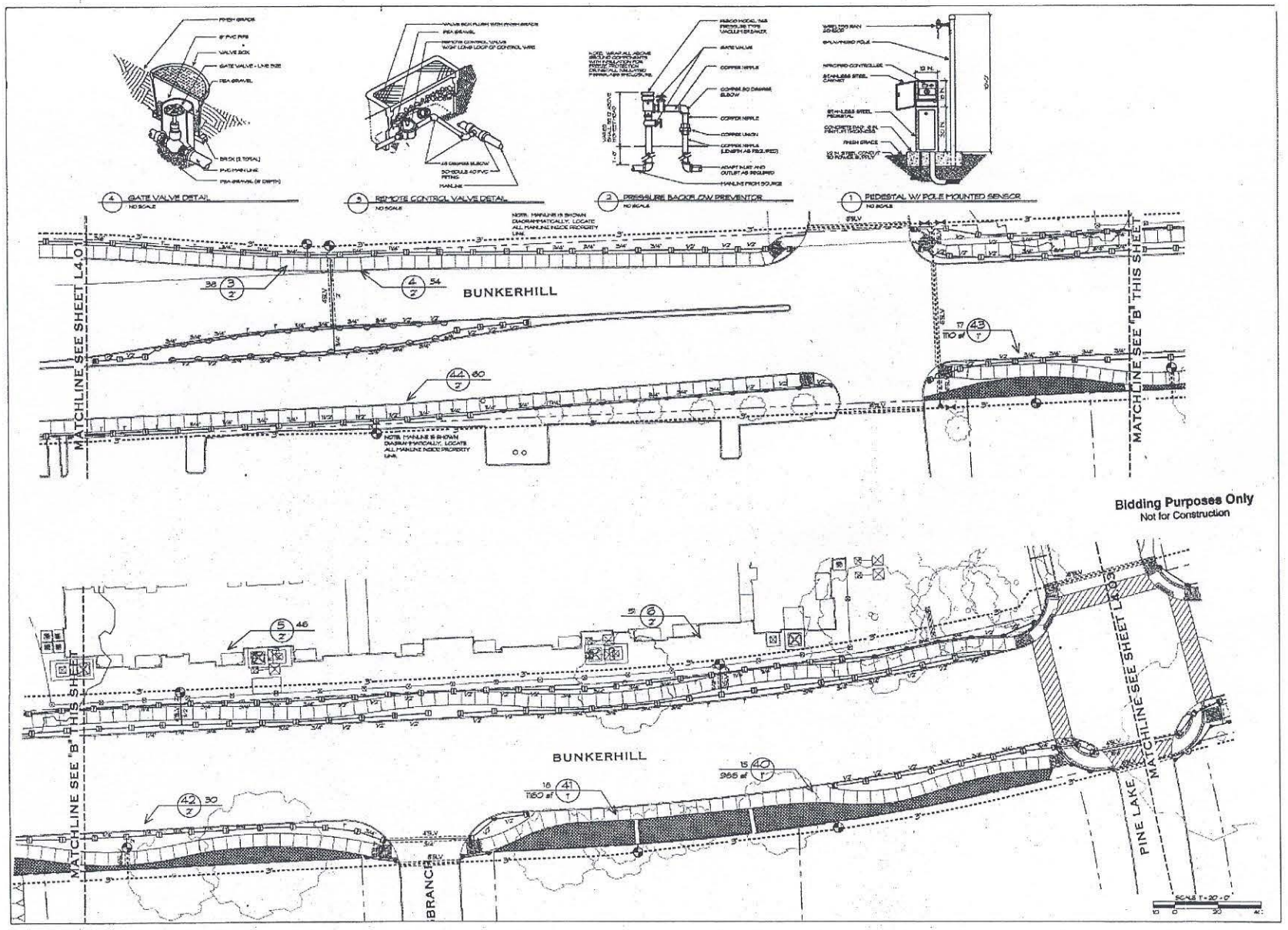
K&W KUDELA & WEINHEIMER

PLANTING DETAILS

APPENDIX C-p.36



APPENDIX C - p. 37



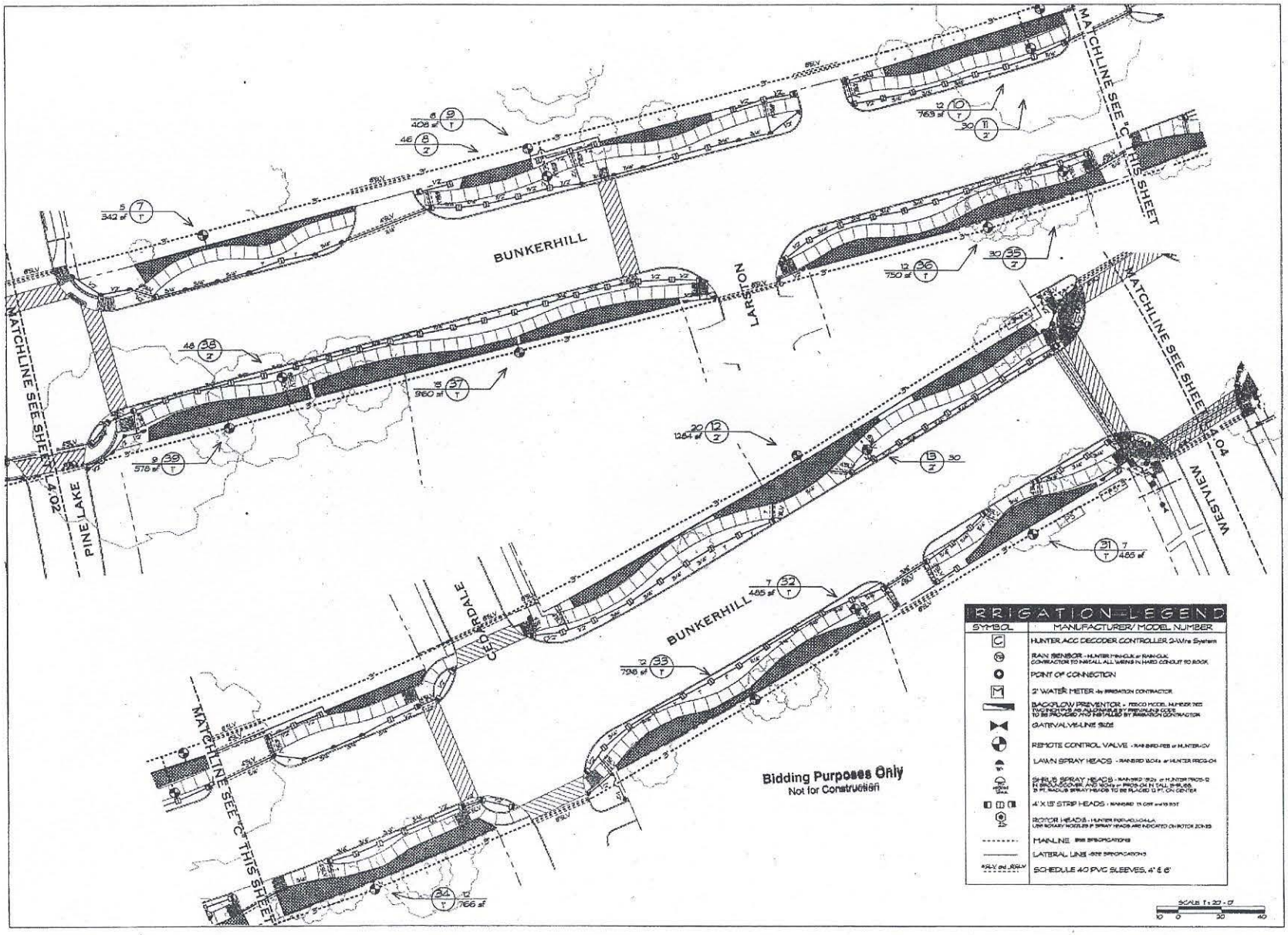
BUNKERHILL ROAD

MEMORIALTY DISTRICT

KUDELA & WEINHEIMER

IRRIGATION PLAN

14.02


BUNKERHILL
LARSTON
PINE LAKE
CHORDALE
WESTVIEW
MATCHLINE SEE "C" THIS SHEET
MATCHLINE SEE SHEET L-02
MATCHLINE SEE SHEET L-04
Bidding Purposes Only
Not for Construction
IRRIGATION LEGEND
SYMBOL
MANUFACTURER/ MODEL NUMBER
HUNTER ACC DECODER CONTROLLER, 2-Wire System
POINT OF CONNECTION
2" WATER METER
BACKFLOW PREVENTOR
GATE VALVE-LINE SIZE
REMOTE CONTROL VALVE
LAWN SPRAY HEADS
4" X 15" STRIP HEADS
ROTOR HEADS
MAINLINE
LATERAL LINE
SCHEDULE 40 PVC SLEEVES, 4" & 6"
SCALE 1=20'-0"

BUNKERHILL ROAD
KUDELA & WEINHEIMER
IRRIGATION PLAN