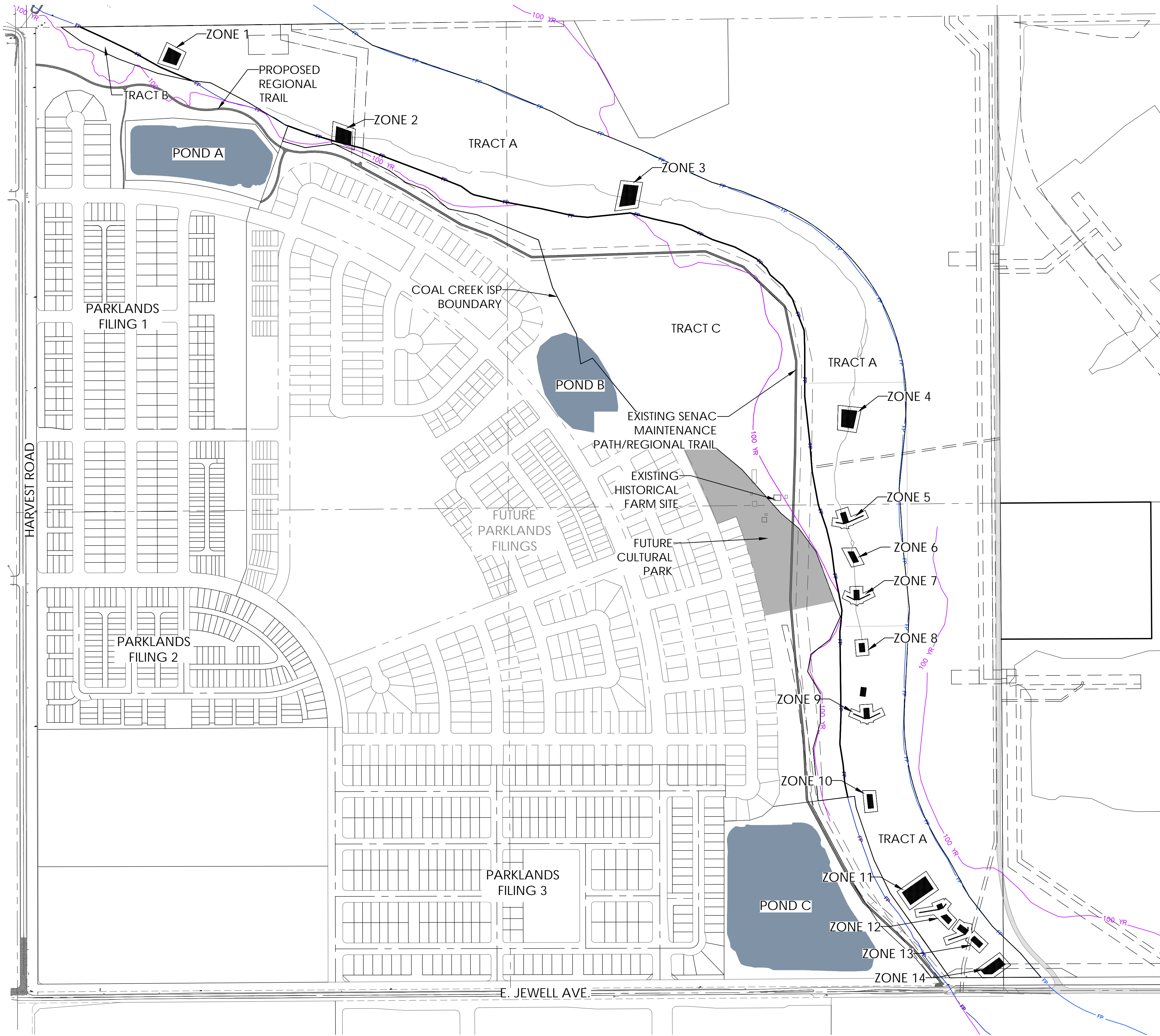
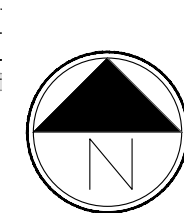


Plot Date/Time: 11/13/2024, 11:43:52 AM, C:\USERS\CSKELTON\APPDATA\LOCAL\TEMP\AC\PUBLISH_14988\COAL_CREEK_ISP_TREE_MITIGATION_SHEETS.DWG-OVERALL



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terraccina
design
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Denver, CO 80231
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NO.	BY	DATE	DESCRIPTION	COMMENTS
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SCALE		##

PARKLANDS COAL CREEK INFRASTRUCTURE PLAN

OVERALL LANDSCAPE PLAN

JOB NO.	231-021.000
SHEET	TM
SHEET NO.	14

PLOT DATE/TIME: 11/13/2024, 11:43:52 AM; C:\USERS\CSKELTON\APPDATA\LOCAL\TEMP\AC\PUBLISH_14988\COAL_CREEK_ISP_TREE_MITIGATION_SHEETS.DWG--NOTES

TREE PRESERVATION/ PROTECTION

(Tree Protection Zone = Critical Root Zone = Area Encompassing One Linear Foot (Radius)
Per Inch of Trunk Diameter (e.g., a 12 inch diameter tree will have a critical root zone with a 12-foot radius, or 24-foot diameter)

1. Fencing shall be placed at construction limits to prevent vehicle and equipment access. Fencing shall be maintained daily. Trespassing beyond established construction limits shall result in a fine of \$100. If not paid within 30 days, the fine shall be deducted from the money due to the contractor. Contractor shall be responsible for all of their workers, subcontractors and material men under this requirement. No vehicle parking is allowed beyond construction limits.
2. Construction within the root zone of trees to remain shall be restricted to the agreed upon limits with regard to excavation access, dirt stockpiling and backfill. Violation of set limits shall result in a fine of \$100 per incidence and may be increased based on the percentage of root zone affected times the value of the tree established prior to construction. If more than 30% of the root zone is damaged, the fine shall be the full value of the tree.
3. Damage to the main trunks of trees is prohibited. Damage not previously approved shall result in a fine or \$100 per incident. Damage to greater than 10% of the main trunk, not resulting in structural damage shall result in a fine based on the percentage of the circumference affected. Damage greater than 30% of the circumference or affecting the structural integrity of the tree will result in a fine equal to the full appraised value of the tree.
4. Limb damage is prohibited, unless approved prior to construction or as authorized by the City Forestry Department. Pruning of affected branches shall be done prior to the start of construction. Damaged branches shall be pruned within 10 days of occurrence utilizing International Society of Arboriculture Standards. Unauthorized branch damage or loss can result in a fine of \$100 per branch as may be determined by the construction manager or his forestry consultant.
5. Concrete truck washout areas shall be in designated areas only. Washout run-off shall not flow into or across the root zones of trees.
6. Tree protection measures shall be in place prior to construction and inspected by the City Forestry Division.
7. When working near trees that were retained in their original location, the soil or terrain in a radius equal to one linear foot from the trunk base for every inch of tree diameter should not be disturbed (e.g., grade changes (cut or fill), trenching, curb and gutter installation, road grading/paving, material/equipment storage). For example, if the subject tree is 12 inches in diameter (as measured at 4.5 feet above grade), then there should be a disturbance-free zone representing a minimum 12-foot radius around the tree. Exceptions to this recommendation can be made on a case by case basis. For example, if construction related activities will occur near the critical root zone on only one side of the tree, then the formula described above can be divided by two (i.e., if the subject tree is 12 inches in diameter, then there should be a disturbance-free zone representing a minimum 6-foot radius for that side of the tree).
8. Any root larger than 1 inch diameter that is severed, torn or otherwise injured by construction should be cut cleanly using a sharp hand tool (pruner, saw or lopper). No paint or dressing of any type shall be used to coat or dress pruning cuts on roots or branches.
9. No objects or materials shall be leaned against or supported by a tree's trunk, branches or exposed roots. The attachment or installation to trees of any sign coble, wire, nail or any other material that . ,s not needed to help support the natural structure of the tree is prohibited.
10. Any herbicides applied under paving materials must be safe for use around trees and labeled for such use. Soil sterilants shall not be used in any location or for any purpose.
11. Prior to construction, root pruning of established or retained trees is a necessary practice to prevent or minimize the ripping, pulling or tearing of roots by construction equipment, especially during grading and trenching. Trees subject to or affected by conditions described in No. 7 above shall be identified and root pruned after the limits of construction have been staked, and before construction commences. Root pruning trench lines shall be marked with paint. The distance between the root pruning trench and the tree trunk will be determined in the field, based on factors such as: the limits of construction staking; tree health, size and location; extent of the existing dripline; and related factors. In most cases the root pruning trench will occur outside the critical root zone. Pruning shall occur with a mechanical root pruner, or equivalent, and trench depth shall be approximately 14-20 inches. Excavated soil shall be backfilled in the trench immediately after trenching. Roots shall be pruned by hand in areas inaccessible to the root pruning machine. All root pruned trees shall receive supplemental water.
12. The need for H construction protection devices and measures ff such as retaining walls, special fencing, aeration systems and sand wells around tree trunks shall be determined on a case by case basis.

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CHECK	XXX	##/##/####
SCALE		##

PARKLANDS COAL CREEK INFRASTRUCTURE PLAN

NOTES

JOB NO.	231-021.000
SHEET	TM
SHEET NO.	15

COAL CREEK TREE MITIGATION CHARTS

TREE NUMBER	TREE CALIPER IN INCHES	CONDITION %	UNIT TREE COST	SPECIES FACTOR %	LOCATION %	APPRAISED VALUE	MITIGATION INCHES
1	16	69%	\$ 9,445.12	0.85	0.7	\$ 3,877.69	11.04
2	4	0%	\$ 590.32	0.85	0.7	\$ -	0
3	4	66%	\$ 590.32	0.85	0.7	\$ 231.82	2.64
4	4	0%	\$ 590.32	0.85	0.7	\$ -	0
5	4	57%	\$ 590.32	0.85	0.7	\$ 200.21	2.28
6	4	0%	\$ 590.32	0.85	0.7	\$ -	0
7	4	0%	\$ 590.32	0.85	0.7	\$ -	0
8	4	0%	\$ 590.32	0.85	0.7	\$ -	0
9	4	0%	\$ 590.32	0.85	0.7	\$ -	0
10	24	75%	\$ 21,251.52	0.85	0.7	\$ 9,483.49	18
11	4	0%	\$ 590.32	0.85	0.7	\$ -	0
12	4	72%	\$ 590.32	0.85	0.7	\$ 252.89	2.88
13	24	72%	\$ 21,251.52	0.85	0.7	\$ 9,104.15	17.28
14	16	72%	\$ 9,445.12	0.85	0.7	\$ 4,046.29	11.52
15	14	42%	\$ 7,231.42	0.85	0.7	\$ 1,807.13	5.88
16	16	69%	\$ 9,445.12	0.85	0.7	\$ 3,877.69	11.04
17	12	60%	\$ 5,312.88	0.85	0.7	\$ 1,896.70	7.2
18	24	0%	\$ 21,251.52	0.85	0.7	\$ -	0
19	30	72%	\$ 33,205.50	0.85	0.7	\$ 14,225.24	21.6
20	12	69%	\$ 5,312.88	0.85	0.7	\$ 2,181.20	8.28
21	12	69%	\$ 5,312.88	0.85	0.7	\$ 2,181.20	8.28
22	12	69%	\$ 5,312.88	0.85	0.7	\$ 2,181.20	8.28
23	8	57%	\$ 2,361.28	0.85	0.7	\$ 800.83	4.56
24	10	66%	\$ 3,689.50	0.85	0.7	\$ 1,448.87	6.6
25	10	63%	\$ 3,689.50	0.85	0.7	\$ 1,383.01	6.3
26	14	63%	\$ 7,231.42	0.85	0.7	\$ 2,710.70	8.82
27	24	72%	\$ 21,251.52	0.85	0.7	\$ 9,104.15	17.28
28	18	69%	\$ 11,953.98	0.85	0.7	\$ 4,907.71	12.42
29	14	66%	\$ 7,231.42	0.85	0.7	\$ 2,839.78	9.24
30	12	63%	\$ 5,312.88	0.85	0.7	\$ 1,991.53	7.56
31	16	75%	\$ 9,445.12	0.85	0.7	\$ 4,214.88	12
32	14	69%	\$ 7,231.42	0.85	0.7	\$ 2,968.86	9.66
33	22	69%	\$ 17,857.18	0.85	0.7	\$ 7,331.27	15.18
34	16	66%	\$ 9,445.12	0.85	0.7	\$ 3,709.10	10.56
35	24	66%	\$ 21,251.52	0.85	0.7	\$ 8,345.47	15.84
36	16	66%	\$ 9,445.12	0.85	0.7	\$ 3,709.10	10.56
37	14	72%	\$ 7,231.42	0.85	0.7	\$ 3,097.94	10.08
38	8	60%	\$ 2,361.28	0.85	0.7	\$ 842.98	4.8
39	18	63%	\$ 11,953.98	0.85	0.7	\$ 4,480.95	11.34
40	18	60%	\$ 11,953.98	0.85	0.7	\$ 4,267.57	10.8
41	16	66%	\$ 9,445.12	0.85	0.7	\$ 3,709.10	10.56
42	10	60%	\$ 3,689.50	0.85	0.7	\$ 1,317.15	6
43	16	66%	\$ 9,445.12	0.85	0.7	\$ 3,709.10	10.56
44	16	72%	\$ 9,445.12	0.85	0.7	\$ 4,046.29	11.52
45	16	72%	\$ 9,445.12	0.85	0.7	\$ 4,046.29	11.52
46	10	60%	\$ 3,689.50	0.85	0.7	\$ 1,317.15	6
47	12	60%	\$ 5,312.88	0.85	0.7	\$ 1,896.70	7.2
48	16	63%	\$ 9,445.12	0.85	0.7	\$ 3,540.50	10.08
49	16	75%	\$ 9,445.12	0.85	0.7	\$ 4,214.88	12
50	16	60%	\$ 9,445.12	0.85	0.7	\$ 3,371.91	9.6
51	14	69%	\$ 7,231.42	0.85	0.7	\$ 2,968.86	9.66
52	8	63%	\$ 2,361.28	0.85	0.7	\$ 885.13	5.04
53	16	63%	\$ 9,445.12	0.85	0.7	\$ 3,540.50	10.08
54	16	72%	\$ 9,445.12	0.85	0.7	\$ 4,046.29	11.52
55	16	72%	\$ 9,445.12	0.85	0.7	\$ 4,046.29	11.52
56	12	72%	\$ 5,312.88	0.85	0.7	\$ 2,276.04	8.64
57	12	72%	\$ 5,312.88	0.85	0.7	\$ 2,276.04	8.64
58	12	72%	\$ 5,312.88	0.85	0.7	\$ 2,276.04	8.64
59	16	75%	\$ 9,445.12	0.85	0.7	\$ 4,214.88	12
60	12	63%	\$ 5,312.88	0.85	0.7	\$ 1,991.53	7.56
61	16	75%	\$ 9,445.12	0.85	0.7	\$ 4,214.88	12
62	22	72%	\$ 17,857.18	0.85	0.7	\$ 7,650.02	15.84
63	18	57%	\$ 11,953.98	0.85	0.7	\$ 4,054.19	10.26
64	16	63%	\$ 9,445.12	0.85	0.7	\$ 3,540.50	10.08
65	16	75%	\$ 9,445.12	0.85	0.7	\$ 4,214.88	12
66	14	75%	\$ 7,231.42	0.85	0.7	\$ 3,227.02	10.5
67	24	75%	\$ 21,251.52	0.85	0.7	\$ 9,483.49	18
68	16	69%	\$ 9,445.12	0.85	0.7	\$ 3,877.69	11.04
69	4	0%	\$ 590.32	0.85	0.7	\$ -	0
70	4	0%	\$ 590.32	0.85	0.7	\$ -	0
71	8	75%	\$ 2,361.28	0.85	0.7	\$ 1,053.72	6
72	8	75%	\$ 2,361.28	0.85	0.7	\$ 1,053.72	6
73	6	66%	\$ 1,328.22	0.85	0.7	\$ 521.59	3.96
74	4	48%	\$ 590.32	0.85	0.7	\$ 168.60	1.92
75	6	69%	\$ 1,328.22	0.85	0.7	\$ 545.30	4.14

TREE NUMBER	TREE CALIPER IN INCHES	CONDITION %	UNIT TREE COST	SPECIES FACTOR %	LOCATION %	APPRAISED VALUE	MITIGATION INCHES
76	14	66%	\$ 7,231.42	0.85	0.7	\$ 2,839.78	9.24
77	8	72%	\$ 2,361.28	0.85	0.7	\$ 1,011.57	5.76
78	14	66%	\$ 7,231.42	0.85	0.7	\$ 2,839.78	9.24
79	6	72%	\$ 1,328.22	0.85	0.7	\$ 569.01	4.32
80	4	0%	\$ 590.32	0.85	0.7	\$ -	0
81	4	0%	\$ 590.32	0.85	0.7	\$ -	0
82	8	75%	\$ 2,361.28	0.85	0.7	\$ 1,053.72	6
84	4	69%	\$ 590.32	0.85	0.7	\$ 242.36	2.76
85	12	75%	\$ 5,312.88	0.85	0.7	\$ 2,370.87	9
86	4	63%	\$ 590.32	0.85	0.7	\$ 221.28	2.52
87	14	75%	\$ 7,231.42	0.85	0.7	\$ 3,227.02	10.5
88	4	66%	\$ 590.32	0.85	0.7	\$ 231.82	2.64
89	4	63%	\$ 590.32	0.85	0.7	\$ 221.28	2.52
90	4	63%	\$ 590.32	0.85	0.7	\$ 221.28	2.52
91	6	66%	\$ 1,328.22	0.85	0.7	\$ 521.59	3.96
92	8	72%	\$ 2,361.28	0.85	0.7	\$ 1,011.57	5.76
93	10	72%	\$ 3,689.50	0.85	0.7	\$ 1,580.58	7.2
94	4	0%	\$ 590.32	0.85	0.7	\$ -	0
95	4	69%	\$ 590.32	0.85	0.7	\$ 242.36	2.76
96	5	63%	\$ 922.38	0.85	0.7	\$ 345.75	3.15
97	12	63%	\$ 5,312.88	0.85	0.7	\$ 1,991.53	7.56
98	4	69%	\$ 590.32	0.85	0.7	\$ 242.36	2.76
99	4	54%	\$ 590.32	0.85	0.7	\$ 189.67	2.16
100	6	66%	\$ 1,328.22	0.85	0.7	\$ 521.59	3.96
101	4	0%	\$ 590.32	0.85	0.7	\$ -	0
102	4	72%	\$ 590.32	0.85	0.7	\$ 252.89	2.88
103	6	72%	\$ 1,328.22	0.85	0.7	\$ 569.01	4.32
104	4	51%	\$ 590.32	0.85	0.7	\$ 179.13	2.04
105	6	60%	\$ 1,328.22	0.85	0.7	\$ 474.17	3.6
106	6	69%	\$ 1,328.22	0.85	0.7	\$ 545.30	4.14
107	6	66%	\$ 1,328.22	0.85	0.7	\$ 521.59	3.96
108	6	72%	\$ 1,328.22	0.85	0.7	\$ 569.01	4.32
109	6	69%	\$ 1,328.22	0.85	0.7	\$ 545.30	4.14
110	12	66%	\$ 5,312.88	0.85	0.7	\$ 2,086.37	7.92
111	6	66%	\$ 1,328.22	0.85	0.7	\$ 521.59	3.96
112a	6	72%	\$ 1,328.22	0.85	0.7	\$ 569.01	4.32
112b		69%	\$ -	0.85	0.7	\$ -	0
113	12	66%	\$ 5,312.88	0.85	0.7	\$ 2,086.37	7.92
114	4	0%	\$ 590.32	0.85	0.7	\$ -	0
115	12	0%	\$ 5,312.88	0.85	0.7	\$ -	0
116	4	0%	\$ 590.32	0.85	0.7	\$ -	0
117	4	0%	\$ 590.32	0.85	0.7	\$ -	0
118	6	69%	\$ 1,328.22	0.85	0.7	\$ 545.30	4.14
119	6	69%	\$ 1,328.22	0.85	0.7	\$ 545.30	4.14
120	4	0%	\$ 590.32	0.85	0.7	\$ -	0
121	8	72%	\$ 2,361.28	0.85	0.7	\$ 1,011.57	5.76
122	12	72%	\$ 5,312.88	0.85	0.7	\$ 2,276.04	8.64
123	4	72%	\$ 590.32	0.85	0.7	\$ 252.89	2.88
124	6	69%	\$ 1,328.22	0.85	0.7	\$ 545.30	4.14
125	6	69%	\$ 1,328.22	0.85	0.7	\$ 545.30	4.14
126	6	0%	\$ 1,328.22	0.85	0.7	\$ -	0
127	8	69%	\$ 2,361.28	0.85	0.7	\$ 969.42	5.52
128	4	60%	\$ 590.32	0.85	0.7	\$ 210.74	2.4
129	12	0%	\$ 5,312.88	0.85	0.7	\$ -	0
130	8	60%	\$ 2,361.28	0.85	0.7	\$ 842.98	4.8
131	6	66%	\$ 1,328.22	0.85	0.7	\$ 521.59	3.96
132	12	0%	\$ 5,312.88	0.85	0.7	\$ -	0
133	10	69%	\$ 3,689.50	0.85	0.7	\$ 1,514.72	6.9
134	6	66%	\$ 1,328.22	0.85	0.7	\$ 521.59	3.96
135	8	0%	\$ 2,361.28	0.85	0.7	\$ -	0
136	4	63%	\$ 590.32	0.85	0.7	\$ 221.28	2.52
137	8	66%	\$ 2,361.28	0.85	0.7	\$ 927.27	5.28
138	4	63%	\$ 590.32	0.85	0.7	\$ 221.28	2.52
139	6	63%	\$ 1,328.22	0.85	0.7	\$ 497.88	3.78
140	4	69%	\$ 590.32	0.85	0.7	\$ 242.36	2.76
141	4	60%	\$ 590.32	0.85	0.7	\$ 210.74	2.4
142	4	0%	\$ 590.32	0.85	0.7	\$ -	0
143	18	66%	\$ 11,953.98	0.85	0.7	\$ 4,694.33	11.88
144	6	69%	\$ 1,328.22	0.85	0.7	\$ 545.30	4.14
145	10	72%	\$ 3,689.50	0.85	0.7	\$ 1,580.58	7.2
146	6	66%	\$ 1,328.22	0.85	0.7	\$ 521.59	3.96
147	12	72%	\$ 5,312.88	0.85	0.7	\$ 2,276.04	8.64
148	12	69%	\$ 5,312.88	0.85	0.7	\$ 2,181.20	8.28
149	4	63%	\$ 590.32	0.85	0.7	\$ 221.28	2.52
150	4	0%	\$ 590.32	0.85	0.7	\$ -	0
151	4	63%	\$ 590.32	0.85	0.7	\$ 221.28	2.52

TREE NUMBER	TREE CALIPER IN INCHES	CONDITION %	UNIT TREE COST	SPECIES FACTOR %	LOCATION %	APPRAISED VALUE	MITIGATION INCHES
152	4	60%	\$ 590.32	0.85	0.7	\$ 210.74	2.4
153	4	66%	\$ 590.32	0.85	0.7	\$ 231.82	2.64
154	4	57%	\$ 590.32	0.85	0.7	\$ 200.21	2.28
155	4	0%	\$ 590.32	0.85	0.7	\$ -	0
156	6	60%	\$ 1,328.22	0.85	0.7	\$ 474.17	3.6
157	8	66%	\$ 2,361.28	0.85	0.7	\$ 927.27	5.28
158	4	0%	\$ 590.32	0.85	0.7	\$ -	0
159	4	69%	\$ 590.32	0.85	0.7	\$ 242.36	2.76
160	6	63%	\$ 1,328.22	0.85	0.7	\$ 497.88	3.78
161	8	66%	\$ 2,361.28	0.85	0.7	\$ 927.27	5.28
162	6	63%	\$ 1,328.22	0.85	0.7	\$ 497.88	3.78
163	6	69%	\$ 1,328.22	0.85	0.7	\$ 545.30	4.14
164	10	69%	\$ 3,689.50	0.85	0.7	\$ 1,514.72	6.9
165	12	66%	\$ 5,312.88	0.85	0.7	\$ 2,086.37	7.92
166	6	0%	\$ 1,328.22	0.85	0.7	\$ -	0
167	6	69%	\$ 1,328.22	0.85	0.7	\$ 545.30	4.14
168	8	75%	\$ 2,361.28	0.85	0.7	\$ 1,053.72	6.9
169	10	72%	\$ 3,689.50	0.85	0.7	\$ 1,580.58	7.2
170	4	0%	\$ 590.32	0.85	0.7	\$ -	0
171	6	66%	\$ 1,328.22	0.85	0.7	\$ 521.59	3.96
172	12	66%	\$ 5,312.88	0.85	0.7	\$ 2,086.37	7.92
173	4	60%	\$ 590.32	0.85	0.7	\$ 210.74	2.4
174	6	69%	\$ 1,328.22	0.85	0.7	\$ 545.30	4.14
175	6	63%	\$ 1,328.22	0.85	0.7	\$ 497.88	3.78
176	6	69%	\$ 1,328.22	0.85	0.7	\$ 545.30	4.14
177	6	72%	\$ 1,328.22	0.85	0.7	\$ 569.01	4.32
178	10	66%	\$ 3,689.50	0.85	0.7	\$ 1,448.87	6.6
179	6	63%	\$ 1,328.22	0.85	0.7	\$ 497.88	3.78
180	6	63%	\$ 1,328.22	0.85	0.7	\$ 497.88	3.78
181	6	66%	\$ 1,328.22	0.85	0.7	\$ 521.59	3.96
182	4	72%	\$ 590.32	0.85	0.7	\$ 252.89	2.88
183	10	72%	\$ 3,689.50	0.85	0.7	\$ 1,580.58	7.2
184	18	78%	\$ 11,953.98	0.85	0.7	\$ 5,547.84	14.04
185	14	75%	\$ 7,231.42	0.85	0.7	\$ 3,227.02	10.5
186	16	75%	\$ 9,445.12	0.85	0.7	\$ 4,214.88	12
187	18	72%	\$ 11,953.98	0.85	0.7	\$ 5,121.09	12.96
188	12	63%	\$ 5,312.88	0.85	0.7	\$ 1,991.53	7.56
189	4	69%	\$ 590.32	0.85	0.7	\$ 242.36	2.76
190	16	0%	\$ 9,445.12	0.85	0.7	\$ -	0
191	14	78%	\$ 7,231.42	0.85	0.7	\$ 3,356.10	10.92
192	16	66%	\$ 9,445.12	0.85	0.7	\$ 3,709.10	10.56
193	4	0%	\$ 590.32	0.85	0.7	\$ -	0
194	18	66%	\$ 11,953.98	0.85	0.7	\$ 4,694.33	11.88
195	18	75%	\$ 11,953.98	0.85	0.7	\$ 5,334.46	13.5
196	4	0%	\$ 590.32	0.85	0.7	\$ -	0
197	4	66%	\$ 590.32	0.85	0.7	\$ 231.82	2.64
198	6	72%	\$ 1,328.22	0.85	0.7	\$ 569.01	4.32
199	14	75%	\$ 7,231.42	0.85	0.7	\$ 3,227.02	10.5
200	18	75%	\$ 11,953.98	0.85	0.7	\$ 5,334.46	13.5
201	4	66%	\$ 590.32	0.85	0.7	\$ 231.82	2.64
202	4	69%	\$ 590.32	0.85	0.7	\$ 242.36	2.76
203	14	69%	\$ 7,231.42	0.85	0.7	\$ 2,968.86	9.66
204	14	72%	\$ 7,231.42	0.85	0.7	\$ 3,097.94	10.08
205	16	60%	\$ 9,445.12	0.85	0.7	\$ 3,371.91	9.6
206	16	72%	\$ 9,445.12	0.85	0.7	\$ 4,046.29	11.52
207	20	72%	\$ 14,758.00	0.85	0.7	\$ 6,322.33	14.4
208	14	60%	\$ 7,231.42	0.85	0.7	\$ 2,581.62	8.4
209	18	72%	\$ 11,953.98	0.85	0.7	\$ 5,121.09	12.96
210	36	75%	\$ 47,815.92	0.85	0.7	\$ 21,337.85	27
211	4	0%	\$ 590.32	0.85	0.7	\$ -	0
212	4	69%	\$ 590.32	0.85	0.7	\$ 242.36	2.76
213	4	66%	\$ 590.32	0.85	0.7	\$ 231.82	2.64
214	4	69%	\$ 590.32	0.85	0.7	\$ 242.36	2.76
215	4	51%	\$ 590.32	0.85	0.7	\$ 179.13	2.04
216	4	69%	\$ 590.32	0.85	0.7	\$ 242.36	2.76
217	4	69%	\$ 590.32	0.85	0.7	\$ 242.36	2.76
218	4	69%	\$ 590.32	0.85	0.7	\$ 242.36	2.76
219	6	69%	\$ 1,328.22	0.85	0.7	\$ 545.30	4.14
220	12	69%	\$ 5,312.88	0.85	0.7	\$ 2,181.20	8.28
221	12	72%	\$ 5,312.88	0.85	0.7	\$ 2,276.04	8.64
222	12	0%	\$ 5,312.88	0.85	0.7	\$ -	0
223	12	0%	\$ 5,312.88	0.85	0.7	\$ -	0
224	16	69%	\$ 9,445.12	0.85	0.7	\$ 3,877.69	11.04
225	16	0%	\$ 9,445.12	0.85	0.7	\$ -	0
226	18	75%	\$ 11,953.98	0.85	0.7	\$ 5,334.46	13.5
227	14	60%	\$ 7,231.42	0.85	0.7	\$ 2,581.62	8.4

COAL CREEK TREE MITIGATION CHARTS

TREE NUMBER	TREE CALIPER IN INCHES	CONDITION %	UNIT TREE COST	SPECIES FACTOR %	LOCATION %	APPRAISED VALUE	MITIGATION INCHES
228	16	0%	\$ 9,445.12	0.85	0.7	\$ -	0
229	16	0%	\$ 9,445.12	0.85	0.7	\$ -	0
230	36	60%	\$ 47,815.92	0.85	0.7	\$ 17,070.28	21.6
231	36	0%	\$ 47,815.92	0.85	0.7	\$ -	0
232	10	45%	\$ 3,689.50	0.85	0.7	\$ 987.86	4.5
233	12	60%	\$ 5,312.88	0.85	0.7	\$ 1,896.70	7.2
234	12	54%	\$ 5,312.88	0.85	0.7	\$ 1,707.03	6.48
235	10	0%	\$ 3,689.50	0.85	0.7	\$ -	0
236	12	0%	\$ 5,312.88	0.85	0.7	\$ -	0
237	10	0%	\$ 3,689.50	0.85	0.7	\$ -	0
238	14	0%	\$ 7,231.42	0.85	0.7	\$ -	0
239	10	0%	\$ 3,689.50	0.85	0.7	\$ -	0
240	10	0%	\$ 3,689.50	0.85	0.7	\$ -	0
241	10	36%	\$ 3,689.50	0.85	0.7	\$ 790.29	3.6
242	16	69%	\$ 9,445.12	0.85	0.7	\$ 3,877.69	11.04
243	10	54%	\$ 3,689.50	0.85	0.7	\$ 1,185.44	5.4
244	12	57%	\$ 5,312.88	0.85	0.7	\$ 1,801.86	6.84
245	16	0%	\$ 9,445.12	0.85	0.7	\$ -	0
246	16	75%	\$ 9,445.12	0.85	0.7	\$ 4,214.88	12
247	12	66%	\$ 5,312.88	0.85	0.7	\$ 2,086.37	7.92
248	16	75%	\$ 9,445.12	0.85	0.7	\$ 4,214.88	12
249	16	63%	\$ 9,445.12	0.85	0.7	\$ 3,540.50	10.08
250	14	63%	\$ 7,231.42	0.85	0.7	\$ 2,710.70	8.82
251	16	72%	\$ 9,445.12	0.85	0.7	\$ 4,046.29	11.52
252	12	60%	\$ 5,312.88	0.85	0.7	\$ 1,896.70	7.2
253	12	63%	\$ 5,312.88	0.85	0.7	\$ 1,991.53	7.56
254	18	75%	\$ 11,953.98	0.85	0.7	\$ 5,334.46	13.5
255	18	39%	\$ 11,953.98	0.85	0.7	\$ 2,773.92	7.02
256	20	69%	\$ 14,758.00	0.85	0.7	\$ 6,058.90	13.8
257	12	63%	\$ 5,312.88	0.85	0.7	\$ 1,991.53	7.56
258	18	69%	\$ 11,953.98	0.85	0.7	\$ 4,907.71	12.42
259	8	0%	\$ 2,361.28	0.85	0.7	\$ -	0
260	14	69%	\$ 7,231.42	0.85	0.7	\$ 2,968.86	9.66
261	14	60%	\$ 7,231.42	0.85	0.7	\$ 2,581.62	8.4
262	10	48%	\$ 3,689.50	0.85	0.7	\$ 1,053.72	4.8
263	12	0%	\$ 5,312.88	0.85	0.7	\$ -	0
264	4	0%	\$ 590.32	0.85	0.7	\$ -	0
265	4	0%	\$ 590.32	0.85	0.7	\$ -	0
266	6	0%	\$ 1,328.22	0.85	0.7	\$ -	0
267	4	0%	\$ 590.32	0.85	0.7	\$ -	0
268	12	51%	\$ 5,312.88	0.85	0.7	\$ 1,612.19	6.12
269	36	75%	\$ 47,815.92	0.85	0.7	\$ 21,337.85	27
270	4	0%	\$ 590.32	0.85	0.7	\$ -	0
271	4	0%	\$ 590.32	0.85	0.7	\$ -	0
272	4	0%	\$ 590.32	0.85	0.7	\$ -	0
273	4	0%	\$ 590.32	0.85	0.7	\$ -	0
274	8	0%	\$ 2,361.28	0.85	0.7	\$ -	0
275	4	0%	\$ 590.32	0.85	0.7	\$ -	0
276	8	0%	\$ 2,361.28	0.85	0.7	\$ -	0
277	4	0%	\$ 590.32	0.85	0.7	\$ -	0
278	4	0%	\$ 590.32	0.85	0.7	\$ -	0
279	4	0%	\$ 590.32	0.85	0.7	\$ -	0
280	6	0%	\$ 1,328.22	0.85	0.7	\$ -	0
281	4	0%	\$ 590.32	0.85	0.7	\$ -	0
282	12	42%	\$ 5,312.88	0.85	0.7	\$ 1,327.69	5.04
283	4	0%	\$ 590.32	0.85	0.7	\$ -	0
284	4	0%	\$ 590.32	0.85	0.7	\$ -	0
285	24	51%	\$ 21,251.52	0.85	0.7	\$ 6,448.77	12.24
286	4	0%	\$ 590.32	0.85	0.7	\$ -	0
287	4	0%	\$ 590.32	0.85	0.7	\$ -	0
288	4	0%	\$ 590.32	0.85	0.7	\$ -	0
289	4	0%	\$ 590.32	0.85	0.7	\$ -	0
290	4	0%	\$ 590.32	0.85	0.7	\$ -	0
291	4	0%	\$ 590.32	0.85	0.7	\$ -	0
292	12	0%	\$ 5,312.88	0.85	0.7	\$ -	0
293	4	0%	\$ 590.32	0.85	0.7	\$ -	0
294	4	0%	\$ 590.32	0.85	0.7	\$ -	0
295	6	0%	\$ 1,328.22	0.85	0.7	\$ -	0
296	4	0%	\$ 590.32	0.85	0.7	\$ -	0
297	4	0%	\$ 590.32	0.85	0.7	\$ -	0
298	4	0%	\$ 590.32	0.85	0.7	\$ -	0
299	4	0%	\$ 590.32	0.85	0.7	\$ -	0
300	42	75%	\$ 65,082.78	0.85	0.7	\$ 29,043.19	31.5
301	4	0%	\$ 590.32	0.85	0.7	\$ -	0
302	4	0%	\$ 590.32	0.85	0.7	\$ -	0

TREE NUMBER	TREE CALIPER IN INCHES	CONDITION %	UNIT TREE COST	SPECIES FACTOR %	LOCATION %	APPRAISED VALUE	MITIGATION INCHES
303	4	0%	\$ 590.32	0.85	0.7	\$ -	0
304	4	0%	\$ 590.32	0.85	0.7	\$ -	0
305	4	0%	\$ 590.32	0.85	0.7	\$ -	0
306	4	0%	\$ 590.32	0.85	0.7	\$ -	0
307	4	0%	\$ 590.32	0.85	0.7	\$ -	0
308	10	0%	\$ 3,689.50	0.85	0.7	\$ -	0
309	8	72%	\$ 2,361.28	0.85	0.7	\$ 1,011.57	5.76
310	8	63%	\$ 2,361.28	0.85	0.7	\$ 885.13	5.04
311	8	66%	\$ 2,361.28	0.85	0.7	\$ 927.27	5.28
312	10	69%	\$ 3,689.50	0.85	0.7	\$ 1,514.72	6.9
313	14	0%	\$ 7,231.42	0.85	0.7	\$ -	0
314	14	0%	\$ 7,231.42	0.85	0.7	\$ -	0
315	16	75%	\$ 9,445.12	0.85	0.7	\$ 4,214.88	12
316	12	63%	\$ 5,312.88	0.85	0.7	\$ 1,991.53	7.56
317	16	0%	\$ 9,445.12	0.85	0.7	\$ -	0
318	4	0%	\$ 590.32	0.85	0.7	\$ -	0
319	12	51%	\$ 5,312.88	0.85	0.7	\$ 1,612.19	6.12
320	6	0%	\$ 1,328.22	0.85	0.7	\$ -	0
321	8	0%	\$ 2,361.28	0.85	0.7	\$ -	0
322	14	66%	\$ 7,231.42	0.85	0.7	\$ 2,839.78	9.24
323	10	0%	\$ 3,689.50	0.85	0.7	\$ -	0
324	12	0%	\$ 5,312.88	0.85	0.7	\$ -	0
325	12	63%	\$ 5,312.88	0.85	0.7	\$ 1,991.53	7.56
326	8	0%	\$ 2,361.28	0.85	0.7	\$ -	0
327	12	0%	\$ 5,312.88	0.85	0.7	\$ -	0
328	12	66%	\$ 5,312.88	0.85	0.7	\$ 2,086.37	7.92
329	24	69%	\$ 21,251.52	0.85	0.7	\$ 8,724.81	16.56
330	10	69%	\$ 3,689.50	0.85	0.7	\$ 1,514.72	6.9
331	24	57%	\$ 21,251.52	0.85	0.7	\$ 7,207.45	13.68
332	24	75%	\$ 21,251.52	0.85	0.7	\$ 9,483.49	18
333	24	51%	\$ 21,251.52	0.85	0.7	\$ 6,448.77	12.24
334	4	0%	\$ 590.32	0.85	0.7	\$ -	0
335	16	0%	\$ 9,445.12	0.85	0.7	\$ -	0
336	8	0%	\$ 2,361.28	0.85	0.7	\$ -	0
337	12	0%	\$ 5,312.88	0.85	0.7	\$ -	0
338	4	0%	\$ 590.32	0.85	0.7	\$ -	0
TOTAL							1809.15

COAL CREEK ISP TREE MITIGATION SUMMARY

TREES REMOVED & REQUIRED MITIGATED	MITIGATION INCHES REQUIRED
233	1809.2

NOTE: MITIGATED TREES TO BE PROVIDED IN FUTURE FILINGS
ADJACENT TO COAL CREEK

PLOT Date/Time: 11/13/2024, 11:43:55 AM; C:\USERS\CSKELTON\APPDATA\LOCAL\TEMP\AC\PUBLISH_14988\COAL_CREEK_ISP_TREE_MITIGATION_SHEETS.DWG-CHARTS_2

CALL COLORADO
811
OR CALL UTILITY NOTIFICATION
CENTER OF COLORADO
1-800-922-1987
CALL 3-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

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td

terraccina
design

10200 E. Girard Ave, Ste A-314
Denver, CO 80231
ph: 303.632.8867

NO.	BY	DATE	DESCRIPTION	COMMENTS
△				

DRAFT
NOT FOR
CONSTRUCTION

	DESIGN	CHECK	SCALE	DATE
	XXX	XXX	XXX	##/##/####
				##

PARKLANDS COAL CREEK INFRASTRUCTURE PLAN

TREE MITIGATION
CHARTS

JOB NO.	231-021.000
SHEET	TM
SHEET NO.	17

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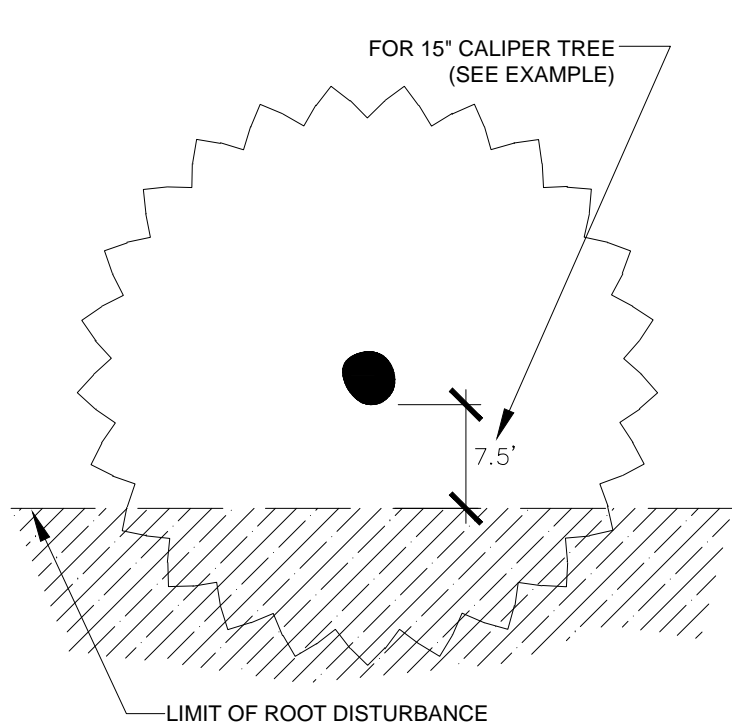
TREE PROTECTION NOTES

CITY OF AURORA STANDARD DETAIL

1. PRIOR TO THE BEGINNING OF CONSTRUCTION, ESTABLISH THE TREE PROTECTION ZONE BY INSTALLING TREE PROTECTION FENCING AROUND ALL EXISTING TREES TO REMAIN. LOCATE FENCING AT THE OUTSIDE OF THE DRIP LINE OF THE TREES OR AT A DISTANCE FROM THE TREE TRUNK OF ONE(1) FOOT OF RADIUS FOR EVERY INCH OF TRUNK DIAMETER, WHICHEVER IS GREATER. FOR GROUPS OF TREES, THE MINIMUM DISTANCE BETWEEN THE TREE TRUNK AND THE FENCING SHALL BE ONE(1) FOOT FOR EACH INCH OF TRUNK DIAMETER. FOLLOWING INSTALLATION OF FENCING, REQUEST INSPECTION BY THE CITY OF AURORA PARKS & FORESTRY DIVISION (303-739-7177) OR AUTHORIZED DESIGNEE.
2. TREE PROTECTION FENCING SHALL BE 4' HEIGHT, ORANGE MESH FENCING ATTACHED TO 'T' POSTS. FENCING SHALL BE INSPECTED AND MAINTAINED DAILY.
3. CONTRACTORS SHALL BE RESPONSIBLE FOR ALL OF THEIR WORKERS, SUBCONTRACTORS AND SUPPLIERS UNDER THIS REQUIREMENT. WITHIN THE TREE PROTECTION ZONE, THE FOLLOWING CONSTRUCT/ON ACTIVITIES SHALL NOT BE ALLOWED EXCEPT AS NECESSARY TO EXECUTE DETAILS TP-2.0, 2. 1, 3.1 & 3.2:
 - A. EQUIPMENT USE AND STORAGE
 - B. MATERIAL DELIVERY OR STORAGE
 - C. VEHICLE TRAFFIC, PARKING, USE OR STORAGE
 - D. SPREADING, EXCAVATING, COMPACTING OR STOCKPILING OF SOIL
 - E. CONCRETE WASH-OUT AREAS AND RUN-OFF FROM CONCRETE WASH-OUT AREAS
 - F. FOOT TRAFFIC
 - G. RUN-OFF CONTAINING HARMFUL LIQUIDS SUCH AS OIL, GAS, PAINT, SOLVENTS, FERTILIZER, ASPHALT, MORTAR, TAR OR SIMILAR MATERIALS
4. VIOLATION OF THE TREE PROTECTION ZONE SHALL RESULT IN A FINE OF \$500 PER INCIDENCE AND MAY BE INCREASED BASED ON THE PERCENTAGE OF THE ZONE AFFECTED MULTIPLIED BY THE FULL VALUE OF THE TREE (OR TREES) ESTABLISHED PRIOR TO CONSTRUCTION. IF MORE THAN 30% OF THE TREE PROTECTION ZONE IS DAMAGED, THE FINE SHALL BE THE FULL VALUE OF THE ADJACENT TREE (OR TREES). FOR THE PURPOSE OF THESE REQUIREMENTS, CONSTRUCTION FENCING (LOCATED AT THE LIMITS OF CONSTRUCTION) SHALL BE TREATED AS TREE PROTECTION FENCING AND SHALL ESTABLISH A TREE PROTECTION ZONE FOR NEARBY TREES.
5. DAMAGE TO THE MAIN TRUNKS OF TREES IS PROHIBITED. DAMAGE NOT PREVIOUSLY DOCUMENTED SHALL RESULT IN A FINE BASED ON THE PERCENTAGE OF THE CIRCUMFERENCE AFFECTED. DAMAGE GREATER THAN 30% OF THE CIRCUMFERENCE OR AFFECTING THE STRUCTURAL INTEGRITY OF THE TREE WILL RESULT IN A FINE EQUAL TO THE FULL VALUE OF THE TREE.
6. LIMB REMOVAL IS PROHIBITED, UNLESS APPROVED PRIOR TO CONSTRUCTION OR AS AUTHORIZED BY THE CITY OF AURORA PARKS & FORESTRY DIVISION. LIMB REMOVAL, IF APPROVED, SHALL BE DONE PRIOR TO THE START OF CONSTRUCT/ON. DAMAGED BRANCHES SHALL BE PRUNED WITHIN 10 DAYS OF THE OCCURRENCE UTILIZING ANSI A300 STANDARDS. UNAUTHORIZED LIMB DAMAGE OR REMOVAL CAN RESULT IN A FINE OF \$500 PER BRANCH AS MAY BE DETERMINED BY THE CONSTRUCTION MANAGER OR HIS FORESTRY CONSULTANT. LIMB REMOVAL AND ALL OTHER APPROVED PRUNING SHALL BE PERFORMED BY A PROFESSIONAL COMPANY THAT IS LICENSED BY THE CITY OF AURORA FORESTRY DIVISION.
7. IF ROOTS GREATER THAN ONE(1) INCH DIAMETER REQUIRE CUTTING/REMOVAL, A CLEAN CUT SHALL BE ACCOMPLISHED USING A SHARP HAND TOOL. A MAXIMUM OF TWO(2) 3-INCH DIAMETER ROOTS PER TREE ARE PERMITTED FOR REMOVAL. THE REMOVAL OF ADDITIONAL ROOTS 3-INCHES OR GREATER IN DIAMETER REQUIRES APPROVAL OF THE CITY FORESTER OR AUTHORIZED DESIGNEE.
8. EXISTING TREES DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE IMMEDIATELY REPAIRED AND IF DAMAGED BEYOND REPAIR, REPLACED PER THE MITIGATION SPECIFICATIONS OUTLINED IN SECTION IV, SUBSECTION A, ITEM 3 OF THE TREE PRESERVATION POLICY. THE MITIGATION PLAN FOR THESE TREES SHALL FOLLOW THAT APPROVED THROUGH THE SITE PLAN SUBMITTAL.

TREE PROTECTION - ONE SIDE

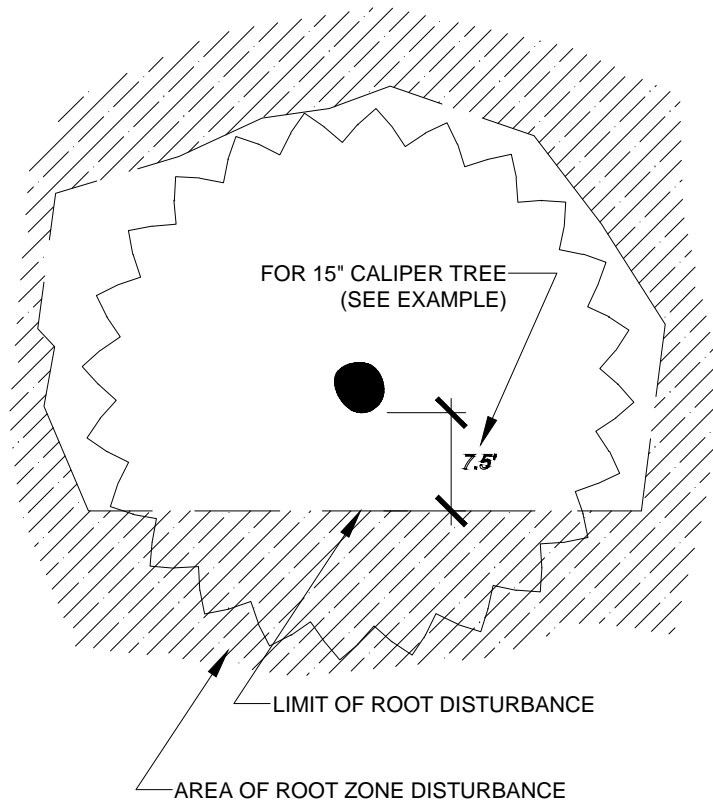
CITY OF AURORA STANDARD DETAIL



- FORMULA FOR LIMIT OF DISTURBANCE:
- ROOT ZONE DISTURBANCE SHALL NOT BE ALLOWED CLOSE TO THE TRUNK OF ANY TREE TO BE PRESERVED. MINIMUM DISTANCE BETWEEN THE TRUNK AND THE DISTURBANCE SHALL BE EQUAL TO 1/2 OF THE TREES DIAMETER CONVERTED TO FEET. (FOR EXAMPLE, FOR A TREE WITH A 15' DIAMETER TRUNK, THE DISTURBANCE CANNOT BE CLOSER THAN 7.5 FEET FROM THE TRUNK.
- REQUIRED TREATMENTS:
1. APPLY PREVENTATIVE SPRAY FOR MOUNTAIN PINE BEETLE (MPB) AND IPS TO PONDEROSA, AUSTRIAN & SCOTCH PINES. TREAT ALL BARK SURFACES, INCLUDING TOP BRANCHES.
 2. IF DISTURBANCE LEAVES A CUT SLOPE, IMMEDIATELY APPLY MULCH AND WATER. IF DISTURBANCE IS A TRENCH, IMMEDIATELY BACKFILL AND WATER.
 3. ONCE PER MONTH, EVALUATE TREE TO DETERMINE IF TREE IS LEANING OR IF BRANCHES/ LEAVES ARE AFFECTED BY ROOT LOSS.
 4. DO NOT FERTILIZE.
 5. INSPECT TREE 2-3 TIMES PER YEAR FOR WATER NEEDS AND MONITOR FOR INSECTS.
 6. PROVIDE SUPPLEMENTAL WATERING DURING 1-3 WINTERS.

TREE PROTECTION - MORE THAN ONE SIDE

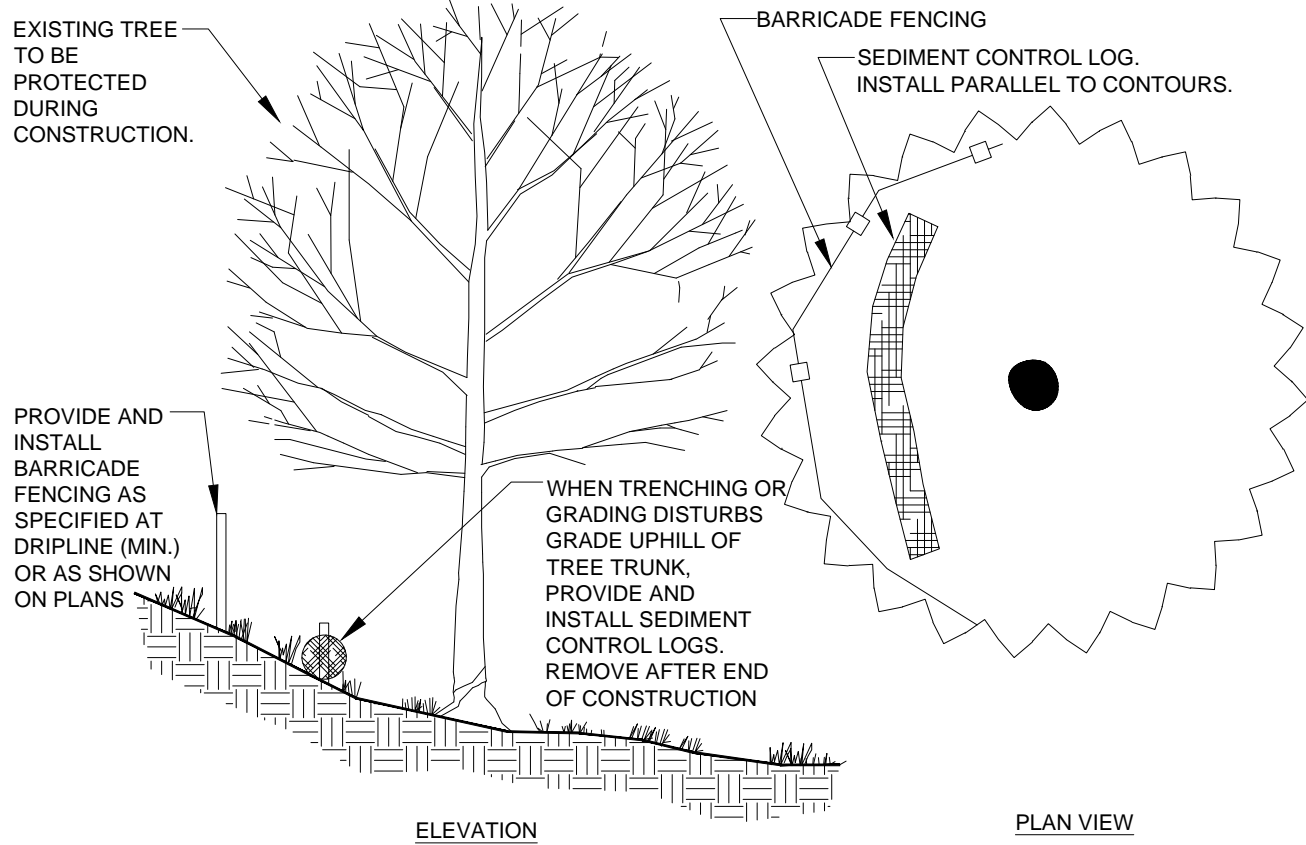
CITY OF AURORA STANDARD DETAIL



- LIMITATIONS OF ROOT ZONE DISTURBANCE:
- ROOT ZONE DISTURBANCE WITHIN THE DRIP LINE SHALL BE LIMITED TO ONE SIDE OF THE TRUNK OF TREES TO BE PRESERVED. MINIMUM DISTANCE BETWEEN THE TRUNK AND THE DISTURBANCE SHALL BE EQUAL TO 1/2 OF THE TREES DIAMETER CONVERTED TO FEET. (FOR EXAMPLE, FOR A TREE WITH A 1.5' DIAMETER TRUNK, THE DISTURBANCE CANNOT BE CLOSER THAN 7.5 FEET FROM THE TRUNK.
- REQUIRED TREATMENTS:
1. APPLY PREVENTATIVE SPRAY FOR MOUNTAIN PINE BEETLE (MPB) AND IPS TO PONDEROSA, AUSTRIAN AND SCOTCH PINES. TREAT ALL BARK SURFACES, INCLUDING TOP BRANCHES.
 2. IF DISTURBANCE LEAVES A CUT SLOPE WITHIN THE DRIFLINE, IMMEDIATELY APPLY MULCH AND WATER.
 3. APPLY 3'-5' OF ORGANIC MULCH OVER THE AREA WITHIN THE DRIFLINE.
 4. EVERY 1-2 WEEKS, APPLY 50-100 GALLONS OF SUPPLEMENTAL WATER.
 5. PROVIDE SUPPLEMENTAL WATER DURING 1-3 WINTERS.
 6. REGULARLY EVALUATE TREE TO DETERMINE IF TREE IS LEANING OR IF BRANCHES/LEAVES ARE AFFECTED BY ROOT LOSS.
 7. INSPECT TREE 2-3 TIMES PER YEAR FOR WATER NEEDS AND MONITOR FOR INSECTS.
 8. INSTALL STAKING OR SUPPORT FOR SMALLER PINE TREES.

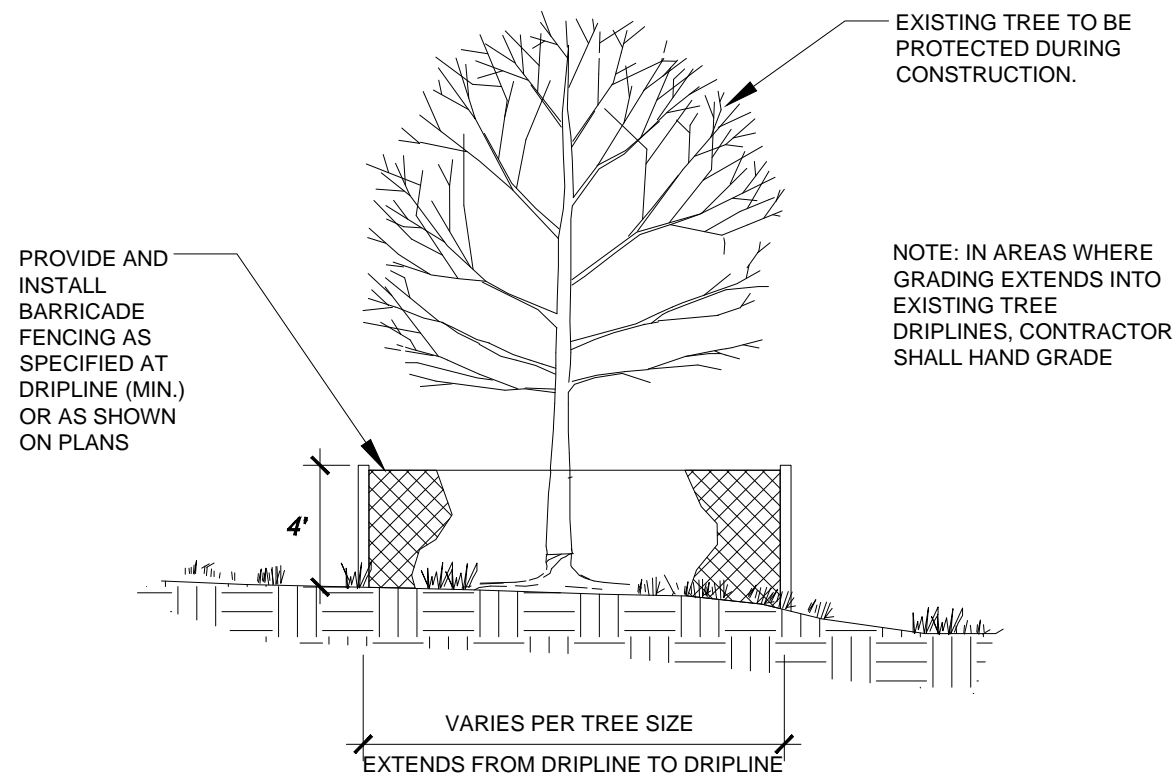
TREE PROTECTION - ON A SLOPE

CITY OF AURORA STANDARD DETAIL

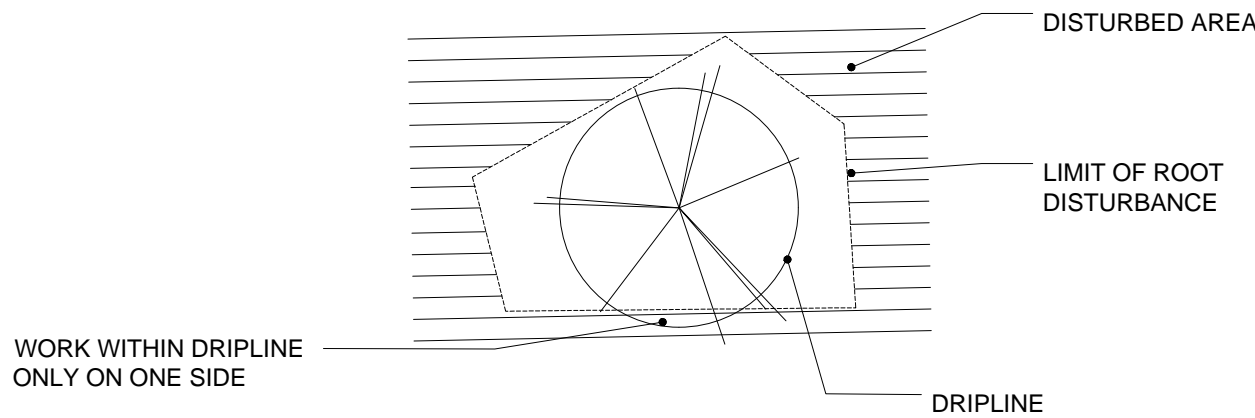


TREE PROTECTION - ELEVATION

CITY OF AURORA STANDARD DETAIL

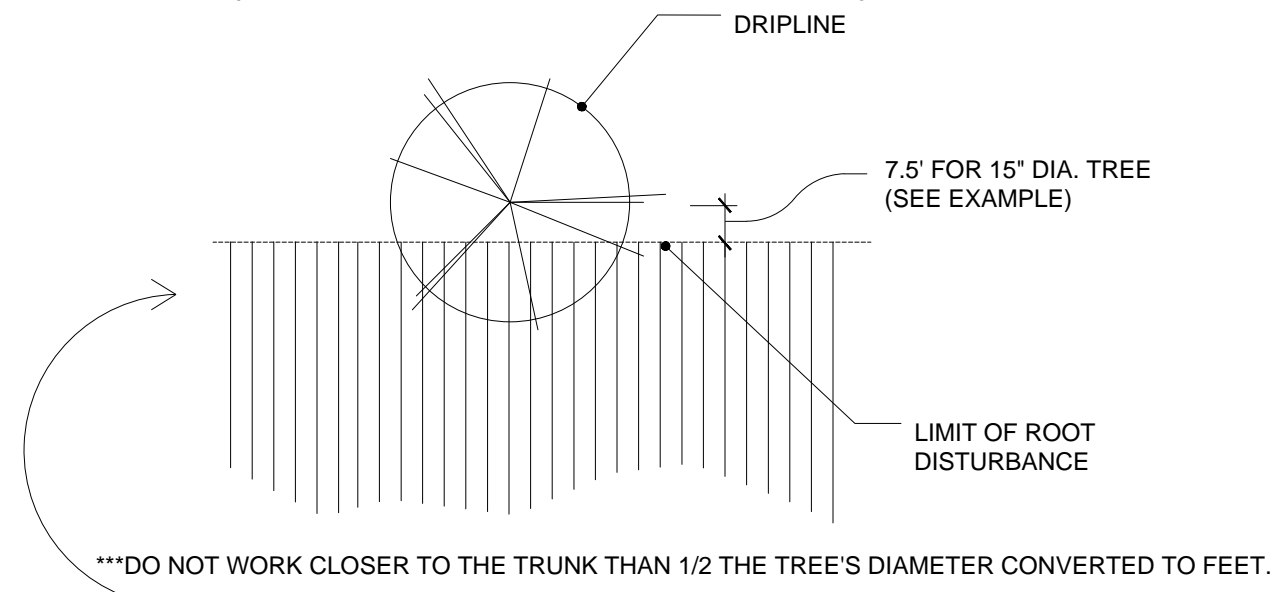


ROOT LOSS ON ONE SIDE WITH SIGNIFICANT IMPACT ON THE TREE SURVIVAL



- WHEN WORKING COMPLETELY AROUND A TREE, DO NOT WORK WITHIN THE DRIPLINE ON MORE THAN ONE SIDE. APPLIES TO TRANSPLANTED AND INTRODUCED PINES AS WELL AS CONSTRUCTION IMPACTED TREES.
- TREATMENT:
- USE 3'-5' OF MULCH EXTENDING TO DRIPLINE.
 - PREVENTATIVE SPRAY FOR MPB AND IPS.
 - ALL BARK SURFACES TO BE TREATED INCLUDING TOP AND BRANCHES
 - SUPPLEMENTAL WATERING, 50-100 GALLONS, APPLIED EVERY 1-2 WEEKS.
 - WINTER WATER FOR 1-3 WINTERS.
 - EVALUATE FOR LEAN OR DEFECT.
 - INSPECT 2-3 TIMES PER YEAR FOR WATER NEEDS AND MONITOR FOR INSECTS.
 - STAKING / SUPPORT ON SMALLER PINES.

ROOT LOSS ON ONE SIDE WITH MINIMAL IMPACT ON THE TREE SURVIVAL (30-120 YEARS OLD PINES)



- EXAMPLE: 15" DIAMETER PINE
15' CONVERTS TO 15'
15' X 1/2 = 7.5'
- TREATMENT:
- PREVENTATIVE SPRAY FOR MOUNTAIN PINE BEETLE (MPB).
 - ALL BARK SURFACES TO BE TREATED INCLUDING TOP BRANCHES.
 - MULCH EDGE OF CUT AREA AND WATER IN.
 - EVALUATE FOR LEAN OR DEFECT.
 - DO NOT FERTILIZE.

NOTE: THIS IS INTENDED AS A GUIDELINE ONLY AND IT IS NOT INTENDED TO BE A HARD AND FAST RULE. TREE AGE, HEALTH AND PROXIMITY TO IMPROVEMENTS CAN AFFECT WORKING DISTANCES.

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CALL COLORADO
811
OR CALL UTILITY NOTIFICATION
CENTER OF COLORADO
1-800-922-1987
CALL 3-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

td

terraccina
design

10200 E. Girard Ave, Ste A-314
Denver, CO 80231
ph: 303.632.8867

NO.	BY	DATE	DESCRIPTION	COMMENTS
1	CSK	11/13/2024	TREE PROTECTION - ONE SIDE	
2	CSK	11/13/2024	TREE PROTECTION - MORE THAN ONE SIDE	
3	CSK	11/13/2024	TREE PROTECTION - ON A SLOPE	
4	CSK	11/13/2024	TREE PROTECTION - ELEVATION	
5	CSK	11/13/2024	ROOT LOSS ON ONE SIDE WITH SIGNIFICANT IMPACT ON THE TREE SURVIVAL	
6	CSK	11/13/2024	ROOT LOSS ON ONE SIDE WITH MINIMAL IMPACT ON THE TREE SURVIVAL (30-120 YEARS OLD PINES)	

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CONSTRUCTION

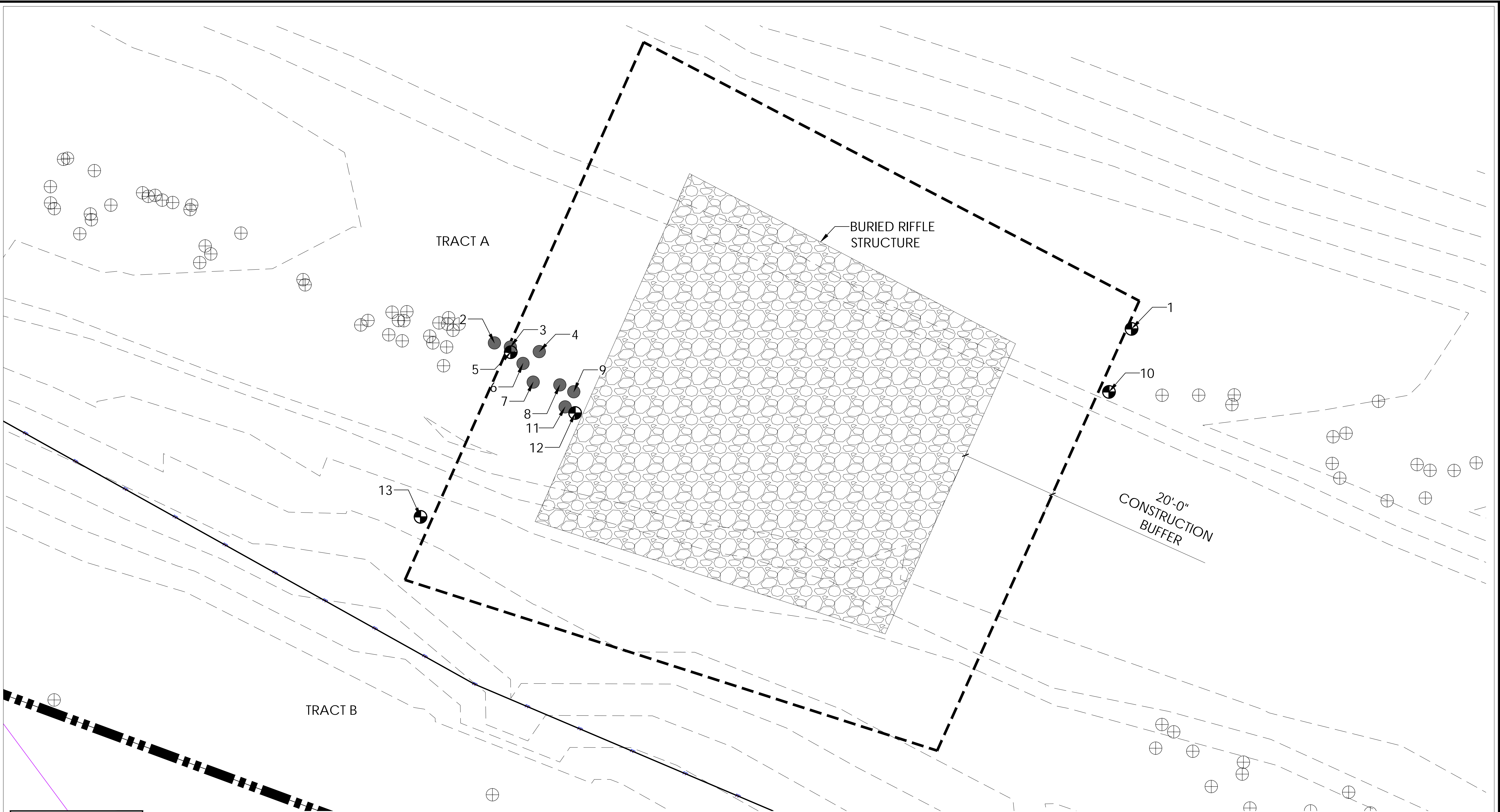
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DESIGN	XXX	##/##/####
DETAIL	XXX	##/##/####
CHECK	XXX	##/##/####
SCALE	##	

PARKLANDS COAL CREEK INFRASTRUCTURE PLAN

DETAILS

JOB NO.	231-021.000
SHEET	TM
SHEET NO.	18

Plot Date/Time: 11/13/2024, 11:43:57 AM; C:\USERS\CSKELTON\APPDATA\LOCAL\TEMP\AC\PUBLISH_14988\COAL CREEK ISP TREE MITIGATION SHEETS.DWG-ZONE 1



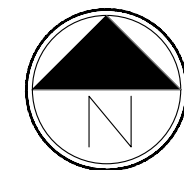
CALL COLORADO
811
OR CALL UTILITY NOTIFICATION
CENTER OF COLORADO
1-800-922-1987
CALL 3-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

LEGEND

	ISP BOUNDARY		EXISTING TELEPHONE LINE
	TRACT LINE		EXISTING WATER LINE
	100 YEAR FLOOD PLAIN		EXISTING FIBER OPTIC
	FLOOD WAY		BURIED RIP-RAP

TREE LEGEND

	TREES TO BE REMOVED & MITIGATED
	DEAD TREES TO BE REMOVED
	EXISTING TREES TO BE PRESERVED



Scale: 1"= 10'-0"

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Denver, CO 80231
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NO.	BY	DATE	DESCRIPTION	COMMENTS
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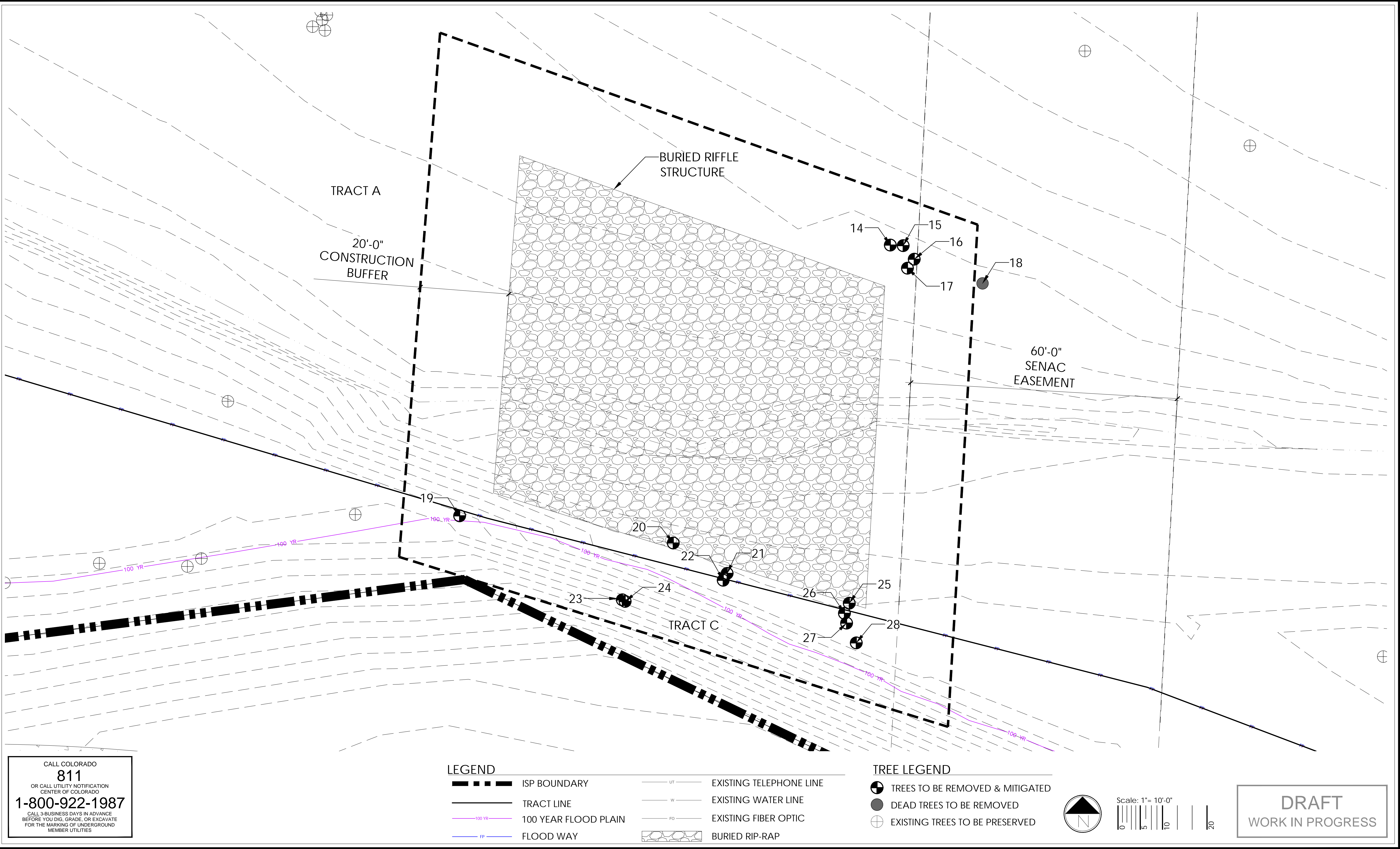
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DETAIL	XXX	##/##/####
CHECK	XXX	##/##/####
SCALE		##

PARKLANDS COAL CREEK INFRASTRUCTURE PLAN

TREE MITIGATION
ZONE 1

JOB NO.	231-021.000
SHEET	TM
SHEET NO.	19

Plot Date/Time: 11/13/2024, 11:43:57 AM; C:\USERS\CSKELTON\APPDATA\LOCAL\TEMP\AC\PUBLISH_14988\COAL CREEK ISP TREE MITIGATION SHEETS.DWG-ZONE 2



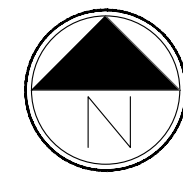
CALL COLORADO
811
OR CALL UTILITY NOTIFICATION
CENTER OF COLORADO
1-800-922-1987
CALL 3-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

LEGEND

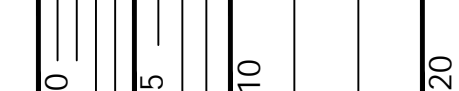
- ISP BOUNDARY
- TRACT LINE
- 100 YEAR FLOOD PLAIN
- FLOOD WAY
- UT EXISTING TELEPHONE LINE
- W EXISTING WATER LINE
- FO EXISTING FIBER OPTIC
- BURIED RIP-RAP

TREE LEGEND

- TREES TO BE REMOVED & MITIGATED
- DEAD TREES TO BE REMOVED
- EXISTING TREES TO BE PRESERVED



Scale: 1"= 10'-0"



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NO.	BY	DATE	DESCRIPTION	COMMENTS
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CONSTRUCTION

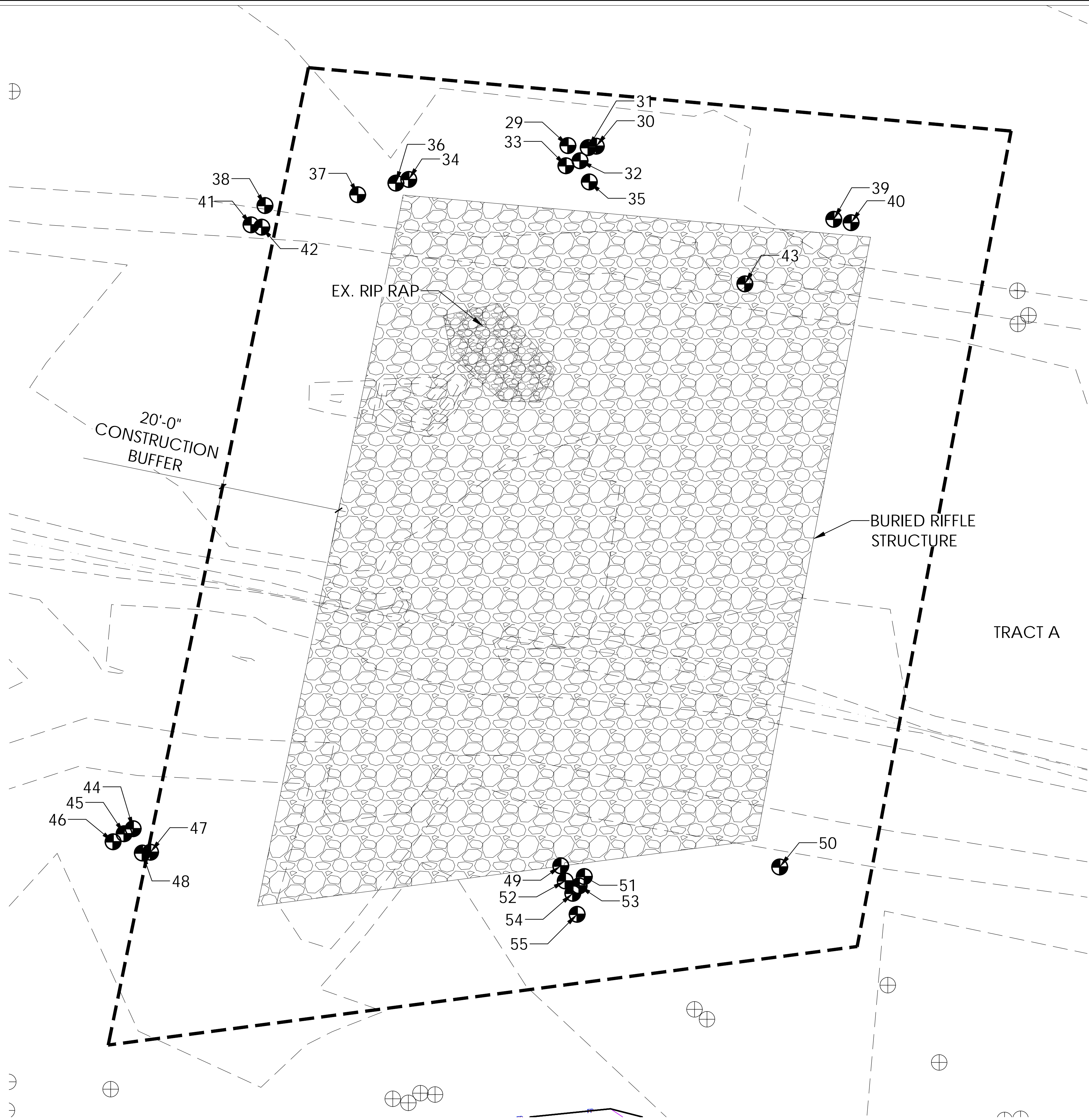
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XXX	XXX	XXX	##/##/####
XXX	XXX	XXX	##/##/####

PARKLANDS COAL CREEK INFRASTRUCTURE PLAN

TREE MITIGATION
ZONE 2

JOB NO.	231-021.000
SHEET	TM
SHEET NO.	20

Plot Date/Time: 11/13/2024, 11:43:59 AM; C:\USERS\CSKELTON\APPDATA\LOCAL\TEMP\AC\PUBLISH_14988\COAL_CREEK_ISP_TREE_MITIGATION_SHEETS.DWG-ZONE 3

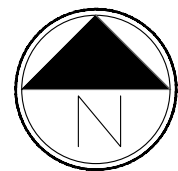


TREE LEGEND

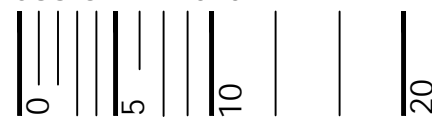
- TREES TO BE REMOVED & MITIGATED
- DEAD TREES TO BE REMOVED
- EXISTING TREES TO BE PRESERVED

LEGEND

- ISP BOUNDARY
- TRACT LINE
- 100 YEAR FLOOD PLAIN
- FLOOD WAY
- EXISTING TELEPHONE LINE
- EXISTING WATER LINE
- EXISTING FIBER OPTIC
- BURIED RIP-RAP



Scale: 1"= 10'-0"



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OR CALL UTILITY NOTIFICATION
CENTER OF COLORADO
1-800-922-1987
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BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

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NO.	BY	DATE	DESCRIPTION	COMMENTS
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NOT FOR
CONSTRUCTION

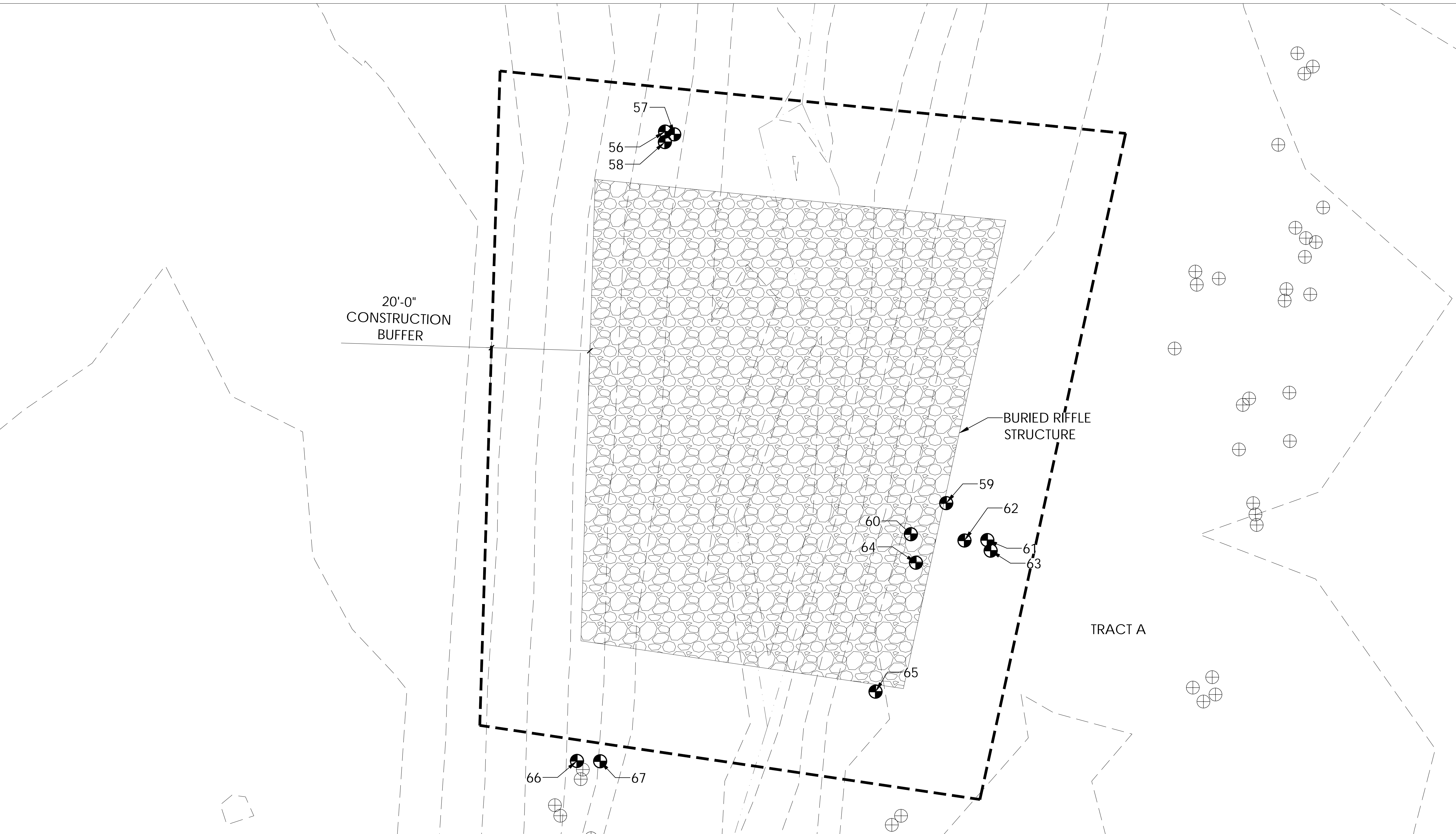
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XXX	XXX	XXX	##/##/####
XXX	XXX	XXX	##/##/####

PARKLANDS COAL CREEK INFRASTRUCTURE PLAN

TREE MITIGATION
ZONE 3

JOB NO.	231-021.000
SHEET	TM
SHEET NO.	21

Plot Date/Time: 11/13/2024, 11:44:00 AM; C:\USERS\CSKELTON\APPDATA\LOCAL\TEMP\AC\PUBLISH_14988\COAL CREEK ISP TREE MITIGATION SHEET.DWG-ZONE 4



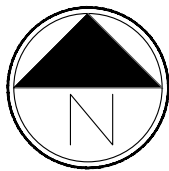
CALL COLORADO
811
OR CALL UTILITY NOTIFICATION
CENTER OF COLORADO
1-800-922-1987
CALL 3-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

LEGEND

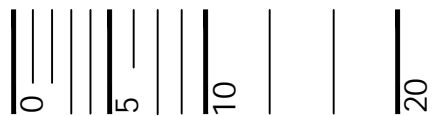
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|--|----------------------|--|----|-------------------------|
| | ISP BOUNDARY | | UT | EXISTING TELEPHONE LINE |
| | TRACT LINE | | W | EXISTING WATER LINE |
| | 100 YEAR FLOOD PLAIN | | FO | EXISTING FIBER OPTIC |
| | FLOOD WAY | | | BURIED RIP-RAP |

TREE LEGEND

- TREES TO BE REMOVED & MITIGATED
- DEAD TREES TO BE REMOVED
- EXISTING TREES TO BE PRESERVED



Scale: 1"= 10'-0"



DRAFT
WORK IN PROGRESS



NO.	BY	DATE	DESCRIPTION	COMMENTS
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CONSTRUCTION

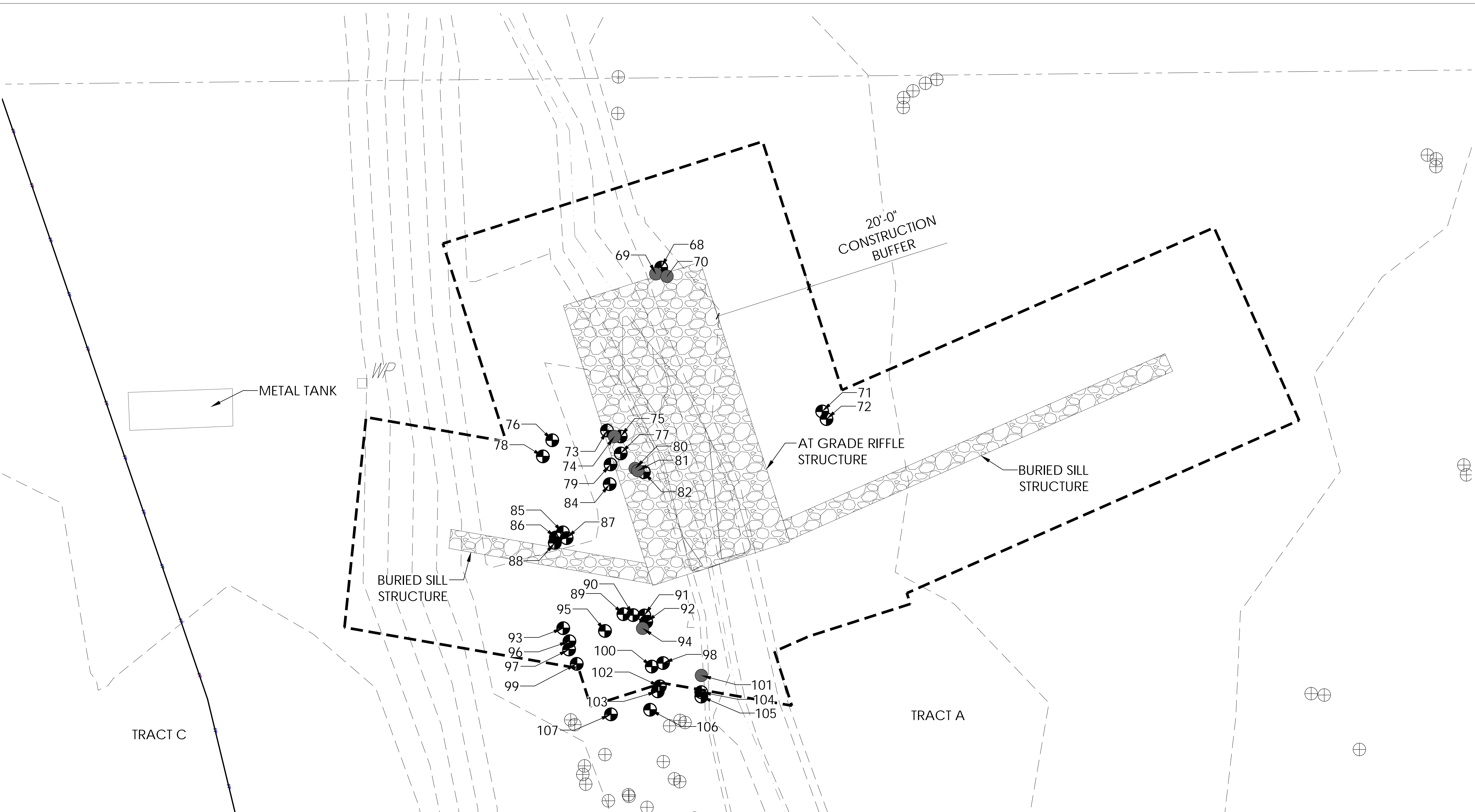
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DETAIL	XXX	##/##/####
CHECK	XXX	##/##/####
SCALE		##

PARKLANDS COAL CREEK INFRASTRUCTURE PLAN

TREE MITIGATION
ZONE 4

JOB NO.	231-021.000
SHEET	TM
SHEET NO.	22

Plot Date/Time: 11/13/2024, 11:44:00 AM; C:\USERS\CSKELTON\APPDATA\LOCAL\TEMP\AC\PUBLISH_14988\COAL_CREEK_ISP_TREE_MITIGATION_SHEETS.DWG-ZONE 5



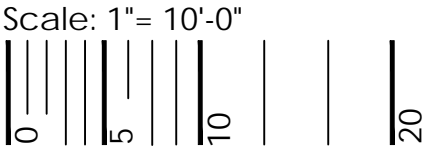
CALL COLORADO
811
OR CALL UTILITY NOTIFICATION
CENTER OF COLORADO
1-800-922-1987
CALL 3-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

LEGEND

- | | | | |
|-----|----------------------|----|-------------------------|
| --- | ISP BOUNDARY | UT | EXISTING TELEPHONE LINE |
| --- | TRACT LINE | W | EXISTING WATER LINE |
| --- | 100 YEAR FLOOD PLAIN | FO | EXISTING FIBER OPTIC |
| --- | FLOOD WAY | | BURIED RIP-RAP |

TREE LEGEND

- Trees to be removed & mitigated
- Dead trees to be removed
- Existing trees to be preserved



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CONSTRUCTION

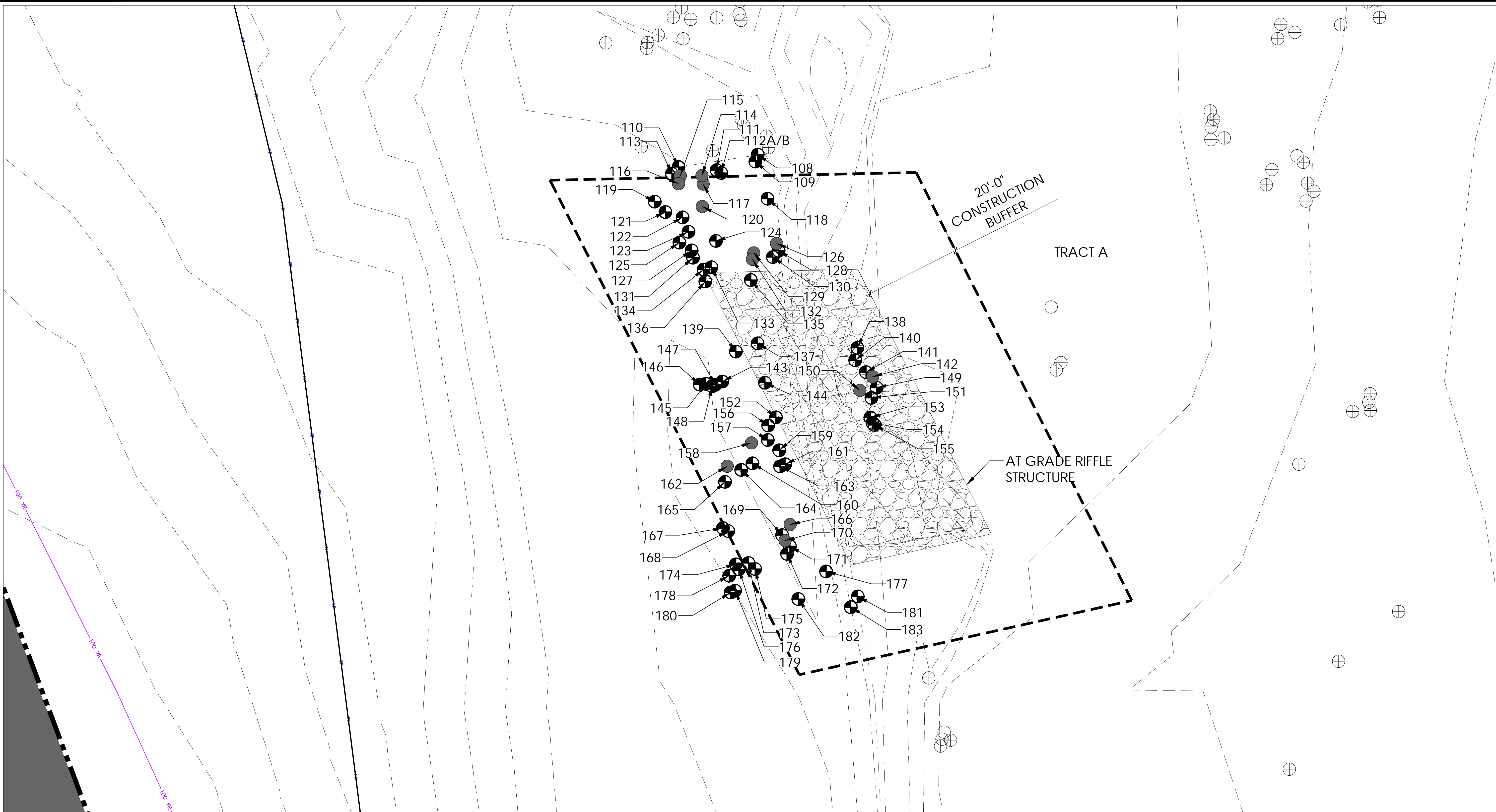
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PARKLANDS COAL CREEK INFRASTRUCTURE PLAN

TREE MITIGATION
ZONE 5

JOB NO.	231-021.000
SHEET	TM
SHEET NO.	23

Plot Date/Time: 11/13/2024, 11:44:02 AM; C:\USERS\CSKELTON\APPDATA\LOCAL\TEMP\AC\PUBLISH_14988\COAL_CREEK_ISP_TREE_MITIGATION_SHEETS.DWG-ZONE 6



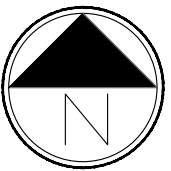
CALL COLORADO
811
OR CALL UTILITY NOTIFICATION
CENTER OF COLORADO
1-800-922-1987
CALL 3-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

LEGEND

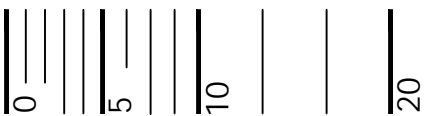
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| | ISP BOUNDARY | | EXISTING TELEPHONE LINE |
| | TRACT LINE | | EXISTING WATER LINE |
| | 100 YEAR FLOOD PLAIN | | EXISTING FIBER OPTIC |
| | FLOOD WAY | | BURIED RIP-RAP |

TREE LEGEND

- TREES TO BE REMOVED & MITIGATED
- DEAD TREES TO BE REMOVED
- EXISTING TREES TO BE PRESERVED



Scale: 1"= 10'-0"



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CONSTRUCTION

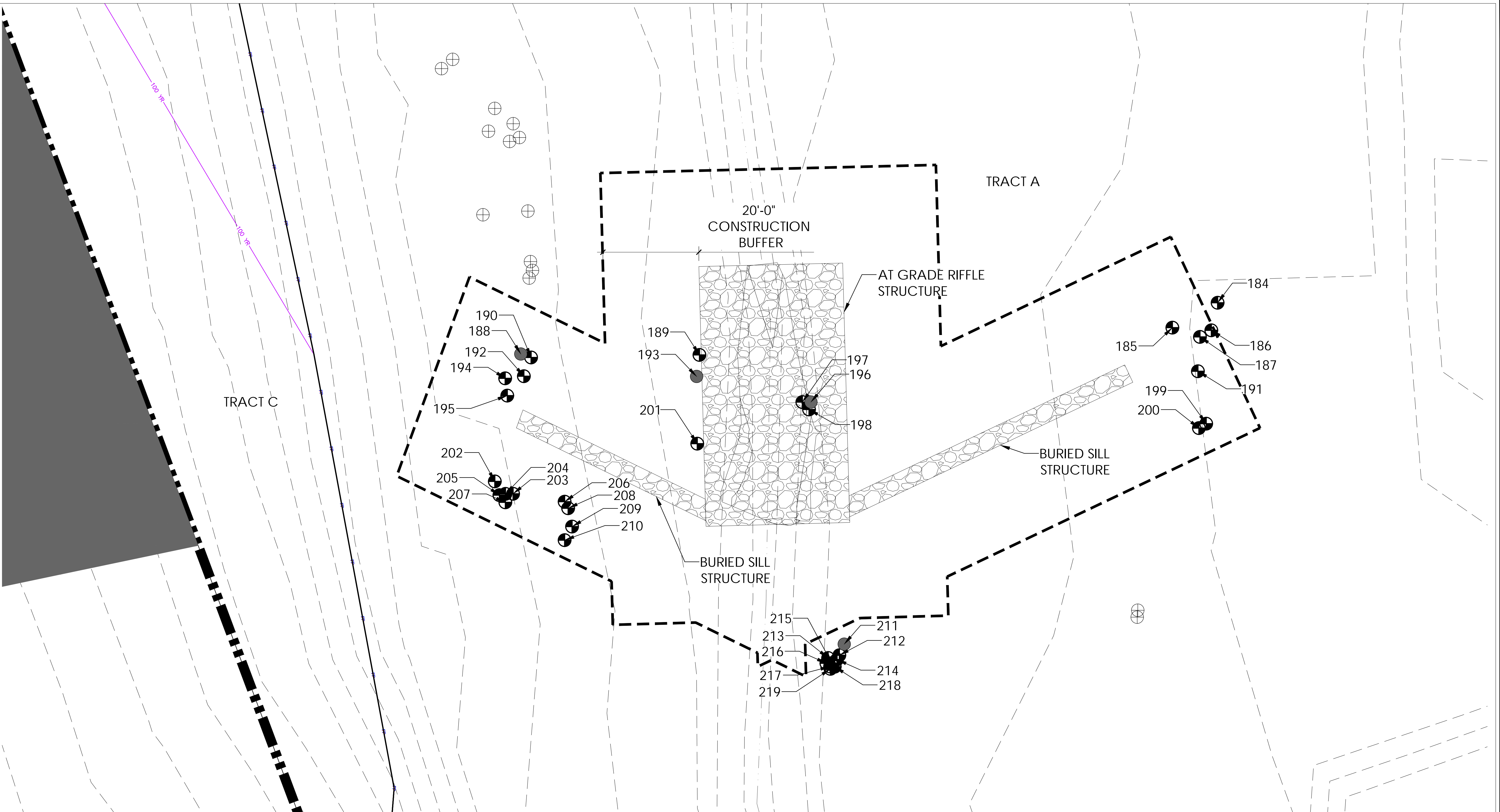
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DETAIL	XXX	##/##/####
CHECK	XXX	##/##/####
SCALE		##

PARKLANDS COAL CREEK INFRASTRUCTURE PLAN

TREE MITIGATION
ZONE 6

JOB NO.	231-021.000
SHEET	TM
SHEET NO.	24

Plot Date/Time: 11/13/2024, 11:44:02 AM; C:\USERS\CSKELTON\APPDATA\LOCAL\TEMP\AC\PUBLISH_14988\COAL_CREEK_ISP_TREE_MITIGATION_SHEETS.DWG-ZONE 7



CALL COLORADO
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1-800-922-1987
CALL 3-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

LEGEND

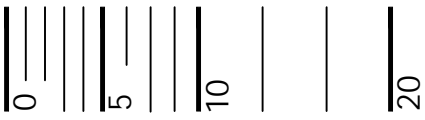
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| | ISP BOUNDARY | | EXISTING TELEPHONE LINE |
| | TRACT LINE | | EXISTING WATER LINE |
| | 100 YEAR FLOOD PLAIN | | EXISTING FIBER OPTIC |
| | FLOOD WAY | | BURIED RIP-RAP |

TREE LEGEND

- TREES TO BE REMOVED & MITIGATED
- DEAD TREES TO BE REMOVED
- EXISTING TREES TO BE PRESERVED



Scale: 1"= 10'-0"



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NO.	BY	DATE	DESCRIPTION	COMMENTS
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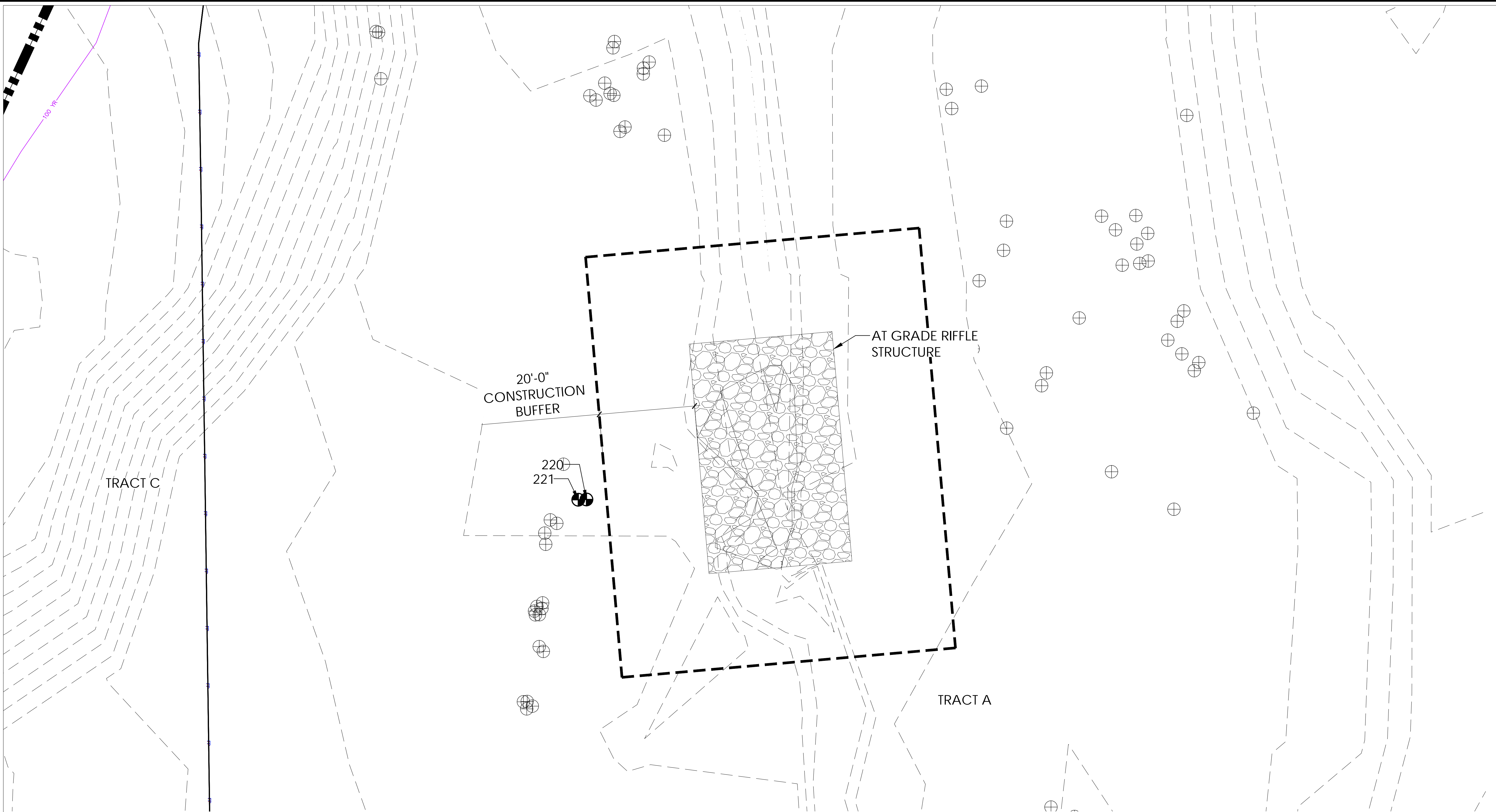
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CONSTRUCTION

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DESIGN	XXX	##/##/####
DETAIL	XXX	##/##/####
CHECK	XXX	##/##/####
SCALE		##

PARKLANDS COAL CREEK INFRASTRUCTURE PLAN

TREE MITIGATION
ZONE 7

Plot Date/Time: 11/13/2024, 11:44:02 AM; C:\USERS\CSKELTON\APPDATA\LOCAL\TEMP\AC\PUBLISH_14988\COAL_CREEK_ISP_TREE_MITIGATION_SHEETS.DWG-ZONE 8



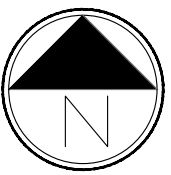
CALL COLORADO
811
OR CALL UTILITY NOTIFICATION
CENTER OF COLORADO
1-800-922-1987
CALL 3-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

LEGEND

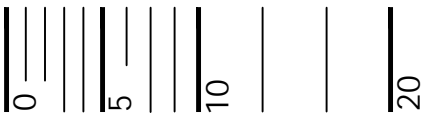
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| | TRACT LINE | | EXISTING WATER LINE |
| | 100 YEAR FLOOD PLAIN | | EXISTING FIBER OPTIC |
| | FLOOD WAY | | BURIED RIP-RAP |

TREE LEGEND

- TREES TO BE REMOVED & MITIGATED
- DEAD TREES TO BE REMOVED
- EXISTING TREES TO BE PRESERVED



Scale: 1"= 10'-0"



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Denver, CO 80231
ph: 303.632.8867

NO.	BY	DATE	DESCRIPTION	COMMENTS
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CONSTRUCTION

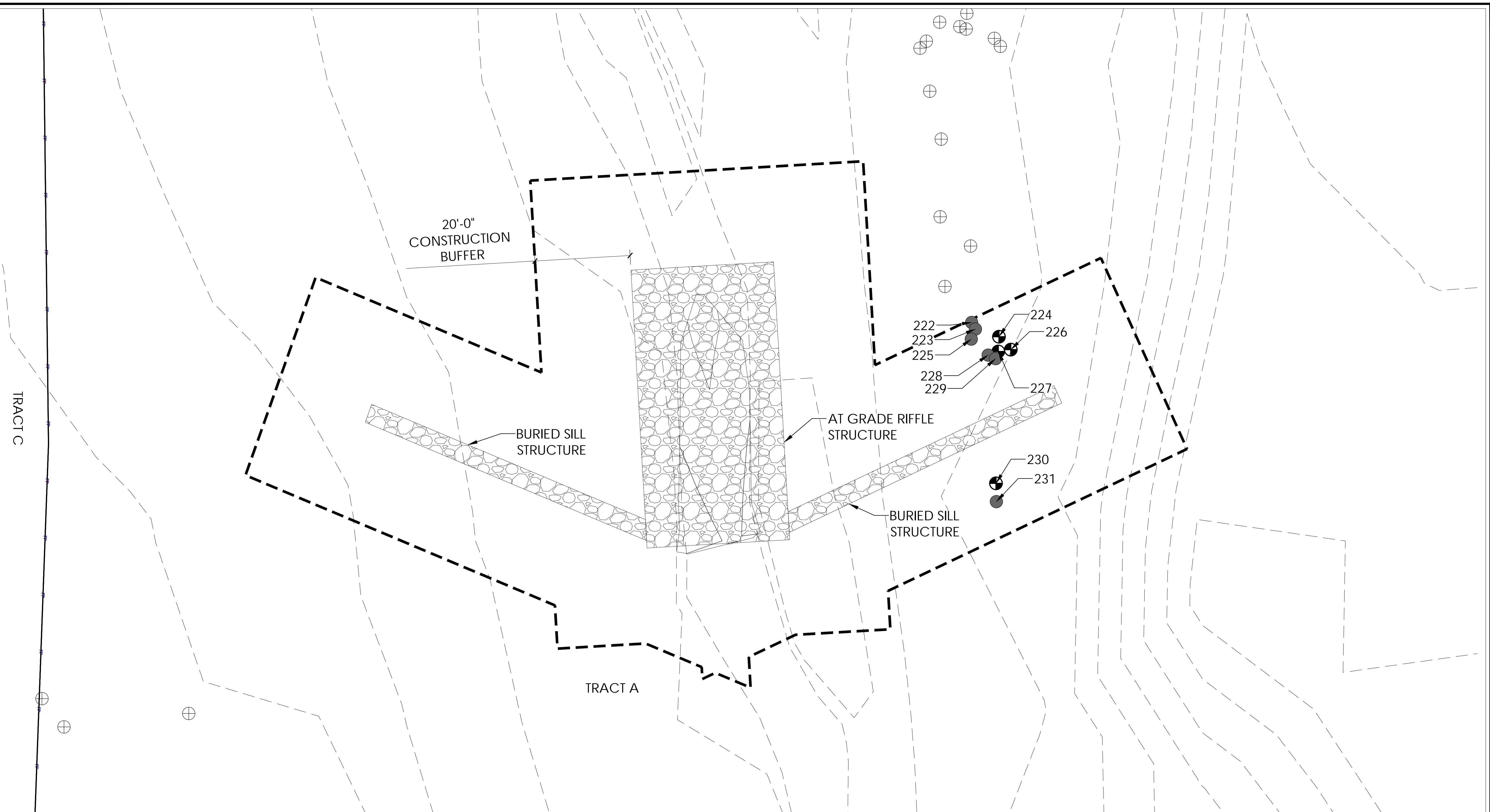
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XXX	XXX		##/##/####
XXX	XXX		##/##/####

PARKLANDS COAL CREEK INFRASTRUCTURE PLAN

TREE MITIGATION
ZONE 8

JOB NO.	231-021.000
SHEET	TM
SHEET NO.	26

Plot Date/Time: 11/13/2024, 11:44:04 AM; C:\USERS\CSKELTON\APPDATA\LOCAL\TEMP\AC\PUBLISH_14988\COAL CREEK ISP TREE MITIGATION SHEETS.DWG-ZONE 9



CALL COLORADO
811
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1-800-922-1987
CALL 3-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

LEGEND

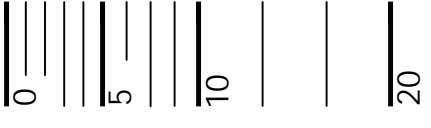
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| | ISP BOUNDARY | | EXISTING TELEPHONE LINE |
| | TRACT LINE | | EXISTING WATER LINE |
| | 100 YEAR FLOOD PLAIN | | EXISTING FIBER OPTIC |
| | FLOOD WAY | | BURIED RIP-RAP |

TREE LEGEND

- TREES TO BE REMOVED & MITIGATED
- DEAD TREES TO BE REMOVED
- EXISTING TREES TO BE PRESERVED



Scale: 1"= 10'-0"



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NO.	BY	DATE	DESCRIPTION	COMMENTS
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CONSTRUCTION

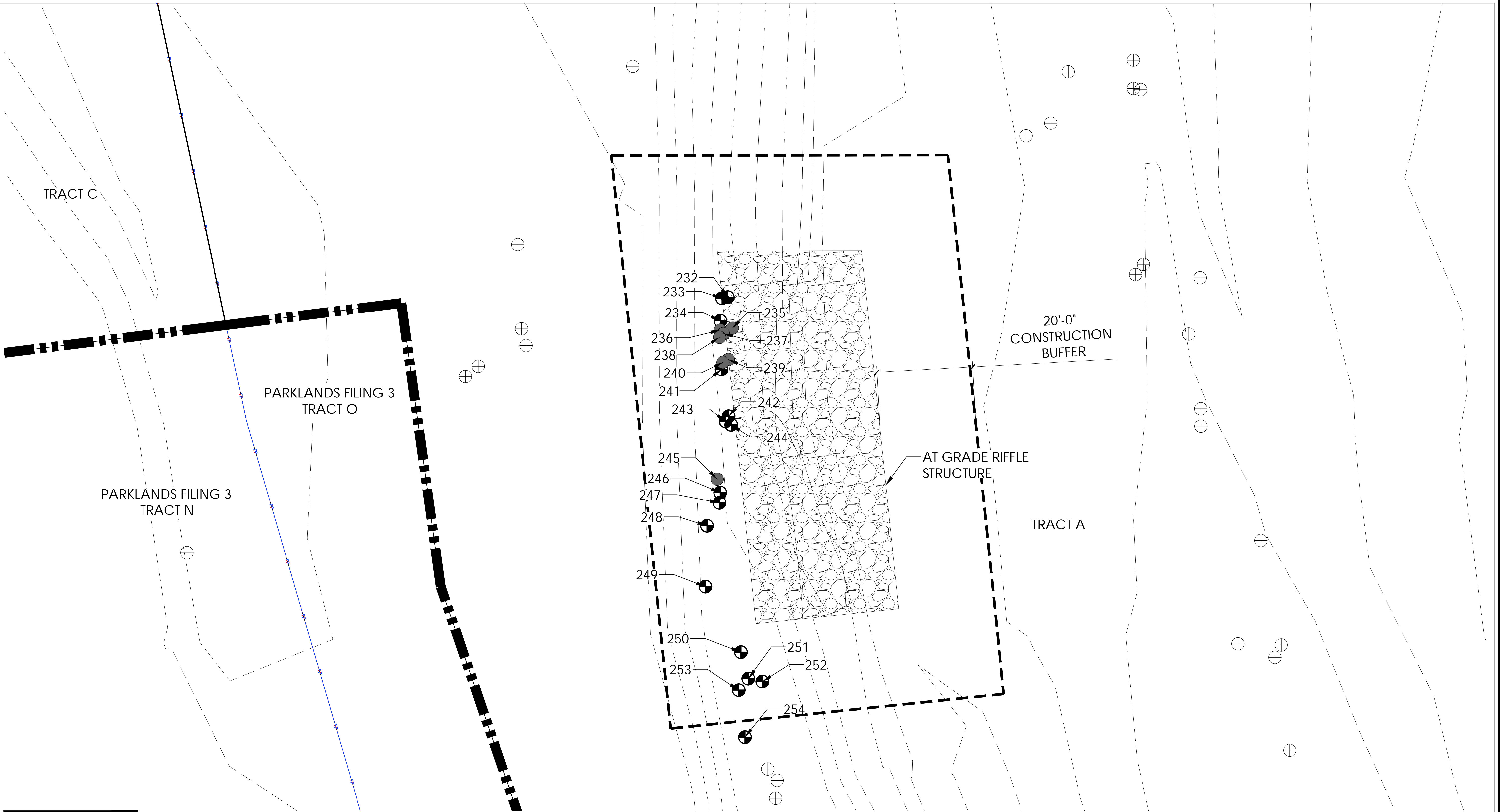
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DETAIL	XXX	##/##/####
CHECK	XXX	##/##/####
SCALE		##

PARKLANDS COAL CREEK INFRASTRUCTURE PLAN

TREE MITIGATION
ZONE 9

JOB NO.	231-021.000
SHEET	TM
SHEET NO.	27

Plot Date/Time: 11/13/2024, 11:44:05 AM; C:\USERS\CSKELTON\APPDATA\LOCAL\TEMP\AC\PUBLISH_14988\COAL_CREEK_ISP_TREE_MITIGATION_SHEETS.DWG-ZONE 10



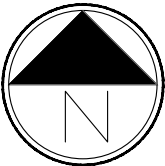
CALL COLORADO
811
OR CALL UTILITY NOTIFICATION
CENTER OF COLORADO
1-800-922-1987
CALL 3-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

LEGEND

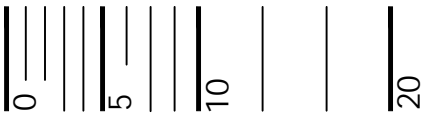
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|--|----------------------|--|-------------------------|
| | ISP BOUNDARY | | EXISTING TELEPHONE LINE |
| | TRACT LINE | | EXISTING WATER LINE |
| | 100 YEAR FLOOD PLAIN | | EXISTING FIBER OPTIC |
| | FLOOD WAY | | BURIED RIP-RAP |

TREE LEGEND

- TREES TO BE REMOVED & MITIGATED
- DEAD TREES TO BE REMOVED
- EXISTING TREES TO BE PRESERVED



Scale: 1"= 10'-0"



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10200 E. Girard Ave, Ste A-314
Denver, CO 80231
ph: 303.632.8867

NO.	BY	DATE	DESCRIPTION	COMMENTS
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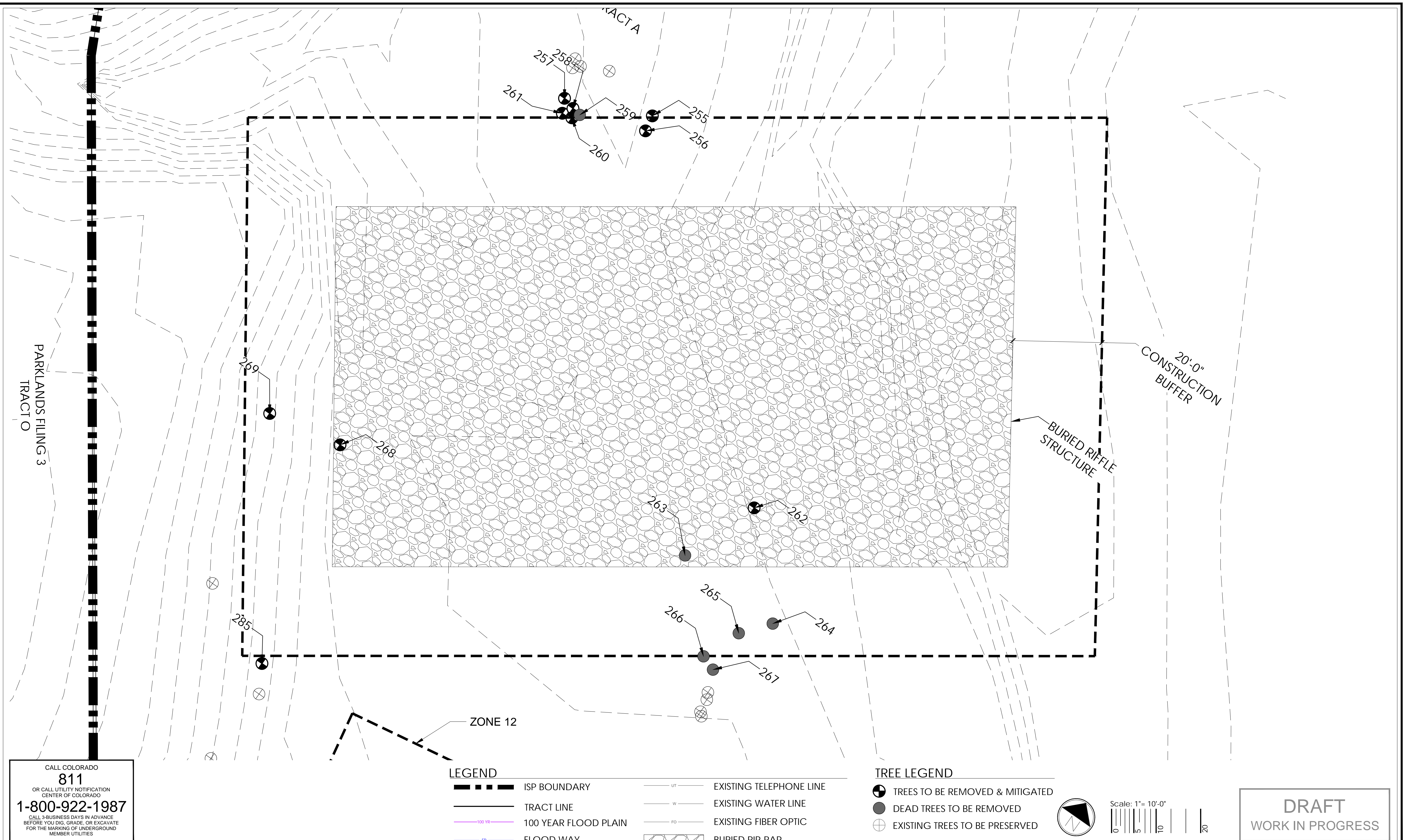
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NOT FOR
CONSTRUCTION

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DESIGN	XXX	##/##/####
DETAIL	XXX	##/##/####
CHECK	XXX	##/##/####
SCALE		##

PARKLANDS COAL CREEK INFRASTRUCTURE PLAN

TREE MITIGATION
ZONE 10

JOB NO.	231-021.000
SHEET	TM
SHEET NO.	28

[illegible]

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CONSTRUCTION

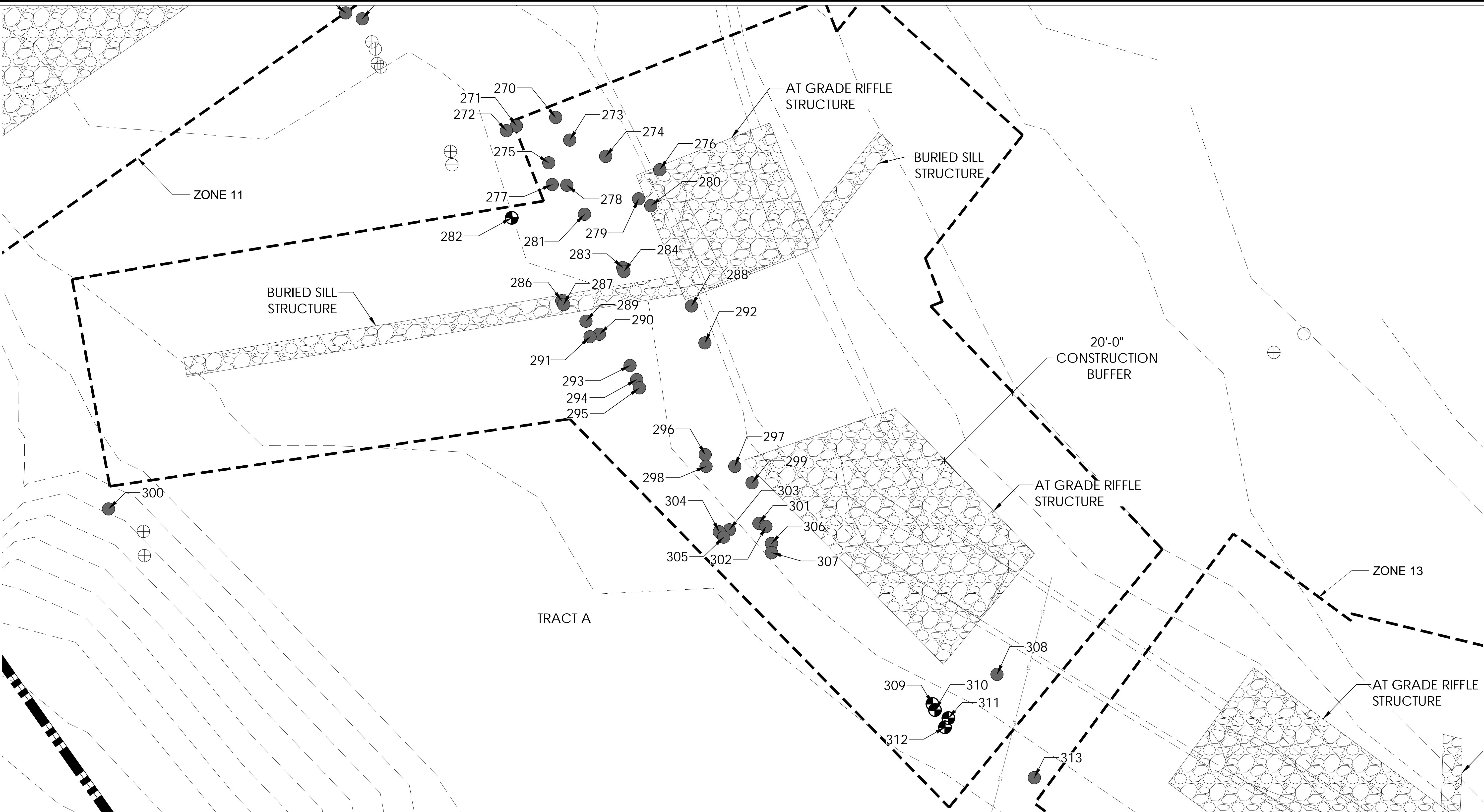
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DESIGN	XXX	##/##/####
DETAIL	XXX	##/##/####
CHECK	XXX	##/##/####
SCALE		##

PARKLANDS COAL CREEK INFRASTRUCTURE PLAN

TREE MITIGATION ZONE 11

DB NO.	231-021.000
SHEET	TM
SHEET NO.	29

Plot Date/Time: 11/13/2024, 11:44:07 AM; C:\USERS\CSKELTON\APPDATA\LOCAL\TEMP\AC\PUBLISH_14988\COAL_CREEK_ISP_TREE_MITIGATION_SHEETS\DWG-ZONE_12



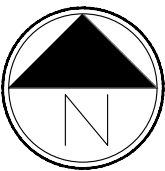
CALL COLORADO
811
OR CALL UTILITY NOTIFICATION
CENTER OF COLORADO
1-800-922-1987
CALL 3-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

LEGEND

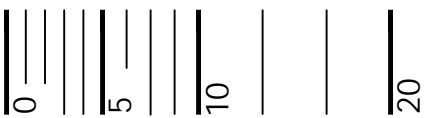
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|--|----------------------|--|----|-------------------------|
| | ISP BOUNDARY | | UT | EXISTING TELEPHONE LINE |
| | TRACT LINE | | W | EXISTING WATER LINE |
| | 100 YEAR FLOOD PLAIN | | FO | EXISTING FIBER OPTIC |
| | FLOOD WAY | | | BURIED RIP-RAP |

TREE LEGEND

- TREES TO BE REMOVED & MITIGATED
- DEAD TREES TO BE REMOVED
- EXISTING TREES TO BE PRESERVED



Scale: 1"= 10'-0"



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WORK IN PROGRESS



NO.	BY	DATE	DESCRIPTION	COMMENTS
1				

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NOT FOR
CONSTRUCTION

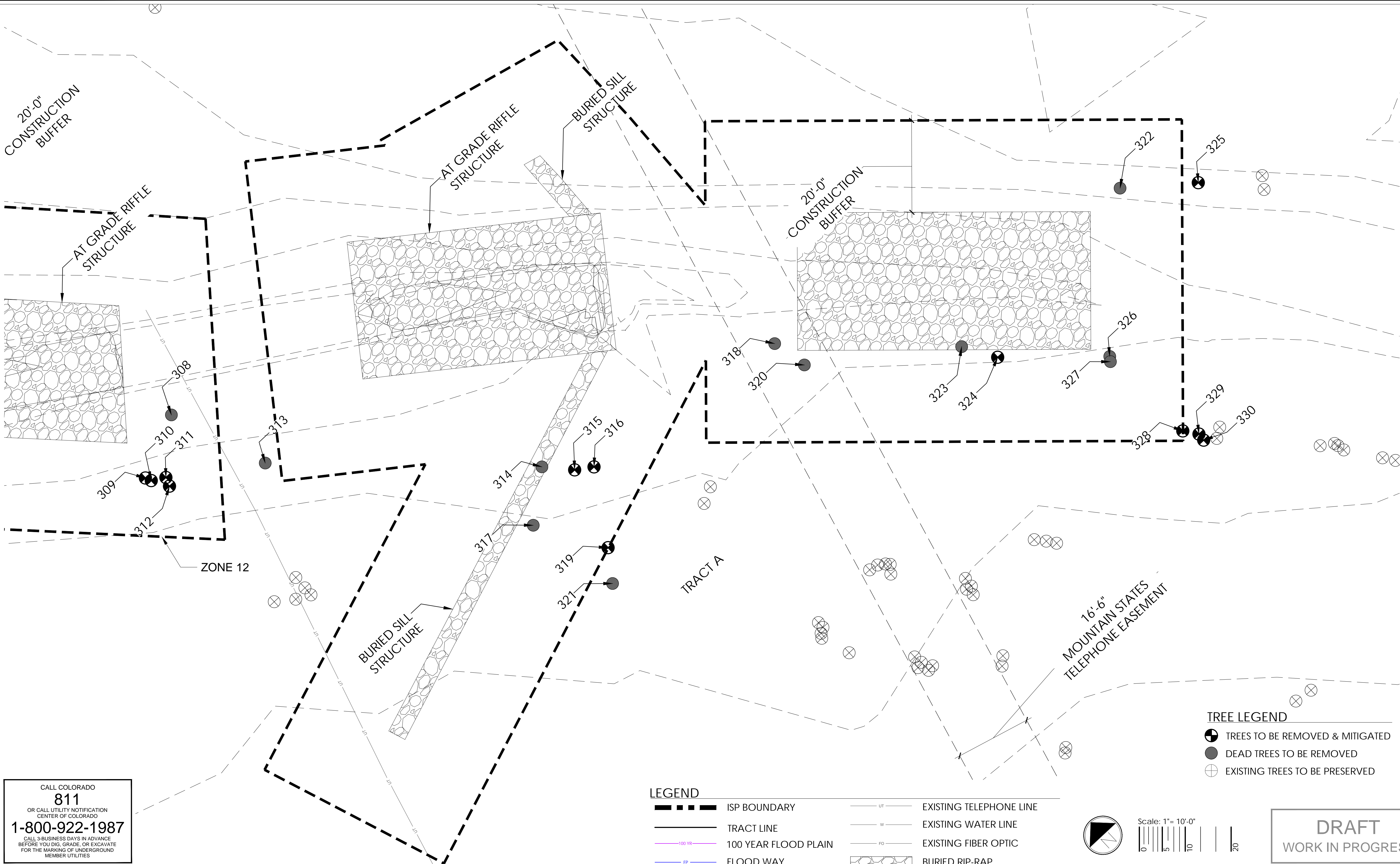
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DETAIL	XXX	##/##/####
CHECK	XXX	##/##/####
SCALE		##

PARKLANDS COAL CREEK INFRASTRUCTURE PLAN

TREE MITIGATION
ZONE 12

JOB NO.	231-021.000
SHEET	TM
SHEET NO.	30

Plot Date/Time: 11/13/2024, 11:44:07 AM; C:\USERS\CSKELTON\APPDATA\LOCAL\TEMP\AC\PUBLISH_14988\COAL_CREEK_ISP_TREE_MITIGATION_SHEETS.DWG-ZONE 13



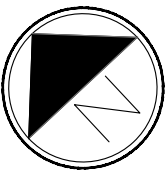
CALL COLORADO
811
OR CALL UTILITY NOTIFICATION
CENTER OF COLORADO
1-800-922-1987
CALL 3-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

LEGEND

- | | | | | |
|--|----------------------|--|----|-------------------------|
| | ISP BOUNDARY | | UT | EXISTING TELEPHONE LINE |
| | TRACT LINE | | W | EXISTING WATER LINE |
| | 100 YEAR FLOOD PLAIN | | FO | EXISTING FIBER OPTIC |
| | FLOOD WAY | | | BURIED RIP-RAP |

TREE LEGEND

- TREES TO BE REMOVED & MITIGATED
- DEAD TREES TO BE REMOVED
- EXISTING TREES TO BE PRESERVED



Scale: 1"= 10'-0"

DRAFT
WORK IN PROGRESS

td terracina
design
10200 E. Girard Ave, Ste A-314
Denver, CO 80231
ph: 303.632.8867

NO.	BY	DATE	DESCRIPTION	COMMENTS
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2				
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DRAFT
NOT FOR
CONSTRUCTION

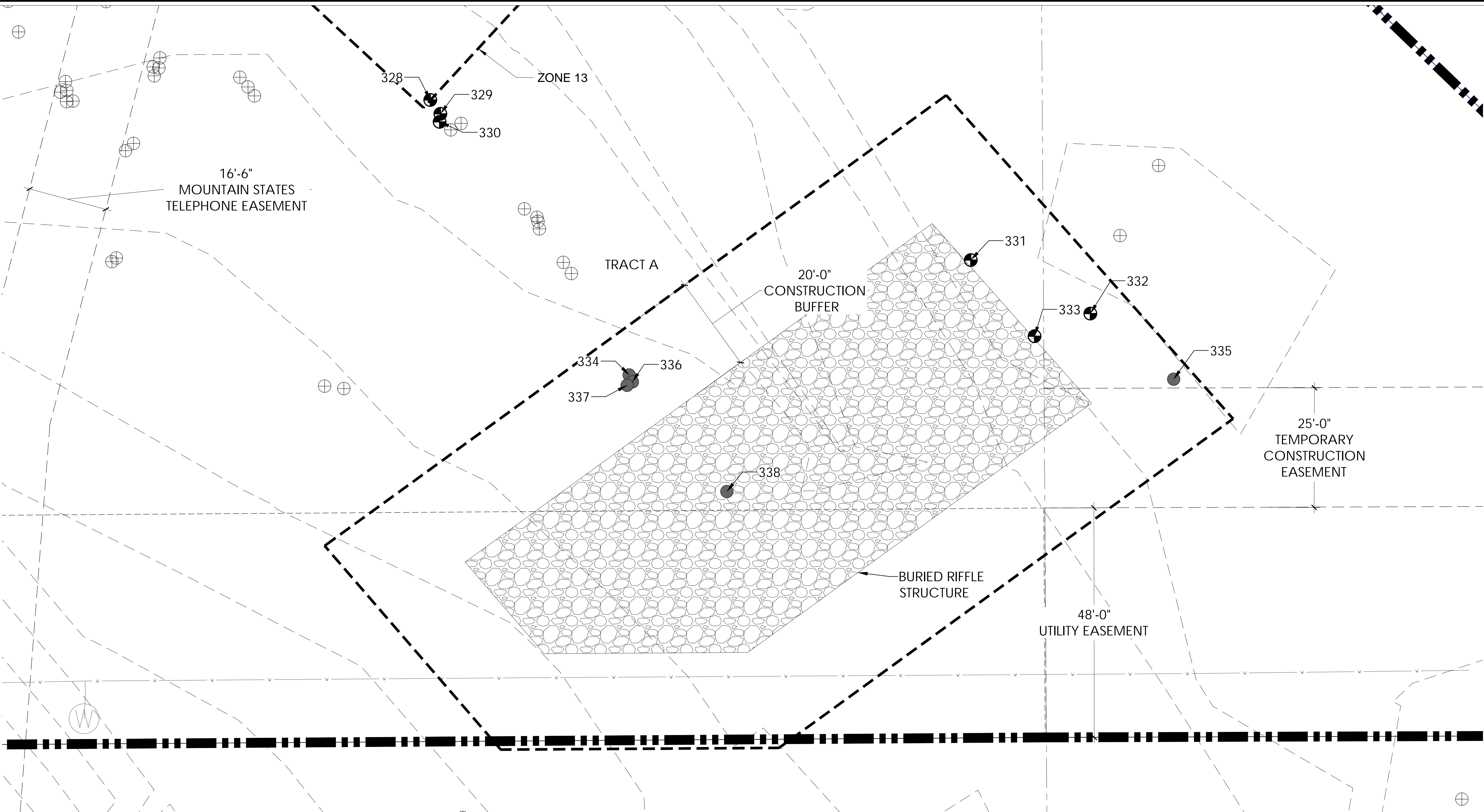
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CHECK	XXX	##/##/####
SCALE		##

PARKLANDS COAL CREEK INFRASTRUCTURE PLAN

TREE MITIGATION
ZONE 13

JOB NO.
231-021.000
SHEET
TM
SHEET NO.
31

Plot Date/Time: 11/13/2024, 11:44:09 AM; C:\USERS\CSKELTON\APPDATA\LOCAL\TEMP\AC\PUBLISH_14988\COAL CREEK ISP TREE MITIGATION SHEETS.DWG-ZONE 14



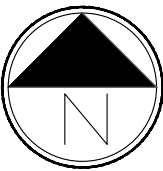
CALL COLORADO
811
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MEMBER UTILITIES

LEGEND

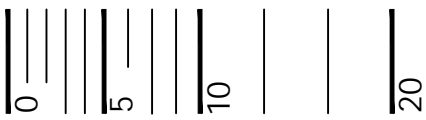
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|--|----------------------|--|-------------------------|
| | ISP BOUNDARY | | EXISTING TELEPHONE LINE |
| | TRACT LINE | | EXISTING WATER LINE |
| | 100 YEAR FLOOD PLAIN | | EXISTING FIBER OPTIC |
| | FLOOD WAY | | BURIED RIP-RAP |

TREE LEGEND

- TREES TO BE REMOVED & MITIGATED
- DEAD TREES TO BE REMOVED
- EXISTING TREES TO BE PRESERVED



Scale: 1"= 10'-0"



DRAFT
WORK IN PROGRESS



NO.	BY	DATE	DESCRIPTION	COMMENTS
1				

DRAFT
NOT FOR
CONSTRUCTION

		DATE
DESIGN	XXX	##/##/####
DETAIL	XXX	##/##/####
CHECK	XXX	##/##/####
SCALE		##

PARKLANDS COAL CREEK INFRASTRUCTURE PLAN

TREE MITIGATION
ZONE 14

JOB NO.	231-021.000
SHEET	TM
SHEET NO.	32