

CAMPGROUND ROAD LAYOUT COORDINATE TABLE						
Point	Northing	Easting	Station	Offset	Elevation	Description
1	10703.46	49707.85	1+31.34	54.58'		30'R
2	10718.73	49804.22	1+30.64	-43.00'		30'R
3	10706.90	49775.67	1+38.07	-13.00'	3041.04	END R
4	10721.73	49731.64	1+16.83	28.32'	3041.14	END R
5	10694.54	49752.52	1+46.83	11.74'	3040.29	END R
6	10676.27	49728.72	1+61.34	38.00'		30'R
7	10680.75	49758.39	1+61.34	8.00'	3039.92	END R
8	10629.11	49766.20	2+13.57	-15.81'	3038.70	SWALE
9	10632.67	49789.74	2+13.57	8.00'	3039.18	SWALE
10	10618.55	49823.98	2+48.23	-44.31'		36'R
11	10601.03	49792.18	2+48.64	-8.00'	3039.61	END R
12	10612.48	49813.27	2+48.64	-32.00'		24'R
13	10607.87	49746.34	2+27.36	32.00'		24'R
14	10500.46	49829.51	3+44.60	40.24'		24'R
15	10540.82	49903.10	3+77.18	-37.12'		24'R
16	10435.01	49892.39	4+52.09	42.62'		24'R
17	10398.23	50000.04	5+37.95	-32.00'		24'R
18	10392.09	49987.46	5+36.95	-18.04'		10'R
19	10387.70	49978.48	5+36.23	-8.06'	3044.66	END R
20	10383.44	49992.48	5+46.95	-18.04'	3044.88	CONC
21	10369.58	50000.49	5+62.95	-18.00'	3044.90	CONC
22	10382.40	50022.55	5+62.95	-43.52'	3045.28	CONC
23	10396.24	50014.52	5+46.95	-43.52'	3045.21	CONC
24	10368.83	50017.11	5+71.95	-32.00'		24'R
25	10360.95	50005.54	5+72.95	-18.04'		10'R
26	10343.53	49948.48	5+59.36	40.06'		24'R
27	10251.22	50002.11	6+66.12	40.04'		24'R
28	10232.22	50100.22	7+42.13	-32.00'		24'R
29	10202.11	50101.44	7+65.22	-8.00'	3042.51	END R
30	10199.17	50111.89	7+76.97	-9.83'	3042.43	SWALE
31	10223.15	50112.99	7+65.22	-32.00'		24'R
32	10295.56	50109.38	6+81.64	-75.00'	3043.32	SWALE
33	10285.48	50112.09	6+91.72	-72.27'	3043.22	SWALE
34	10154.00	50098.66	7+80.40	37.08'		24'R
35	10176.54	50106.91	7+80.41	13.08'	3041.96	SWALE
36	10147.11	50220.16	8+84.28	44.62'		36'R
37	10236.19	50206.45	8+83.01	-45.50'		24'R

INSPECTION ROAD LAYOUT COORDINATE TABLE						
Point	Northing	Easting	Station	Offset	Elevation (ft)	Description
50	10711.38	49805.34	10+43.00	-42.00'		30'R
51	10681.72	49809.82	10+43.00	-12.00'	3040.46	END R
52	10688.09	49851.97	10+83.82	-12.66'	3041.58	END R
53	10682.54	49890.77	11+16.67	-18.00'	3042.37	END R
54	10665.69	49927.05	11+56.67	-18.00'	3043.47	CONC
55	10652.64	49955.17	11+87.67	-18.00'	3043.47	CONC
56	10637.06	49988.73	12+24.67	-18.00'	3044.21	CONC
57	10614.60	50037.11	12+80.79	-17.60'	3045.35	END R
58	10649.14	50053.11	13+24.29	-50.06'		38'R
59	10648.77	50048.32	13+19.79	-51.75'		40'R
60	10553.52	50089.61	13+17.12	52.04'		40'R
61	10589.80	50072.76	13+17.12	12.04'	3046.66	END R
62	10565.73	50077.83	13+13.61	36.14'		24'R
63	10582.32	50060.49	13+05.90	15.08'	3046.50	END R
64	10565.29	50044.21	12+93.57	30.49'	3046.56	END R
65	10581.88	50026.86	12+80.13	16.69'		24'R
66	10581.54	50018.08	12+74.18	20.02'	3045.97	CONC
67	10563.40	50009.66	12+73.90	40.02'	3045.57	CONC
68	10560.11	50016.76	12+78.23	40.51'	3045.75	END R
69	10584.45	49964.31	12+24.67	40.00'	3044.57	CONC
70	10613.08	49902.63	11+56.67	40.00'	3044.19	CONC
71	10639.86	49887.75	11+31.90	21.98'	3043.59	END R
72	10627.27	49867.32	11+18.66	42.00'		24'R
73	10620.86	49862.14	11+16.67	50.00'		68'R
74	10649.04	49877.42	11+18.66	18.00'	3043.15	END R
75	10661.38	49835.85	10+65.69	12.00'	3041.57	END R
76	10659.23	49821.59	10+51.28	12.00'	3041.17	END R
77	10619.68	49827.57	10+51.28	52.00'		40'R
78	10640.12	49839.06	10+65.69	33.50'	3039.84	SWALE
79	10638.78	49848.48	10+74.80	36.24'	3040.26	SWALE
80	10602.03	49885.81	11+46.06	57.11'	3040.66	SWALE
81	10591.90	49897.21	11+60.67	61.50'	3040.86	SWALE
82	10569.07	49946.39	12+14.89	61.50'	3041.56	SWALE
83	10550.68	49961.24	12+36.11	71.93'	3041.87	CULV
84	10533.38	49971.28	12+52.50	83.39'	3042.13	CULV
85	10550.08	49979.50	12+52.92	64.78'	3044.89	CONC
86	10547.97	49984.03	12+57.92	64.78'	3044.82	CONC
87	10530.80	49892.22	11+81.87	119.02'	3043.13	END R
88	10525.91	49893.26	11+84.88	123.01'	3043.21	END R
89	10525.67	49884.49	11+77.02	126.93'	3042.94	END R
90	10522.12	49888.06	11+81.75	128.64'	3043.04	END R

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**MONTANA FISH,
 WILDLIFE & PARKS**
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SITE LAYOUT COORDINATE TABLES
 TIBER RES MARINA WATERCRAFT INSPECTION STATION



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CAMPSITE #1 COORDINATE TABLE						
Point	Northing	Easting	Station	Offset	Elevation	Description
100	10584.36	49826.94	2+90.45	-23.90'		GOR
101	10601.17	49769.39	2+38.85	12.50'	3038.93	END R
102	10582.74	49784.73	2+60.25	8.00'	3039.58	END R
103	10581.46	49781.10	2+59.32	11.71'	3039.58	END R
104	10550.59	49795.83	2+87.40	21.90'	3040.37	MID PT
105	10543.58	49783.05	2+83.37	35.53'	3040.10	PAD
106	10532.38	49797.14	2+99.40	35.34'	3040.37	PAD
107	10538.43	49827.81	3+19.67	11.55'	3041.11	END R
108	10541.99	49829.02	3+18.40	8.00'	3041.11	END R
109	10524.45	49828.79	3+29.13	21.89'	3041.60	END R

CAMPSITE #2 COORDINATE TABLE						
Point	Northing	Easting	Station	Offset	Elevation	Description
110	10528.81	49820.04	3+19.56	23.91'		GOR
111	10588.56	49815.19	2+76.15	-19.23'	3040.55	END R
112	10571.17	49817.97	2+91.61	-8.00'	3040.72	END R
113	10574.74	49819.18	2+90.34	-11.55'	3040.76	END R
114	10580.82	49849.79	3+10.55	-35.33'	3041.54	PAD
115	10569.63	49863.89	3+28.55	-35.32'	3041.81	PAD
116	10564.71	49848.66	3+19.68	-22.00'	3041.39	MID PT
117	10536.46	49861.74	3+47.48	-8.00'	3042.19	END R
118	10538.45	49864.94	3+48.75	-11.55'	3042.29	END R
119	10537.37	49879.35	3+60.71	-19.66'	3042.58	END R

CAMPSITE #3 COORDINATE TABLE						
Point	Northing	Easting	Station	Offset	Elevation	Description
120	10516.71	49911.92	3+98.99	-23.71'		GOR
121	10505.10	49853.06	3+60.16	21.97'	3042.25	END R
122	10507.47	49866.86	3+69.50	11.53'	3042.37	END R
123	10509.44	49870.06	3+70.79	8.00'	3042.48	END R
124	10480.46	49864.11	3+84.13	34.40'	3042.93	PAD
125	10467.91	49877.01	4+03.95	36.13'	3043.20	PAD
126	10470.94	49907.36	4+27.56	11.32'	3043.90	END R
127	10474.10	49909.17	4+25.88	8.00'	3043.92	END R
128	10458.35	49897.97	4+34.21	26.06'	3043.78	END R

CAMPSITE #4 COORDINATE TABLE						
Point	Northing	Easting	Station	Offset	Elevation	Description
129	10513.64	49924.50	4+08.06	-29.69'	3044.20	END R
130	10494.10	49953.62	4+32.98	-40.07'	3044.95	CONC
131	10480.27	49961.65	4+47.73	-40.00'	3045.00	CONC
132	10489.31	49977.22	4+47.73	-58.00'	3044.82	CONC
133	10472.24	49983.66	4+65.73	-55.00'	3044.91	CONC
134	10464.70	49970.69	4+65.73	-40.00'	3045.06	CONC
135	10450.87	49978.73	4+81.73	-40.00'	3045.11	CONC
136	10440.82	49961.43	4+81.73	-20.00'	3044.81	CONC
137	10428.33	49954.81	4+89.21	-8.00'	3044.59	END R
138	10484.06	49936.32	4+32.46	-20.08'	3044.65	CONC
139	10484.51	49922.19	4+25.17	-8.65'	3044.23	END R
140	10407.17	49977.76	5+19.03	-17.22'	3044.81	END R

CAMPSITE #5 COORDINATE TABLE						
Point	Northing	Easting	Station	Offset	Elevation	Description
141	10424.23	49975.69	5+03.24	-24.00'		GOR
142	10431.93	49916.19	4+66.70	23.59'	3043.92	END R
143	10431.63	49930.29	4+74.05	11.55'	3044.17	END R
144	10432.31	49934.00	4+75.32	8.00'	3044.24	END R
145	10388.52	49927.47	5+09.91	35.63'	3043.75	PAD
146	10375.83	49940.23	5+27.29	30.97'	3043.87	PAD
147	10384.01	49962.05	5+31.17	8.00'	3044.33	END R
148	10381.13	49959.62	5+32.44	11.55'	3044.26	END R
149	10367.71	49955.54	5+42.00	21.81'	3044.07	END R

CAMPSITE #6 COORDINATE TABLE						
Point	Northing	Easting	Station	Offset	Elevation	Description
150	10343.77	50023.14	5+96.64	-24.63'	3044.78	END R
151	10324.24	50052.26	6+28.16	-40.00'	3044.97	CONC
152	10310.40	50060.29	6+44.16	-40.00'	3044.90	CONC
153	10311.59	50086.14	6+56.11	-62.95'	3044.62	CONC
154	10302.28	50082.16	6+62.16	-54.83'	3044.67	CONC
155	10294.83	50069.33	6+62.16	-40.00'	3044.82	CONC
156	10281.00	50077.37	6+78.16	-40.00'	3044.75	CONC
157	10270.95	50060.07	6+78.16	-20.00'	3044.44	CONC
158	10314.19	50034.96	6+28.16	-20.00'	3044.67	CONC
159	10314.64	50020.83	6+20.68	-8.00'	3044.46	END R
160	10258.46	50053.45	6+85.65	-8.00'	3044.16	END R
161	10241.15	50077.95	7+13.41	-20.47'	3043.84	END R

CAMPSITE #7 COORDINATE TABLE						
Point	Northing	Easting	Station	Offset	Elevation	Description
162	10330.39	50030.18	6+11.75	-24.00'		GOR
163	10340.90	49971.11	5+73.00	21.81'	3044.08	END R
164	10337.79	49984.78	5+82.56	11.55'	3044.24	END R
165	10338.47	49988.49	5+83.83	8.00'	3044.31	END R
166	10294.69	49981.96	6+18.41	35.63'	3043.60	PAD
167	10281.99	49994.72	6+35.80	30.97'	3043.61	PAD
168	10287.29	50014.11	6+40.95	11.55'	3043.98	END R
169	10290.17	50016.54	6+39.68	8.00'	3044.05	END R
170	10273.84	50010.13	6+50.58	21.74'	3043.73	END R

CAMPSITE #8 COORDINATE TABLE						
Point	Northing	Easting	Station	Offset	Elevation	Description
171	10160.83	50169.32	8+35.83	24.00'		GOR
172	10205.34	50129.09	7+94.27	-20.83'	3042.64	END R
173	10194.44	50137.91	8+06.61	-11.35'	3042.57	END R
174	10190.98	50139.13	8+08.27	-8.00'	3042.52	END R
175	10206.62	50164.86	8+37.74	-21.96'	3043.15	END R
176	10218.33	50152.18	8+25.42	-35.27'	3043.29	PAD
177	10220.83	50170.00	8+44.80	-35.33'	3043.54	PAD
178	10199.87	50193.66	8+65.33	-11.29'	3043.32	END R
179	10196.39	50192.56	8+63.76	-8.00'	3043.23	END R
180	10214.66	50195.84	8+69.53	-25.64'	3043.66	END R

CAMPSITE #9 COORDINATE TABLE						
Point	Northing	Easting	Station	Offset	Elevation	Description
181	10236.86	50084.87	7+22.97	-23.78'		GOR
182	10247.12	50025.75	6+81.54	21.65'	3043.59	END R
183	10243.73	50039.38	6+91.32	11.56'	3043.67	END R
184	10244.44	50043.09	6+92.57	8.00'	3043.71	END R
185	10207.93	50049.11	7+24.26	22.21'	3042.76	MID PT
186	10191.79	50045.26	7+31.94	35.53'	3042.43	PAD
187	10182.07	50060.41	7+45.15	31.97'	3042.21	PAD
188	10190.94	50082.09	7+54.83	11.70'	3042.31	END R
189	10194.57	50083.37	7+53.89	8.00'	3042.40	END R
190	10177.67	50094.72	7+70.25	16.80'	3041.95	END R

CAMPSITE #10 COORDINATE TABLE						
Point	Northing	Easting	Station	Offset	Elevation	Description
191	10208.34	50162.96	8+36.10	-23.93'		GOR
192	10176.54	50106.91	7+80.41	13.08'	3041.96	SWALE
193	10169.53	50116.95	7+90.56	16.81'	3041.87	END R
194	10175.14	50136.49	8+06.89	8.00'	3042.18	END R
195	10171.52	50135.10	8+05.92	11.73'	3042.10	END R
196	10162.58	50167.11	8+33.88	21.96'	3042.27	MID PT
197	10148.38	50161.94	8+27.46	35.34'	3041.90	PAD
198	10150.86	50179.77	8+44.80	35.33'	3042.12	PAD
199	10177.50	50196.79	8+65.33	11.29'	3042.86	END R
200	10180.54	50194.77	8+63.76	8.00'	3043.91	END R
201	10164.61	50203.74	8+70.44	25.01'	3042.66	END R

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**MONTANA FISH,
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SITE LAYOUT COORDINATE TABLES
 TIBER RES MARINA WATERCRAFT INSPECTION STATION

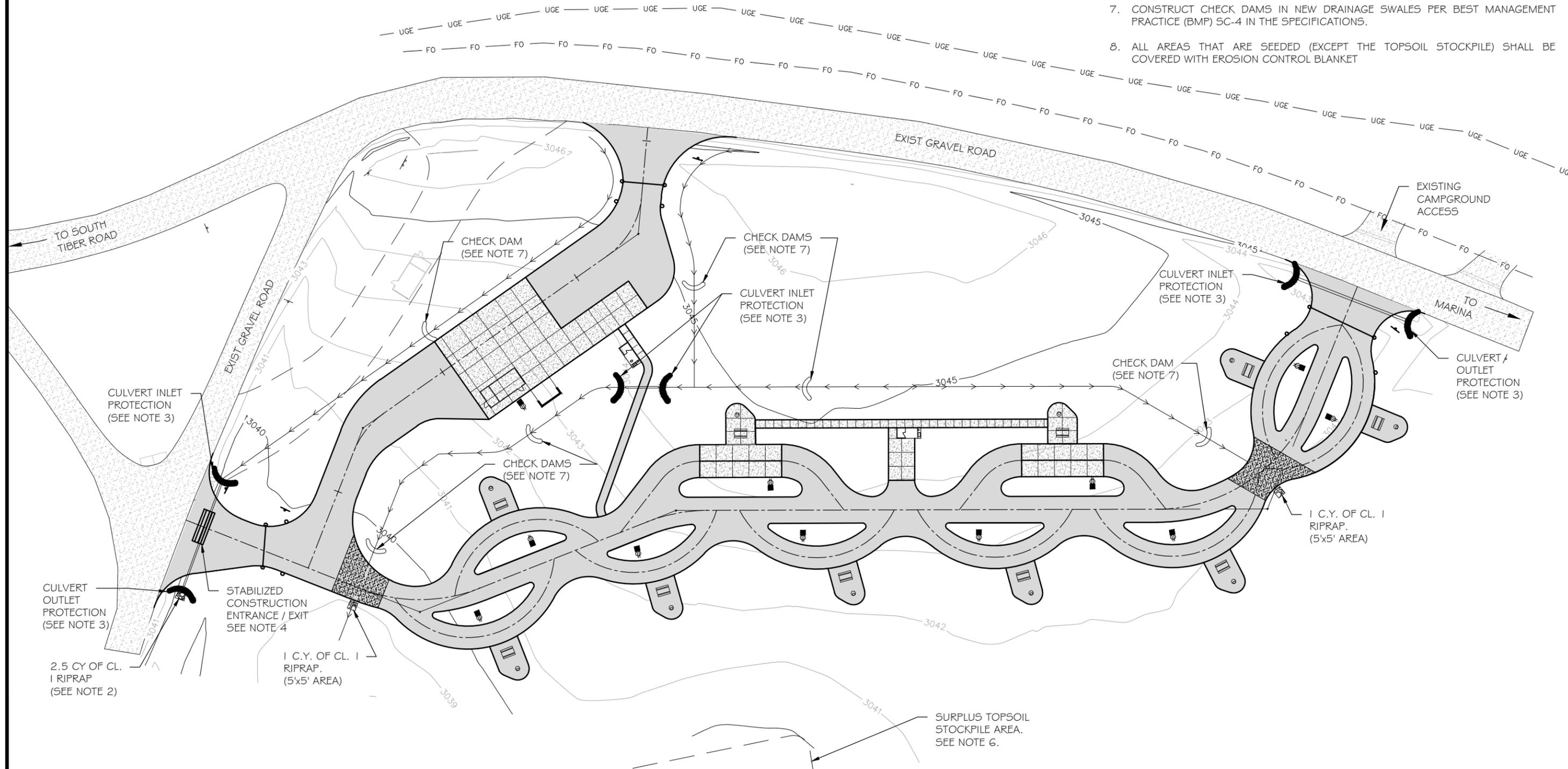
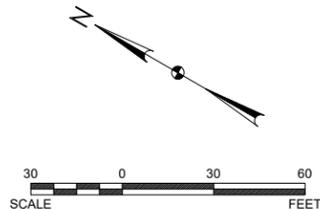


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EROSION CONTROL NOTES

1. EXISTING GRASS VEGETATION SHALL BE PRESERVED TO GREATEST EXTENT POSSIBLE THROUGH MINIMIZATION OF GROUND DISTURBANCE. SEE BEST MANAGEMENT PRACTICE (BMP) 55-1 IN SPECIFICATIONS.
2. SEE BEST MANAGEMENT PRACTICE (BMP) RC-2 IN SPECIFICATIONS FOR RIPRAP AT CULVERT OUTLET.
3. UTILIZE STRAW WATTLES/FIBER ROLLS FOR INLET/OUTLET PROTECTION AT CULVERTS PER BEST MANAGEMENT PRACTICE (BMP) SC-1.2 IN THE SPECIFICATIONS.

4. INSTALL A STABILIZED CONSTRUCTION ENTRANCE/EXIT PER BEST MANAGEMENT PRACTICE (BMP) SC-1.3 IN THE SPECIFICATIONS.
5. ALSO SEE BEST MANAGEMENT PRACTICES GH-2, GH-3, GH-7 AND GH-8 IN THE SPECIFICATIONS PERTAINING TO VEHICLE/EQUIPMENT FUELING AND MAINTENANCE, STOCKPILE MANAGEMENT AND SPILL PREVENTION.
6. SALVAGED TOPSOIL SHALL BE RESPREAD TO DEPTH OF 4-INCHES OVER ALL DISTURBED AREAS THAT WILL NOT BE SURFACED WITH GRAVEL OR CONCRETE AND SHALL BE SEEDED. ANY SURPLUS TOPSOIL SHALL BE STOCKPILED ALONG THE WEST SIDE OF THE SITE AND SEEDED.
7. CONSTRUCT CHECK DAMS IN NEW DRAINAGE SWALES PER BEST MANAGEMENT PRACTICE (BMP) SC-4 IN THE SPECIFICATIONS.
8. ALL AREAS THAT ARE SEEDED (EXCEPT THE TOPSOIL STOCKPILE) SHALL BE COVERED WITH EROSION CONTROL BLANKET



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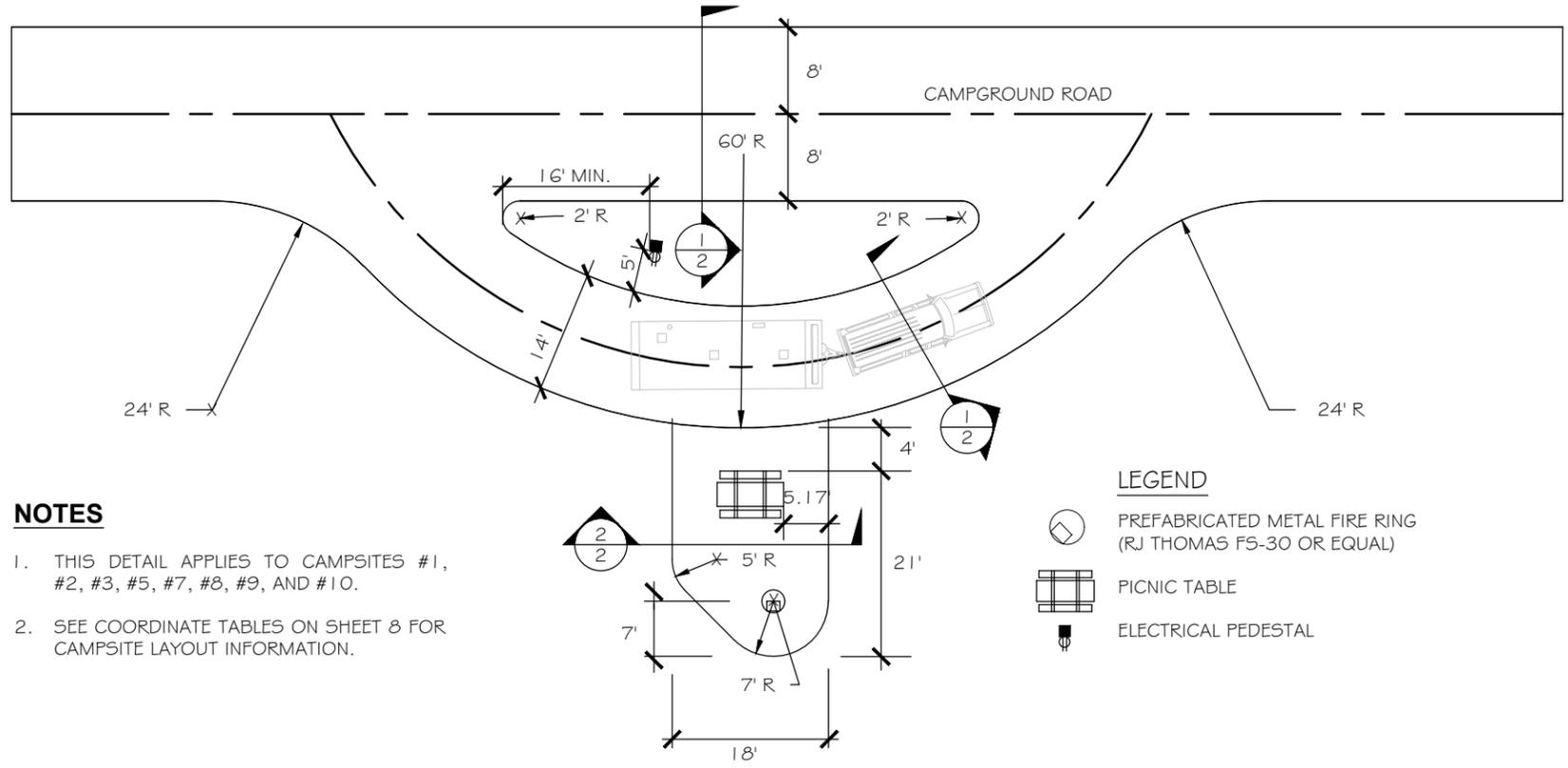


**MONTANA FISH,
 WILDLIFE & PARKS**
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EROSION CONTROL PLAN
 TIBER RES MARINA WATERCRAFT INSPECTION STATION

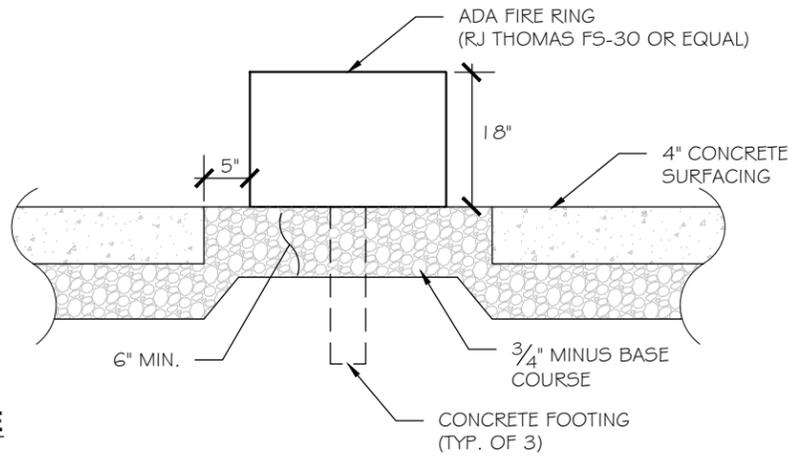


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- NOTES**
1. THIS DETAIL APPLIES TO CAMPSITES #1, #2, #3, #5, #7, #8, #9, AND #10.
 2. SEE COORDINATE TABLES ON SHEET 8 FOR CAMPSITE LAYOUT INFORMATION.

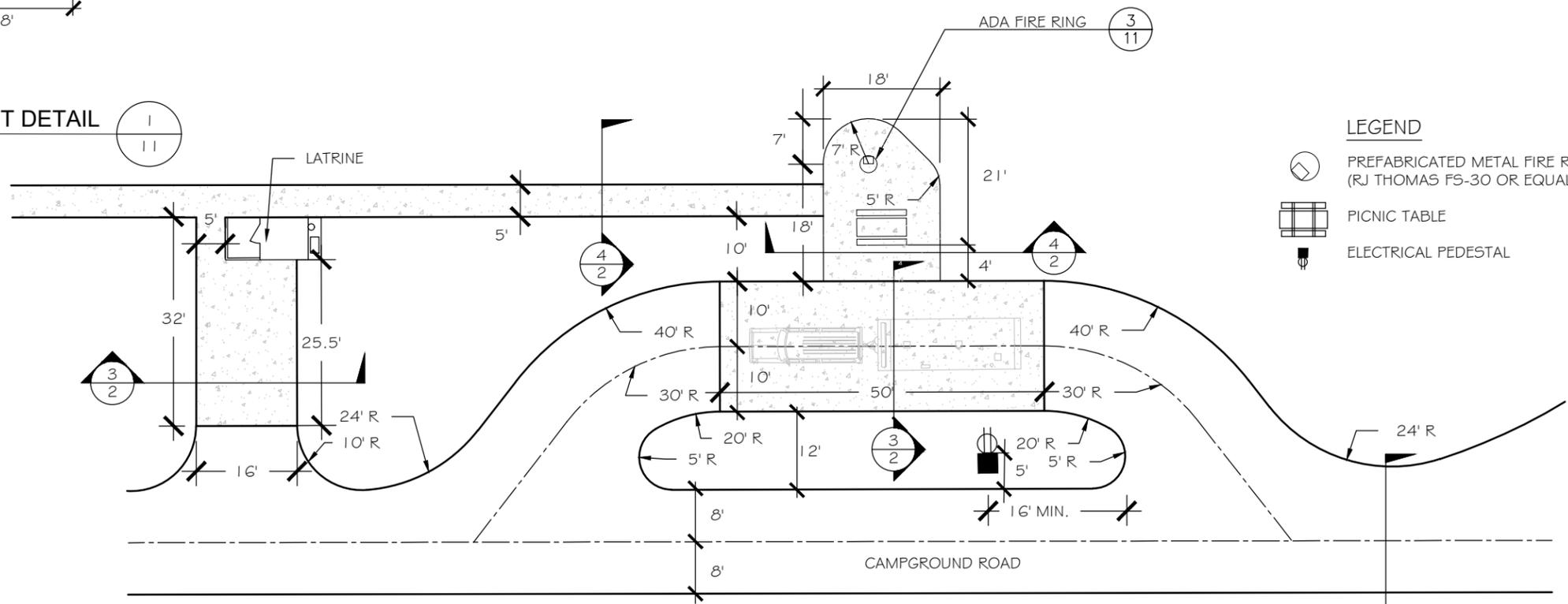
- LEGEND**
- PREFABRICATED METAL FIRE RING (RJ THOMAS F9-30 OR EQUAL)
 - PICNIC TABLE
 - ELECTRICAL PEDESTAL



- NOTE**
1. THIS DETAIL APPLIES TO ADA CAMPSITES #4 AND #6 ONLY.

FIRE RING INSTALLATION (2 ADA SITES ONLY) 3
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SCALE: NOT TO SCALE

CAMPSITE LAYOUT DETAIL 1
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SCALE: NOT TO SCALE



- LEGEND**
- PREFABRICATED METAL FIRE RING (RJ THOMAS F9-30 OR EQUAL)
 - PICNIC TABLE
 - ELECTRICAL PEDESTAL

- NOTES**
1. THIS DETAIL APPLIES TO ADA CAMPSITES #4 AND #6.
 2. SEE COORDINATE TABLES ON SHEET 8 FOR CAMPSITE LAYOUT INFORMATION.

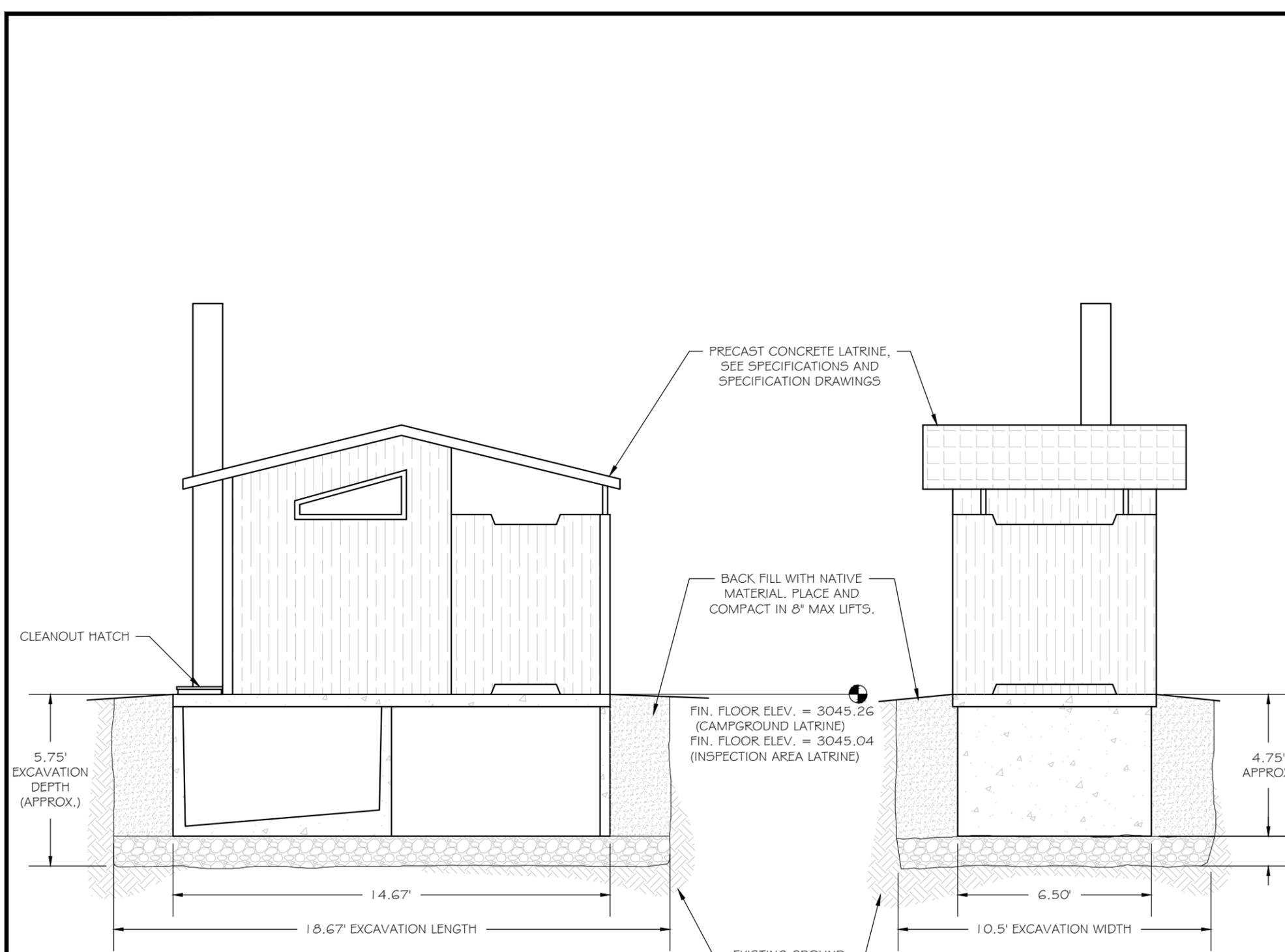
ADA CAMPSITE LAYOUT DETAIL 2
11
SCALE: NOT TO SCALE

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CAMPSITE LAYOUT DETAILS
TIBER RES MARINA WATERCRAFT INSPECTION STATION





GENERAL

- A. THE CONTRACTOR IS RESPONSIBLE FOR PURCHASE AND INSTALLATION OF THE LATRINES. THE CONTRACTOR SHALL PERFORM ALL EARTHWORK AND GRAVEL BASE WORK. THE MANUFACTURER SHALL LOAD, TRANSPORT, UNLOAD AND SET THE LATRINES ON THE GRAVEL BASE PAD.
- B. COMPLY WITH SPECIFICATION SECTIONS 03401 - PRECAST CONCRETE LATRINES, 02230 - STREET EXCAVATION, BACKFILL AND COMPACTION, AND 02235 - CRUSHED BASE COURSE.
- C. PROVIDE AND INSTALL A SOLAR POWERED LIGHT PACKAGE WITH THE LATRINE. THE LIGHT SHALL BE INSTALLED INSIDE THE LATRINE AND SHALL BE MOTION ACTIVATED.

INSTALLATION

GENERAL INSTALLATION INVOLVES TOPSOIL STRIPPING AND SALVAGE, EXCAVATION, LEVELING BOTTOM OF EXCAVATION WITH DRAIN AGGREGATE, INSTALLING LATRINE, BACKFILLING AROUND LATRINE AND SEEDING.

EXCAVATION

- A. EXCAVATE SUBSOIL TO A POINT 12 INCHES DEEPER THAN REQUIRED FOR LATRINE INSTALLATION.
- B. MINIMIZE OVER EXCAVATION. STOCKPILE EXCAVATED MATERIAL FOR LATER BACKFILLING AND SEEDING. TOPSOIL SHALL BE STRIPPED AND STOCKPILED.
- C. COMPACT BOTTOM OF EXCAVATION WITH THREE PASSES OF WHACKER OR SKID PLATE COMPACTION DEVICE.

LEVELING

- A. USE 3/4 INCH MINUS CRUSHED BASE COURSE, AND PLACE ENOUGH IN BOTTOM OF HOLE SUCH THAT WHEN COMPACTED, IT WILL BE 12 INCHES DEEP.
- B. COMPACT BASE COURSE TO 95% OF MAXIMUM DRY DENSITY.
- C. LEVEL BASE FOR INSTALLATION OF LATRINE.

LATRINE INSTALLATION

- A. THE PRECAST LATRINE WILL BE SET BY THE SUPPLIER/MANUFACTURER.
- B. INSURE THAT LATRINE SITS LEVEL AND PLUMB WHEN DONE INSTALLING.

BACKFILLING

- A. PLACE IN SUCCESSIVE 8 INCH LAYERS MATERIAL PREVIOUSLY EXCAVATED FROM HOLE AND COMPACT.
 1. REMOVE ROCKS LARGER THAN 6 INCHES IN DIAMETER FROM THE FILL.
 2. REMOVE BRANCHES, ROOTS AND OTHER OR ORGANIC DEBRIS IN FILL.

LANDSCAPING

- A. RE-SPREAD SALVAGED TOPSOIL AT THE TOP OF THE BACKFILL.
- B. SLOPE GRADE AWAY FROM LATRINE.
- C. BLEND FILL SLOPE INTO SURROUNDING TERRAIN.
- D. REMOVE SURPLUS FILL MATERIAL.
- E. REMOVE SOIL TO A DEPTH OF 2 INCHES BENEATH LOCATION FOR ENTRANCE SLAB AND COMPACT.
- F. PLACE TWO INCHES OF 3/4 INCH PEA GRAVEL FOR BEDDING, LEVEL AND COMPACT.

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**MONTANA FISH,
WILDLIFE & PARKS**

LATRINE INSTALLATION DETAIL
TIBER RES MARINA WATERCRAFT INSPECTION STATION



BASIC ELECTRICAL REQUIREMENTS

SUMMARY OF WORK:
FURNISH ALL LABOR AND MATERIALS AND PERFORM ALL OPERATIONS NECESSARY FOR THE INSTALLATION OF COMPLETE AND OPERATING ELECTRICAL SYSTEMS SUBJECT TO THE CONDITIONS OF THE CONTRACT. PROVIDE SATISFACTORY OPERATION OF ALL EQUIPMENT AND CONTROLS TO THE ARCHITECT/ENGINEER UPON REQUEST.

EXAMINATION OF SITE:
VISIT THE SITE BEFORE SUBMITTING BID AS NO EXTRAS WILL BE ALLOWED FOR LACK OF KNOWLEDGE OF EXISTING CONDITIONS.

COORDINATION:
COORDINATE AND ORDER THE PROGRESS OF WORK TO CONFORM TO THE OWNER'S SCHEDULE AND THE PROGRESS OF THE WORK OF THE OTHER TRADES. SCHEDULE PLAN WORK SO THAT THE DURATION OF THE INTERRUPTIONS ARE KEPT TO A MINIMUM. ELECTRICAL DRAWINGS ARE DIAGRAMMATIC AND BECAUSE OF THE SMALL SCALE, IT IS NOT POSSIBLE TO INDICATE EVERY REQUIRED OFFSET, FITTING, ETC. VERIFY ALL SPACE REQUIREMENTS, COORDINATING WITH OTHER TRADES, AND INSTALL THE SYSTEMS IN THE SPACE PROVIDED WITHOUT EXTRA CHARGES TO THE OWNER.

VERIFY ALL EQUIPMENT IS READY FOR ELECTRICAL CONNECTIONS. COORDINATE ALL ELECTRICAL CONNECTIONS WITH THE START-UP OF THE EQUIPMENT.

THE CONTRACTOR SHALL PLAN HIS WORK TO PROCEED WITH MINIMUM INTERFERENCE WITH OTHER TRADES AND IT SHALL BE HIS RESPONSIBILITY TO INFORM THE GENERAL CONTRACTOR OF ALL OPENINGS REQUIRED IN THE BUILDING STRUCTURE FOR INSTALLATION OF WORK, AND TO PROVIDE SLEEVES, AS REQUIRED.

QUALITY ASSURANCE:
PERFORM WORK IN ACCORDANCE WITH GOOD COMMERCIAL PRACTICE. PERFORM WORK IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL STANDARDS. THE QUALITY APPEARANCE OF THE FINISHED WORK SHALL BE OF EQUAL IMPORTANCE WITH ITS ELECTRICAL EFFICIENCY. THE ARCHITECT/ENGINEER MAY REJECT WORK IF WORKMANSHIP AND APPEARANCE ARE NOT SATISFACTORY. INSTALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH THE MANUFACTURERS' RECOMMENDATIONS, UNLESS SPECIFICALLY INDICATED OTHERWISE, OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.

REGULATORY AND CODE REQUIREMENTS:
APPLY FOR AND PAY FOR ALL PERMITS, FEES, LICENSES AND INSPECTIONS FOR THE DIVISION OF WORK. COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS AND ORDINANCES. COMPLY WITH REQUIREMENTS OF THE UTILITY COMPANIES. IN THE CASE OF DIFFERENCES BETWEEN THESE REQUIREMENTS AND ORDINANCES, THE MOST STRINGENT SHALL GOVERN. CALL FOR INSPECTIONS REQUIRED BY LOCAL BUILDING INSPECTION AUTHORITY.

WORK SHALL MEET THE REQUIREMENTS OF THE PLANS AND SHALL MEET NO LESS THAN THE MINIMUM REQUIREMENTS AND LATEST CODES AND STANDARDS OF THE FOLLOWING: ANSI, NEC, NEMA, NFPA, OSHA, UL, UBC, LOCAL FIRE MARSHALS, AND SERVING UTILITIES.

PLANS AND SPECIFICATIONS GO HAND IN HAND. WHAT IS REQUIRED IN ONE IS REQUIRED IN BOTH. WHERE CONFLICTS BETWEEN THESE SPECIFICATIONS AND PLANS EXIST, THE MOST STRINGENT REQUIREMENTS SHALL APPLY.

RESPONSIBILITY:
BE RESPONSIBLE FOR THE INSTALLATION OF A SATISFACTORY AND COMPLETE SYSTEM IN ACCORDANCE WITH THE INTENT OF THE DRAWINGS. PROVIDE, AT NO EXTRA COST, ALL INCIDENTAL ITEMS REQUIRED FOR COMPLETION OF THE WORK, EVEN THOUGH THEY ARE NOT SPECIFICALLY MENTIONED OR INDICATED ON THE DRAWINGS.

AT ALL TIMES DURING THE PERFORMANCE OF THE CONTRACTOR, PROPERLY PROTECT WORK FROM DAMAGE AND PROTECT THE OWNER'S PROPERTY FROM INJURY OR LOSS. MAKE GOOD ANY DAMAGE, INJURY, OR LOSS, EXCEPT SUCH AS MAY BE DIRECTLY DUE TO THE ERRORS IN THE PROPOSAL DOCUMENTS OR CAUSED BY REPRESENTATIVES OF THE OWNER. ADEQUATELY PROTECT ADJACENT PROPERTY AS PROVIDED BY LAW AND THE DOCUMENTS. PROVIDE AND MAINTAIN PASSAGEWAYS, GUARD FENCES, LIGHTS, AND OTHER FACILITIES AS REQUIRED FOR PROTECTION.

WORKMANSHIP:
WORK UNDER THIS CONTRACT SHALL BE PERFORMED BY WORKMEN SKILLED IN THE PARTICULAR TRADE, INCLUDING WORK NECESSARY TO PROPERLY COMPLETE THE INSTALLATION IN A WORKMANLIKE MANNER TO PRESENT A NEAT AND FINISHED APPEARANCE.

SHOP DRAWINGS:
SUBMIT SHOP DRAWINGS FOR ALL MATERIALS AND EQUIPMENT SHOWING ANY CHANGES REQUIRED IN DISTRIBUTION BOARDS, PANELBOARDS, LIGHT FIXTURES, ELECTRICAL WIRING, SPACE ALLOCATION, ETC.

PROVIDE PRODUCT DATA WITH MANUFACTURER'S CATALOG INFORMATION SHOWING RATINGS, DIMENSIONS, CONFIGURATIONS AND CONSTRUCTION. ALSO PROVIDE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

PROJECT RECORD DRAWINGS:
AT COMPLETION OF WORK, DELIVER COMPLETED PROJECT RECORD DOCUMENTS MARKED WITH FIELD CHANGES TO ARCHITECT/ENGINEER.

OPERATION AND MAINTENANCE DATA:
AT THE COMPLETION OF WORK, SUBMIT (3) TYPED AND HARD-BOUND COPIES OF AN OPERATING AND MAINTENANCE MANUAL TO THE ARCHITECT/ENGINEER FOR APPROVAL BEFORE SCHEDULING ANY SYSTEM DEMONSTRATION FOR THE OWNER.

WARRANTIES:
PROVIDE A WRITTEN WARRANTY TO THE OWNER COVERING THE ENTIRE ELECTRICAL WORK TO BE FREE FROM DEFECTIVE MATERIALS, EQUIPMENT AND WORKMANSHIP FOR A PERIOD OF ONE YEAR AFTER DATE OF ACCEPTANCE.

CLEAN-UP AND CLOSE-OUT:
KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIAL OR RUBBISH CAUSED BY THIS CONTRACTOR'S WORK OR HIS EMPLOYEES.

UPON COMPLETION OF WORK, REMOVE MATERIALS, SCRAPS AND DEBRIS RELATIVE TO THIS CONTRACTOR'S WORK AND LEAVE THE PREMISES, INCLUDING CRAWL SPACES AND CHASES, IN CLEAN AND ORDERLY CONDITION.

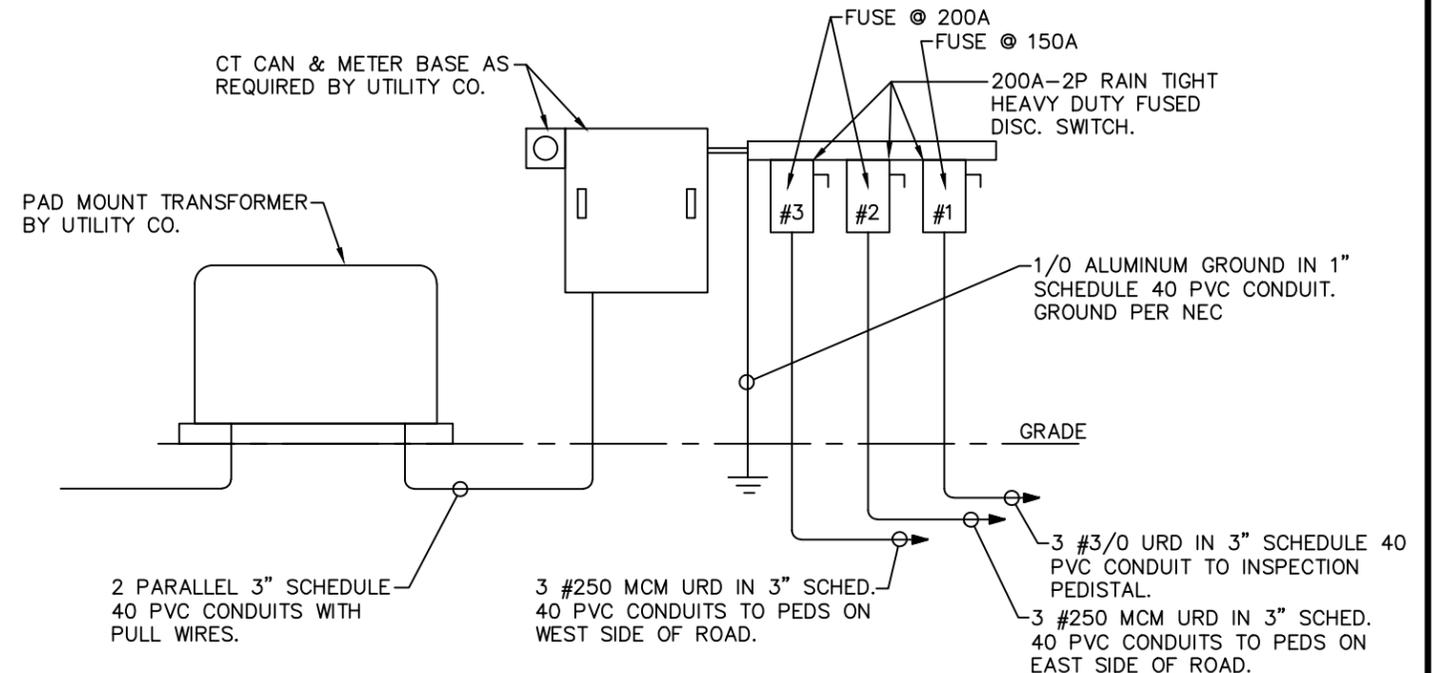
CLEAN EXPOSED SURFACES OF LIGHT FIXTURES, DISTRIBUTION BOARDS, PANELS AND OTHER EXPOSED ITEMS OF GREASE, DIRT OR OTHER FOREIGN MATERIAL. REMOVE RUBBISH AND DEBRIS RESULTING FROM THE OPERATIONS OF THIS CONTRACTOR AND LEAVE SPACES CLEAN AND READY FOR USE.

ELECTRICAL ABBREVIATIONS LIST

AMP	AMPERE	PNL	PANELBOARD
AC	ALTERNATING CURRENT	PHN	PHONE
AFC	ABOVE FINISHED COUNTERTOP	PR	PRINTER
AFF	ABOVE FINISHED FLOOR	PRI	PRIMARY
AWG	AMERICAN WIRE GAUGE	RECPT	RECEPTACLE
BKR	BREAKER	RM	ROOM
BLDG	BUILDING	SCHED	SCHEDULE
CD	CIRCUIT BREAKER	SEC	SECONDARY
C	CONDUIT	SHT	SHEET
CLG	CEILING	SPD	SURGE PROTECTIVE DEVICE
IT	DATA COMMUNICATIONS ROOM	SPEC	SPECIFICATIONS
DIA	DIAMETER	SWBD	SWITCHBOARD
DISC	DISCONNECT	TVSS	TRANSIENT VOLTAGE SUPPRESSOR
DWG	DRAWING	TYP	TYPICAL
EC	ELECTRICAL CONTRACTOR	UNO	UNLESS NOTED OTHERWISE
ELEC	ELECTRICAL	V/D	VOICE/DATA
EQUIP	EQUIPMENT	V	VOLT. VOLTAGE
EX	EXISTING	VA	VOLT AMPHERES
EG	EQUIPMENT GROUND	VC	VIDEO CAMERA
EMT	ELECTRICAL METALLIC TUBING	WP	WATER PROOF
EWC	ELECTRIC WATER COOLER	WS	WR WATER RESISTANT
GC	GENERAL CONTRACTOR	WS	WORK STATION
GRD	GROUND	XFMR	TRANSFORMER
GFI	GROUND FAULT INTERRUPTING	#	NUMBER
IG	ISOLATED GROUND		
KVA	KILOVOLT AMPHERE		
KW	KILOWATT		
LAN	LOCAL AREA NETWORK		
MCB	MAIN CIRCUIT BREAKER		
MLO	MAIN LUGS ONLY		
MM	MILLIMETERS		
NA	NOT APPLICABLE		
NEC	NATIONAL ELECTRICAL CODE		
NEMA	NATIONAL ELECTRICAL		
NTS	NOT TO SCALE		
P	POLE		
PH	PHASE		

ELECTRICAL LEGEND

- BRANCH CIRCUIT CONCEALED IN WALL OR CEILING
- BRANCH CIRCUIT CONCEALED IN OR UNDER FLOOR
- HOME RUN TO PANEL. NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS
- NUMBER OF HASHMARKS INDICATES NUMBER OF CONDUCTORS. NO HASHMARKS INDICATES TWO CONDUCTORS.
- RV PEDISTAL



PANEL RISER DIAGRAM

NO SCALE



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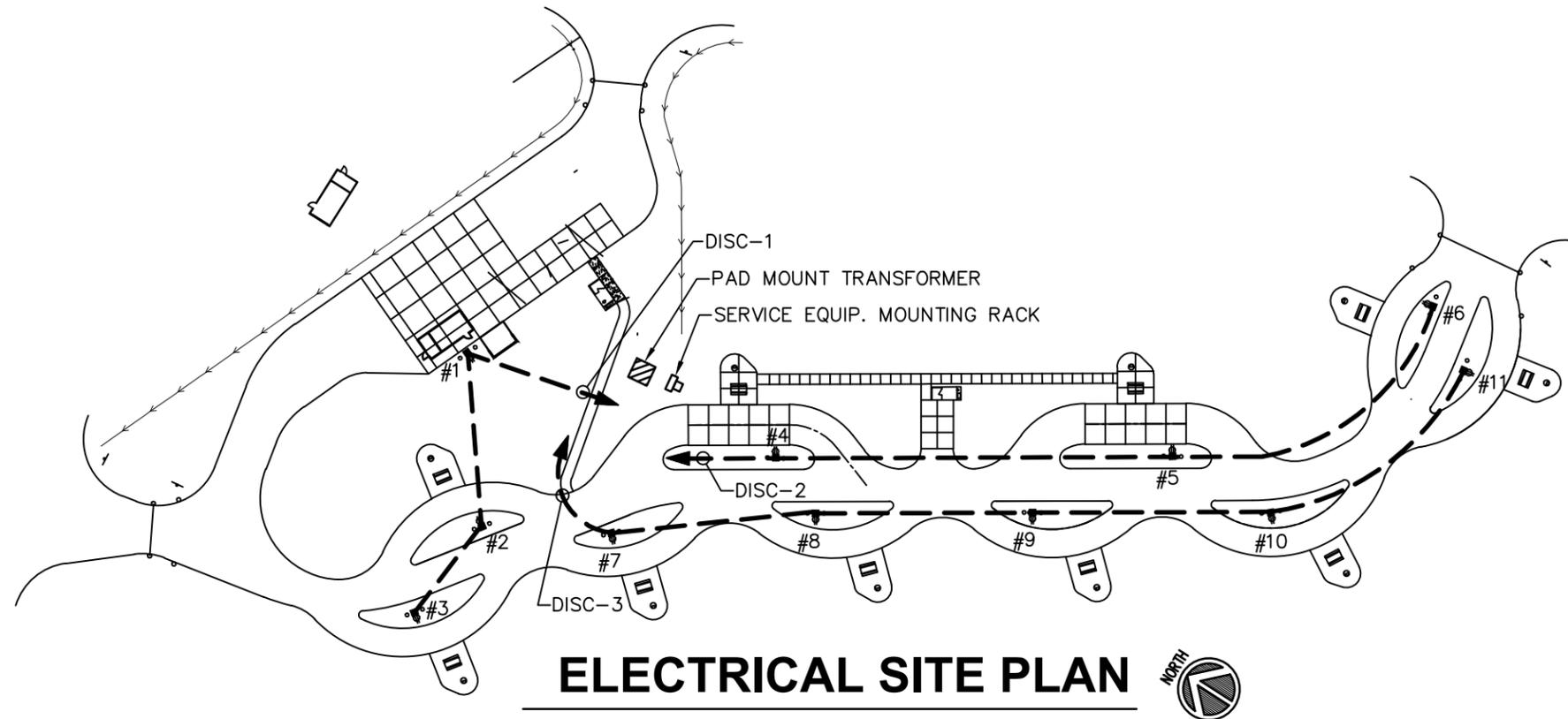


**MONTANA FISH,
WILDLIFE & PARKS**

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ELECTRICAL REQUIREMENTS
TIBER RES MARINA WATERCRAFT INSPECTION SITE

SHEET: 14 of 16



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**MONTANA FISH,
 WILDLIFE & PARKS**

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ELECTRICAL SITE PLAN & DETAIL
 TIBER RES MARINA WATERCRAFT INSPECTION SITE

SHEET: 15
 of 16

