

Modify/cut liner materials as necessary to ensure a clean, sealed connection at pipe elbow.

Install liner to top of sloped existing concrete invert.

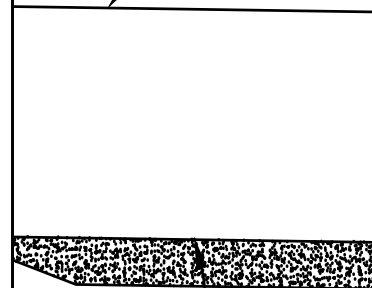


Existing concrete invert

Install liner in 48" horizontal CMP.

Harvest erosion stone from lake bed and shoreline and place along end of apron for flowable mortar form.

Existing Apron



Removed rusted out CMP material to provide room for grout or flowable mortar to fill scour void under CMP.

Place grout or flowable mortar in scour void under CMP and apron.

Floating silt curtain. See details on Sheets 3 and 4.

Water level of lake

Riser Bottom Detail

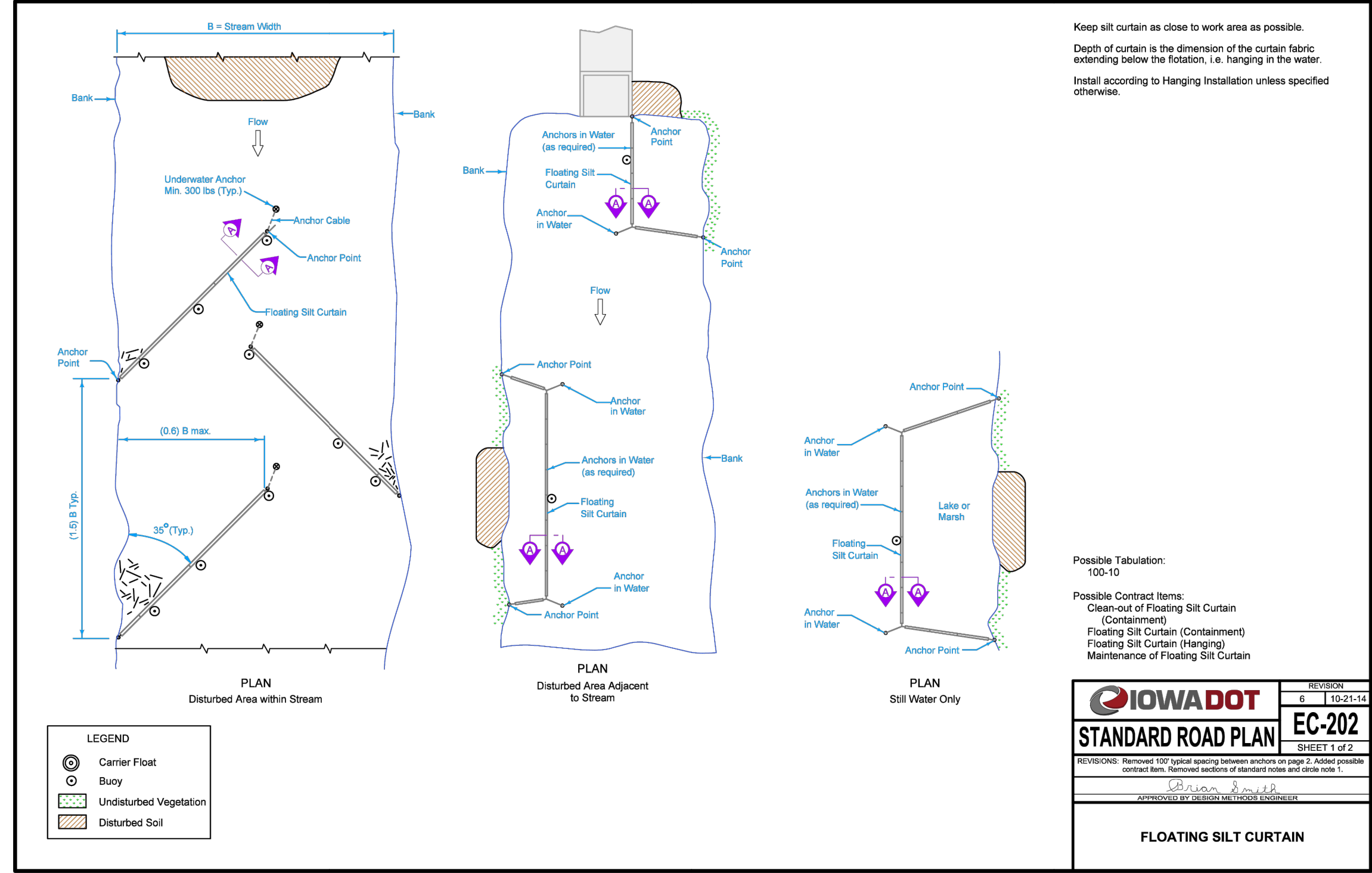
No Scale

Outlet Detail

No Scale

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DESIGNER INFO



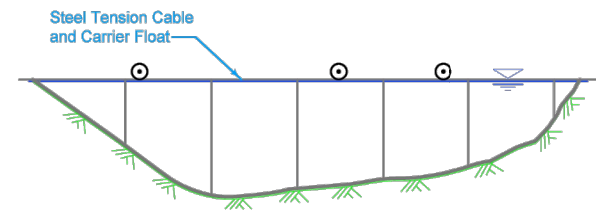
Keep silt curtain as close to work area as possible.
 Depth of curtain is the dimension of the curtain fabric extending below the flotation, i.e. hanging in the water.
 Install according to Hanging Installation unless specified otherwise.

- Possible Tabulation:
 100-10
- Possible Contract Items:
 Clean-out of Floating Silt Curtain (Containment)
 Floating Silt Curtain (Containment)
 Floating Silt Curtain (Hanging)
 Maintenance of Floating Silt Curtain

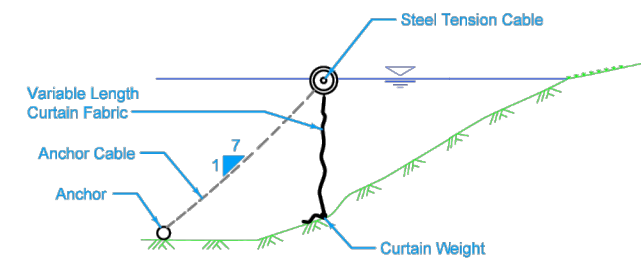
	REVISION
	6 10-21-14
STANDARD ROAD PLAN	EC-202
SHEET 1 of 2	
<small>REVISIONS: Removed 100' typical spacing between anchors on page 2. Added possible contract item. Removed sections of standard notes and circle note 1.</small>	
 <small>APPROVED BY DESIGN METHODS ENGINEER</small>	
FLOATING SILT CURTAIN	

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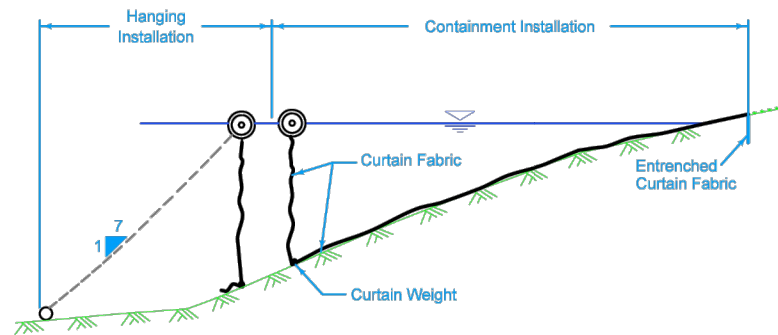
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PROFILE

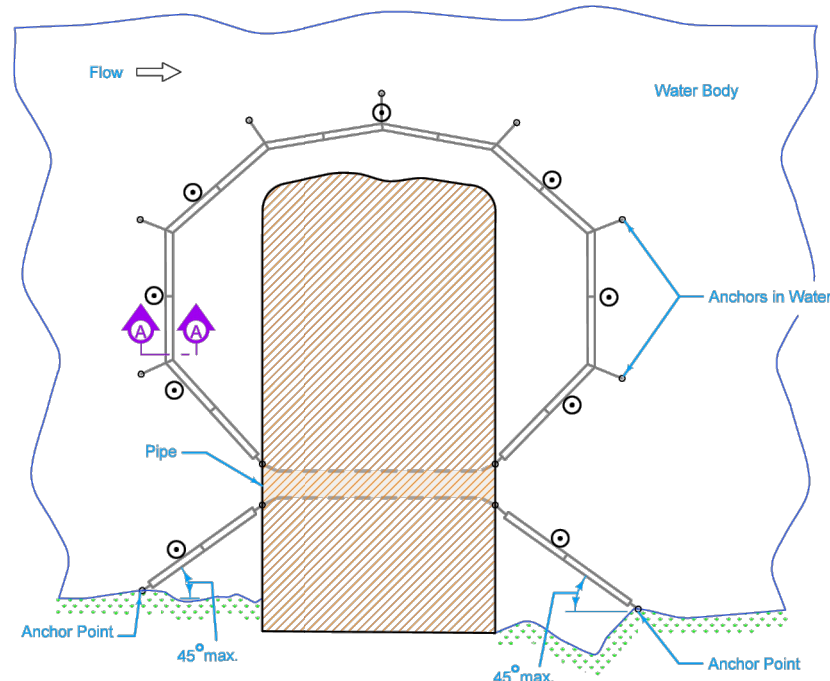


SECTION A-A
Hanging Installation

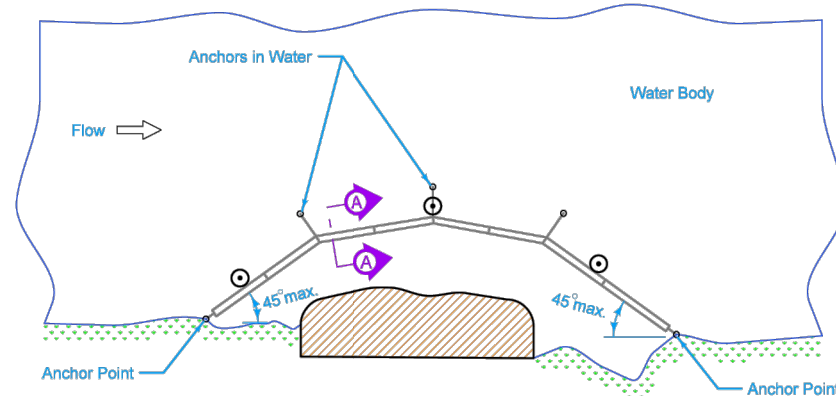


SECTION A-A
Containment Installation ①

LEGEND	
	Carrier Float
	Buoy
	Undisturbed Vegetation
	Disturbed Soil
	Water Surface



PLAN
Stream Crossing or Causeway
(with pipe)



PLAN
Causeway or Pad

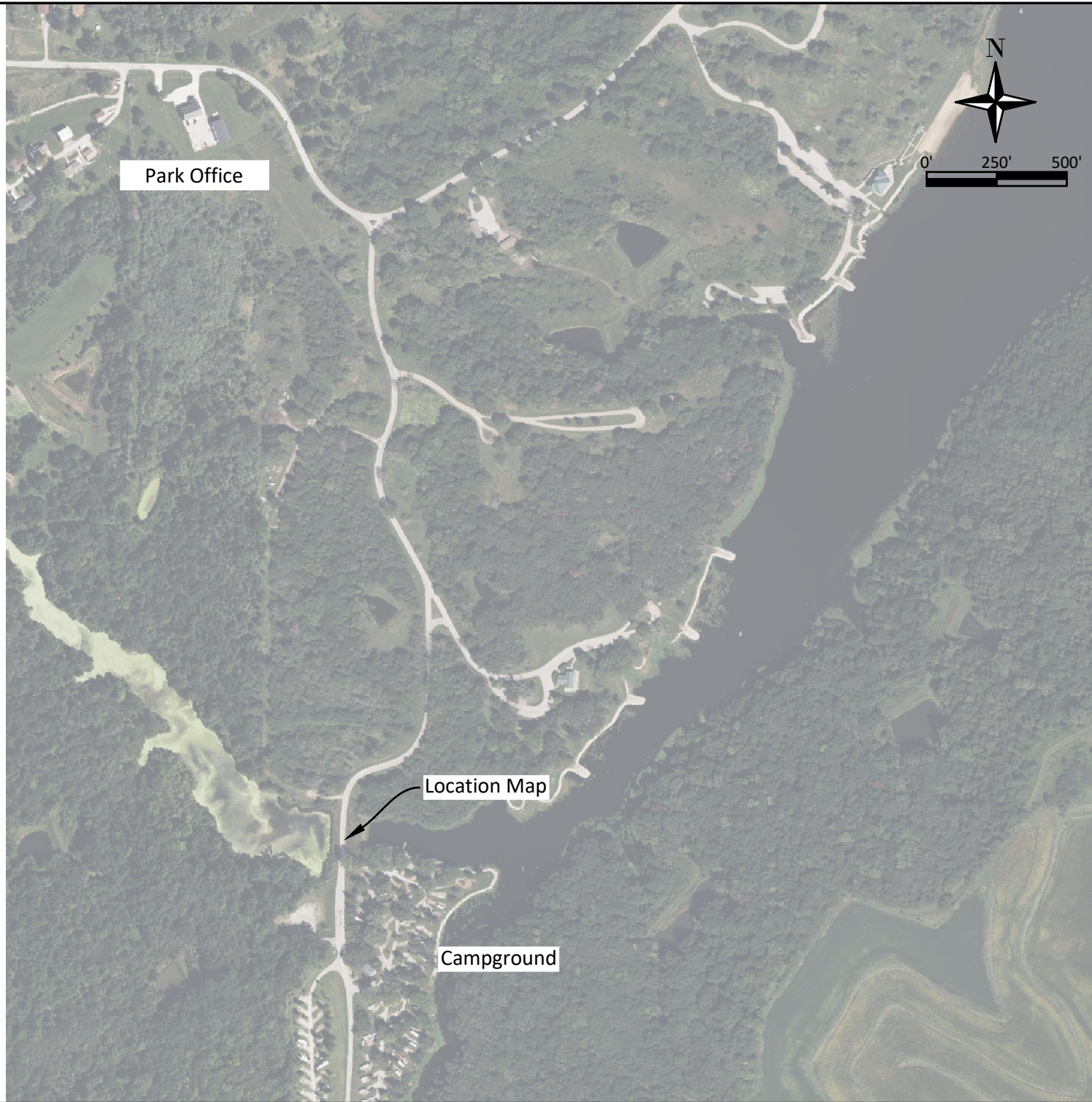
① When Containment Installation is specified, it will be in combination with a Hanging Installation that is paid for separately.

	REVISION
	6 10-21-14
STANDARD ROAD PLAN	
EC-202	
SHEET 2 of 2	
<small>REVISIONS: Removed 100' typical spacing between anchors on page 2. Added possible contract item. Removed sections of standard notes and circle note 1.</small>	
<small>APPROVED BY DESIGN METHODS ENGINEER</small>	
FLOATING SILT CURTAIN	

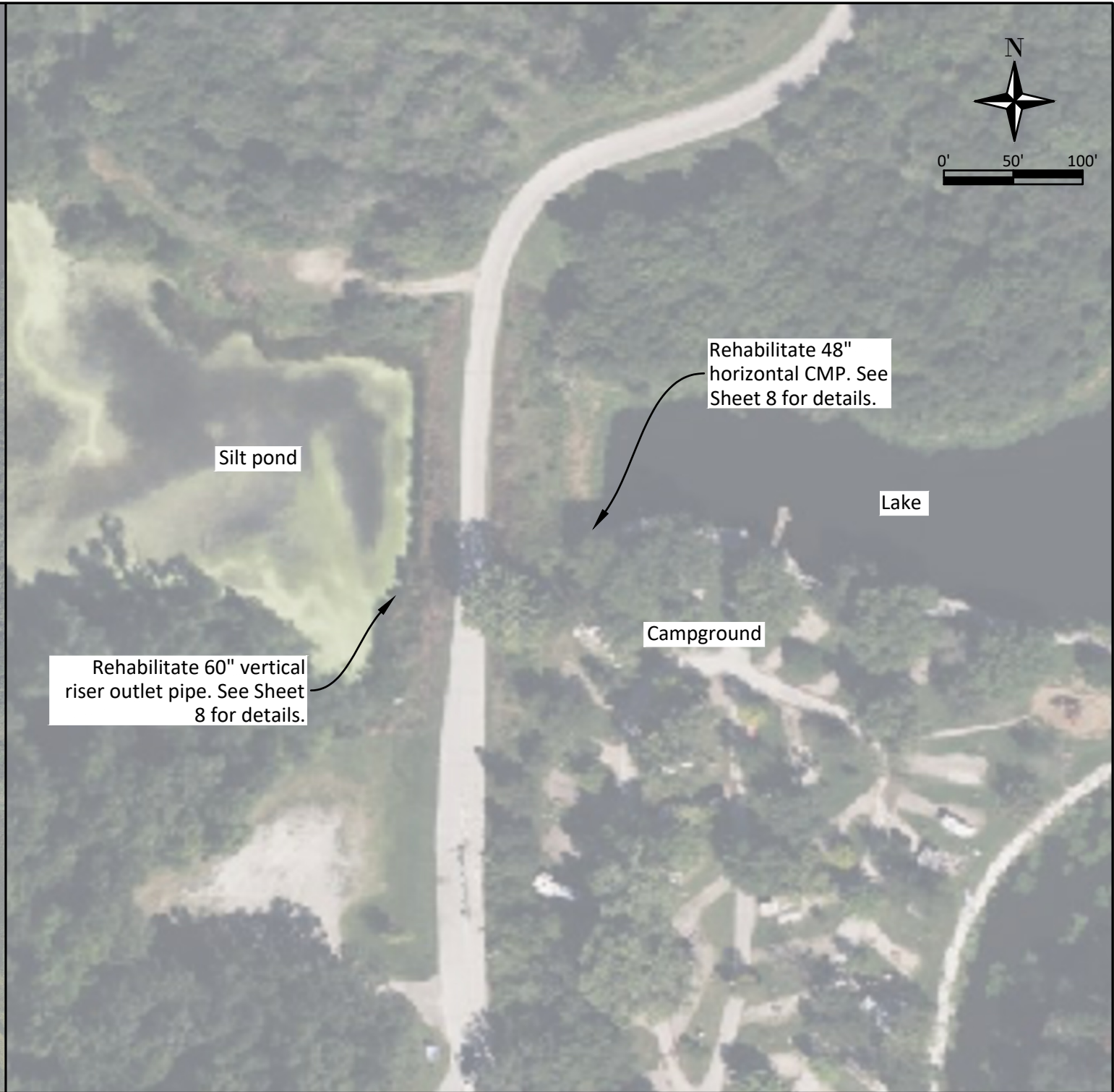


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Park Map



Location Map

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Estimated Quantities

Item No.	Description	Quantity	Unit
1	2405-2705000 Excavate and Dewater	1	LS
2	2528-8445110 Traffic Control	1	LS
3	2533-4980005 Mobilization	1	LS
4	2549-0041033 Culvert Lining, 48 Inch	132	LF
5	2549-0041034 Culvert Lining, 60 Inch	10	LF
6	2602-0000222 Floating Silt Curtain	1	LS
7	2602-0000230 Clean-out of Floating Silt Curtain	1	LS
8		0	
9		0	
10		0	
11		0	
12		0	
13		0	
14		0	
15		0	
16		0	
17		0	
18		0	
19		0	
20		0	
21		0	
22		0	
23		0	
24		0	
25		0	
26		0	
27		0	
28		0	
29		0	
30		0	
31		0	
32		0	
33		0	
34		0	
35		0	
36		0	
37		0	
38		0	
39		0	
40		0	
41		0	
42		0	

Estimate Reference Information

1. See Sheet 8 and referenced IDOT specification for work included in this item. Excavate and/or dewater as necessary to install liner materials.
2. See referenced IDOT specification for work included in this item. Engineer approval is required prior to closing the campground road to traffic.
3. See referenced IDOT specification for work included in this item.
4. See Sheet 8 and referenced IDOT specification for work included in this item. Utilize cured-in-place culvert lining, carrier pipe lining with injection grouting, or other approved method. Included in this item are all labor, equipment, and materials necessary to clean, prep, and line culvert and filling any annular void. Also included in this item is the erosion stone and grouting scour void work shown on Sheet 2 Outlet Detail.
5. See Sheet 8 and referenced IDOT specification for work included in this item. Utilize cured-in-place culvert lining, carrier pipe lining with injection grouting, or other approved method. Included in this item are all labor, equipment, and materials necessary to clean, prep, and line culvert and filling any annular void. Also included in this item is the work shown on Sheet 2 Riser Bottom Detail.
6. See Sheets 2, 3 and 4 for work included in this item.
7. See Sheets 2, 3 and 4 for work included in this item.



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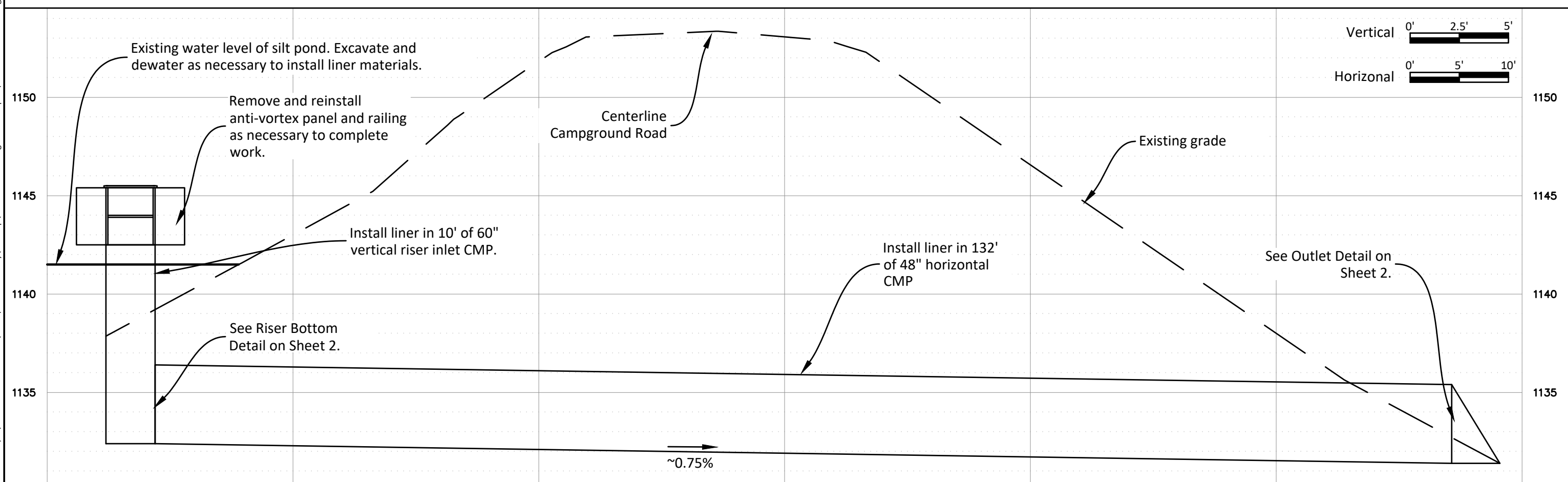
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General Information

1. Verify actual locations and elevations with DNR Engineer.
2. All work shall conform to and be performed in accordance with all applicable codes and ordinances.
3. The contractor shall visit the site and inspect the project area and thoroughly familiarize themselves with the actual job conditions prior to bidding and the start of work. Failure to visit the project site shall not relieve the contractor from performing the work in accordance to the plans, specification, special provisions and contract.
4. The contractor shall verify, at the site, all dimensions and conditions shown on the plans and shall notify the DNR Engineer of any discrepancies, omissions, and/or conflicts prior to proceeding with the work.
5. It shall be the contractor's responsibility to provide waste areas or disposal sites for excess material (excavated material or broken concrete) which is not desirable to be incorporated into the work involved on this project. No payment for overhaul will be allowed for material hauled to these sites. No material shall be placed within the right-of-way, unless specifically stated in the plans or approved by the DNR Engineer.
6. The contractor shall not disturb desirable grass areas and desirable trees outside the construction limits. The contractor will not be permitted to park or service vehicles and equipment or use these areas for storage of materials. Storage, parking and service areas will be subject to the approval of the DNR Engineer.
7. Where utilities and fixtures are shown as Existing on the plans or encountered within the construction area, it shall be the responsibility of the contractor to notify the DNR Engineer of those utilities prior to the beginning of any construction. The contractor shall be afforded access to these facilities for necessary modification of services. Underground facilities, structures and utilities have been plotted from available surveys and records and therefore their locations must be considered approximate only. It is possible there may be others, the existence of which is presently not known or shown. It is the contractor's responsibility to determine their existence and exact location and to avoid damage thereto. No claims for additional compensation will be allowed to the contractor for any interference or delay caused by such work.
8. The contractor shall shape graded area to maintain surface drainage. All elevations are to finish grade.
9. The contractor is expected to have materials, equipment, and labor available on a daily basis to install and maintain erosion control features on the project. This may involve seeding, silt fence, rock ditch checks, silt basins or silt dikes.
10. If equipment requires the use of the road, protect road from damage. Damage to the road, culvert, campground, or other assets shall be repaired by the contractor at the contractor's expense. Repair methods subject to approval of Engineer.
11. Work cannot begin until September 8, 2026. This includes mobilization. No work from noon on Friday to sunrise on Monday in September to avoid peak camping. No work from October 2 to October 13 due to campground Halloween festival.



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