Iowa Department of Natural Resources

Construction Documents for

Pikes Peak State Park

Clayton County, Iowa

Campground Restroom Replacement

Project No. 25-03-22-01

Sheet Index	
1	Cover Sheet
2	Project Overview
3	Quantities & Information
4	General Information
5	Existing Site Plan
6	Proposed Site Plan
7	Details

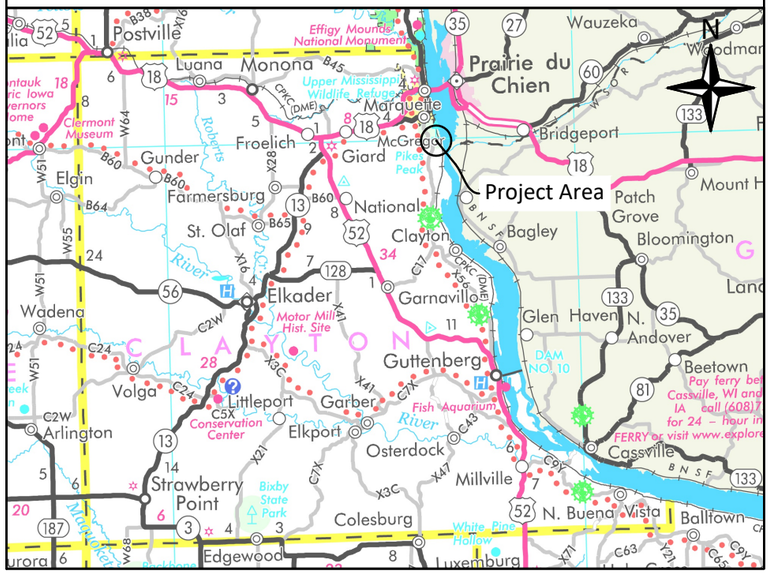
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Project Manager	
Organization	Iowa DNR
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Project Description

This project includes the removal of existing sidewalk, one tree stump, and one vault restroom building. The void from the building demolition will be backfilled with modified subbase and compacted. A new vault restroom building with an electrical service connection, sidewalk, ADA parking space will be installed on the same site. Painting, site grading, erosion control, seeding, and stockpiling crushed stone are also included.

Project Location Map



I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

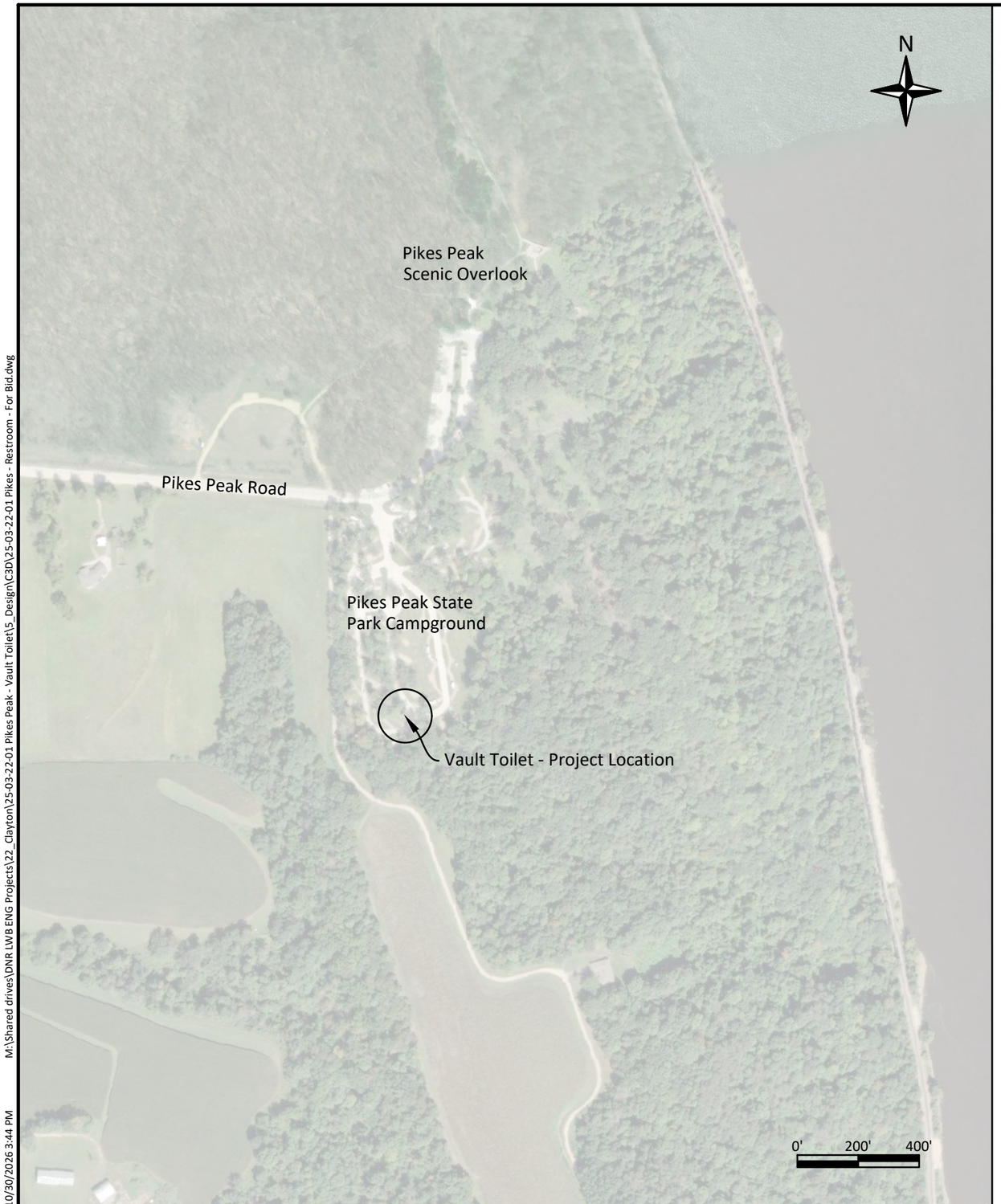
Ken Howe, P.E. Digitally signed by Ken Howe, P.E. Date: 2026.11.02 12:48:54 -06'00'

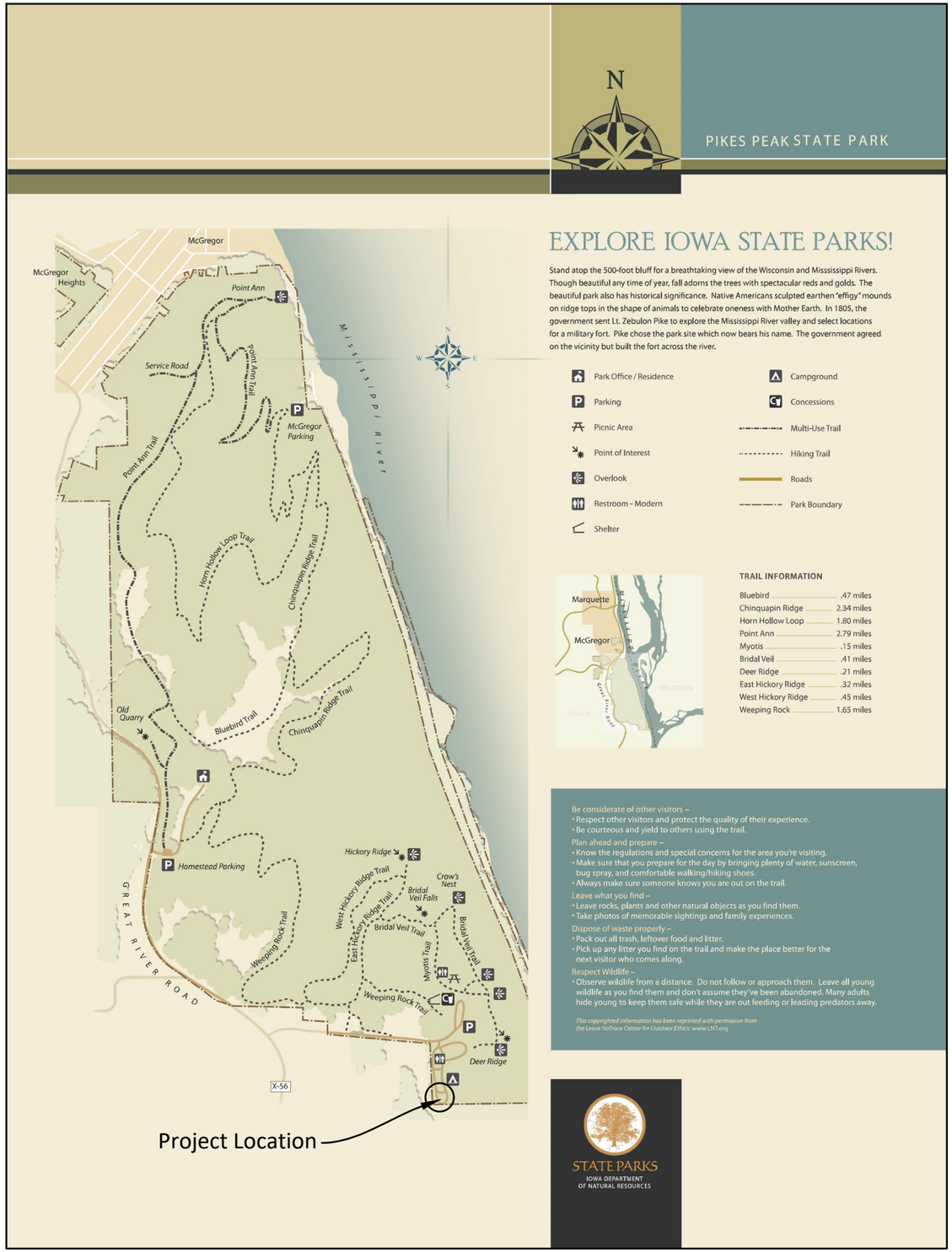
Kenneth Howe — Date

License Number: 21932
My license renewal date is December 31, 2026
Pages or sheets covered by this seal:
All

KENNETH HOWE 21932 — LICENSED PROFESSIONAL ENGINEER — IOWA

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Iowa Department of Natural Resources Engineering Section - 6200 Park Ave., Suite 200 Des Moines, IA 50321-1270	Drawn by: DP Revision: For Bid Date: 10-30-26	Bid Date: 11/19/2026	Project Number: 25-03-22-01	Campground Restroom Replacement Pikes Peak State Park, Clayton County	Project Overview	Sheet No: 2

Estimated Quantities

Item	Item Code	Description	Quantity	Unit
1	2010-A	Clearing and Grubbing	80	UNIT
2	2010-J	Subbase, Modified Subbase	173	TON
3	7010-A	Pavement, Reinforced PCC, 6", Iowa DOT C4 Mix	57	SY
4	7030-A-1	Removal of Sidewalk	24	SY
5	7030-E	Sidewalk, Reinforced PCC, 6"	9	SY
6	8020-D	Painted Pavement Markings, High-Build, Waterborne	0.2	STA
7	8030-A	Temporary Traffic Control	1	LS
8	8040-A	Traffic Sign, ADA Parking	1	EACH
9	9010-B	Seeding, Fertilizing, and Mulching, Type 1	0.1	ACRE
10	9040-F-1	Wattles, 9", Wildlife Friendly	70	LF
11	9040-F-2	Wattle, Removal	70	LF
12	11,020-A	Mobilization	1	LS
13	Special	Remove Existing Restroom Building w/ Vault	1	LS
14	Special	Prefabricated Concrete Restroom Building (Single Vault)	1	LS
15	Special	Concrete Parking Bumper	1	EACH
16	Special	Electrical Connection to Building	1	LS
17	Special	Class A Crushed Stone base	32	TON
18	Special	Class A Crushed Stone, Stockpile	32	TON
19	Special	Site Grading	1	LS

Estimate Reference Information

1. Clearing and Grubbing - Remove tree stump designated by the plan sheets. Damage to trees which are not designated for removal shall not be tolerated. Off site disposal is the responsibility of the contractor. No burning or burying is allowed in the park. Cutting shall be performed between October 1st and March 31st.
2. Subbase, Modified Subbase - Use under pavement and sidewalk, see details. Subbase must extend 2' beyond the edge of pavement. Additionally, use modified subbase to backfill hole from building removal. Compact the material, lifts must not exceed 8" loose thickness.
3. Pavement, Reinforced PCC, 6", Iowa DOT C4 Mix - See pavement detail. Excavation and Subgrade preparation is incidental. 'C' joints shall be sawcut at 12' maximum. Use 'BT' joints for abutting pours. Use 'BT' joint abutting existing road or parking lot. All joints must comply with SUDAS 7010.
4. Removal of Sidewalk - Contractor must remove the existing sidewalk and base as indicated in the plan sheets. All saw cuts shall be incidental. See general note 5.
5. Sidewalk, Reinforced PCC, 6" - See sidewalk detail. Excavation and subgrade preparation is incidental.
6. Painted Pavement Markings, High-Build, Waterborne - Wait a minimum of 14 days after concrete is placed to begin painting PCC, unless otherwise approved by DNR District Engineer.
7. Temporary Traffic Control - Traffic control is required for the duration that construction impedes campground visitor traffic, e.g., building installation. Coordinate acceptable road closure and traffic control plan with DNR District Engineer.
8. Traffic Sign, ADA Parking - Install signs as shown on plan sheets. This line item includes the sign, all accessories, and installation. Signs shall be mounted to the restroom building wall at a mounting height of 5'.
9. Seeding, Fertilizing, and Mulching, Type 1 - Use between March 1 and May 31.
10. Wattles, 9", Wildlife Friendly - Wattles must be EG-Tube Sock by Ero-Guard or approved equivalent. Install as needed and as directed by DNR District Engineer.
11. Wattle, Removal - Remove all wattles unless directed otherwise by DNR District Engineer.
12. Mobilization - **Work is permitted Monday to Thursday. To avoid interference with campground visitors, work is not permitted Friday, Saturday or Sunday.**
13. Remove Existing Restroom Building w/ Vault - Remove building and vault per per plans. Contractor responsible for pumping tank(s) before removal and removal and disposal of all building and underground tank debris. See General Note 5. Excavation is incidental. Contractor responsible for disconnecting and terminating utilities, if present.
14. Prefabricated Concrete Restroom Building (Single Vault) - Refer to the Specifications Manual. Furnish and install a prefabricated single pit vault building (Model: Iowa Single Vault - Right Entry) as manufactured by Huffcutt Concrete Inc. of Chippewa Falls, Wisconsin, or approved equal. **Due to long lead times, Contractor should prepare submittal information and order the building as soon as possible after the contract is executed.** Building shall be equipped for a 120/240V, single phase electrical service connection. Building must have solar vent fan. Dewatering, excavation, and other tasks associated with building installation are incidental to this line item. Contractor shall excavate a minimum of 12" beyond the sides of the tank. Tank (5' depth) shall be placed on 9" of compacted Class A crusted stone. Assemble building and backfill against the tank with Class A crushed stone to finished surface, compact. Follow Manufacturer recommendations during installation.
15. Concrete Parking Bumper - Furnish and install 5" Concrete Parking Bumper per detail.
16. Electrical Connection to Building – Install electrical connection as shown in plans. Includes all necessary connections, boxes, wire and conduit as needed to meet NEC and Iowa Electric Code. A licensed Electrician shall be used and organize an inspection with the State Fire Marshal, if needed. The Electrician shall verify sizing of all proposed wires. Detectable warning tape, 3" wide shall be placed in trenches a minimum 24” below grade and is incidental.
17. Class A Crushed Stone Base - Use as backfill and bedding material around the new restroom building.
18. Class A Crushed Stone, Stockpile - Stockpile in location determined by DNR District Engineer.
19. Site Grading - Includes all work to reach finished grade and restore disturbed areas. See General note 1.

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Iowa Department of Natural Resources
Engineering Section - 6200 Park Ave., Suite 200 Des Moines, IA 50321-1270

Drawn by: DP	
Revision	Date
For Bid	10-30-26

Bid Date: 11/19/2026

Project Number: 25-03-22-01

Campground Restroom Replacement
Pikes Peak State Park, Clayton County

Quantities & Information

Sheet No: 3

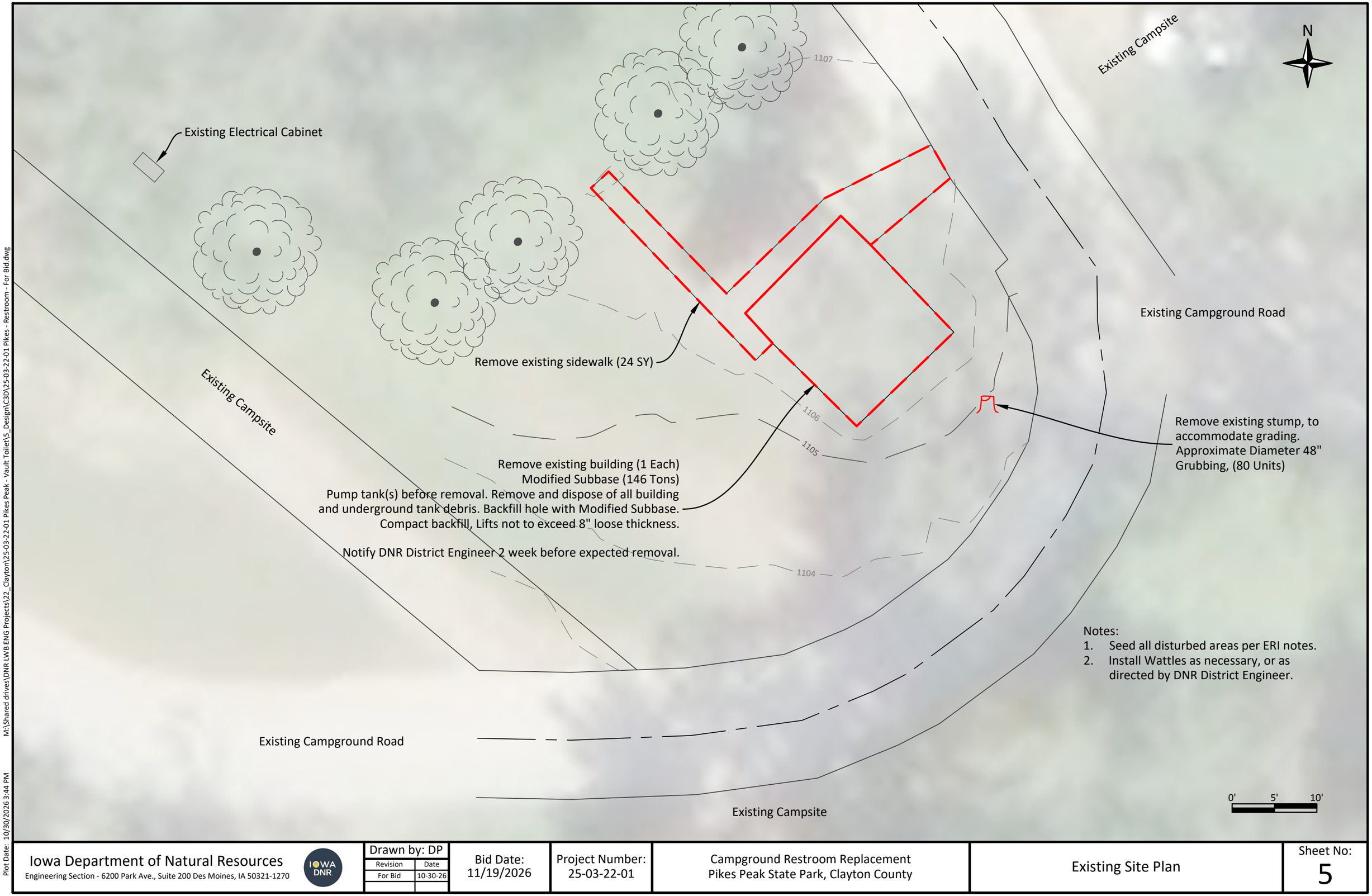
General Information

1. Verify actual locations and elevations with DNR Engineer. DNR to provide construction survey.
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. **Work is permitted Monday to Thursday. To avoid interference with campground visitors, work is not permitted Friday, Saturday or Sunday.**
11. **Due to long lead times, Contractor should prepare submittal information and order the building as soon as possible after the contract is executed. Contractor to notify DNR District Engineer of expected building delivery date, once known.**

Legend

Existing	Proposed	Description
		Ground
		Lakes, Wetlands, Rivers, Streams
		Rip Rap
		Seeding
		RECP (Erosion matting)
		Silt Fence or Erosion Control
		Flow Arrow
		Trees
		Fence
		Demolition or Removal
		Gravel
		Concrete
		Asphalt
(W4)	W8	Water Main
		Hydrant
WV	WV	Water Valve
(SS)	SS8	Sanitary Sewer
S	S	Sanitary Sewer Manhole
(ST24)	ST24	Storm Sewer or Culvert
D	D	Storm Sewer Intake or Manhole
(E) (E)	E E	Electrical
(T) (T)		Communications or Fiber
(G) (G)	GAS	Gas

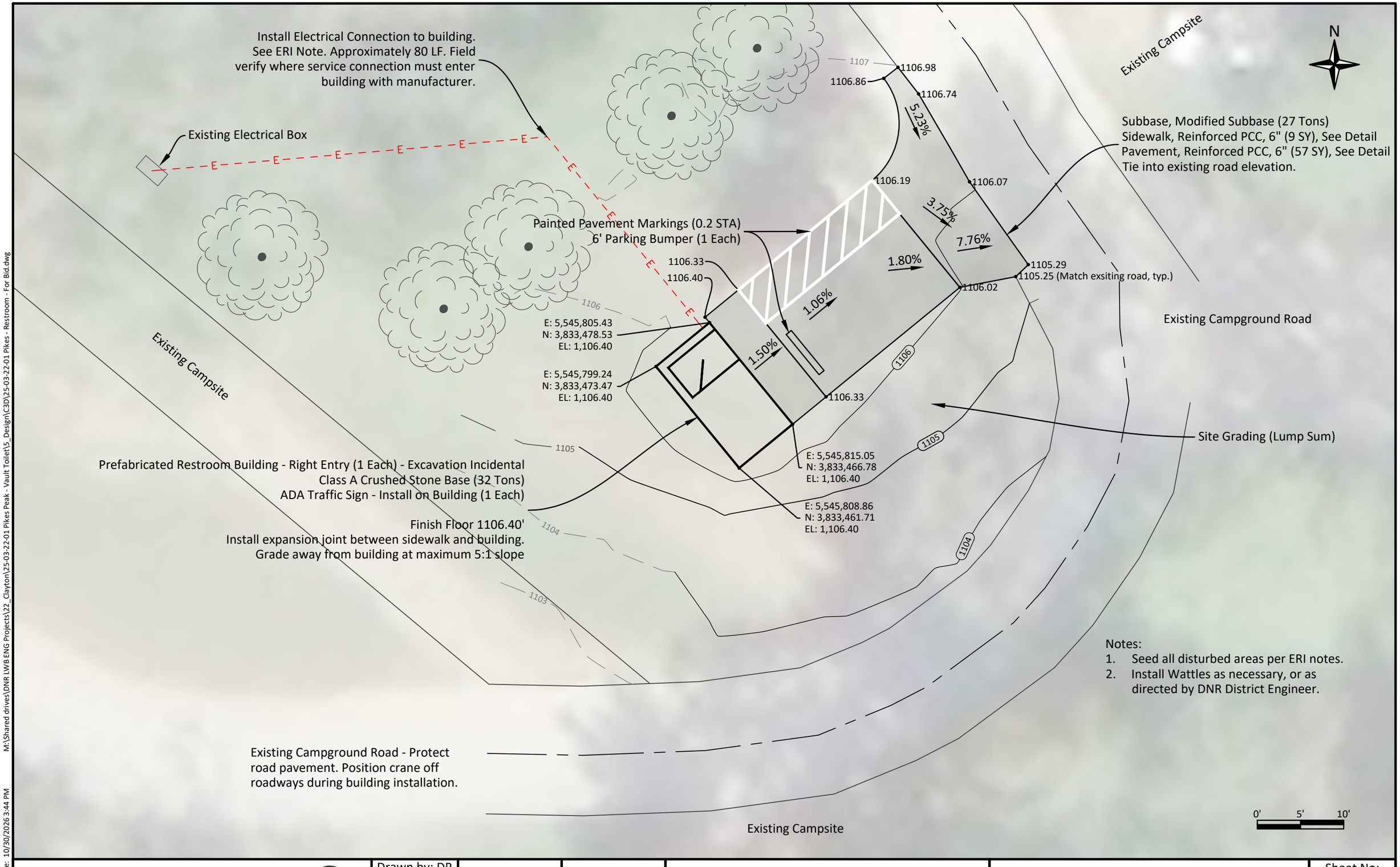
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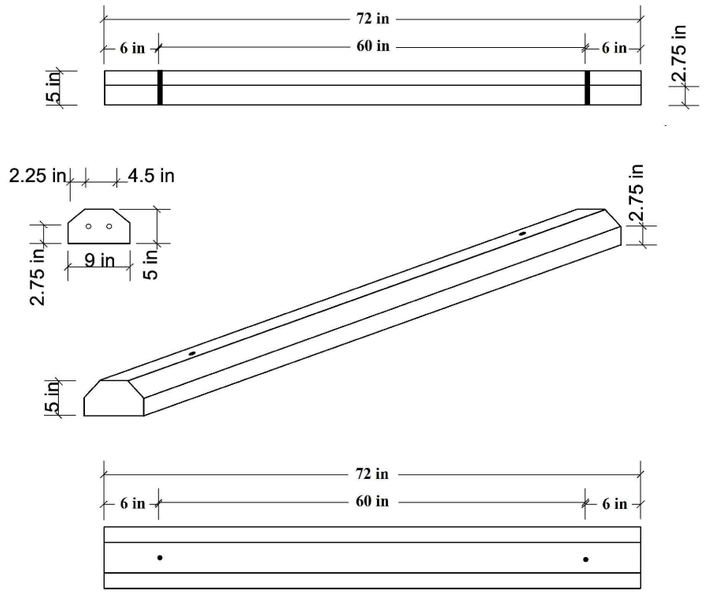
Notes:
1. Seed all disturbed areas per ERI notes.
2. Install Wattles as necessary, or as directed by DNR District Engineer.

Iowa Department of Natural Resources Engineering Section - 6200 Park Ave., Suite 200 Des Moines, IA 50321-1270	Drawn by: DP Revision / Date For Bid / 10-30-26	Bid Date: 11/19/2026	Project Number: 25-03-22-01	Campground Restroom Replacement Pikes Peak State Park, Clayton County	Proposed Site Plan	Sheet No: 6

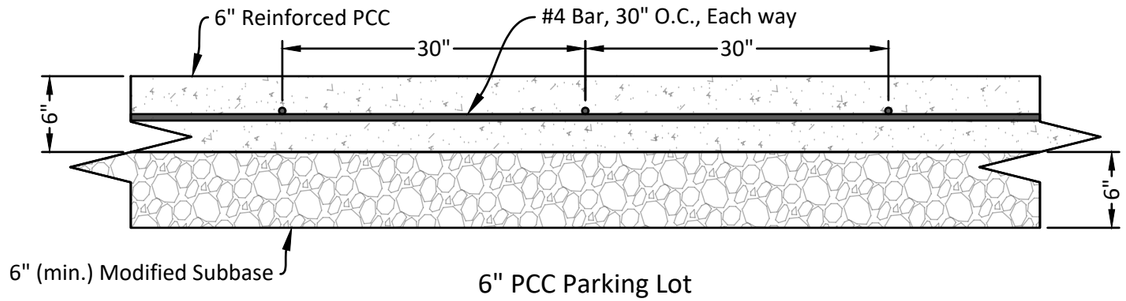
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FLAT PARKING BUMPER

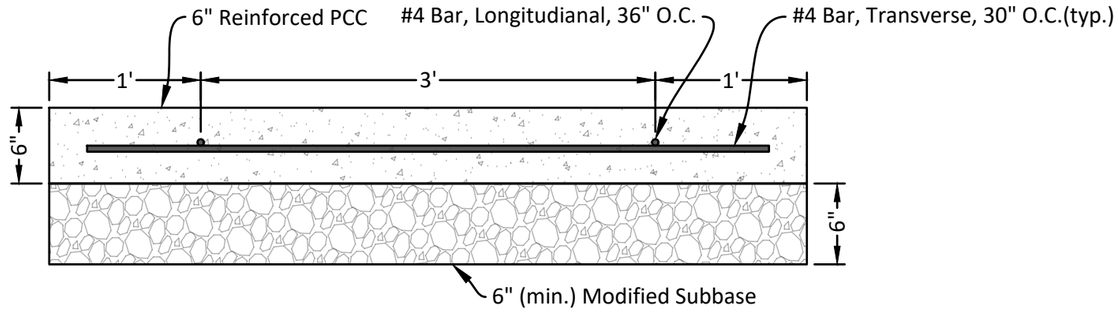


Air Entrained Concrete
4000 p.s.i. @ 28 days
Length: **6'0"**
Height: 5"
Width: 9"



6" PCC Parking Lot
Not To Scale

Notes:
1. Subbase - Maximum 8" loose thickness lifts. Placement, compaction, and final elevation of subbase per SUDAS 2010.
2. Joints per SUDAS.
3. Use 'BT' joint between pavement and sidewalk.
4. Contraction joint must be sawcut at 12' maximum spacing and must be cut to a depth of ¼ of the slab thickness.
5. Minimum Lap Splice Length shall be 24".



Sidewalk Cross Section - 5' Width
Not To Scale

1. Install expansion joint between proposed sidewalk and building.
2. Joints per SUDAS.
3. Use 'BT' joint between pavement and sidewalk.
4. Contraction joint must be sawcut at 5' maximum spacing and must be cut to a depth of ¼ of the slab thickness.
5. Minimum Lap Splice Length shall be 24".

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