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Plot Date: 8/20/2026 8:12 AM



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



Drawn by: MN	
Revision	Date

Bid Date:
mm/dd/yyyy

Project Number:
27-06-56-01

Lower Equestrian Campground Pit Latrine
Shimek State Forest, Lee County

Project Overview

Sheet No:
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Estimated Quantities			
Item	Description	Quantity	Unit
1	Mobilization	1	LS
2	Removal of Existing Pit Latrines	1	LS
3	Reinforced 6" PCC	53	SY
4	6" Granular Subbase	16	Tons
5	Pavement Markings, Yellow	1	LS
6	15 Minute Parking Sign	1	EA
7	Precast Modular Restroom Building	1	LS
8	Site Restoration	1	LS
9	Parking Bumper	1	EA

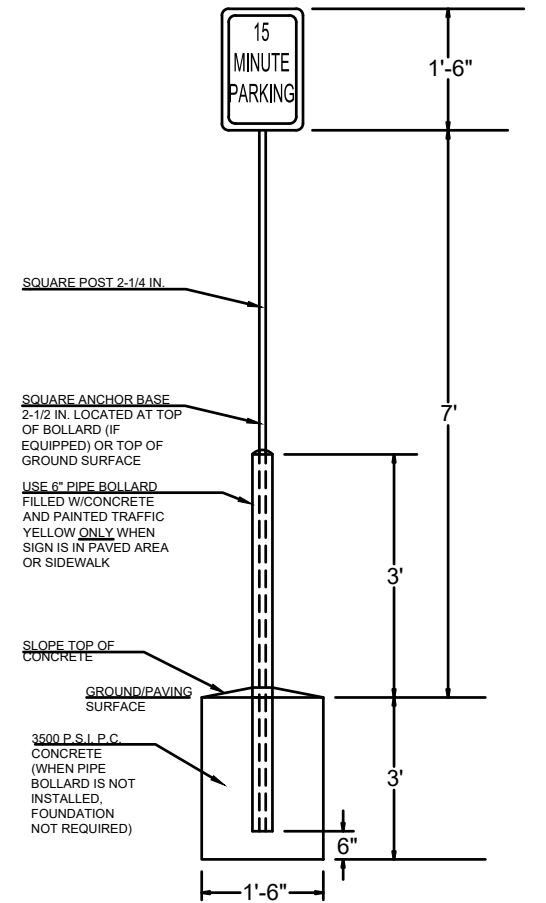
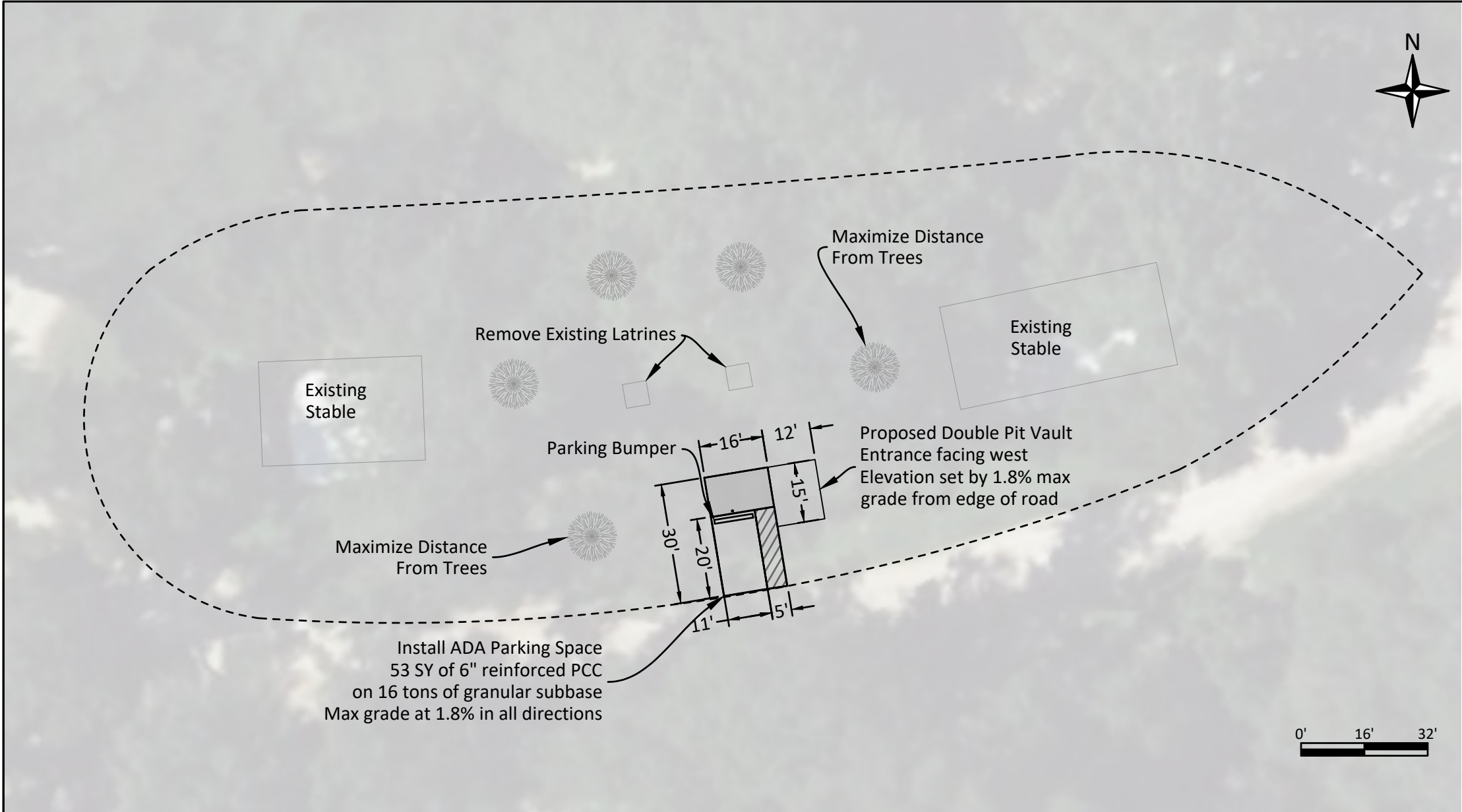
Estimate Reference Information	
1.	Mobilization - Payment per SUDAS Specifications, Section 1090.
2.	Removal of Existing Pit Latrines - Shall adequately dispose of all building materials. Coordinate with DNR Park Staff to schedule pumping out vault excrement. Backfilling the holes shall be incidental. Spoils from proposed building site can be used and installed in 6" lifts.
3.	Reinforced 6" PCC - Use Iowa DOT Class C4-Mix. Shall be reinforced by #4 bars, 24" O.C., each way. Maximum 1.8% slope in all directions. Grading necessary to meet plan elevations shall be incidental. Expansion joints between paving and building shall be incidental. Contractor shall submit a joint plan to the District Engineer for review and approval.
4.	Granular Subbase - Meets Iowa DOT Specifications, Section 4121
5.	Pavement Markings, Yellow - High Build Waterborne Paint, Pavement shall be power washed before painting. A minimum of a 7-day waiting period after paving shall be observed. Paint shall be 4" wide. Hatched ADA access areas shall have 2-foot spacing per MUTCD.
6.	15 Minute Parking Sign - Shall be installed in front of the 20' parking space per the DNR sign detail.
7.	Precast Modular Restroom - Shall be a prefabricated modular building, Model: Iowa Wood Duck, as manufactured by HuffCutt Concrete Inc. of Chippewa Falls, Wisconsin, or approved equal. The associated Class 10 excavation, dewatering, subgrade preparation, and complete building installation are incidental to this one line item.
8.	Site Restoration - Site to be reestablished back to original condition including seeding and mulching all disturbed areas with Iowa DOT Urban Seeding Mix.
9.	Parking Bumper - One parking bumper to be installed centered on the parking spot and 2' from the parking sign

General Information	
1.	Verify actual locations and elevations with District 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.



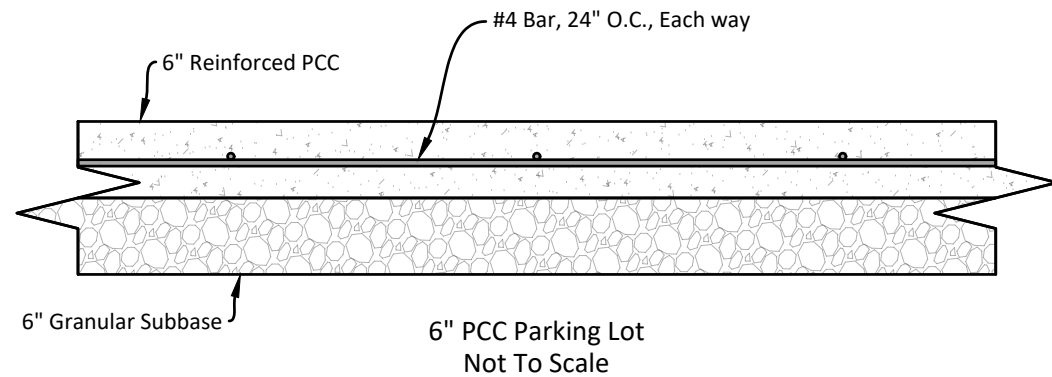
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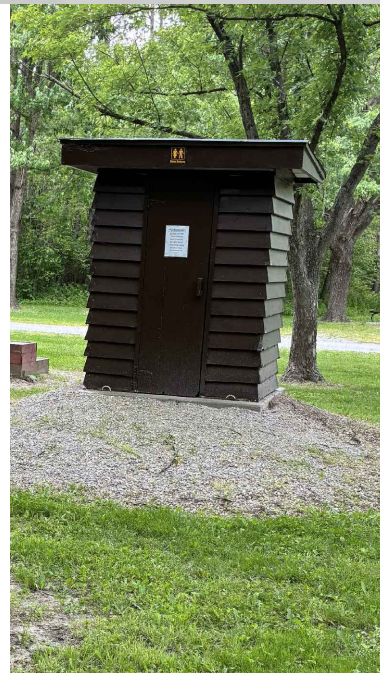


- NOTES
1. 12"x18" 15 MINUTE PARKING SIGN SHALL BE MOUNTED 7' FROM FINISH GRADE TO BOTTOM EDGE OF SIGN FACE. MOUNTING HEIGHT MAY BE REDUCED TO 5' IF PLACED IN A LANDSCAPE AREA IN WHICH PEDESTRIANS ARE NOT EXPECTED TO USE.
 2. BOLLARD MAY BE OMITTED IF INSTALLED IN LANDSCAPE AREAS. WHEN INSTALLED IN LANDSCAPE AREAS, MOUNTING POST SHALL BE DRIVEN A MINIMUM OF 3' BELOW FINISHED GRADE. ALTERNATE MOUNTING POSTS MUST BE APPROVED BY THE FIELD INSPECTOR PRIOR TO CONSTRUCTION.
 3. ALL SIGNAGE SHALL BE ENGINEER GRADE .080 ALUMINUM REFLECTIVE SIGN MEETING THE REQUIREMENTS OF THE MUTCD AND ADAAG.

15 MIN PARKING DETAIL
NOT TO SCALE



- Notes:
1. Minimum Lap Splice Length shall be 12".
 2. Granular Subbase - Maximum 6" lifts. Placement, compaction, and final elevation of subbase shall be per SUDAS 2010.
 3. Control joints shall be cut to a depth of $\frac{1}{4}$ of the slab thickness.



Existing Pit Latrines
to be removed



Existing mounting block located
between the pit latrines to be
relocated by contractor in
location directed by engineer
(incidental)