

Sign Installation Guidelines

The contractor shall be responsible for providing and installing all items within this narrative, the attached drawings, the project manual, and contract unless specifically noted otherwise. This narrative is not meant to be a comprehensive account of all items to be covered by the contract, review all documents. Contractor is responsible for verifying all locations and quantities prior to construction. Entire Project shall be completed no later than June 16, 2023.

Contractor shall clear and grub sign locations at each Park, of small caliper trees and brush as needed. Contractor shall call Iowa One Call and hire a utility locate company, for all private utility locations, to determine conflicts with possibly utility locations and shall set final location with DNR Sign Manager (to be designated at walk-through).

Contractor shall install signs of all types shown in the attached sign guide pages at locations determined by the Park map. A DNR representative shall walk-through the Park with the contractor and flag all locations with designated signs. The DNR shall supply all materials for installation of the signs, including hardware, caps, fasteners, wood posts, steel poles, and aluminum signs. Contractor shall furnish their own tools for installation.

Contractor shall dig holes for the signs requiring 4x4 and 6x6 posts, these holes shall be a minimum of 42" deep. Contractor shall stain all wood posts with two (2x) coats of TWP 100 stain when temperatures are above 50F throughout the day or in temperature controlled environment; DNR shall provide all stain required. Contractor shall then backfill and compact the earth around the post. Posts shall be plumb and then the contractor shall trim the beams to the approved height shown on the sign guide. The heights shall be approximate based on roadway elevations. Signs requiring two (2) posts, the posts shall be installed square to one another. Signs may be installed perpendicular, parallel, or angled depending on the situation at the sign location, refer to DNR representative for all placement questions. The contractor shall then hang the sign level, with the approved and provided hardware.

Signs which are to be installed on telespar steel posts, shall have a base which is driven into the ground plumb. The contractor shall install the sign with provided rivets, the signs shall be hung level with appropriate spacing between other signs, if applicable. The post with signs shall then be inserted into the post base, ensuring the post is plumb and the signs are appropriately facing the correct direction as determined by the DNR representative. Contractor shall install anchoring hardware to connect the post to the base as needed.

Sign Types (see Attachment C Sign Examples)

B signs – Directional signs: shall be on 2x2 steel telespar posts, multiple signs may be attached at one location. Signs will be attached via telespar rivets and sign bracket backers. Lowest sign shall be mounted at 7'-6" off roadway elevation and post height shall be cut to size based on quantity of signs, maximum of three.

D signs – Destination signs: shall be on 6x6 treated posts (D4 on 4x4 posts), all will be double post signs and will require 42" deep hole to be dug, post to be set plumb and square (parallel or perpendicular based on flagging location) to roadway and compacted. Signs will be attached with hex-head bolts,

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washers and nuts. Posts will receive a steel cap when complete. D5 signs shall be surface mounted square and level on a

E signs – Informational signs: Shall be on either 6x6 or 4x4 treated posts will require 42” deep hole to be dug, post to be places plumb and square (parallel or perpendicular based on flagging location) to roadway. Signs will be attached with hex-head bolts, washers and nuts. Posts will receive a steel cap when complete. E1, E10, and E11 signs shall be on two 6x6 treated posts, E2, E3, and E4 shall be on two 4x4 treated posts, and E5, E6, and E7 signs shall be on a single 4x4 treated post.

G Signs – Campground Signage: G1 and G2 signs shall be installed on a single 4x4 treated wood posts (no cap). G3, G4, and G5 signs shall be surface mounted in the check-in kiosk or location assigned by park staff with washer head screws. G6 signs shall be on a single 2x2 steel telespar post, multiple signs may be attached at one location. Signs will be attached via telespar rivets and sign bracket backers. Lowest sign shall be mounted at 7’-6” roadway elevation and post height shall be cut to size based on quantity of signs, maximum of two.

Sign Location Quantities (see Attachment C map)

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B3 – 18
C1 - 4
D2 – 3
D3 – 2
D5 - 2
D7 – 4
E1 – 3
E2 – 3
E3 - 2
E4, E5, E6, E7 – 24
E10 – 5

General Notes

- A. Stockpile extra dirt in location determined by DNR Inspector.
- B. Field verify all quantities and locations prior to installation.
- C. All fasteners, and anchors to be supplied by the DNR.
- D. All wood products to receive two (2) coats of TWP 116 Rustic stain.
- E. Contractor to contact Iowa One Call (811) to avoid utility conflicts.
- F. Contractor to install all signs and posts plumb, square, and level.
- G. Contractor shall restore all disturbed area with DOT mix grass seed and mulch when complete.

Verify actual sign locations and heights with DNR staff/project manager.

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, specifications, special provisions, and contract.

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The contractor shall verify, at the site, all locations and conditions shown on the plans/GIS application and shall notify the DNR engineer of any discrepancies, omissions, and/or conflicts prior to proceeding with the work.

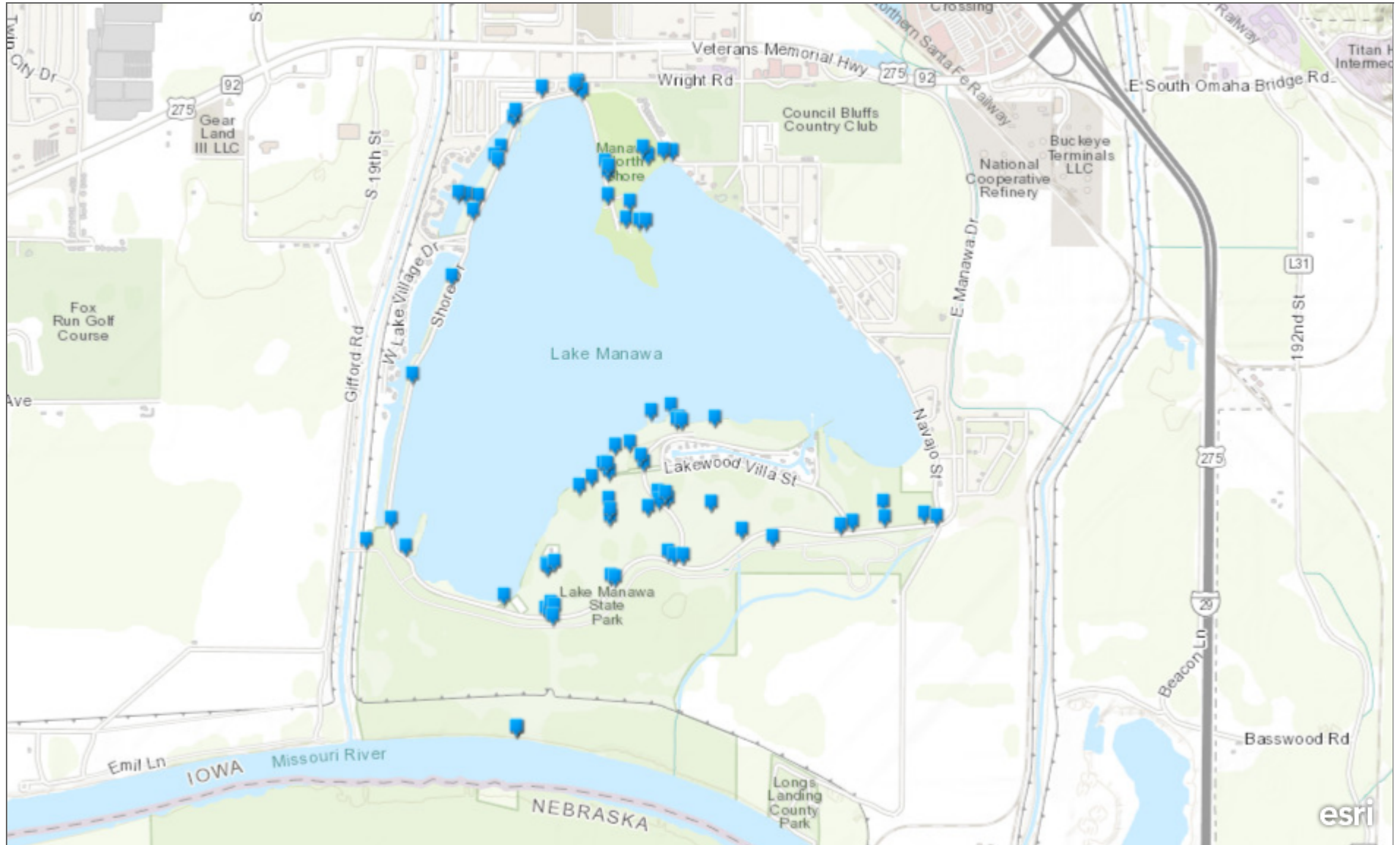
It shall be the contractor's responsibility to provide storage areas or disposal sites for excess material which is not desirable to be incorporated into the work involved on this project.

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.

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 to avoid damage thereto. No claims for additional compensation will be allowed to the contractor for any interference or delay caused by such work.

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, if required.

State Parks Signs Inventory Map

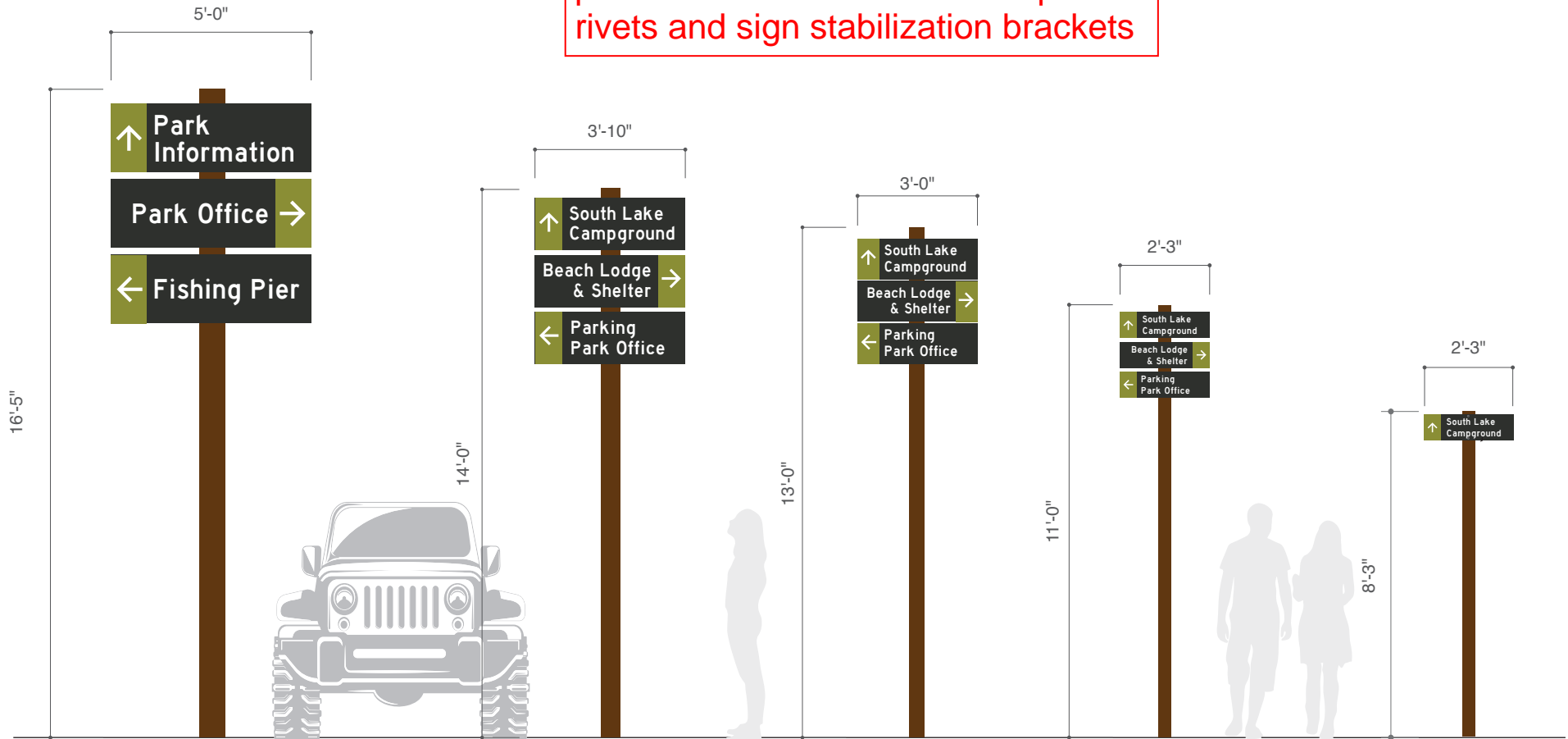


To be used to edit the Signs Inventory in Collector and Map Viewer

0.4mi

County of Pottawattamie, Iowa DNR, Nebraska Game & Parks Commission, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, EPA, USDA

All B signs shall be on steel Telespar posts and attached with Telespar rivets and sign stabilization brackets



01 B1 - Vehicular Directional - Large
Elevation Scale - 1/4" = 1'-0"

02 B2 - Vehicular Directional - Medium
Elevation Scale - 1/4" = 1'-0"

03 B3 - Vehicular Directional - Small
Elevation Scale - 1/4" = 1'-0"

04 C1 - Pedestrian Directional
Elevation Scale - 1/4" = 1'-0"

05 C2 - Pedestrian Directional
Elevation Scale - 1/4" = 1'-0"

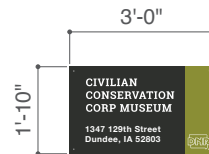
D1, D2, and D3 signs shall be on 6x6 treated wood posts, some D4 signs shall be on 4x4 treated posts (with steel caps). Other D4 and D5 signs shall be surface mounted.



01 Sign Type - D1 - Destination Identification - Large
Elevation Scale - 1/4" = 1'-0"

02 Sign Type - D2 - Destination Identification - Small
Elevation Scale - 1/4" = 1'-0"

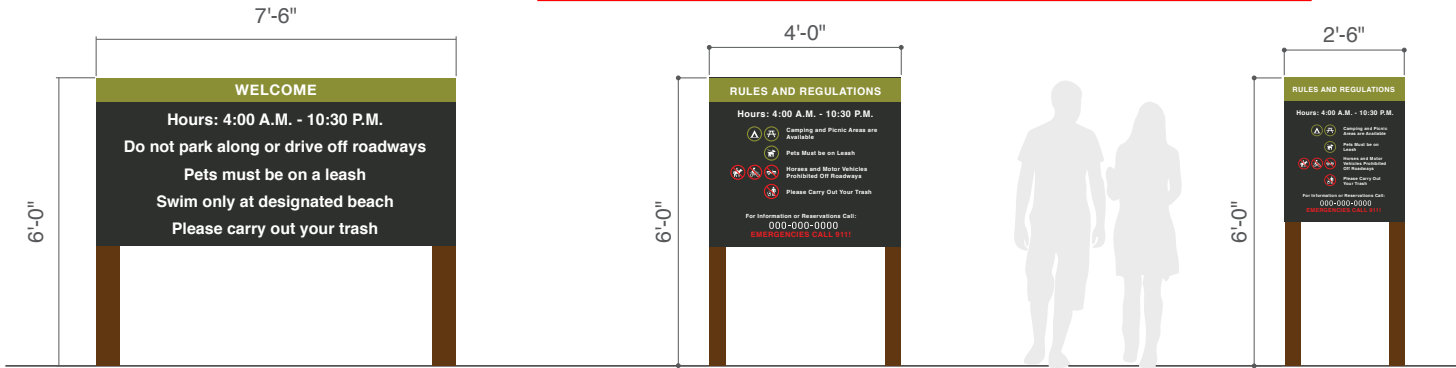
03 Sign Type - D3 - Destination Directional
Elevation Scale - 1/4" = 1'-0"



04 D4 - Wall Mounted Destination Identification - Large
Elevation Scale - 1/4" = 1'-0"

05 D5 - Wall Mounted Destination Identification - Small
Elevation Scale - 1/4" = 1'-0"

E1, E10, and E11 signs shall be on 6x6 treated wood posts, some E2, E3, E4, E5, E6, and E7 signs shall be on 4x4 treated posts (with steel caps).



01 E1 - Rules & Regulations - Large
Elevation

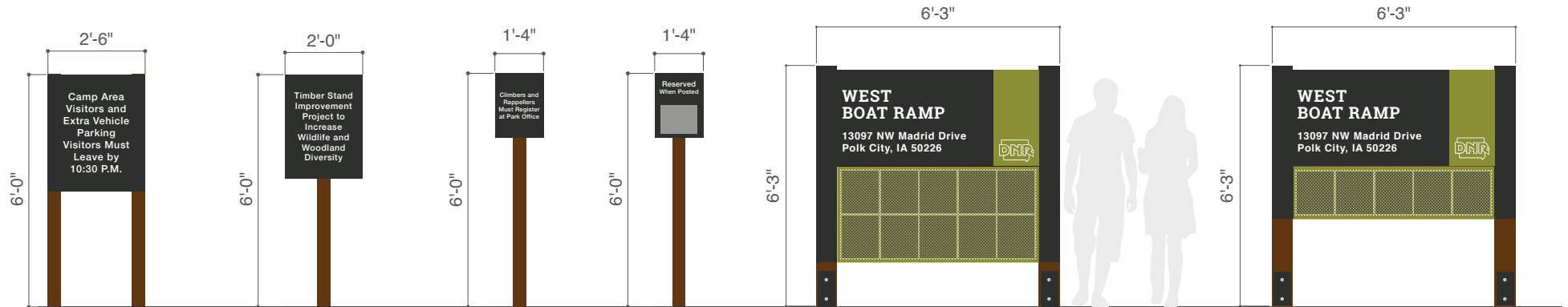
Scale - 1/4" = 1'-0"

02 E2 - Rules & Regulations - Medium
Elevation

Scale - 1/4" = 1'-0"

03 E3 - Rules & Regulations - Small
Elevation

Scale - 1/4" = 1'-0"



04 E4 / E5 - Informational - Large / Medium
Elevation

Scale - 1/4" = 1'-0"

05 E6 / E7 - Informational w/ Insert Holder
Elevation

Scale - 1/4" = 1'-0"

06 Sign Type - E10 - Boat Dock Rules & Regulations - Large
Elevation

Scale - 1/4" = 1'-0"

07 Sign Type - E11 - Boat Dock Rules & Regulations - Small
Elevation

Scale - 1/4" = 1'-0"