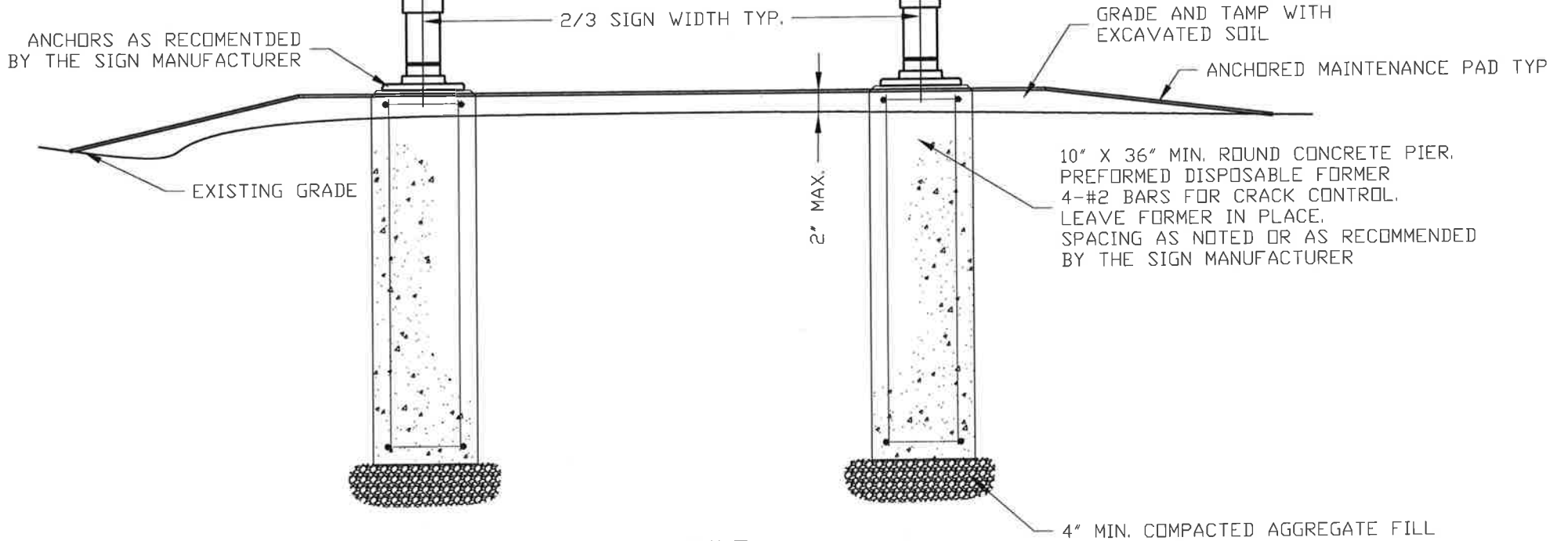


FAA UNLIGHTED GUIDANCE SIGN, WITH BRACING, SUPPORTS, AND FRANGIBLE COUPLINGS AS RECOMMENDED BY THE MANUFACTURER TO COMPLY WITH REQUIREMENTS OF L-858/MODE-1



3-MODULE  
L-858 UNLIGHTED SIGN  
SIZE-1, STYLE-4, MODE-1

NOTE: N.T.S.  
AT THE CONTRACTORS OPTION  
PIERS MAY BE PRECAST

**SP-1-2.2 Anchored Maintenance Pad Anchors:**

The product manufacturer shall provide recommendations for anchors to maintain close contact with the surrounding soil. All pads/matting shall be installed and secured in a manner rated for a sustained 100 mph wind. Acceptable anchors shall be galvanized steel anchors a minimum of 12-inches in length, sized to secure the matting and be of the pin, screw, or staple type, as recommended by the product manufacturer.

**SP-1-2.3 Warranty**

Following the date of the Engineer's final acceptance of all work under a given project, the Contractor shall provide the Owner a **two (2) year warranty** on materials and workmanship against patent and latent defects arising from faulty materials, faulty workmanship, and negligence pertaining to this contract item. All defective material and workmanship that fails to meet the requirements of this contract item during the warranty period shall be corrected by the Contractor at no additional expense to the Owner.

**CONSTRUCTION METHODS****SP-1-3.1 Weather Limitations:**

Do not install anchored maintenance pads when ground temperature is below 40°F, water is present in the area of the mat installation, or rain is imminent.

**SP-1-3.2 Preparation:**

Confirm that the Anchored Maintenance Pad sites conform to locations and details as shown in the Plans. Contractor will prepare the ground so that the pads are installed on a smooth and stable surface to prevent buckling, high spots, or erosion. Prior to installation of the pads/matting, the Contractor will correct all trouble spots where the pad might not lay flat or where the elevation of the apron around the pad might be such that where a mower deck could scalp the ground. If there is uncertainty, Contractor should arrange for mower equipment to be run over the area to confirm proper mower deck ground clearance. In the event of existing heavy/thick vegetation, Contractor shall trim the vegetation to ground level to minimize settling.

**SP-1-3.3 Installation:**

All anchored maintenance pad matting shall be constructed in accordance with the manufacturer's instructions, and details, lines, grades, dimensions, and at locations as shown on the plans or as directed by the Engineer. All pads or matting shall be installed and secured in a manner rated for sustained 100 mph wind.

**SP-1-3.3.1 Round Pad for Pad or Base Mount Lighting:**

The preformed center hole of the mat shall be fit snugly around the base can lid, while still allowing access to the bolts to remove the lid for general maintenance and troubleshooting of the light. Lay the mat over the light and anchor. When using the dual application round mat system, the collar insert is installed and removed through the center hole for access to base can lid without removing entire mat.

**SP-1-3.3.2 Round Pad for Stake Mount Lighting:**

The collar insert is to be first placed around the light for a snug fit up against the light support. The elliptical mat will overlay the center insert. Place the collar around the stake light. Place the round mat over the collar on the light and anchor.

**SP-1-3.3.3 Elliptical Pad for Pad or Base Mount Lighting:**

The preformed center hole of the mat shall be fit snugly around the base can lid, while still allowing access to the bolts to remove the lid for general maintenance and troubleshooting of the light. Lay the mat over the light with the major axis of the ellipse pointing in the direction equipment will travel and anchor. When using a dual mat system, the collar insert is installed and removed through the center hole for access to base can lid without removing entire mat.

**SP-1-3.3.4 Elliptical Pad for Stake Mount Lighting:**

The collar insert is to be first placed around the light for a snug fit up against the light support. The elliptical mat will overlay the round center insert. Place the collar around the stake light. Place the elliptical mat over the collar on the light with the major axis of the ellipse pointing in the direction equipment will travel and anchor.

**SP-1-3.3.5 Strip Matting:**

The strip matting will be used along buildings, fences, Nav-Aids, signs or other equipment where vegetation control is desired to allow a contingency space between the object to be protected and mowing equipment. The strip matting can be cut to length. Matting strips shall adequately overlap each other at corners. Anchor placement shall be determined upon installation and anchor holes cut in the strip mat accordingly. The Anchor holes are best cut with a hole saw. When installing around an object with a concrete base, overlap the concrete 2-4 inches. Manufacturers approved compatible adhesive caulking (EDPM) roofing sealant shall be used to seal the overlapping mat to the concrete base. The strip mat shall be overlapped at all corners past the first common anchor. Anchors shall be placed at each corner and the remaining matting be secured by anchors on a minimum and maximum spacing of 18 to 36-inches.

**SP-1-3.4 Anchoring:**

All pads/matting shall be installed and secured in a manner rated for a sustained 100 mph wind. Acceptable anchors shall be a minimum of 12-inches in length, sized to secure the matting and be of the pin, screw, or staple type, as recommended by the product manufacturer. Anchors shall be placed on a minimum and maximum spacing of 18 to 36-inches, or as recommended by the product manufacturer.

**SP-1-3.5 Quality Control:**

Adjust pads, matting, and anchors as required to minimize buckling for a flush installation. The Contractor shall demonstrate proper mower clearance over the finished Anchored Maintenance Pad installations. In the case of freshly graded soils or thick growth it may be necessary to return to the mats within the first year, once the soil and or the vegetation has settled, to confirm that anchors remain flush with the mat and the ground.

**SP-1-3.6 Protection and Cleanup:**

Unsecured materials shall NOT be permitted to be stored or left unattended on the airfield. The Contractor shall be responsible for the clean-up and removal from the work area all debris, waste, excavated material, residual repair materials, and by-products generated by the preparation and installation operations to the satisfaction of the Engineer. The Contractor shall dispose of all wastes in strict compliance with all applicable Federal, State, and Local, requirements and regulations.

**METHOD OF MEASUREMENT**

SP-1-4. Anchored Maintenance Pad, Strip Matting shall be measured by the square foot of pad installed acceptable to the Engineer.

**BASIS OF PAYMENT**

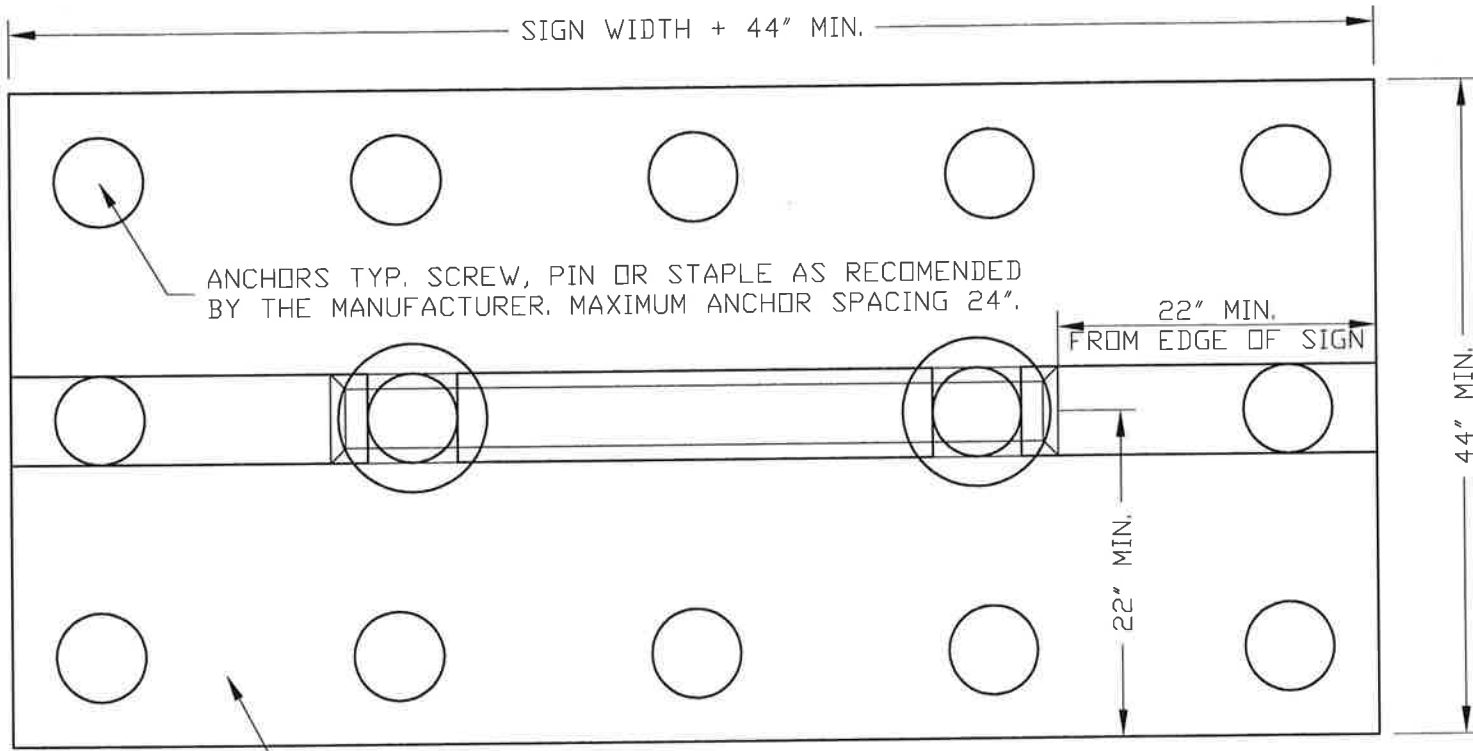
SP-1-5. Payment will be made at the contract unit price per square foot as noted for Anchored Maintenance Pad installed in accordance with the project requirements and acceptable to the engineer. Payment for each item will be full compensation for furnishing all materials, preparation, and installation of mats, all labor, equipment, tools, and incidentals necessary to complete the work.

Payment will be made under:

SP-1-5.1.1 Anchored Maintenance Pad, Strip Matting

PER SQUARE FOOT

END OF ITEM SP-1



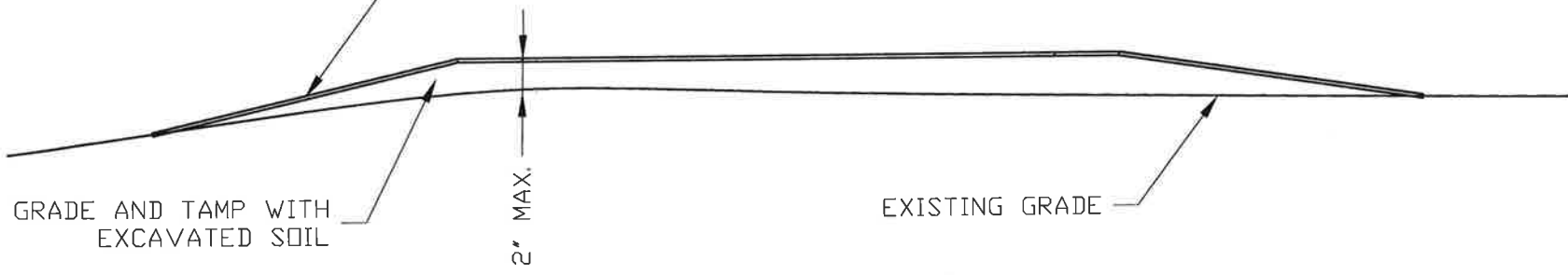
ANCHORS TYP. SCREW, PIN OR STAPLE AS RECOMMENDED BY THE MANUFACTURER. MAXIMUM ANCHOR SPACING 24".

22" MIN. FROM EDGE OF SIGN

22" MIN.

44" MIN.

1/4" RECYCLED UV STABILIZED RUBBER MATTING MINIMUM 2" OVERLAP. ALL SEAMS AND PIER COLLARS SHALL BE BONDED OR SEALED WITH A COMPATIBLE ADHESIVE SEALER IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS



GRADE AND TAMP WITH EXCAVATED SOIL

2" MAX.

EXISTING GRADE

FAA L-858 UNLIGHTED SIGN  
TYPICAL ANCHORED MAINTENANCE PAD

N.T.S.

**ITEM: SP-1 ANCHORED MAINTENANCE PAD**

**DESCRIPTION**

**SP-1-1.0** This item shall consist of furnishing and installing recycled rubber Anchored Maintenance Pads in compliance with this specification and all manufacturers' recommendations, at locations as designated on the drawings or as required by the Engineer.

**MATERIALS**

**SP-1-2.0** Products that meet or exceed the following requirements and specifications may be used; however, proof of conformance to these criteria shall be required, in a format acceptable to the Engineer.

**SP-1-2.1 Anchored Maintenance Pad Matting:**

**TABLE 1 –MATTING MATERIAL PROPERTIES**

<b>PROPERTY</b>	<b>ASTM</b>	<b>SPECIFICATIONS</b>
<b>Tensile Strength</b> with grain, min. across grain, min.	D412	650 psi 325 psi
<b>Elongation (%)</b> with grain, min. across grain, min.	D412	80% 40%
<b>Hardness, Shore A</b>	D2240	75-95
<b>Tear Resistance</b> with grain, min. across grain, min.	D624	250 pli 125 pli
<b>Ozone Resistance</b> Tear across grain, kN/m min.	80pphm 50hrs @ 38°C	100 pli
<b>Temperature Range</b>		-20° to +150°F
<b>Resistance to UV</b>	D1148	STABLE

**TABLE 2 – ANCHORED MAINTENANCE PAD MEASUREMENTS**

<b>Description</b>	<b>Width (inches)</b>	<b>Length (inches)</b>	<b>Thickness (inches)</b>	<b>Center Hole Dia. (inches)</b>	<b>Collar Insert Dia. (inches)</b>	<b>Application:</b>
Round Pad	48	N/A	.25	12	18	Stake, Base, and Pad Mounted Lights
Elliptical Pad	48	84	.25	12	18	Stake, Base, and Pad Mounted Lights
Strip Matting	24 (Min.)	As Required	.25	N/A	N/A	Perimeter Matting around Nav-Aids, Signs, Fencing and Equipment