

ROAD COMMISSION FOR OAKLAND COUNTY

S.A.D. SPECIAL PROVISION
FOR
SPRINKLER SYSTEMS

RCOC/SAD:RS/YE

Page 1 of 3

20SAD850C
ORG: 01-12-21

a. Description.

This work consists of preserving, protecting, maintaining, relocating, and reconnecting lawn sprinklers during construction and restoring them to their pre-construction condition or better prior to the completion of work. This work shall be in accordance with the *2020 Michigan Department of Transportation Standard Specifications for Construction*, except as provided herein.

b. Materials.

Materials provided to reconstruct sprinkler systems shall be of equal or greater quality than the originally installed materials. When replacement of portions of existing systems is necessary the components shall match and duplicate the existing materials as closely as practicable.

c. Construction.

Control and minimize damage to sprinkler systems, lawns and landscaping by keeping the systems in service as much as possible.

1. Walk-Through

The Contractor shall arrange a walk-through before any contract work begins with the property owner or designated representative, accompanied by the Engineer or Inspector. The Contractor shall locate and evaluate the existing sprinkler system design of each and every property adjacent to the construction. Determine the types of sprinkler heads, lines, valves, controllers and their condition, functionality, and integrity. Document this information with sketches, drawings and narrative. Submit the documentation to the Engineer prior to any construction. The Engineer will use the documentation to verify need and approve any payment for repairs to the system.

2. Preservation & Protection

Preserve and protect existing lawn, landscaping and irrigation systems that are not disturbed by construction. Prevent lawn or landscape areas that are undisturbed by construction from turning brown due to the Contractors disruption of existing sprinkler system service. Such damage to lawns shall be restored with sod and landscaping, and replaced in kind at the Contractors expense.

The Contractor shall employ appropriate methods that achieve the required results for the conditions at each location. Methods could include but not be limited to:

- A. Minimize disruption or damage to portions of systems that are in the way of proposed construction.
- B. Minimize the duration that all sprinkler systems and networks will be out of service.
- C. Temporary provisions for watering/sprinkling during construction.

3. Relocation & Restoration

Existing lawn sprinklers that interfere with construction activities or the completed improvements will be temporarily relocated and permanently restored. The Contractor shall utilize methods appropriate to the situation and conditions. Any and all sprinkler systems within the project limits, or impacted by the work of this contract, shall be restored with at least equal quality materials and workmanship, to a functioning condition at least as good as existed prior to work beginning.

- A. Temporarily move or partially remove sprinkler facilities and underground piping so they don't interfere with the proposed construction.
- B. Maintaining operational service may be a desirable method for temporarily watering/sprinkling to assist with the preservation and protection of lawns and landscaping. Temporarily moved/disconnected sprinkler heads are not required to be maintained in operational service (sprinkling turf or landscaping) during construction, however the Contractor will be responsible for damage due to disruption of service. The preservation and protection requirements included herein must be met.
- C. Restore sprinkler systems to permanent locations as directed by the Engineer.
- D. The amount of facilities that need to be disconnected and reconnected and the quantity of materials necessary is subject to the Contractors proposed methods.

- 4. Additional sprinklers not shown on the plans may be encountered during construction.
- 5. All necessary work shall be subject to approval by the Engineer.

d. Measurement and Payment.

Pay Item	Pay Unit
Sprinkler Head, Relocate, SAD.....	Each

Payment for **Sprinkler Head, Relocate, SAD** includes all equipment, labor and materials to complete the work as specified above. Engineer approval of proposed methods does not imply efficacy of methods nor sufficiency for payment. Payment will be based upon satisfactory completion of the work.

No payment shall be made if the Contractor fails to fulfill the walk-through requirements. No payment shall be made for repairs not deemed necessary and approved by the Engineer as a result of the walk-through and evaluation process.

Preservation and protection of existing lawn, landscaping and irrigation systems that are not disturbed by construction will not be paid for separately but shall be included in payment for **Sprinkler Head, Relocate, SAD**. The Engineer may retain out of any amount due amounts sufficient to cover damage to facilities.

Temporarily relocating, moving, disconnecting, partially removing, and permanently restoring sprinkler heads with at least equal quality materials and workmanship, to a functioning condition at least as good as existed prior to work beginning, will be included in the contract unit price for

Sprinkler Head, Relocate, SAD. This includes costs for of furnishing all necessary materials, fittings, pipes, sprinkler lines, connecting, testing and adjusting, excavation, backfilling and disposal of surplus material. Sprinkler heads and sprinkler lines will not be paid for separately. All necessary components shall be provided by the Contractor.

Payment for all work will be included in payment for completion of the work and final placement of the sprinkler head. Payments will be made after completion of the work, and completion of restoration of damage to existing lawn, landscaping and irrigation systems that are not disturbed by construction. Payment shall be at the contract unit price for the actual number of sprinkler heads relocated. Each sprinkler head shall only be paid for once. The Engineer will not make adjustments in the contract unit price for work to achieve the final product required in this special provision.