

**Murray Contractors BID MANUAL**
Section 32 LANDSCAPING AND IRRIGATION**Bid Package # 32 LANDSCAPING AND IRRIGATION**

Your signature on this page is confirmation of your bid and an acknowledgement and acceptance of the requirements of the Murray Bid Manual, project schedule and all Addendums and CM Clarifications.

Company AR State Contractor's License #

Name Title

Address

City State Zip Code

Phone Number w/ Area Code Email Address

Specification:

Bidders will include work from referenced specifications and other work normally associated with this trade whether referenced or not.

1. 32 8400 PLANTING IRRIGATION
2. 32 9115 SOILS
3. 32 9200 TURF AND GRASSES
4. 32 9300 PLANTS
5. 31 1100 SITE PREPARATION
6. 31 2200 SITE GRADING
7. 31 1000 SITE CLEARING

Scope of Work:

The bid package shall also include the following items but shall not limit more stringent requirements found elsewhere in the contract documents unless specifically listed as exclusion below.

1. Provide all labor, supervision, equipment, hoisting, materials, licenses, and trade permits required to perform all work, turnkey, outlined in this subcontract. Work not specifically shown but considered a standard requirement in the completion of this work is included.
2. All applicable sales tax (unless noted otherwise)
3. Submittals and shop drawings submitted to Murray Contractors within (14) days of award of contract.
4. Closeout documents submitted per Murray Contractors closeout procedures with (14) days prior to the original substantial completion date of the project.
5. Specified warranties shall be from the date of substantial completion.
6. Freight to the jobsite as it pertains to this scope of work, including any quick-shipment premiums.
7. Maintain accurate as-built drawings.

8. Verification of elevations and field measurements shown on documents prior to commencing work.
9. Installation of materials over substrate indicates acceptance of substrate.
10. Required layout for this scope, benchmark provided by others.
11. Required coordination with other trades.
12. Multiple mobilizations as required to perform this scope of work.
13. Should this subcontractor delay the critical path schedule, subcontractor shall provide all necessary overtime and manpower required to return this scope of work to be on schedule no cost to Murray Contractors.
14. Qualified, properly trained, and experienced supervision at all times.
15. Unloading of materials and deliveries to be placed on proper dunnage to prevent product damage.
16. Provide weather protection for stored materials.
17. Repair and replace any damage done to existing SWPPP measures by this trade.
18. Cleanup of any track out by this trade.
19. Subcontractor is responsible for damage done by its own forces to other trade's work.
20. Provide daily clean-up of all debris generated by subcontractor to Murray Contractors provided dumpster.
21. Compliance with all rules, regulations, and requirements of local, state, and federal authorities.
22. All work shall strictly comply with adopted building codes. Any discrepancies should be clarified and approved by authority having jurisdiction.
23. Full compliance with Murray Contractors safety policies and all governing OSHA guidelines.
24. All cost associated with perimeter safety, fall protection, and personal protective equipment.

Trade Specific Scope of Work

1. Perform all grading, soil amendments and earthwork within all planting bed areas, turf areas, and planted zones as shown on the Landscape Grading Plans and Planting Plans
2. Strip and remove existing topsoil, vegetation, roots, and unsuitable materials within planting areas as required to achieve design grades and soil depths.
3. Shape and grade all planting beds, berms, swales, and finished contours to the elevations and slopes indicated on the Grading Plans.
4. Scarify and prepare subgrade in all planting and turf areas prior to placing soils or topsoil.
5. Provide and install planting soil mixes and amendments in all planting beds and tree pits per the Soils Plans (L-500 series), Section 32 9115 Soils, and planting details.
6. Place and fine-grade topsoil in turf areas to the depths and finished grades specified (minimum thicknesses per Section 32 9200 Turf and Grasses and soils plans).
7. Provide and install all trees, shrubs, perennials, groundcovers, bulbs, and annuals as shown on the Planting Plans (L-600 series) and Planting Schedules (L-610.0–L-610.6).
8. Furnish all plant material meeting the species, sizes, quantities, and quality standards indicated on the planting schedules and Section 32 9300 Plants.
9. Install trees with proper staking, guying, and root barriers (if required) per planting details.
10. Install shrubs, perennials, groundcovers, and seasonal plantings at the spacing and patterns shown on the planting plans and enlargements.
11. Provide and install all decorative boulders and landscape rocks at the locations, sizes, and arrangements indicated on the planting plans, materials plans, or site details.
12. Set boulders in stable positions with proper embedment and surrounding soil preparation per the drawings.
13. Provide and install all mulch materials in planting beds, tree rings, and indicated areas to the depths, types, and extents shown on the planting plans, soils plans, and planting details.
14. Furnish mulch meeting the material specifications (hardwood, bark, or as specified) and install uniformly to the required finished depth after planting.
15. Provide and install all edging materials to define planting beds, turf edges, pathways, and hardscape interfaces per the drawings and details.
16. Install edging true to line, at the correct height relative to finished grade and mulch, and securely anchored per manufacturer recommendations and details.

17. Provide and install a complete automatic irrigation system for all planting areas, turf, and planted zones as shown on the Irrigation Plans (L-660 series).
18. Design and furnish a 100% coverage irrigation system (delegated design) per Section 32 8400 Planting Irrigation, including engineering analysis by a qualified professional.
19. Provide and install all mainline piping, circuit piping, valves, controllers, sprinklers, drip irrigation components, and related specialties per Section 32 8400.
20. Install irrigation main piping with minimum cover of 36 inches below finished grade (or deeper as required for frost depth) and circuit piping.
21. Provide and install automatic control valves, pressure-reducing valves, drain valves, quick couplers, and valve boxes as required.
22. Provide and install controllers (interior and/or exterior) with full zoning, timing schedules, and wiring per the irrigation plans and specifications.
23. Install irrigation and specialty components in planting beds and areas indicated on the plans.
24. Sleeve irrigation piping under all paved areas, sidewalks, and hardscapes as required.
25. Backfill and compact irrigation trenches with approved material; install detectable warning tape above pressure piping.
26. Coordinate irrigation point of connection, backflow prevention, and water metering with the plumbing contractor and Section 22 requirements.
27. Perform all required testing, flushing, and adjustment of the irrigation system; provide as-built drawings, zoning charts, and controller schedules.
28. Provide a warranty period and maintenance materials for plantings and irrigation system per the specifications.
29. Protect existing trees and vegetation to remain during all grading, planting, irrigation, mulching, and edging operations per the Tree Protection Plans (L-110 series).
30. Coordinate sequencing with the earthwork contractor so that rough grading is complete prior to fine grading and soil placement in planting areas.
31. Install temporary erosion and sediment control measures within planting areas during construction as required by the SWPPP and erosion control plans.
32. Provide as-built documentation for grading, planting locations, mulch and edging extents, and the complete irrigation system.
33. All work shall comply with the Landscape drawings (Dirtworks/WER), Sections 32 8400 Planting Irrigation, 32 9115 Soils, 32 9200 Turf and Grasses, 32 9300 Plants, the Civil drawings (Crafton Tull), and the Geotechnical Report where applicable to soils subcontractor is responsible for all UL Assemblies, Fire Penetration Details, and Fire Framing Protection Plans that apply to this scope of work.

Base Bid Amount

	\$
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Bid Breakouts

	\$	
	\$	
	\$	

Alternates

Alternate #	Description	Amount
		\$

		\$
		\$

Addenda

Addenda #	Date

VOLUNTARY VALUE ANALYSIS

Value Analysis propositions will be strongly considered in the subcontractor selection process. Bidders are encouraged to explore and identify Value Analysis savings for this scope of work. Please describe below (and on separate page if necessary) any cost saving opportunities as well as potential savings:

Unit Prices:

The contract between Murray Contractors and the successful low bidder will be a fixed lump sum Subcontract Agreement. For revisions to the scope of the project and/or revisions to the contract documents, the lump sum contract amount would be adjusted by change order at the following unit prices. All unit prices shall include labor, materials and equipment. Where applicable to Scope of Work, provide the following unit prices. (Insert N/A if it does not apply)

Unit Price	Amount	Unit
	\$	
	\$	
	\$	