

April 13, 2022

SOLICITATION ADDENDUM NO. 3
ITB 21-0024

2022 Re-Pipe- Chehalem Elementary, McKinley Elementary & Elmonica Elementary

THE FOLLOWING CHANGES/ADDITIONS TO THE ABOVE CITED SOLICITATION ARE ANNOUNCED:

This Addendum modifies the Invitation to Bid (ITB) document(s) only to the extent indicated herein. All other areas not changed or otherwise modified by this Addendum shall remain in full force and effect. This Addendum is hereby made an integral part of the ITB document. Bidder must be responsive to any requirements of this Addendum as if the requirements were set forth in the ITB. Failure to do so may result in Bid rejection. See the ITB regarding requests for clarification or change and protests of this Addendum, and the deadlines for the foregoing.

This addendum is to be acknowledged in the space provided on the Bidder Certification form supplied in the solicitation document. Failure to acknowledge receipt of this addendum may be cause to reject your offer.

The closing date **REMAINS UNCHANGED:**
April 19, 2022 at 2:00 PM Pacific Time

CLARIFICATIONS/QUESTIONS

This addendum is issued to modify, clarify, or amend the original Project Drawings and Specifications and is hereby made part of the Contract Documents. The Contractor shall be responsible for incorporating items in this Addendum to the Work. The following shall take precedence over anything to the contrary in the Drawings or Specifications.

Revisions to Drawings and Specifications

CHEHALEM ELEMENTARY SCHOOL

Civil/Landscape Drawings:

1. Drawing C200 – UTILITY PLAN
 - a. **DELETE** Construction Note 8. Existing irrigation line has confirmed to be abandoned.
 - b. **DELETE** Construction Note 9. Existing irrigation line has confirmed to be abandoned.

Civil/Landscape Specifications:

1. Section 32 92 00 – TURFGRASS SOD:
ADD entire specification 32 92 00 TURFGRASS SOD

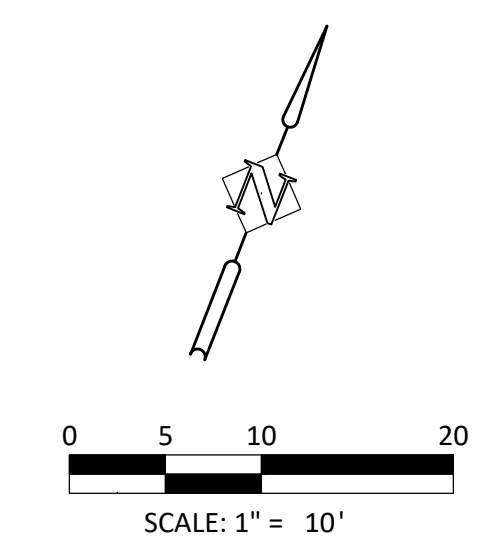
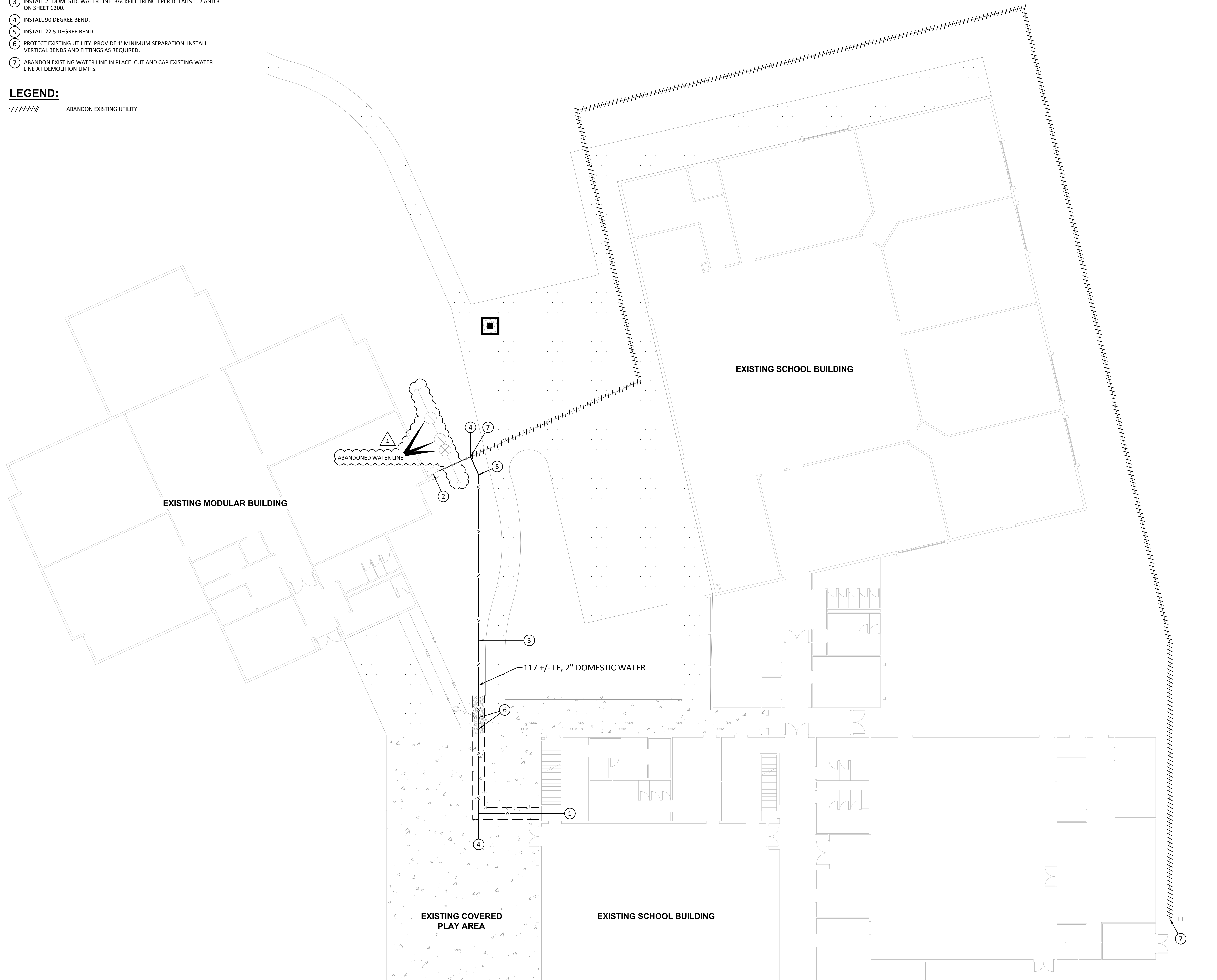
End of Addenda

CONSTRUCTION NOTES:

- 1 PROPOSED 2" DOMESTIC WATER CONNECTION LOCATION. SEE PLUMBING PLANS FOR CONNECTION DETAILS.
- 2 PROPOSED 2" DOMESTIC WATER CONNECTION LOCATION. CONNECT UPSTREAM OF EXISTING SHUT-OFF VALVE.
- 3 INSTALL 2" DOMESTIC WATER LINE. BACKFILL TRENCH PER DETAILS 1, 2 AND 3 ON SHEET C300.
- 4 INSTALL 90 DEGREE BEND.
- 5 INSTALL 22.5 DEGREE BEND.
- 6 PROTECT EXISTING UTILITY. PROVIDE 1' MINIMUM SEPARATION. INSTALL VERTICAL BENDS AND FITTINGS AS REQUIRED.
- 7 ABANDON EXISTING WATER LINE IN PLACE. CUT AND CAP EXISTING WATER LINE AT DEMOLITION LIMITS.

LEGEND:

----- ABANDON EXISTING UTILITY



Consultants:

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Stamp:



**BEAVERTON SCHOOL DISTRICT
2022 RE-PIPING PROJECTS - CHEHALEM
ELEMENTARY SCHOOL
15555 SW DAVIS RD, BEAVERTON, OR 97007**

Project No:	21194
Date:	03/04/2022
100% CONSTRUCTION DOCUMENTS	
Revision	Date
1 Addendum	04/14/2022

Drawing Name:
UTILITY PLAN

Drawing #:
C200

SECTION 32 92 00 - TURF GRASS SOD Addendum #2, 04/14/2022

PART 1 GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Work consists of providing all labor, material and equipment for installing and establishing seeded Field Grass, Lawn and other special seed mixes as indicated below.
 - 1. Plant and establish seed mixture(s) in areas shown on drawings.
- B. Related Section include the following:
 - 1. Section 015639; Temporary Plant Protection
 - 2. Section 328000; Irrigation
 - 3. Section 329113; Soil Preparation
 - 4. Section 329300; Plants
 - 5. Section 329445; Landscape Maintenance

1.3 DEFINITIONS

- A. Finish Grade: Elevation of finished surface of planting soil.
- B. Manufactured Soil: Soil produced off-site by homogeneously blending mineral soils or sand with stabilized organic soil amendments to produce topsoil or planting soil.
- C. Planting Soil: Native or imported topsoil, manufactured topsoil, or surface soil modified to become topsoil; mixed with soil amendments.
- D. Subgrade: Surface or elevation of subsoil remaining after completing excavation, or top surface of a fill or backfill immediately beneath planting soil.

1.4 SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Certification of each seed mixture for turfgrass sod, identifying source, including name and telephone number of supplier
- C. Product Certificates: For soil amendments and soil conditioners, signed by product manufacturer.

- D. Maintenance Data: Recommended procedures to be established by supplier for maintenance of turf during a calendar year. Submit before expiration of required maintenance periods.

1.5 QUALITY ASSURANCE

- A. Work performed as described in this section shall be done under the supervision of a contractor having experience in landscape construction and whose work has resulted in successful turf establishment.
- B. Work and material supplied shall comply with applicable requirements of the United States Department of Agriculture (USDA).
- C. Experience: Five years' experience in turf installation.
- D. Delivery, Storage, and Handling
 1. Turfgrass sod must be harvested and transported when its moisture content is at 20 to 30 percent, measured at depth of harvest.
 2. Turfgrass sod shall be harvested, delivered and installed/transplanted within a period of 24 hours, unless a suitable preservation method is approved prior to delivery, including, but not limited to refrigeration at 40 degrees Fahrenheit. Turfgrass sod not transplanted within this period, or preserved by approved methods, shall be inspected and approved by Owner's representative prior to its installation.

1.6 PROJECT CONDITIONS

- A. Weather Limitations: Proceed with planting only when existing and forecasted weather conditions permit planting to be performed when beneficial and optimum results may be obtained. Apply products during favorable weather conditions according to manufacturer's written instructions.

1.7 SUBSTANTIAL COMPLETION

- A. Substantial completion is achieved after the Contractor has installed turfgrass sod and associated materials, and provides Owner's Representative with a written request to inspect said work. Sodded areas will be considered substantially complete when in compliance with the following conditions as directed by the Owner's representative and documented by written acknowledgement of Owner's Representative.
 1. Plant Conditions: Healthy, free of pests and disease, and in vigorous condition.
 2. Turf: Healthy, free of pests and disease, and with 90 percent cover and no bare areas greater than six square inches
 3. Roots: Sod roots thoroughly knitted to the soil.

1.8 WARRANTY

- A. The warranty of plant materials furnished and planted under this contract shall be for one full year from the date of Substantial Completion and written acceptance as specified herein.

- B. At the end of the warranty period, all sodded areas not meeting requirements of these specifications shall be resodded with the same species and size as originally specified. Such replacement shall be made in the same manner as specified for the original plantings, and at no extra cost to the Owner. The warranty on resodded areas shall be extended for one full seasons cycle after resodding has been completed.

PART 2 PRODUCTS

2.1 TURFGRASS MIXTURES

- A. Turfgrass Sod Mixture:
1. Sod: Certified Number 1 Quality/Premium, including limitations on thatch, weeds, diseases, nematodes, and insects complying with TPI's "Specifications for Turfgrass Sod Materials" in its "Guideline Specifications to Turfgrass Sodding." Furnish viable sod of uniform density, color, and texture, strongly rooted, and capable of vigorous growth and development when planted.
 2. Sod shall be a blend of 100% turf-type perennial rye, showing a consistent fine leaf-texture with a rich green year-round coloration, exerting no signs of infestations, diseases or weeds. Seed for sod shall provide not less than [95] <Insert number> percent germination, not less than [85] <Insert number> percent pure seed, and not more than [0.5] <Insert number> percent weed seed or, previously approved equal.
 3. The Contractor shall furnish suppliers certificate guaranteeing that the sod conforms to the above requirements and USDA certification.
 4. All sod should be from the same field and of the same type throughout project. Sod shall be the same cut sizes throughout project. All sod should have a minimum of 3/4" soil base.
- B. Before harvesting, the turfgrass shall be mowed uniformly heights as follows: 1. 0.625 to 2 inches (16 to 51 mm) on cool season grasses (i.e., bluegrass, rye and fescue)

2.2 WATER

- A. Water shall be free from oil, acid, alkali, salt and other substances harmful to growth of grass, and shall be from a source approved prior to use.

2.3 FERTILIZERS

- A. Fertilizer: Granular, pelleted, or liquid/flowable fertilizer:
1. Composition: 20 percent nitrogen, 20 percent phosphorous, 10 percent potassium, and 3 percent iron, by weight. Sphagnum Peat Mulch: Partially decomposed sphagnum peat moss, finely divided or of granular texture, and with a pH range of 3.4 to 4.8.

PART 3 EXECUTION

3.1 GENERAL PREPARATION

- A. Verify that grading and soil preparation has been completed correctly.
 - 1. Notify Owner's Representative of any discrepancies; do not proceed with work until discrepancies have been resolved.
- B. Notify Owner's Representative at least 24 hours prior to sodding operations. Owner's Representative will inspect soil preparation and sod product.
- C. Examine areas to be planted for compliance with requirements and other conditions affecting installation and performance of the Work.
- D. Verify that no foreign or deleterious material or liquid such as paint, paint washout, concrete slurry, concrete layers or chunks, cement, plaster, oils, gasoline, diesel fuel, paint thinner, turpentine, tar, roofing compound, or acid has been deposited in soil within a planting area. 2.
- E. Suspend planting operations during periods of excessive soil moisture until the moisture content reaches acceptable levels to attain the required results. 3.
- F. Uniformly moisten excessively dry soil that is not workable or which is dusty
- G. If contamination by foreign or deleterious material or liquid is present in soil within a planting area, remove the soil and contamination as directed by Landscape Architect and replace with new planting soil.

3.2 PREPARATION

- A. Limit lawn subgrade preparation to areas to be planted. Prepare Lawn areas as directed in Division 2, Soil Preparation.
- B. Protect structures; utilities; sidewalks; pavements; and other facilities, trees, shrubs, and plantings from damage caused by planting operations
- C. Install erosion-control measures to prevent erosion or displacement of soils and discharge of soil-bearing water runoff or airborne dust to adjacent properties and walkways.
- D. Reduce elevation of planting soil to allow for soil thickness of sod.
- E. Moisten prepared area before planting if soil is dry. Water thoroughly and allow surface to dry before planting. Do not create muddy soil.
- F. Before planting, obtain Landscape Architect's acceptance of finish grading; restore planting areas if eroded or otherwise disturbed after finish grading.

3.3 SODDING

- A. Lay sod within 24 hours of harvesting. Do not lay sod if dormant or if ground is frozen or muddy.

- B. Lay sod to form a solid mass with tightly fitted joints. Butt ends and sides of sod; do not stretch or overlap. Stagger sod strips or pads to offset joints in adjacent courses. Avoid damage to subgrade or sod during installation. Tamp and roll lightly to ensure contact with subgrade, eliminate air pockets, and form a smooth surface. Work sifted soil or fine sand into minor cracks between pieces of sod; remove excess to avoid smothering sod and adjacent grass.
 - 1. Lay sod across angle of slopes exceeding 1:3.
 - 2. Anchor sod on slopes exceeding 1:6 with wood pegs spaced as recommended by sod manufacturer but not less than 2 anchors per sod strip to prevent slippage.
- C. Saturate sod with fine water spray within two hours of planting. During first week, water daily or more frequently as necessary to maintain moist soil to a minimum depth of 1-1/2 inches below sod.

3.4 TURF MAINTENANCE

- A. General: Maintain and establish turf by watering, fertilizing, weeding, mowing, trimming, replanting, and performing other operations as required to establish healthy, viable turf. Roll, regrade, and replant bare or eroded areas and mulch to produce a uniformly smooth turf. Provide materials and installation the same as those used in the original installation.
- B. Fill in as necessary soil subsidence that may occur because of settling or other processes. Replace materials and turf damaged or lost in areas of subsidence.
- C. Use integrated pest management practices as required to keep turf and soil free of pests and pathogens or disease.
- D. Watering:
 - 1. Schedule watering to prevent wilting, puddling, erosion, and displacement of seed or mulch. Lay out temporary watering system to avoid walking over muddy or newly planted areas.
 - 2. Water turf with fine spray at a recommended ET rate
- E. Mow turf as soon as top growth is tall enough to cut. Repeat mowing to maintain specified height without cutting more than one-third of grass height. Remove no more than one-third of grass-leaf growth in initial or subsequent mowings. Do not delay mowing until grass blades bend over and become matted. Do not mow when grass is wet. Schedule initial and subsequent mowings to maintain the following grass height: Mow perennial ryegrass and fescue to a height of 0.625 - 2.0 inches (16-50 mm)
- F. Turf Postfertilization: Apply slow-release fertilizer after initial mowing and when grass is dry. 1. Use fertilizer that provides actual nitrogen of at least 1 lb/1000 sq. ft. (0.45 kg/92.9 sq. m) to turf area

3.5 SATISFACTORY TURF

- A. Satisfactory Sodded Turf: At the time of substantial completion, a healthy, well-rooted, even-colored, viable turf has been established, free of weeds, open joints, bare areas, and surface irregularities.
- B. Reestablish turf that does not comply with requirements and continue maintenance until lawns are satisfactory.

3.6 CLEANUP, PROTECTION AND ACCEPTANCE

- A. Promptly remove soil and debris created by turf work from paved areas. Clean wheels of vehicles before leaving site to avoid tracking soil onto roads, walks, or other paved areas.
- B. Remove surplus soil and waste material, including excess subsoil, unsuitable soil, trash, and debris, and legally dispose of them off-site.
- C. Erect temporary fencing or barricades and warning signs as required to protect newly planted areas from traffic. Maintain fencing and barricades throughout initial maintenance period and remove after plantings are established.
- D. Remove nondegradable erosion-control measures after grass establishment period.
- E. Obtain written Conditional Acceptance from the Owner's Representative after all turf areas have been mowed at least twice.

END OF SECTION