# **IRRIGATION SYSTEM SPECIFICATIONS**

## SECTION 07010 IRRIGATION SYSTEM SPECIFICATIONS – GENERAL

- 1.0 GENERAL
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  - 1.3 SUBMITTALS
  - 1.4 MEASUREMENT & PAYMENT
  - 1.5 WORKING CONDITIONS
  - 1.6 UTILITIES & PROTECTION
  - 1.7 TIME OF INSTALLATION
  - 1.8 WORKMANSHIP
  - 1.9 QUALITY ASSURANCE
  - 1.10 WARRANTY
  - 1.11 RECORD DRAWINGS
  - 1.12 OPERATING/MAINTENANCE MANUALS
  - 1.13 QUANTITIES
  - 1.14 REPAIR & INSTRUCTION OBLIGATIONS
  - 1.15 WINTERIZING THE SYSTEM
  - 1.16 STAKING & LAYOUT
  - 1.17 SITE SAFETY
  - 1.18 CONSTRUCTION MEETINGS
  - 1.19 MAINTENANCE AND CLEANUP OF WORKSITE

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- 1.0 MATERIALS SPECIFICATIONS
  - 1.1 DESIGN IRRIGATION SYSTEMS SPECIFICATIONS
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  - 1.4 FITTINGS
  - 1.5 SWING JOINTS
  - 1.6 SPRINKLER HEADS
  - 1.7 QUICK COUPLING VALVES
  - 1.8 ISOLATION VALVES
  - 1.9 DRAIN VALVES
  - 1.10 REACH WELLS & VALVE BOXES
  - 1.11 ELECTRIC CONTROL VALVES
  - 1.12 VALVE BOX FILTER FABRIC
  - 1.13 AUTOMATIC CONTROLLERS
  - 1.14 CONTROLLER ENCLOSURES
  - 1.15 WIRE & SPLICE KITS
  - 1.16 WATER SERVICE
  - 1.17 ELECTRICAL SERVICE
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## SECTION 07012 IRRIGATION SYSTEM SPECIFICATIONS – INSTALLATION

- 1.0 GENERAL
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  - 1.2 SCOPE OF WORK
  - 1.3 EXCAVATION AND PIPE INSTALLATION
  - 1.4 BACKFILLING
  - 1.5 THRUSTING
  - 1.6 CLEANING OF LINES
  - 1.7 SWING JOINTS
  - 1.8 SPRINKLER & SPRAY HEADS
  - 1.9 QUICK COUPLING VALVES
  - 1.10 ISOLATION VALVES
  - 1.11 DRAIN VALVES
  - 1.12 REACH WELLS & VALVE BOXES
  - 1.13 ELECTRIC CONTROL VALVES
  - 1.14 CONTROLLERS
  - 1.15 WIRE
  - 1.16 WIRE SPLICING
  - 1.17 WATER SERVICE COMPLETION
  - 1.18 ELECTRICAL SERVICE
  - 1.19 BOOSTER PUMP STATION
  - 1.20 SLEEVES FOR CROSSINGS
  - 1.21 CANAL CROSSINGS
  - 1.22 INSPECTIONS & TESTING
  - 1.23 CCC & FAC

## LANDSCAPE SPECIFICATIONS

## SECTION 07020 PLANTING OF TREES, SHRUBS AND AQUATICS

- 1.0 GENERAL
  - 1.1 REFERENCE STANDARDS
  - 1.2 RELATED SECTIONS
  - 1.3 SUBMITTALS
  - 1.4 SUBSTITUTIONS
  - 1.5 QUALITY ASSURANCE
  - 1.6 INSPECTIONS
  - 1.7 WARRANTY
- 2.0 PRODUCTS
  - 2.1 PLANT MATERIAL
  - 2.2 WATER
  - 2.3 STAKES
  - 2.4 WIRE TIGHTENER
  - 2.5 GUYING WIRE
  - 2.6 CLAMPS
  - 2.7 ANCHORS

- 2.8 GUYING COLLAR
- 2.9 TRUNK PROTECTION
- 2.10 MULCH
- 2.11 FERTILIZER
- 2.12 ANTI-DESICCANT
- 2.13 FLAGGING TAPE
- 2.14 MYCORRHIZAE

# 3.0 EXECUTION

- 3.1 PRE-PLANTING OPERATIONS
- 3.2 DELIVERY, STORAGE & PROTECTION
- 3.3 EXCAVATION & PREPARATION OF PLANTING BEDS
- 3.4 TREE & SHRUB PLANTING
- 3.5 AQUATIC PLANTING
- 3.6 MAINTENANCE DURING ESTABLISHMENT PERIOD
- 3.7 ACCEPTANCE
- 3.8 MAINTENANCE DURING WARRANY PERIOD
- 4.0 MEASUREMENT AND PAYMENT

## SECTION 07030 HYDROMULCHING

- 1.0 GENERAL
  - 1.1 REFERENCE STANDARDS
  - 1.2 RELATED SECTIONS
  - 1.3 PRODUCT HANDLING: DELIVERY STORAGE
  - 1.4 SITE PREPARATION
  - 1.5 VISUAL BENCHMARK
  - 1.6 EQUIPMENT
  - 1.7 QUALITY ASSURANCE
  - 1.8 SUBSTITUTIONS
- 2.0 PRODUCTS
  - 2.1 GRASS SEED
  - 2.2 FERTILIZER
  - 2.3 WATER
  - 2.4 ASPHALT EMULSION BINDER
  - 2.5 MULCHING MATERIAL
- 3.0 EXECUTION
  - 3.1 TIME OF SEEDING
  - 3.2 SOIL BED PREPARATION
  - 3.3 SEEDING
  - 3.4 PROTECTION & MAINTENANCE
- 4.0 MEASUREMENT AND PAYMENT

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- 1.0 GENERAL
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  - 1.2 MATERIAL SUPPLIED BY CONTRACTOR/DEVELOPER
  - 1.3 REALATED WORK
  - 1.4 QUALITY ASSURANCE
  - 1.5 TEMPORARY EROSION CONTROL
  - 1.6 SUBMITTALS
- 2.0 PRODUCTS
  - 2.1 TOPSOIL
  - 2.2 SOIL AMENDMENTS
- 3.0 EXECUTION
  - 3.1 GENERAL
  - 3.2 STRIPPING OF TOPSOIL
  - 3.3 PREPARATION OF SUBGRADE
  - 3.4 PLACING AND SPREADING OF TOPSOIL/PLANTING SOIL
  - 3.5 SOIL AMENDMENTS
  - 3.6 FINISH GRADING
  - 3.7 PROTECTION OF GRADED AREAS
  - 3.8 CLEAN UP
- 4.0 MEASUREMENT AND PAYMENT

## SECTION 07050 SEEDING

- 1.0 GENERAL
  - 1.1 REFERENCE STANDARDS
  - 1.2 RELATED SECTIONS
  - 1.3 WORK INCLUDED
  - 1.4 PRODUCT HANDLING: DELIVERY & STORAGE
  - 1.5 SUBMITTALS
  - 1.6 SUBSTITUTIONS
  - 1.7 QUALITY ASSURANCE
- 2.0 PRODUCTS
  - 2.1 GENERAL
  - 2.2 GRASS SEED MIXTURES
- 3.0 EXECUTION
  - 3.1 SITE PREPARATION
  - 3.2 INSTALLATION
  - 3.3 MAINTENANCE OF SEEDED AREAS
- 4.0 MEASUREMENT AND PAYMENT

## SECTION 07060 SODDING

- 1.0 GENERAL
  - 1.1 REFERENCE STANDARDS
  - 1.2 WORK INCLUDED
  - 1.3 SUBMITTALS
  - 1.4 SUBSTITUTIONS
  - 1.5 QUALITY ASSURANCE
- 2.0 PRODUCTS
  - 2.1 SOD
- 3.0 EXECUTION
  - 3.1 SITE PREPARATION
  - 3.2 FERTILIZING
  - 3.3 INSTALLATION
  - 3.4 LAYING SOD ON SLOPES
  - 3.5 CLEAN UP AND PROTECTION
  - 3.6 MAINTENANCE OF SODDED AREAS
- 4.0 MEASUREMENT AND PAYMENT