

STANDARD SPECIFICATIONS
SECTION 01500
TEMPORARY FACILITIES AND CONTROLS

PART 1 GENERAL

1.1 DESCRIPTION

- A. Section includes general requirements relating to responsibilities for temporary construction facilities, controls, and environmental protection, except temporary erosion and sediment control included in Section 01570.

1.2 CONSTRUCTION FACILITIES

- A. General: Temporary facilities and protective devices include, but are not limited to, temporary barricades, fences, bridges, guards, temporary utilities, steel plates over trenches, maintenance of traffic, project identification signs, and construction of haul roads.
 - 1. Use materials in construction of above-mentioned items of work of size, shape, and strength suitable for use intended.
 - 2. Conduct construction operations to cause least inconvenience possible to general public, the Commission, and its employees.
 - 3. Where required, erect and maintain signs, fences, barricades, and pedestrian bridges, and supply guards and flagmen for protection of public.
 - 4. Take positive measures to prevent entry of children, animals, and unauthorized adults to work site and storage areas at all times.
 - 5. Obtain Engineer's approval before transporting or locating temporary facilities within construction site.
- B. Furnish and construct temporary fencing required to fence off excavation, storage, and operating areas.
 - 1. Erect suitably constructed temporary fences, neat in appearance, and meeting Engineer's approval.
 - 2. Unless otherwise indicated, erect fences 6 feet high.
- C. Barricade or close all openings in roadways, floors, walls, or other parts of structures or walkways while openings are not in regular use.
 - 1. Use barricades substantial in character, neat in appearance, and of size and arrangement with Engineer's approval.
- D. In areas where removal of existing sidewalk is necessary, construct pedestrian bridges of suitable materials, with handrails or sides tightly boarded, following local or State requirements.

1. Construct bridges with minimum width of 6 feet, or greater width to accommodate normal traffic flow at the particular location.

1.3 TEMPORARY UTILITIES

A. Water.

1. Unless otherwise specified, the Commission will furnish water required during construction period at no cost to Contractor.
2. Make arrangements for, piping, backflow devices, appurtenances, and hookup required.
3. Assure availability of drinking water for work force.
4. Install temporary pumps, tanks, and compressors to produce required pressures.

B. Electricity.

1. Make necessary arrangements and pay for all temporary electric service and lighting required during construction period.
2. Pay costs for permanent power authorized by Engineer and used during construction period through date of Contract substantial completion
3. Ensure electric service of sufficient capacity and characteristics to supply proper current for various types of construction tools, motors, welding machines, light, heating plant, pumps, testing, and other work required.
4. Install necessary temporary wiring, panelboards, outlets, switches, lamps, fuses, controls and accessories.

C. Toilets.

1. Locate toilets where directed.
2. Maintain adequate number of temporary prefabricated chemical type toilets, unless otherwise indicated, with proper enclosures for use of workers during construction.
3. Keep clean and comply with local and State health requirements and sanitary regulations.
4. Keep locked during non-working hours.

D. Temporary Heating.

1. Provide temporary heating, including costs of equipment and installation, fuel and attendance, whenever and for such periods as heating may be required.
 - a. General weather conditions to prevent freezing.
 - b. Maintain suitable working conditions.
 - c. Ensure progress of operation within established scheduled time.
 - d. Curing of concrete.

1.4 PROJECT SIGNS

- A. Water Main Replacements, Relocations, and Cleaning and Lining Contracts: Provide metal signs approximately 24 inch by 36 inch in size with a 4 inch WSSC water drop symbol and approximate lettering of 2 inch in height centered on the 36 inch width, 1/4



WASHINGTON SUBURBAN
SANITARY COMMISSION
(PROJECT NUMBER)
WATER MAIN IMPROVEMENTS BY
(CONTRACTOR'S NAME)

(CONTRACT MANAGER'S NAME)
(OFFICE NUMBER)
(CELL NUMBER)

24 HOUR EMERGENCY NUMBER
301 206-4002

1. Install sign as directed by Contract Manager:
 - a. Four inch by 4 inch by 8 foot post set approximately 3 feet in ground with 3/4 inch exterior plywood of same size as metal sign, firmly attached to top of post.
 - b. Approximately 12 stainless steel wood screws, minimum #10 - 5/8 inch long with washers, to attach sign and name plates to plywood.
2. Install signs within 7 days of start of construction in grass areas within road right of way.
3. Provide water resistant white brochure box labeled with "WSSC PROJECT INFO" in 3 inch blue lettering that holds at least 150 sheets of 8 ½ inch by 11 inch flyers attached to the bottom of the sign.

1.5 TRAFFIC CONTROL PLAN

- A. If not included in Contract Documents, submit traffic control plan following 01330 to the Engineer for review and approval.
 1. Maintain normal thru traffic flow following jurisdictional requirements, Manual on Uniform Traffic Control Devices, specific permit requirements and as specified in Special Conditions.
 2. Take safety measures following Maryland Department of Transportation, State Highway Administration General Provisions GP-7.05 and GP-7.06 and applicable jurisdictional requirements.
- B. Follow Appropriate Jurisdictional Permits; Absent Jurisdictional Requirements, Roads: Considered secondary unless otherwise indicated on Drawings, and following criteria shall govern.

1. General: Assign flaggers certified in the State of Maryland whose only duty is to direct traffic when roadway lanes are blocked by construction equipment or operations.
 - a. Flaggers:
 - 1) Dressed in attire following current MUTCD (Manual on Uniform Traffic Control Devices-OSHA).
 - 2) Required to have photo I.D. and Flagger certification card on them at all times. Provide to Engineer upon request.
 - b. Equipment.
 - 1) STOP/SLOW paddle.
 - (a) 24" x 24", with minimum 8" high letters.
 - (b) Reflective sheeting following Maryland SHA's Specification 950.03.
 - (c) Non-reflective paddles are not allowed.
 - 2) Two-way radios or pilot vehicles: Used when flaggers are not within sight distance of each other, or when directed by Engineer.
 2. Primary Roads Where Shown on Drawings.
 - a. Do not store excavated material and other materials on roadways.
 - b. Close excavations at end of each workday by backfilling or by means of steel plates marked in advance with warning signs, or other accepted materials.
 - c. Leave work area clean and without obstacles during off-work hours.
 3. Secondary Roads.
 - a. Maintain two-way traffic during working hours.
 - b. Clean up area of work site at end of each workday to allow maximum use of roadway during off-work hours.
- C. Temporary Facilities: Required for pedestrian and vehicular access to properties adjacent to or contiguous with Project.
1. If necessary to temporarily interrupt access, after securing Engineer's approval, notify all affected parties of time, extent, and duration of interruption.

1.6 ENVIRONMENTAL PROTECTION

- A. Furnish necessary items for fulfilling work described herein for environmental protection that results directly or indirectly from Work. For erosion and sediment control see Section 01570.
 1. Take precautions in conduct of operations necessary to avoid contaminating water in adjacent watercourses or water storage areas, including wells, whether natural or man-made.
 2. Conduct earthwork, moving of equipment, water control of excavations, and other operations likely to create silting to eliminate pollution of watercourses or water storage areas.
 - a. Dispose of water contaminated with oil, bitumens, harmful or objectionable chemicals, sewage, or other pollutants offsite: Federal Clean Water Act and Resource Conservation and Recovery Act.

- b. Discharge of pollutants into any watercourse or water storage area prohibited: State of Maryland National Pollutant Discharge Elimination System.
 - c. When water from adjacent natural sources is needed, use intake methods, which avoid contaminating source of supply or becoming source of erosion or sedimentation.
 3. Noise and Air Pollution Control: As to not violate following applicable ordinances, regulations, rules and laws pertaining to noise and air pollution in effect.
 - a. Rules and Regulations Governing the Control of Air Quality in the State of Maryland, COMAR 26.11., Maryland Department of the Environment.
 - b. Chapter 3, Montgomery County Code, 1972, Bill No. 42-73, Air Quality Control.
 - c. Subtitle 19, Prince George's County Code, 1999 Edition, Pollution.
 - d. Rules and Regulations Governing the Control of Noise Pollution in the State of Maryland COMAR 26.02.03, Maryland Department of the Environment.
 - e. Chapter 31B, Montgomery County Code, 1972, Bill No. 64-73, Noise Control.
 4. Plant Pest Control: By soil moving or handling equipment that has operated in or will operate in regulated areas following plant quarantine regulations.
 - a. In general, these regulations require thorough cleaning of soil from equipment before it is moved from regulated areas to uninfested areas.
 - b. Obtain complete information from regional office of Plant Pest Control Division of United States Department of Agriculture.
 5. Preservation of Natural Resources: In construction operations for Work, clean-up, and condition of adjacent terrain upon completion of Work, fully comply with all applicable regulations and laws concerning preservation of natural resources.
 6. Dust Control: Throughout construction period, maintain dust control using water sprinklers or chemical dust control binder with Engineer's approval.

PART 2 PRODUCTS
NOT USED

PART 3 EXECUTION
NOT USED

PART 4 MEASUREMENT AND PAYMENT

- 4.1 Providing for and complying with requirements in this Section will not be measured for payment, but cost will be considered incidental to Contract.

****WSSC****