

STANDARD SPECIFICATIONS
SECTION 01110
SUMMARY OF WORK

PART 1 GENERAL

1.1 DESCRIPTION

- A. Section includes general requirements for Work.

1.2 COMMISSION WORK SCHEDULE

- A. The Commission observes 5 day work week, Monday through Friday, 8 hours a day.

B. Holidays:

1. New Year's Day
2. Martin Luther King's Birthday
3. Presidents' Day
4. Memorial Day
5. Independence Day
6. Labor Day
7. Columbus Day
8. Veterans Day
9. Thanksgiving Day and the following Friday
10. Christmas Day
11. State and National Election Days
12. Inauguration Day.

C. Permission to Work.

1. Notify Contract Manager at least 8 hours before start of site activity.
2. Except as noted below, do no work requiring services of the Commission's inspection and supervisory forces for more than 8 hours a day nor on Commission holidays or weekends, unless authorized by Contract Manager.
 - a. After 24 hours written notification to Contract Manager, tunneling work may be performed up to 24 hours per day continuous operation, subject to jurisdictional restrictions and Special Commitments contained in Contract Documents.
 - b. Request permission of Contract Manager to work on Saturdays, Sundays, Holidays or longer than 8 hours per day in order to comply with construction schedule, or because of emergency.
 - 1) Costs incurred by the Commission for overtime hours may be charged to the Contractor at the WSSC current published rate.
3. Do not work in roadways during peak vehicular traffic hours following jurisdictional restrictions and requirements contained elsewhere in Contract Documents.

1.3 SPECIFICATION STYLE

- A. These specifications are written in imperative mood and streamlined form.
- B. This imperative language is directed to the Contractor, unless specifically noted otherwise.
- C. The words "shall be" are included by inference where a colon (:) is used within sentences or phrases.

1.4 REFERENCE DOCUMENTS

- A. Applicable Codes, Specifications, and Standards: References to codes, specifications, and standards in Contract Documents are to the latest edition, amendment, and/or revision of reference standard in effect.
- B. Documents on Site: Maintain on site copies of appropriate documents, including codes, specifications, permits, and reference standards named in Contract Documents.

1.5 ABBREVIATIONS AND SYMBOLS

- A. Abbreviations used for technical society, institution, association, or governmental authority references in Specifications:

Abbreviations and Symbols	
AA	Aluminum Association
AAMA	Architectural Aluminum Manufacturer's Association
AAN	American Association of Nurserymen
AAR	Association of American Railroads
AASHTO	American Association of State Highway and Transportation Officials
ACI	American Concrete Institute
ACPA	American Concrete Pipe Association
ADA	Americans with Disabilities Act
AGA	American Gas Association
AGMA	American Gear Manufacturer's Association
AI	Asphalt Institute
AIA	American Institute of Architects
AISC	American Institute of Steel Construction
AISI	American Iron and Steel Institute
ALS	American Lumber Standards
ANSI	American National Standards Institute
APA	American Plywood Association
AREMA	American Railway Engineering and Maintenance-of-Way Association
ASA	American Standards Association, Inc.
ASCE	American Society of Civil Engineering
ASME	American Society of Mechanical Engineering

Abbreviations and Symbols	
ASTM	American Society for Testing and Materials
AWG	American Wire Gauge
AWPA	American Wood Preservers Association
AWPI	American Wood Preservers Institute
AWS	American Welding Society
AWWA	American Water Works Association
BOCA	Buildings Officials Code Administration International, Inc.
CRSI	Concrete Reinforcing Steel Institute
DEP	Department of Environmental Protection (Montgomery County)
DNR	Department of Natural Resources
DIPRA	Ductile Iron Pipe Research Association
EPA	Environmental Protection Agency (Federal)
FS	Federal Specifications or Federal Standards
ICEA	Insulated Cable Engineers Association
IEEE	Institute for Electrical & Electronic Engineers
IES	Illuminating Engineering Society of North America
ISA	Instrument Society of America
MBMA	Metal Building Manufacturers Association Standards
MCDPWT	Montgomery County Department of Public Works and Transportation
MDE	Maryland Department of the Environment
MDOT	Maryland Department of Transportation
MIL	Military Specifications
MNCP&PC	Maryland National Capital Park and Planning Commission
MOSH	Maryland Occupational Safety and Health
MPS	Maryland Park Service
MSCS	Maryland Soil Conservation Service
MSHA	Maryland Department of Transportation State Highway Administration
NACE	NACE International (Formerly, National Association of Corrosion Engineers)
NAPCA	National Association of Pipe Coating Applicators
NBFU	National Board of Fire Underwriters
NEC	National Electrical Code
NEMA	National Electrical Manufacturer's Association
NESC	National Electric Safety Code
NETA	National Electric Testing Association, Inc.
NFC	National Fire Code
NFPA	National Fire Protection Association
NIST	National Institute of Standards and Technology
NPS	National Park Service
NSF	NSF International (Formerly, National Sanitation Foundation)
OSHA	Occupational Safety and Health Administration
PCA	Portland Cement Association

Abbreviations and Symbols	
SCS	Soil Conservation Service
SDR	Standard Dimensional Ratio
SSPC	Steel Structure Painting Council
UBC	Uniform Building Code, International Conference of Building Officials
ULI	Underwriter's Laboratories Incorporated
USSG	United State Standard Gauge
USSWG	United States Steel Wire Gauge
WSSC	Washington Suburban Sanitary Commission

1.6 APPLICANT RESPONSIBILITIES

A. Land Acquisition, Rights-of-Way, and Permits:

1. The Applicant will:
 - a. Secure land and right-of-way necessary for carrying out and completing Project Work.
 - b. Obtain permits for construction listed on Drawings, except for the Erosion and Sediment Control Permit for Utility Construction, which is issued directly to the Contractor as stated elsewhere in the Contract Documents.
 - c. A copy of each permit will be available at the construction site.
2. Specific requirements contained in these permits and right of way agreement and those not covered elsewhere in the Specifications or on the Drawings, but are the responsibility of the Applicant will be included in the Special Conditions.

1.7 CONTRACTOR RESPONSIBILITIES

A. Use of Premises and Offsite Work:

1. Private Property.
 - a. Do not enter upon private property for any purpose without obtaining written permission from property owner.
 - b. File letters of permission from property owners with Contract Manager before entering private property.
2. Public Utility Easement (PUE): Not entered upon unless a concurrent WSSC water and sewer easement and Work are shown on Drawings.

B. Existing Structures: Not loaded with weights that will endanger structure, nor endanger any part of Work to stresses or pressures.

C. Public Convenience.

1. Conduct work to ensure least possible obstruction to traffic and inconvenience to the Commission, general public, and residents in vicinity of Work, and to ensure the protection of persons and property.
2. Keep fire hydrants on or adjacent to Work accessible to fire fighting equipment.

3. Make temporary provisions to ensure use of sidewalks and proper functioning of gutters, stormwater systems, drainage ditches, and culverts, and keep them free of obstructions.
4. See Traffic Control Plan, Section 01500.

D. Explosives:

1. Perform blasting using specialized blasters and store explosives following OSHA, Title 29, CFR 1926.901 "Blaster Qualifications."
 - a. Do not store explosives on site during non-working hours.
 - b. During work hours, store explosives following specifications herein and jurisdictional requirements.
2. No blasting permitted within MSHA rights-of-way without prior approval of type and method by MSHA with appropriate County or Local Jurisdiction permits submitted to Contract Manager.
 - a. MSHA reserves right to require insurance policy and Letter of Indemnity.

E. Verification of Dimensions Shown On Existing Work and Dimensions Required for Work to Connect to Existing Work: By actual measurement of existing work.

1. Refer discrepancies between Contract Documents and existing conditions to Contract Manager before work affected thereby has commenced.

1.8 CONSTRUCTION STAKEOUT BY CONTRACTOR

- A. The Applicant has established baselines, bench marks or other necessary control points.
 1. Provide stakeout from the Applicant-furnished control points (traverse, property lines and corners, and bench marks) and employ qualified and experienced personnel to provide stakeout.
- B. Preserve and maintain in proper position survey points, bench marks, and baselines.
- C. Notify Contract Manager of any construction stakeout deviations from Drawings.
 1. Discrepancies will be resolved under Contract Manager's direction before proceeding with Work.
- D. For pipeline construction:
 1. Stakeout test pits and furnish Contract Manager with actual utility locations and elevations, or as otherwise directed by Contract Manager.
 2. Stakeout centerlines and offset lines with spacing of stations maximum of 50 feet (stakes, nails, crosses).
 3. Stakeout intermediate points (P.C., P.T., structures, fittings, end of lines, and topographic changes) and as deemed necessary by Contract Manager.
 4. Submit grade sheets showing for each station the marked point elevation, invert elevation required and corresponding cut for both centerline and appropriate offset.
 - a. Each set of notes shall check within plus or minus 0.04 feet.
 - b. Use Contractor's Construction Stake Out Record form furnished, provided at end of this section or equivalent.

5. Flag stakes for protection of all stakes installed to aid in their preservation and maintenance.
 6. Perform other Engineering and stakeout necessary for setting of batterboards, forms, string lines, and finished grade control, slope stakes and other controls which may be required for proper construction of Work.
- E. For other types of construction:
1. Stakeout following requirements herein and Contract Manager's direction.
 2. Wetlands and Wetland Buffers:
 - a. Cross-sections of work limits every 50 feet before and after construction and before final stabilization to certify restoration to their original grades and elevations.
- F. Construction shall not begin in any given area until Contract Manager has received 2 copies of notes.
- G. Work is not permitted without line and grade.
- H. The Owner will be responsible for preparing and furnishing to the Commission the gravity sewer record drawings (as-built), as specified in Section 01330.

1.9 PROJECT PROGRESS MEETINGS

- A. Project progress meetings will be held periodically to allow Contract Manager to review Project status.
1. Contractor's superintendent shall attend meeting and accompany Contract Manager on inspection of Project site.

1.10 ARCHAEOLOGICAL ARTIFACTS AND HUMAN REMAINS

- A. Articles of historical or scientific value, including coins, fossils, and articles of antiquity, which may be uncovered or otherwise brought to attention of Contractor during course of Project shall remain property of Owner of property on which articles reside.
1. Report findings immediately to Contract Manager who will determine method of removal, where necessary.

1.11 ASBESTOS-BEARING ROCK

- A. Use of asbestos-bearing rock as an unbound surfacing material on roads, sidewalks, parking lots, road shoulders, trails, and other areas subject to traffic, vehicular or pedestrian, is prohibited.
- B. Health and Safety of Workers, Commission Employees, and the Environment: Follow applicable Federal, State, and local laws and regulations including, but not limited to 29 C.F.R. 1910.1001, 29 C.F.R. 1926.1101, 40 C.F.R. 61 subpart m, 40 C.F.R. 302, 49 C.F.R. 171, 49 C.F.R. 172, and COMAR 26.11.21 Et Seq.

- C. Secure services to ensure compliance with all applicable Federal, State and local laws and regulations.
 - 1. Environmental Consultants and Contractors, Inc.
 - 2. Apex Environmental, Inc.
 - 3. Or equal.

- D. Practice effective dust control at all times.
 - 1. Use water suppression techniques to control dust as it is generated during construction.
 - 2. Keep excavated rock wet during operations that may generate dust, including, but not limited to blasting, excavations, loading, and hauling of rock.

PART 2 PRODUCTS
NOT USED

PART 3 EXECUTION
NOT USED

WSSC