

## SECTION 01500 -TEMPORARY FACILITIES AND CONTROLS

## PART 1 - GENERAL

## 1.1 SUMMARY

- A. Section Includes:
1. Temporary Utilities: Electricity, lighting, heat, ventilation, telephone service, water, and sanitary facilities.
  2. Temporary Controls: Barriers, enclosures and fencing, signage protection of the Work, and water control.
  3. Construction Facilities: All-weather access roads, parking, progress cleaning, temporary buildings, and staging areas.

## 1.2 ENVIRONMENTAL REQUIREMENTS

- A. Protect properties and water resources from contaminant damage until construction activities are complete.
- B. Do not use methods that would cause flooding, ponding, or other damage to Owner's property or property of others.

## 1.3 STORMWATER RUNOFF CONTROL

- A. Control pollutants originating on site from demolition and construction activities.
- B. Ensure adequacy of Best Management Practice measures for controlling site pollutant discharge.
- C. Best Management Practices (BMPs): Refer to Appendix A at the end of the section for details of structural controls that may be used as BMP measures for controlling site pollutant discharge related to construction activities for this project. Site conditions or Contractor practices could make it necessary to install more structural controls than specified. Continually assess the need for additional controls and implement or adjust existing controls until the construction activities for this project are complete.
1. Review site conditions and identify discharge points and all potential areas of impact.
  2. Designate area(s) for equipment cleaning, maintenance, and repair. Coordinate location with Walmart Construction Manager. The Contractor and subcontractors shall utilize such designated areas. Cleaning, maintenance, and repair areas shall be protected by temporary perimeter berms, shall not occur within 150 feet of any waterway, water body or wetland, and shall be located as far as practical from storm sewer inlets.
  3. Chemicals, paints, solvents, fertilizers, and other toxic materials must be stored in waterproof containers. Except during application, the containers must be kept in trucks or within storage facilities as specified herein. Runoff containing such material must be collected, removed from the site, treated, and disposed of at an approved solid waste and chemical disposal facility.
  4. Use of detergents for exterior washing is prohibited.
  5. Use products, site pollutant discharge control devices or materials for BMPs as specified and as applicable to related construction activities.
- D. All BMPs must be installed and functioning, and shall be free of accumulated sediment and debris before construction begins. Maintain in place and functional throughout the duration of construction activities. No measure shall be implemented which causes flooding or ponding or in any other way causes damage to Owner's property or property belonging to others.
- E. Review the site conditions as needed to identify potential areas of impact and discharge points.
- F. Place BMPs as may be dictated by site conditions in order to maintain the intent of the specifications and pertinent Federal, State and local regulations and permits.

- G. Water used for construction which discharges from the site must originate from a public water supply or private well approved by the State Health Department. Water used for construction that does not originate from an approved public supply must not discharge from the site without being treated in accordance with applicable local ground water dewatering permits/regulations.
- H. Control substances that have the potential for polluting surface and/or groundwater by whatever means necessary in order to ensure that they do not discharge from the site.
  - 1. Do not allow the discharge of wash wastewater to flow from cleaning processes to a storm water drain or catch basin, street, roadway, sidewalk, gutter, landscape area or any type of storm water structure.
  - 2. Do not discharge solid materials, including building materials, from the site with storm water.
    - a. Collect cementitious material and paint waste from equipment cleaning in aboveground portable washout containers such as Vinyl-Con by RTC Environmental Products, (530) 589-2007, or equal as approved by the Walmart Construction Manager and Authorities Having Jurisdiction.
    - b. Comply with the requirements of Section 01351 for collection and disposal of waste solids.
  - 3. Recover and dispose of wash wastewater offsite at a licensed facility.

#### 1.4 TEMPORARY ELECTRICITY

- A. Connect to existing power service. Owner will pay cost of electricity used. Power consumption shall not disrupt Owner's need for continuous service. Exercise measures to conserve energy.
- B. Coordinate location and method of connection to existing electrical service with Walmart Construction Manager. Do not connect to electrical panels serving rack houses.
- C. Provide adequate distribution equipment, wiring, and outlets to provide single-phase branch circuits for power and lighting. Provide temporary feeders to limit voltage loss to 5% overall from local utility power lines to provide electric requirements for project during construction.

#### 1.5 TEMPORARY LIGHTING

- A. Provide and maintain lighting for construction operations. Provide minimum of 20 footcandles illumination for work areas.
- B. Permanent building lighting may be utilized during construction.

#### 1.6 TEMPORARY HEAT

- A. Provide and pay for heat devices and heat as required to maintain specified conditions for construction operations.
- B. Prior to operation of permanent equipment for temporary heating purposes, verify that installation is approved for operation, equipment is lubricated and filters are in place. Provide and pay for operation, maintenance, and regular replacement of filters and worn or consumed parts.
- C. Maintain minimum ambient temperature of 50 degrees F in areas where construction is in progress, unless indicated otherwise in specifications.

#### 1.7 TEMPORARY VENTILATION

- A. Ventilate enclosed areas to assist cure of materials, to dissipate humidity, and to prevent accumulation of dust, fumes, vapors, or gases.

#### 1.8 TELEPHONE SERVICE

- A. Provide, maintain and pay for telephone service to field office.

1.9 TEMPORARY WATER SERVICE

- A. Connect to existing water source. Owner will pay cost of water used. Exercise measures to conserve water.

1.10 TEMPORARY SANITARY FACILITIES

- A. Provide and maintain required chemical toilet facilities.
- B. Locate as directed by Walmart Construction Manager. Maintain facilities clean and serviced as necessary and in compliance with local health code requirements.
- C. Existing facilities shall not be used by construction personnel.

1.11 TEMPORARY STORAGE CONTAINERS

- A. General Requirements:
  - 1. If required by Authority Having Jurisdiction, obtain all permits necessary for usage and placement of temporary storage container.
  - 2. Coordinate with Store Manager to locate temporary storage container as approved by Authority Having Jurisdiction, when applicable.

1.12 BARRIERS AND CONSTRUCTION TRAFFIC SAFETY

- A. Protect non-owned vehicular traffic, stored materials, site and structures from damage.
- B. Provide barriers to prevent unauthorized entry to construction areas to allow for Owner's use of site, and to protect existing facilities and adjacent properties from damage from construction operations.
- C. Provide barricades and covered walkways required by governing authorities for public rights-of-way, to allow for Owner's use of site, and for public access to existing building.
  - 1. Erect barricades using 1/2" plywood on 2x4 framing. Supports shall be as required to uphold barricade. Verify requirements with Walmart Construction Manager.
  - 2. Construct 8'-0" high unless otherwise directed by owner.
  - 3. Shopping carts shall not be used as barricades.
- D. When operating any motorized construction equipment in areas where customers or Walmart Associates are present, provide a spotter (or signal person) whose sole job responsibility shall be to ensure safe operation, including directing traffic and keeping area of traffic clear of people.

1.13 TEMPORARY FENCING FOR CONSTRUCTION/DEMOLITION WASTE CONTAINERS

- A. General:
  - 1. Provide commercial grade temporary chain link fencing around general non-hazardous waste storage and sorting areas as specified in Section 01351 Supplement Par. 3.6.2 - ENVIRONMENTAL COMPLIANCE.
  - 2. Fencing shall be 8 feet high.
  - 3. Provide 116 linear feet of temporary fencing total, including fencing and gates.
  - 4. Maintain access to fire hydrants and hose connections, emergency vehicles, and other site specific conditions as required by Authority Having Jurisdiction.
  - 5. Obtain permits required by AHJ for usage and placement of temporary chain link fencing.
- B. Materials:
  - 1. Posts: Galvanized steel pipe. Posts shall be suitable for setting in concrete footings or driving into ground as required by local conditions.
  - 2. Fabric: Commercial-grade 2"-mesh chain-link fencing with full fence screening. Screening must be woven plastic cloth or plastic screening slats. No substitutions are allowed for fencing or screening material..
  - 3. Gates: Provide personnel and vehicle gates of the quantity and size required for functional access to waste container storage area.

- a. Fabricate gates and screening of same material as used for fencing.
  - b. Equip with locks.
- C. Installation: Comply with manufacturer's recommendations.
- 1. Post and Fabric: Set posts in concrete footings, drive posts in ground, or set in holes and backfill to accommodate local conditions. Stretch fabric taut and attach to posts.
  - 2. Gates: Install gates with required hardware.
- A. Removal: After use of fenced areas and waste/recycling containers by Walmart as specified in Section 01351, remove fencing and patch paving. Refer to Section 01731 for general patching requirements.

#### 1.14 WATER CONTROL

- A. Grade site to drain. Maintain excavations free of water. Provide, operate, and maintain pumping equipment.
- B. Protect site from puddling or running water. Provide water barriers as required to protect site from soil erosion.
- C. The Contractor shall at all times protect all activities of his construction, excavations, fill areas, embankments, trenches structures or building from damage from rainwater, spring water, ground water, backing up of drains, sewers and all other water encountered during his operations. He shall provide all pumps, equipment and enclosures necessary to provide adequate protection.
- D. Verify discharges from dewatering activities are allowed non-storm water discharges under applicable Federal, State and local regulations. Obtain a dewatering permit according to state and local regulations if discharges from dewatering activities are not allowed. Discharges from dewatering operations must be directed through an appropriate pollution prevention/treatment measure prior to being discharged from the site. Under no circumstances will discharges from dewatering operations be discharged directly into streams, rivers, lakes or other areas beyond the project limits.

#### 1.15 EXTERIOR ENCLOSURES

- A. Provide temporary weather-tight closure of exterior openings to provide acceptable working conditions and protection for Products, to allow for temporary heating and maintenance of required ambient temperatures identified in individual specification Sections, and to prevent entry of unauthorized persons.
- B. Provide access doors with self-closing hardware and locks.

#### 1.16 INTERIOR ENCLOSURES

- A. As shown on Drawings, provide temporary partitions as required to separate work areas from Owner occupied areas, to prevent penetration of dust and moisture into Owner occupied areas, and to prevent damage to existing materials and equipment.
- B. Framing and plywood sheet materials with closed joints and sealed edges at intersections with existing surfaces.
- C. Temporary Dust Partitions: Installation and removal of temporary dust partitions shall be scheduled with a minimum of 3 days prior notification to Walmart Construction Manager and/or Store Manager. Maintain temporary dust partitions to seal openings to Walmart -occupied areas. These shall be scheduled, installed, and removed as required and directed by Walmart Construction Manager and may not be indicated on the Drawings. Install partitions prior to demolition of existing walls and maintain in dust tight condition until the completion of the new construction. It is the Contractor's responsibility to prohibit dust and debris from entering the Sales area or any Walmart-occupied areas and to obtain approval from AHJ for materials/construction configuration and phasing of temporary enclosures.
  - 1. Dust Drapes:
    - a. Covering: 6 mil. clear poly sheeting (if allowed by the Authority Having Jurisdiction); otherwise use Griffolyn type 55 ASFR, anti-static, fire retardant sheeting. Overlap sheeting at joints a minimum 2'-0" and continuously tape joints. Attach sheeting from ceiling to finish floor for

- dustproof condition. If attachment to ceiling is impossible, light framing shall be installed with sheeting attached all around to prohibit dust penetration.
2. Type A Partitions:
    - a. Framing: Light gauge metal framing (refer Section 05400) or framing material approved by Authorities Having Jurisdiction (AHJ). Provide continuous 2x4 top and bottom plates and continuous bridging and bracing. Continue top plate to bottom side of roof deck.
      - 1) Walls up to 14'-0" may use 3-5/8" - 22 gauge metal studs at 24" o.c. or 2x4's at 16" o.c.
      - 2) Walls higher than 14'-0" may use 6" - 20 gauge metal studs at 24" o.c. or 2x6's at 16" o.c.
    - b. Covering: Install continuous 6 mil clear poly sheets (if allowed by the Authority Having Jurisdiction); otherwise use Griffolyn type 55 ASFR, anti-static, fire retardant sheeting. Install from finish floor to roof deck. Tape all joints. Install 1/2" C-D plywood over 6 mil poly. Install 4'x8' sheets horizontally from finish floor to bottom of roof deck. Insure that blocking is provided behind each joint. Provide sealant at bottom of plywood at finish floor and continuous sealant against plate on other side.
  3. Type B Partitions:
    - a. Framing: (same as Type A above).
    - b. Covering: Install continuous 6 mil clear poly sheets (if allowed by the Authority Having Jurisdiction); otherwise use Griffolyn type 55 ASFR, anti-static, fire retardant sheeting. Install from finish floor to roof deck. Tape all joints. Install 1/2" C-D plywood over 6 mil poly. Install 4'x8' sheets horizontally to bottom of finish ceiling. Extend 6 mil poly to bottom of roof deck. Insure that blocking is provided behind each joint. Provide sealant at bottom of plywood at finish floor and continuous sealant against plate on other side.
  4. Type D Partitions:
    - a. Framing: (same as Type A above).
    - b. Covering: At interior face of partition, install continuous 6 mil clear poly sheets (if allowed by the Authority Having Jurisdiction); otherwise use Griffolyn type 55 ASFR, anti-static, fire retardant sheeting. Install from finish floor to roof deck. Tape all joints. Install 1/2" C-D plywood over 6 mil poly. Install 4'x8' sheets horizontally to bottom of roof deck. Insure that blocking is provided behind each joint. At exterior face of partition, install 30 gauge, 24" wide corrugated metal panels as shown on the Drawings. Fill wall cavities with R-13 batt insulation. Provide sealant at bottom of plywood at finish floor and continuous sealant against plate on other side.
  5. Doors:
    - a. Single acting doors, opening out, with sturdy closer, closing against gasketed stops on frame to reduce passage of dust.
  6. Sealing:
    - a. Seal perimeter of partitions and doors to prevent passage of dust. At Type A and B partitions, tape fastener depressions, joints between panels and joints between panels and floors, ceiling and columns with 2 in. wide pressure sensitive tape.
  7. Mats:
    - a. Provide mats at doors to reduce tracking of dust. Replace or clean daily.

#### 1.17 FIELD OFFICES AND SHEDS

- A. Contractor's Office: (Not required for projects with a duration of less than 4 weeks.)
  1. Size as required for Contractor's use and to provide space for project meetings.
  2. Adequate electrical power, lighting, heating, and cooling to maintain human comfort.
  3. Office space with desk and chair, layout table, plan rack, and facilities for storage of Project Record Documents.
  4. Furnishings in meeting area:
    - a. Conference table and chairs for at least eight persons.
    - b. Racks and files for Project Record Documents in, or adjacent to, the meeting area.
    - c. Other furnishings: Contractor's option.
  5. Contractor's office and sheds not to be used as living accommodations.
- B. Storage Sheds: Structurally sound, weathertight, on proper foundations, with floors raised above ground.
- C. Locate office and sheds minimum 30 feet from structures.

1.18 CONSTRUCTION AIDS

- A. Provide construction aids required to facilitate execution of Work, including stairs, ladders, ramps, staging, platforms, railings, cranes, scaffolds, hoists, chutes, runways, and other required facilities and equipment.
- B. Such apparatus, equipment and construction shall meet requirements of applicable OSHA (Federal), State and Local Safety and Labor Laws.
- C. Store employees shall not be allowed access to scaffolds, ladders, and hoists.
- D. Coordinate crane service required for erection of structural steel, installation of HVAC Rooftop Units, and other crane services as required to accommodate Walmart's needs.

1.19 PROTECTION OF EXISTING WORK

- A. The existing building shall be protected from moisture, dust and debris. Install dust partitions or drapes as shown or as required to keep dust and moisture from the building premises.
- B. Damage to existing property (including merchandise), which occurs during the process of construction shall be repaired or replaced at no additional cost to the Owner. Contractor shall pay costs for damaged incurred.
- C. Provide suitable temporary watertight coverings over openings as required to protect interior work from inclement weather and related/adjacent construction areas.
- D. Maintain benchmarks, monuments and other reference point. If disturbed or destroyed, replace as directed.
- E. Protect existing adjacent streets, sidewalks, curbs, buildings and property, including trees, lawns and plants.

1.20 PROTECTION OF INSTALLED WORK

- A. Protect installed Work; provide special protection where specified in individual specification Sections.
- B. Provide temporary and removable protection for installed Products. Control activity in immediate work area to minimize damage.
- C. Provide protective coverings at walls, projections, jambs, sills, and soffits of openings.
- D. Protect finished floors, stairs, and other surfaces from traffic, dirt, wear, damage, or movement of heavy objects, by protecting with durable sheet materials.
- E. Minimize traffic and storage on roofed surfaces. If traffic or storage is necessary, obtain recommendations for protection from roofing material manufacturer.
- F. Do not operate cranes or other heavy equipment on concrete floor slabs if damage could result from such operations.
- G. Prohibit traffic from landscaped areas.

1.21 SECURITY

- A. Maintain the integrity of the existing building security and security systems at all times. Provide security and facilities to protect Work and Owner's operations from unauthorized entry, vandalism, and theft.
- B. Obtain permission and coordinate with Owner's security program through Walmart Construction Manager at least 12 hours prior to the modification of any existing security system.
- C. Provide continuous security at openings cut into existing exterior walls and roofs.

## 1.22 ACCESS ROADS AND PARKING

- A. Construct and maintain temporary all weather roads accessing public thoroughfares to serve building pad and construction staging area.
- B. Extend and relocate as Work progress requires. Provide detours necessary for unimpeded traffic flow.
- C. Provide and maintain access to fire hydrants, free of obstructions.
- D. Provide temporary parking areas to accommodate construction personnel.
- E. When site space is not adequate, provide additional off- site parking.
- F. Provide 100' x 100' all weather material staging area exclusive of building pad.

## 1.23 NOISE CONTROL

- A. Demolition and other Work that disturbs surrounding Walmart Store areas shall only be allowed in the following categories and time restrictions:
  - 1. Low Level Noise: Assembling trades such as electricians, ceiling installers, painters, tapers, etc.. Excludes all hammering and impact drilling. Low-level noise operations are allowed during Walmart Store operational hours.
  - 2. Moderate Level Noise: Trades include gypsum board installers, stud partition installers, duct installers, etc. Includes occasional and intermittent hammering, screw drilling, etc.. Excludes impact drilling and concrete sawing. Moderate level noise operations may be allowed during Walmart Store operational hours upon approval of Walmart Construction Manager or Store Manager.
  - 3. High Level Noise: Constant loud and high pitched noise produced by impact drilling, concrete sawcutting, hammering of ductwork, and all demolition work. High-level noise operations shall be restricted to Walmart Store non-operational hours.

## 1.24 PROGRESS CLEANING

- A. Maintain areas free of waste materials, debris, and rubbish. Maintain site in a clean and orderly condition.
- B. Remove debris and rubbish from pipe chases, plenums, attics, crawl spaces, and other closed or remote spaces, prior to enclosing the space.
- C. Broom and vacuum clean interior areas prior to start of surface finishing, and continue cleaning to eliminate dust.
- D. Remove waste materials, debris, and rubbish from site weekly and dispose off-site.

## 1.25 SIGNAGE

- A. Temporary Construction Signage: Provide temporary signage for identification as required due to obscurity caused by construction. Provide signage for traffic control and safety information. Provide temporary pavement striping for traffic control and pedestrian safety. Provide temporary handicap parking spaces if existing spaces are at a non-accessible location to the building entrance.

## 1.26 INFORMATION/SAFETY BOARD

- A. Provide 4'x8'x3/4" C/D exterior glue plywood to be attached on the existing exterior wall at a location designated by the Walmart Construction Manager.
- B. Information/Safety Board shall be used to communicate safety, state & federal, hiring, OSHA and EPA requirements, bulletins and other information required for the construction of this Project.
- C. The board shall contain but not be limited to the following:

1. OSHA Safety Requirements
2. Federal and State Hiring Regulations
3. Pertinent State, Local, and Federal Employment Regulations
4. Building Permits
5. Emergency telephone numbers
6. Job Site Safety Meeting notifications
7. EPA Permits or Notification regarding Asbestos or other Toxic or Hazardous Materials
8. Other information required to comply with applicable OSHA, EPA and Federal safety laws

- D. Protect posted information with either plastic sleeves stapled to the board or 6 mil clear plastic sheathing over entire board providing access for posting of additional information.

#### 1.27 POSTED CONSTRUCTION SCHEDULE

- A. Post construction schedule and Phasing Plans (Floor Tile, Paint) in back office area for clear viewing by all trades and workmen. Provide names/telephone numbers of Walmart Construction Manager, General Contractor Project Manager, Superintendent and Phase I Supervisor. Maintain most recent and updated version of schedule.

#### 1.28 STORAGE OF CONSTRUCTION MATERIALS AND EQUIPMENT

- A. Locate storage areas to minimize exposure to weather. The Contractor shall inspect areas used for storing materials for evidence of, or the potential for, pollutants entering the storm drainage system or discharging from the site. If necessary, the materials must be covered, or original covers must be repaired or supplemented. Construct protective berms, if needed, in order to contain runoff from material storage areas. Comply with all state and local regulations pertaining to material storage areas.

- B. The Work area may be used to store materials and equipment as approved by the Walmart Construction Manager. Provide storage trailers as required for storage of other materials. The Contractor shall not use Walmart trailers or storage warehouses for materials/equipment storage.

1. Storage of chemicals, paints, solvents, fertilizers, and other toxic materials within building is prohibited. Remove such materials daily from store.
2. Locate storage trailers containing chemicals, paints, solvents, fertilizers, and other toxic materials a minimum of 30 feet from existing structures and adjacent property lines. Coordinate with Walmart Construction Manager if site constraints will not allow placing storage trailers at specified distance.
3. Construction equipment and vehicles shall be maintained to insure equipment and vehicles are without fluid leaks. Remove construction equipment and vehicles with fluid leaks from store site.
4. Temporary on-site fuel tanks for construction equipment shall meet all State and Federal regulations. Tanks shall have approved spill containment with the capacity required by NFPA 30 and all other applicable regulations. Generate a Spill Prevention, Control and Countermeasure (SPCC) Plan if above ground oil storage capacity at the construction site exceeds 1,320 gallons or as specified by the State in accordance with Oil Pollution Prevention regulation 40 CFR 112.

- C. Hazardous Material Management and Spill Reporting Plan:

1. Properly handle any hazardous or potentially hazardous material brought onto construction site to reduce potential for stormwater pollution.
2. Store and handle flammable and combustible liquids in accordance with 29 CFR 1926.152. Use only approved containers and portable tanks for storage and handling of flammable and combustible liquids.
3. Maintain on-site all Material Safety Data Sheets (MSDS) for any and all applicable materials.
4. Maintain a spill control and containment kit on-site. Contents may typically include:
  - a. Absorbent material such as kitty litter or sawdust.
  - b. Acid neutralizing agent.
  - c. Brooms, dust pans, mops, rags.
  - d. Personal Protective Equipment (PPE): gloves, goggles, etc.
  - e. Plastic and metal trash containers.
5. Immediately contain and remove any spilled materials in the manner specified by local, State and Federal regulations and by product manufacturer.
6. Notify Walmart Construction Manager immediately in the event of a spill.



7. Report spills to appropriate agencies in accordance with local or State agency regulations as soon as possible.
- D. The Contractor may not store materials on site except for what is in use for the current work.
- E. Cover and protect material in transit.
- F. Stored materials shall be available for inspection by Owner at all times.
- G. Walmart is NOT responsible for the loss of any construction materials or the Contractors' loss of equipment or tools.

1.29 TEMPORARY FIRE PROTECTION

- A. Contractors and sub-contractors and their agents and employees shall comply with local fire protection codes and OSHA Regulations.
  1. During entire construction period, provide a minimum of one U.L. listed 2A:20BC dry chemical fire extinguisher, or one standard U.L. listed 2-1/2 gallon water (E-10) and one U.L. listed 10BC carbon dioxide fire extinguisher mounted together, in each of the following areas with a minimum of two available in all construction areas at all times:
    - a. Each 3000 sq. ft. of work area or fraction thereof with minimum of two extinguishers.
  2. Contractor's superintendent, or other assistant superintendents, shall be appointed as project fire warden for entire construction period.
  3. Train workmen in proper use of each type fire extinguisher.
  4. Post telephone number of fire department, specific information on location of on-site fire fighting equipment and procedure to be followed in event of fire.
  5. Maintain free access at all times to fire extinguisher equipment, street fire hydrants, and outside connections for standpipe hose systems.
- B. Maintain exit facilities and access thereto free of material and other obstructions. If any exits are rendered inoperative during remodeling, provide the same number of temporary exits and maintain a sufficient number of required exits and exit width as required by the adopted building code and AHJ.

1.30 NON-SMOKING POLICY

- A. Smoking will not be allowed within the building or customer/associate traffic areas at any time.

1.31 REMOVAL OF UTILITIES, FACILITIES, AND CONTROLS

- A. Remove temporary above grade or buried utilities, equipment, facilities, materials, prior to Final Walk-Thru inspection.
- B. Clean and repair damage caused by installation or use of temporary work.
- C. Restore existing facilities used during construction to original condition. Restore permanent facilities used during construction to specified condition.
- D. At completion of construction, remove fencing, guardrails, barricades, temporary signage and temporary coverings.

PART 2 - PRODUCTS

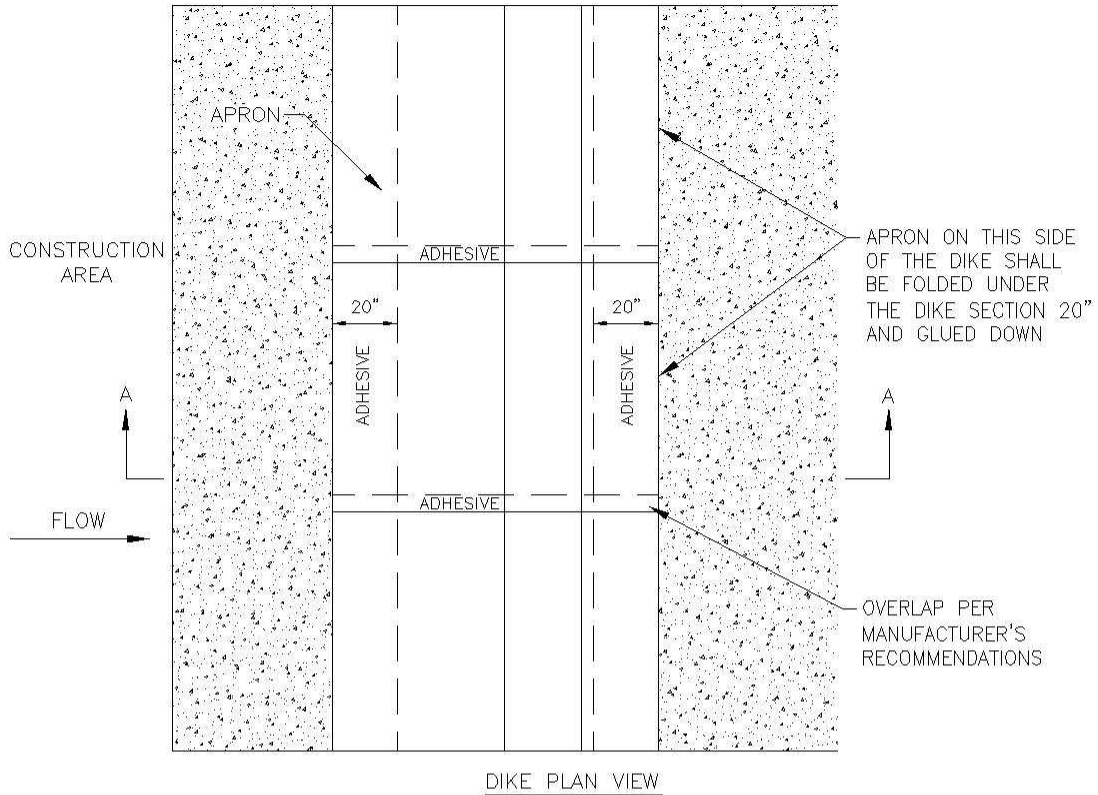
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PART 3 - EXECUTION

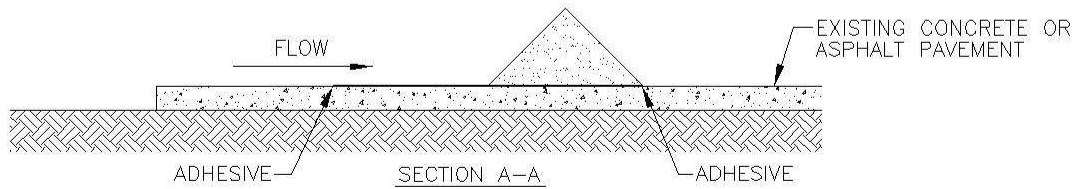
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END OF SECTION

Appendix A – Site BMPs

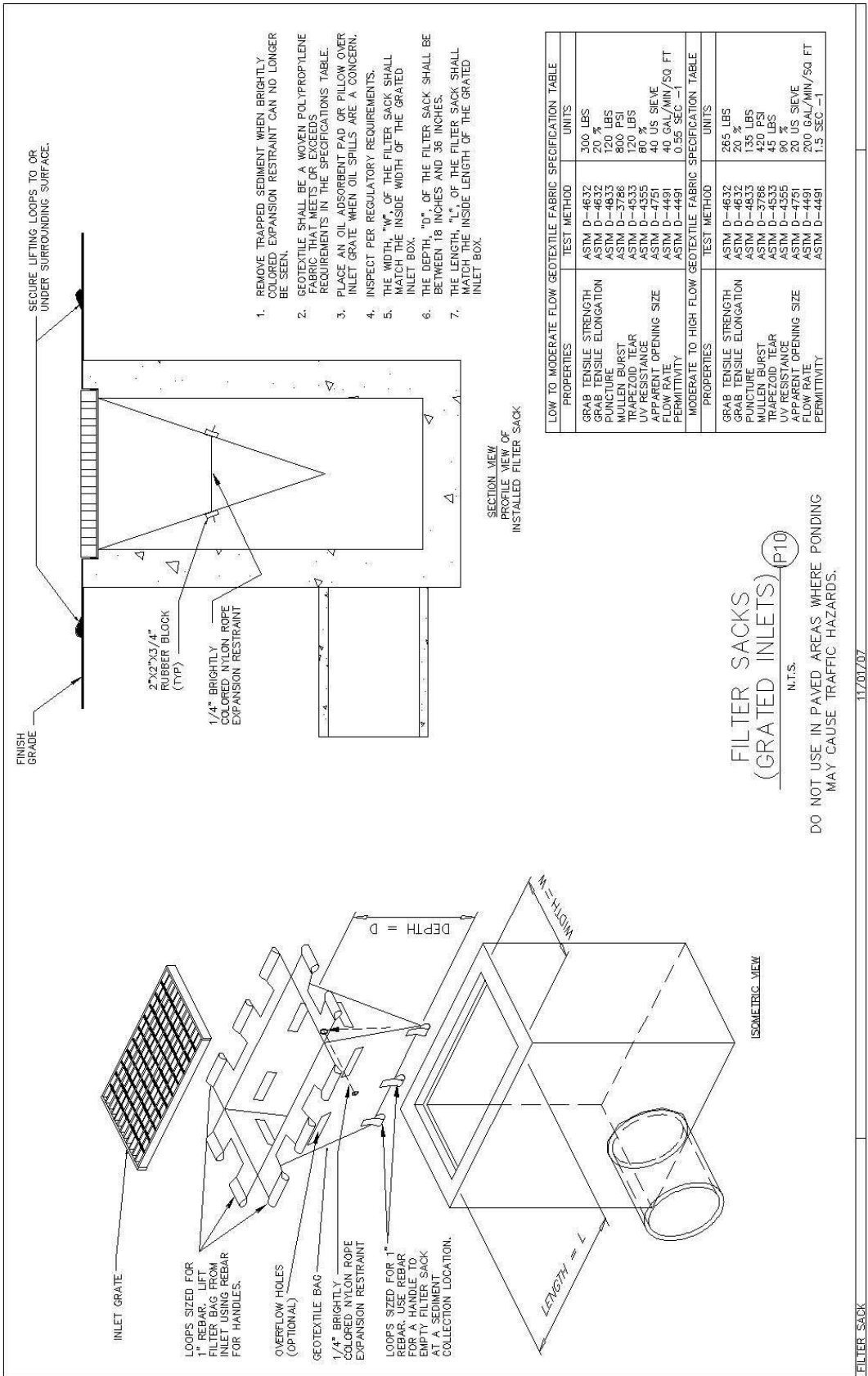


- NOTES:
1. INSTALLED SILT DIKE UNIT SHALL HAVE CONTINUOUS AND FIRM CONTACT WITH PAVEMENT.
  2. ADHESIVES SHALL BE LIQUID NAIL OR APPROVED EQUAL FOR CONCRETE PAVEMENT APPLICATIONS AND EMULSIFIED ASPHALT FOR ASPHALT APPLICATIONS. ADHESIVE SHALL BE PLACED WHERE THE UNITS OVERLAP AND A 20" STRIP ALONG BOTH EDGES.



SILT DIKE  
(ON EXISTING PAVEMENT) (SDP)  
N.T.S.

DT-SDP	11/01/07	
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1. REMOVE TRAPPED SEDIMENT WHEN BRIGHTLY COLORED EXPANSION RESTRAINT CAN NO LONGER BE SEEN.
2. GEOTEXTILE SHALL BE A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS REQUIREMENTS IN THE SPECIFICATIONS TABLE.
3. PLACE AN OIL ADSORBENT PAD OR PILLOW OVER INLET GRATE WHEN OIL SPILLS ARE A CONCERN.
4. INSPECT PER REGULATORY REQUIREMENTS.
5. THE WIDTH, "W", OF THE FILTER SACK SHALL MATCH THE INSIDE WIDTH OF THE GRATED INLET BOX.
6. THE DEPTH, "D", OF THE FILTER SACK SHALL BE BETWEEN 18 INCHES AND 36 INCHES.
7. THE LENGTH, "L", OF THE FILTER SACK SHALL MATCH THE INSIDE LENGTH OF THE GRATED INLET BOX.

SECTION VIEW PROFILE VIEW OF INSTALLED FILTER SACK

LOW TO MODERATE FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE		
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	300 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20 %
PUNCTURE	ASTM D-4633	120 LBS
MULLEN BURST	ASTM D-3788	800 PSI
UV RESISTANCE	ASTM D-4355	20 %
APPARENT OPENING SIZE	ASTM D-4751	40 US SIEVE
FLOW RATE	ASTM D-4491	40 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	0.55 SEC -1
MODERATE TO HIGH FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE		
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	285 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20 %
PUNCTURE	ASTM D-4633	120 LBS
MULLEN BURST	ASTM D-3788	430 PSI
TRAPEZOID TEAR	ASTM D-4533	45 LBS
UV RESISTANCE	ASTM D-4355	90 %
APPARENT OPENING SIZE	ASTM D-4751	20 US SIEVE
FLOW RATE	ASTM D-4491	200 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	1.5 SEC -1

**FILTER SACKS  
(GRATED INLETS)** (P10)

N.T.S.  
DO NOT USE IN PAVED AREAS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.

11/2017/07

FILTER SACK

