PROJECT MANUAL FOR CARLTON STREET SIDEWALK AND UTILITY IMPROVEMENTS



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PROJECT INFORMATION

CARLTON STREET SIDEWALKS AND UTILITY IMPROVEMENTS

1.1 PROJECT SCOPE OF WORK

This project consists of the construction of new sidewalks, driveway restoration, roadway restoration, stormwater improvements, earthwork, watermain rehabilitation, and sanitary sewer rehabilitation in Naples Manor. The project limits are defined as Carlton Street from Floridian Avenue to Tucker Avenue and Tucker Avenue from Sholtz Street to Hardee Street. A new sidewalk will be constructed on the east side of the existing roadway along Carlton Street within the existing Collier County Right-of-Way.

TECHNICAL SPECIFICATIONS

CARLTON STREET SIDEWALKS AND UTILITY IMPROVEMENTS

Go to the Collier County website below for the latest revision of the Technical Specifications:

https://www.colliercountyfl.gov/home/showpublisheddocument/83280/636777869161770000

SUPPLEMENTAL SPECIFICATIONS

CARLTON STREET SIDEWALKS AND UTILITY IMPROVEMENTS

3.1 MEASUREMENT AND PAYMENT

- A. This section describes the method used to determine quantities of Work performed or materials supplied for which a price is given in the Bid. It establishes the basis upon which payment will be made for Payment Items.
- B. Subject to the provisions in General Conditions, all Work and payment for the Work is represented by Payment Items and associated unit prices.

PAYMENT

- A. Subject to all other contract requirements, the Contractor shall be paid for "as-built" quantities of Work for which a price is given in the bid.
- B. Quantities on the Bid Schedule are estimated and may be increased or decreased without limit and without changes to the unit prices.
- C. No separate payment will be made for one Payment Item as Work incidentally required to complete the Work of another.
- D. Payment for Work performed shall be made in accordance with the unit prices in the Bid.
- E. Contractor's payment applications approval is subject to all conditions of the Contract, Collier County requirements and of the receipt and approval (by the County, EOR, and/or CEI) of following from the Contactor:
 - 1. Up-to-date monthly Project Schedule.
 - 2. Up-to-date Two Week Look-a-Head schedules (every 2 weeks).
 - 3. Up-to-date weekly vibration monitoring reports (signed and sealed).
 - 4. Preconstruction Assessment Forms.
 - 5. Preconstruction Videos (wet and dry).
 - 6. Existing utility location reports (horizontal and vertical pot holing or soft digging of all existing utilities), including existing sewer laterals).
 - 7. As-built red lines of completed work.
 - 8. Compliance with staging/storage lot(s) conditions/restrictions per the Special Project Provisions.

MEASUREMENT FOR PAYMENT

A. Methods of Measurement:

- 1. Measurements of lengths, widths, slope angles, and depths or elevations shall be made to determine "as-built" quantities of lengths, areas and volumes pertinent to Payment Items.
 - a. Unless otherwise specified, all lengths shall be horizontal distances.
 - b. Slope angles and elevations shall be measured using land surveying equipment.
- 2. Graphic representations of measured quantities shall be drafted to scale using the Drawings where convenient and appropriate. Additional drawings shall be drafted if required.
 - a. Irregular shapes representing areas and volumes shall be measured using a compensating polar planimeter or a computer digitizer.
 - b. Regular shapes shall be scaled.
- 3. Use of Drawings:

Unless otherwise agreed upon between the Contractor and Owner, the Drawings shall be used as the basis to establish existing grades and other existing topographic features.

PAYMENT ITEMS

- A. No separate payment will be made for the following Work, and its cost shall be included in the Bid Price of the Payment Item to which it is associated:
 - 1. Trench excavation, sheeting, shoring and bracing.
 - 2. Dewatering and associated water quality testing as stipulated in the South Florida Water Management District Permit.
 - 3. Best management practices and controls required to meet dewatering discharge water quality standards.
 - 4. Erosion and sedimentation control and turbidity screening.
 - 5. Excavation, fill, backfill, pipe bedding (including 57 stone), compaction, and grading, including furnishing and installing imported material as required.
 - 6. Excavation of all material encountered, including rock, organic, inorganic, and unsuitable material and all material transportation and disposal.
 - 7. Right-of-way (ROW), site, and all disturbed area restoration including grading, sod, mulch, plantings, trees, landscape, etc. Sod type shall be determined by the type of sod that constitutes 50% or more of the property to be restored.
 - 8. Final and temporary restoration.
 - 9. Removal and temporary replacement of driveways and roadways disturbed during construction to maintain stable condition until permanent restoration is completed.
 - 10. Tree trimming (within the ROW and outside the ROW) and removal (within the ROW).
 - 11. Removal, repair, and replacement of existing irrigation located within the ROW.
 - 12. Maintaining irrigation systems operable during construction.

- 13. Removal and disposal of existing water mains and associated appurtenances (other than AC water main piping), including concrete thrust blocks.
- 14. Removal and disposal of existing stormwater pipes, culverts, mitered ends, headwalls, and associated structures.
- 15. Removal and replacement of existing bollards (wooden, metal, or concrete).
- 16. Cleanup and site dust control, including daily sweeping and watering and as needed to maintain a clean work area and daily collecting and disposal of all trash and debris within the project site.
- 17. Testing, including all materials, fees, certifications, and equipment.
- 18. Maintenance of utility service.
- 19. Appurtenant work.
- 20. Removal and replacement of fencing and other structures within the ROW.
- 21. Saw cutting.
- 22. Coordination with other contractors for work within the ROW and/or private property.
- 23. All transportation, storage, and labor.
- 24. Notifications to property owners of construction schedule and service interruptions.
- 25. Hiring of power company to relocate or support power poles as required.
- 26. Contractor Project Manager or Supervisor on-site during any construction activity.
- 27. Temporary bacteriological sample points.
- B. Measurement and Payment Items as listed in the Bid Schedule:

SECTION 1: GENERAL REQUIREMENTS

1. Mobilization/Demobilization

- A. Measurement for various items covered under Mobilization/Demobilization will not be made for payment, and all items shall be included in the contract lump sum price.
- B. Payment for mobilization and demobilization will be made at the Contract lump sum price and shall include all necessary meetings for the project, including but not limited to: meetings with property owners, home owners associations, and other interested parties, all meetings deemed necessary by Collier County, the attendance of the Contractor's field superintendent(s) at all progress meetings, and all other public meetings required to complete the project in accordance with the contract documents, preparatory work and operations in mobilizing for beginning work on the Project and demobilizing for ending work on the Project. Additionally, this item shall include locating and potholing all existing utilities (including existing sanitary sewer laterals at the ROW line, water meters and backflow devices) a minimum of two (2) weeks prior to beginning work and providing the required report and notification to the Engineer of Record and County of any discrepancies found; the establishment of safety equipment,

first aid supplies, sanitary and other facilities, as required by these specifications, State and local laws and any other preconstruction expense necessary for the state of the Work, insurance and bonds, the cost of field engineering, including permits and fees, construction schedules (updated schedules are required monthly and 2-week look-a-heads every 2 weeks), shop drawings, temporary facilities, lay down staging/storage area/lots, construction aids, work associated with Contractor support during Owner/Engineer testing, reviews and inspection, re-inspection and any rework resulting from same, cleaning, and project records documents. This payment item cannot exceed more than 5% of the subtotal base bid (without allowances) for each Avenue.

2. Maintenance of Traffic

- A. Measurement for various items covered under Maintenance of Traffic will not be made for payment, and all items shall be included in the contract lump sum price.
- B. Payment for Maintenance of Traffic will be made at the Contract lump sum price for the item, which price and payment shall be full compensation for permitting, construction, and maintenance of any necessary detour facilities; the providing of necessary facilities for access to residences, business, etc., along the project; the furnishing, installing and maintaining of traffic control, barricades, railings, signs, temporary pavement markings, message boards (VMS), warning lights, and other safety devices during construction, the control of dust (daily and as further needed), providing the services of uniformed off-duty police officers, flag men, watchmen, and other special requirements for the safe and expeditious movements of traffic per County and FDOT standards.

3. Survey Layout & Record Drawings

- A. Measurement for various items covered under Survey Layout & Record Drawings will not be made for payment, and all items shall be included in the contract lump sum price.
- B. Payment for providing all survey and record drawings will be made at the contract lump sum price for the item, which price and payment shall be full compensation for project stake-out, completion of an as-built survey, contractor's hand-drawn redlines, and the delivery of five (5) sets of signed and sealed record drawings by a professional land surveyor, licensed and registered in the State of Florida and an electronic copy submitted to the County upon Contract close-out per County standards. Electronic (CAD) files shall be provided to the Engineer of Record. Up-to-date Contractor redlines shall be provided with every pay request. Pay requests submitted without up-to-date Contractor redlines shall be rejected.

4. Pre-Construction Video & Photographs

- A. Measurement for various items covered under Pre-Construction Video & Photographs will not be made for payment, and all items shall be included in the contract lump sum price.
- B. Payment for providing pre-construction videos and photographs will be made at the full lump sum contract price for the item, which price and payment shall be full compensation for individual property assessments with a minimum of three pictures

per lot to document pre-construction conditions, including, but not limited to, sod type, driveway condition, driveway condition outside of the ROW, and private irrigation system details documented on the Pre-Construction Condition Form specified herein; a wet weather video (in addition to a dry weather video) to document flood conditions that will take place during normal business hours. If documentation of the wet weather condition is not possible by a precipitation event, this shall include the cost to flood the ROW with a water truck to document stormwater drainage conditions. Preconstruction videos and pictures shall be re-taken individually for each phase a maximum of 30 days prior to commencement of construction in a new corresponding phase. This pay item includes performing a preconstruction video(s) and pre-assessment forms for all Contractor staging/storage lots.

SECTION 2: WATER MAIN

5. Water Main Pipelines

- A. Measurement for water main pipelines, except as otherwise specified, will be based on the laying length of the pipe in linear feet actually placed as measured along the centerline of the completed pipe, including length of fittings measured along the centerline measured to the nearest foot, between the limits shown on the Drawings and restraint of pipe as required by contract documents.
- Payment for furnishing and installing water main pipelines will be made at the Contract B. unit price per linear foot for the pipe in place, which price and payment shall be full compensation for all work associated with the water main pipeline installation. Payment shall also include furnishing and installation of all pipe fittings, sidewalk and driveway removal and replacement (not included in another pay item), asphalt removal and replacement, curb and gutter removal and replacement, restraints, detectable tape, pretesting, flushing/filling of main, joint restraints, temporary connections (including jumpers, temporary meters, and abandonment once clearance is obtained), temporary facilities for blow-offs, pressure testing, disinfection and sterilization, bacteriological testing and sampling assemblies, silt fencing, insulated conducting wire, connections to existing water main (not included in a separate pay item) including restraint of existing pipe on all sides of the tie in, support of existing main, keeping existing main in service, removal and temporary replacement of driveways and roadways disturbed during construction to maintain usable condition until permanent restoration is completed; landscape and/or sodding not designated in bid as necessary, coordination with other contractors, stubs and valves for future connections to existing pipes, cleanup, all cost to clean, repair new or existing piping and appurtenances, and all equipment and all other work necessary to complete the installation as specified. Contractor to assume all existing pipe is unrestrained at connection points and restrain existing pipes per Collier County standards.

6. Connect to Existing Water Main

- A. Measurement for connections to existing water mains, except as otherwise specified, will be based on the number of connections actually installed and accepted.
- B. Payment for connecting the newly constructed water main to the existing water mains will be made at the appropriate Contract unit price per each connection acceptably

installed which price and payment shall be full compensation to furnish and install all fittings, connections, insert valves and line stops (not included in a separate pay item), tapping sleeve and valve with valve box, blow-offs, miscellaneous piping not included under a separate bid item; restraining existing and proposed piping, removal and replacement of existing concrete restraints as necessary, concrete work, field measurements, protection of existing utilities and facilities, bacteriological sample points testing, and all other work required for a complete installation. This pay item does not include connections not listed in the bid schedule under this bid item, additional connections to existing/newly installed water mains shall be included in the Water Main Pipelines unit cost.

7. Fire Hydrant Assembly

- A. Measurement for Fire Hydrant Assembly, except as otherwise specified, will be based on the number of fire hydrants installed and accepted.
- B. Payment for furnishing and installing the fire hydrant assemblies will be made at the appropriate contract unit price per fire hydrant assembly installed which price and payment shall be full compensation for all labor and materials required to furnish and install the tee on the utility main, all necessary fittings, joint restraint from the valve to the tee, necessary piping from the tee to the hydrant location with the installation of barrel (riser) section to meet finished grade at the locations depicted in the drawings, and deflections under/over existing or proposed utilities, swales, or stormwater improvements; control gate valve, valve box, pavement marker, coordination with the fire department, chains, and any concrete work. Contractor is responsible to set the hydrant to grade in accordance with the details shown on the Plans and the Collier County Specifications.

8. Bacteriological Sample Point

- A. Measurement for furnishing and installing bacteriological sample points will be based on the number of permanent bacteriological sample points installed and accepted.
- B. Payment for furnishing and installing permanent bacteriological sample points will be made at the appropriate contract unit price per each bacteriological sample point installed and accepted which price and payment shall be full compensation to furnish and install all valves, tubing, fittings, saddles, enclosure, all concrete, removal existing sample points, and incidentals necessary for a complete installation as shown on the drawings and as specified herein.

9. Air Release Valve

- A. Measurement for Air Release Valves, except as otherwise specified, will be based on the number of air release valves installed and accepted on the potable water main.
- B. Payment for furnishing and installing air release valves will be made at the appropriate contract unit price per each air release valve installed and accepted which price and payment shall be full compensation to furnish and install the valve, complete with tapping saddle, ballcorp, curb stop, supports, vents, vault, footing, frame, cover, access lid, piping, fitting and bends, enclosures, deflections under/over existing or proposed utilities, swales, or stormwater improvements, and other appurtenances. Air release

valves shall be placed at the ROW line unless otherwise directed by the County. The necessity of air release valves shall be field determined by the Contractor, EOR, Owner, and CEI.

10. Gate Valve

- A. Measurement for Gate Valves/Insert Valves/Line Stops, except as otherwise specified, will be based on the number of actual gate valves/insert valves/line stops installed and accepted.
- B. Payment for furnishing and installing gate valves/insert valves/line stops will be made at the appropriate contract unit price per gate valve/insert valve/line stop installed which price and payment shall be full compensation for all labor and materials associated with furnishing, installing and testing the valve/line stop, valve stem, mechanical restraints (not listed in a separate pay item), restraint of existing mains, valve nut with extension, tie rods, valve box, valve box adjustments or extensions, valve concrete pad, valve disk, valve cover, and required marker balls. This item also includes the installation of base material below the valve/line stop and the removal and reinstallation of line stop as required in accordance with Collier County standards.

11. Install Water Service

- A. Measurement for Install Water Service, except as otherwise specified, will be based on the number of water services by type actually installed and accepted.
- B. Payment for furnishing and installing water services will be made at the appropriate Contract unit price per each polyethylene short side and long side service (single and double) from the water main to and including the curb stop within the meter box acceptably installed which price and payment shall be full compensation for all labor, materials, and equipment to install all necessary pipe, fittings, connections, conduits/casings, meter stops, stainless steel tapping saddles, tapping sleeves, curb stops, electronic marker at curb stop and water main connection, locking curb stops at vacant properties as specified on the drawings, deflections, water meter/meter box adjustments (not included in a separate pay item), connection to existing meters, protection of existing utilities and facilities, removal of asphalt along utility corridor, placement of temporary asphalt along the utility corridor, removal and replacement of shrubs, pavement, culverts and storm sewers, sidewalks and other surface materials not specifically designated in the Bid, and all other work required for a complete installation.

12. Service to "New" Meter Supplied by Collier County

- A. Measurement for Water Services, except as otherwise specified, will be based on the number of water meters, meter boxes, and backflow devices by type actually installed and accepted.
- B. Payment for furnishing and installing new meter boxes, relocating existing meters, and the relocation of existing or installation of County provided new backflow devices, will be made at the appropriate Contract unit price per each polyethylene short side and long side service (single and double) from the water main to and including the curb stop within the meter box acceptably installed which price and payment shall be full

compensation for all labor, materials, and equipment to install all necessary pipe, fittings, connections, conduits/casings, meter stops, stainless steel tapping saddles, tapping sleeves, curb stops, electronic marker at curb stop and water main connection, locking curb stops at vacant properties as specified on the drawings, deflections, water meter/meter box adjustments (not included in a separate pay item), connection to existing service with County provided meters, backflow device installed/relocated to the property corner, and all other work required for a complete installation. For County provided backflow device pickup, it will be the responsibility of the Contractor to pick up parts at the distribution warehouse on 4370 Progress Avenue as needed and will need to sign the parts request form upon pickup to confirm that all parts are received. All parts requests should be made in writing at least three (3) business days in advance before request for pickup. Parts requests can be emailed to the project manager. The County shall provide all the necessary paperwork associated with the backflow device replacements. All existing materials removed shall be returned to the County or disposed of by the Contractor (at no additional cost) at the County's discretion. New meter boxes shall be Fibrelyte Composite FL12 with Fibrelyte Composite D (AMR and Reader Door) cover or approved equal by Collier County.

13. Service to Meter Box Only - "Vacant Lot"

- A. Measurement for Water Boxes, except as otherwise specified, will be based on the number of meter boxes installed and accepted.
- B. Payment for furnishing and installing new meter boxes to vacant properties will be made at the Contract unit price per meter box installed and accepted, which price and payment shall be full compensation for all labor, furnishing and installing all material fittings, conduit/casings, bushings, reducers, adaptors, grading, restoration and all work necessary to connect the service to the proposed meter boxes and locking curb stop as depicted on the plans. All existing meter boxes removed shall be returned to the County or disposed of by the Contractor (at no additional cost) at the County's discretion. New meter boxes shall be Fibrelyte Composite FL12 with Fibrelyte Composite D (AMR and Reader Door) cover.

14. Conflict Avoidance (Deflections)

- A. Measurement for each conflict avoidance constructed (horizontal or vertical deflection) will be based on the number of each conflict avoidance of existing utilities and drainage installed and accepted.
- B. Payment for conflict avoidance not included in a separate pay item and not already noted on the plans, will be made at the appropriate contract unit price per each deflection installed and accepted which price and payment shall be full compensation to furnish and install pipe, fittings, ARVs as required (not included in another pay item), restraints, concrete work, existing utility protection and restraints, and any other incidentals necessary for a complete installation as specified herein. The linear feet of new water main piping installed associated with conflict avoidances shall be paid for under a separate pay item and will be measured, in a straight line, between the fitting that begins the deflection and ends the deflection.

15. Abandon Existing Water Main (15a. Remove - 2" PVC, 15b. Grout - 2" PVC, and 15c.

Remove - 6" PVC)

- A. Measurement for removal and disposal of the existing water main pipeline material will be based on the laying length of the pipe in linear feet actually removed and disposed of as measured along the centerline of the pipe, including length of fittings and specials measured along the centerlines, between the limits shown on the Drawings and restraint of pipe as required by contract documents.
- B. Payment for abandoning and removing existing water main will be made at the appropriate Contract unit price per lineal foot of water main acceptably removed and disposed offsite in accordance with the Collier County Technical Specifications and the Details in the Plans. Removal and disposal of pipeline material must be performed in accordance with all applicable County standards.

15. Abandon Existing Water Main (15d. Remove - 6" AC and 15e. Remove - 8" AC)

- A. Measurement for removal and disposal of the existing asbestos concrete water main will be based on the laying length of the pipe in linear feet actually removed and disposed of as measured along the centerline of the pipe, including length of fittings and specials measured along the centerlines, between the limits shown on the Drawings and restraint of pipe as required by contract documents.
- B. Payment for abandoning and removing existing water main will be made at the appropriate Contract unit price per lineal foot of water main acceptably removed and disposed offsite in accordance with the Collier County Technical Specifications and the Details in the Plans. Removal and disposal of asbestos-cement (AC) pipe must be performed in accordance with all applicable County standards.

SECTION 3: DRAINAGE

16. Install 15" Pipe

- A. Measurement for drainage pipe shall be based on the horizontal laying length of the pipe in linear feet as measured from inside wall to inside wall of inlets, and accepted in accordance with the Drawings and Specifications, as measured along the center line of the completed pipe.
- B. Payment for furnishing and installing various types and sizes of storm drain pipe will be made at the contract bid for unit price per linear foot and shall include disposal of excess material, removal and disposal of existing storm culvert pipe, gravel trench, installation of pipe and fittings, silt socks, gaskets, all equipment, installation of gravel water quality trenches as specified in the plans, swale grading (from edge of pavement to right-of-way), any incidental regrading, and all other incidentals necessary to complete the installation as specified. Repair of silt sock shall be per manufacturer's recommendations and as approved by the County, CEI, and EOR. Only Reinforced Concrete Pipe (RCP) shall be installed under County Maintained asphalt roadways. Any ADS drainage pipe shall have a smooth interior and annular exterior corrugations. Storm drain material shall conform with latest edition of the FDOT Standard Specifications for Road and Bridge Construction and be in accordance with Collier County Right of Way Standards and per the contract documents.

17a. Install Drainage Structures (Junction Box)

- A. Measurement for the construction of drainage structures shall be based on the number of drainage structures actually installed and accepted.
- B. Payment for furnishing and installing the drainage will be made at the contract bid unit price per structure installed, including, disposal of excess material, inlet bottom, sump, field adjustments, cutting, concrete reinforcement work, riser (if required), frame, adjustments, galvanized chain, bolt, nuts, washers, and hardware; concrete weir plates, pipe connections, grate or cover, swale grading (from edge of pavement to right-of-way), any incidental regrading, and all transportation, labor equipment and all other incidentals required to construct the new structure complete in place. Drainage structure shall conform with latest edition of the FDOT Standard Specifications for Road and Bridge Construction and be in accordance with Collier County Right of Way Standards and per the contract documents.

17b. Install Drainage Structures (Type C Inlet)

- A. Measurement for the construction of drainage structures shall be based on the number of drainage structures actually installed and accepted.
- B. Payment for furnishing and installing the inlet will be made at the contract bid unit price per inlet installed, including, disposal of excess material, inlet bottom, sump, field adjustments, cutting, concrete reinforcement work, riser (if required), frame, pipe connections, adjustments, galvanized chain, bolt, nuts, washers, and hardware; concrete weir plates, grate or cover, swale grading (from edge of pavement to right-of-way), any incidental regrading, and all transportation, labor equipment and all other incidentals required to construct the new inlet structure complete in place. Type C Inlet shall conform with latest edition of the FDOT Standard Specifications for Road and Bridge Construction and be in accordance FDOT Standard Plans Index 425-052.

17c. Install Drainage Structures (In-Line Drain)

- A. Measurement for the construction of LDs shall be based on the number of LDs actually installed and accepted.
- B. Payment for furnishing and installing LDs shall be made at the unit price for each LD (inline or offset) furnished and installed. Payment will be full compensation for all drains, including side drain adaptors, grading/regrading, fittings, adaptors, and all transportation, labor, equipment, swale grading (from edge of pavement to right-ofway), any incidental grading/regrading, and all other incidentals required to install the LDs as shown on the Drawings. LD rim elevations depicted in the drawings are approximate, the exact rim elevations shall be field determined per the maximum slopes as defined in the contract documents.

17d. Install Drainage Structures (15" Mitered End Section)

- A. Measurement for the construction of drainage structures shall be based on the number of drainage structures actually installed and accepted.
- B. Payment for furnishing and installing the mitered end section will be made at the contract bid unit price per mitered end section installed, including, disposal of excess material, field adjustments, cutting, concrete reinforcement work, adjustments, swale

grading (from edge of pavement to right-of-way), any incidental regrading, and all transportation, labor equipment and all other incidentals required to construct the new inlet complete in place. Mitered End Sections shall conform with latest edition of the FDOT Standard Specifications for Road and Bridge Construction and be in accordance FDOT Standard Plans Index 430-022.

SECTION 4: WASTEWATER IMPROVEMENTS

18a. Restore Sewer Cleanout (Cleanout found in field)

- A. Measurement for Restore Sewer Cleanouts, except as otherwise specified, will be based on the number of sewer cleanouts acceptably restored.
- B. Payment for restoring sewer cleanouts by replacing or adding a concrete pad and ring and covers will be made at the appropriate Contract unit price per cleanout restored, acceptably installed, including all necessary fittings, protection of existing utilities and facilities, locating existing sewer laterals, maintaining sanitary sewer service at all times, removal and replacement of landscaping, including private property landscaping and restoration, pavement, sidewalks and other surface materials not specifically designated in the another pay item, and all other work required for a complete installation. Sanitary sewer clean outs shall be adjusted per the Clean-out Adjustment detail.

18b. Restore Sewer Cleanout (Cleanout NOT found in field)

- A. Measurement for Restore Sewer Cleanouts, except as otherwise specified, will be based on the number of sewer cleanouts acceptably located and restored.
- B. Payment for restoring sewer cleanouts by replacing or adding a concrete pad and ring and covers will be made at the appropriate Contract unit price per cleanout located, restored and acceptably installed, including all necessary fittings, protection of existing utilities and facilities, locating existing sewer laterals, maintaining sanitary sewer service at all times, removal and replacement of landscaping, including private property landscaping and restoration, pavement, sidewalks and other surface materials not specifically designated in the another pay item, and all other work required for a complete installation. Sanitary sewer clean outs shall be adjusted per the Clean-out Adjustment detail.

19. Adjust and Rehabilitate Existing Sewer Manholes

- A. Measurement for Adjustment and Rehabilitation Existing Sewer Manholes, except as otherwise specified, will be based on the number of sewer manholes acceptably repaired and adjusted.
- B. Manholes will be brought up to current Collier County Utility standards, including lining. Payment to remove and replace the rim, cover, ring(s), frame and install the protective liner on interior surface of existing 4' diameter manhole will be made at the Contract each price. This item includes all labor, materials, and equipment to remove the existing manhole components, and install the new manhole rim, cover, frame, and ring(s) in accordance with the manufacturer's recommendation and the Collier County

Technical Standards and the details in the Plans. The rim shall be adjusted to match the pavement elevation. This item also includes all labor, materials, and equipment to clean and prepare the wet well interior surface and install the protective liner in accordance with the manufacturer's recommendation to completely protect the structure from corrosion and in accordance with the Collier County Technical Standards and the details in the Plans. The coating must seal onto and around openings, and any other protrusions, and completely cover the channels and flow inverts. Refer to Appendix F of the Utility Standards Manual for County approved products.

SECTION 5: RESTORATION

20. General Restoration (including Sod and Grading)

- A. Measurement for various items covered under General Restoration will not be made for payment, and all items shall be included in the contract lump sum price.
- B. Payment for general restoration will be made at the appropriate Contract unit price per linear foot, from edge of pavement to right-of-way line, of project alignment that is acceptably restored. This item includes all labor, equipment and materials required for final grading and sod placement within the working area as directed by Collier County. Project clean-up of sidewalks, mailboxes, culverts, storm sewers, private property streetscape encroachments, irrigation, impacts to private property, and other surface materials not specifically designated in the Bid.

21. Remove/Demo Existing Driveways

- A. Measurement for removal and demolition of existing driveways will be based on the area actually removed as field measured.
- B. Payment for removing and disposing of the driveway (concrete, asphalt, gravel, etc.) will be made at the appropriate Contract Unit price per square yard of concrete, asphalt, gravel driveway, or other driveway material actually removed and disposed of. Contractor shall confirm the limits and dimensions of all driveway removal in the field with the County, CEI, and/or EOR prior to removal. No additional measurement or payment will be made for varying driveway thicknesses or material type.

22. Remove & Store Existing Brick Driveways

- A. Measurement for removal and storage of brick paver driveway will be based on the area of material actually removed and stored as field measured and shown on as-built drawings and verified by County, CEI, and/or EOR.
- B. Payment for removing and storing brick paver driveway will be made at the appropriate Contract Unit price per square yard of paver driveway actually removed including removal, protection, and storage of brick pavers. No additional measurement or payment will be made for varying driveway thicknesses or pavers set in concrete.

23. Replace Driveways

A. Measurement for installing driveway (concrete, asphalt, brick pavers) will be based on the area of material actually placed as field measured and shown on as-built drawings.

B. Payment for installing driveway (concrete, asphalt, brick pavers) will be made at the appropriate Contract Unit price per square yard of concrete (including the concrete placed for decorative and colored concrete), asphalt, or brick paver driveway actually placed for construction including furnishing of additional of additional brick pavers due to damage or to meet the specifications/drawings. Contractor to install all concrete driveways with reinforcement per Collier County standards. Contractor shall confirm the limits and dimensions of all driveway installation in the field with the County, CEI, and/or EOR prior to placement. Replace driveways to match existing elevations and materials of construction (unless shown otherwise on the Drawings or approved by the County), except dirt and gravel driveways which shall be replaced with reinforced concrete. Include surface restoration required for driveway removal and replacement and reinforcement of driveway flares in this item. No additional measurement or payment will be made for varying driveway thicknesses, subsurface preparation, subgrade, base, limerock, and stabilizing material. All driveways shall be constructed per Collier County Right of Way Standards and per the contract documents.

24. Driveway Coating & Finishes

- A. Measurement for driveway coatings, color additives, finishes, including driveway stamping, will be based on the area of material actually placed as field measured and shown on as-built drawings.
- B. Payment for driveway coatings, color additives, finishes, and driveway stamping will be made at the appropriate Contract Unit price per square yard of coatings, finishes, color additives and stamping placed including etching, preparatory work, stamping, and coating for all stamped and colored driveways. For decorative concrete coatings, payment shall include materials and labor to re-paint and re-stamp entire driveway (from EOP to end of driveway on private property) at the time of restoration, including coordination with the property owner to best match the current driveway stamp and color. Replace driveways to match existing elevations and materials of construction (unless shown otherwise on the Drawings or approved by the County). All driveways shall be constructed per Collier County Right of Way Standards and per the contract documents.

25. Roadway Restoration (Mill & Overlay)

- A. Measurement for removing and replacing street pavement surface will be based on the area actually placed as field measured and shown on as-built drawings.
- B. Payment for roadway restoration, including both milling and resurfacing, will be made at the appropriate Contract unit price per square yard. This item includes all labor, equipment, and materials to replace all pavement striping in accordance with the Collier County Specifications and the Details shown on the Plans. Coordination with Collier County ROW regarding site-specific restoration requirements should be anticipated. All striping and pavement marking shall be in accordance with current FDOT and Collier County specifications/standards unless otherwise noted in the plans all existing street signs and pavement markings impacted by construction activity shall be restored to original condition. All striping shall be thermoplastic.

26. Trench Restoration

- A. Measurement trench restoration will be based on the area of trench as field measured.
- B. Payment for trench restoration will be made at the appropriate Contract unit price per square yard. This item includes all labor, equipment, and materials to remove and replace (including all cost associated with flowable fill) all roadway base, sub-grade, and fill material accordance with the Collier County Specifications and the Details shown on the Plans required for fully restoring all road crossings made by open cut. Coordination with Collier County Right of Way regarding site-specific restoration requirements should be anticipated.

27. Sidewalk Restoration (Remove & Replace Existing)

- A. Measurement for removing, disposal, and replacing asphalt and concrete sidewalks will be based on the total square yard of material actually placed as field measured and shown on as-built drawings.
- B. Payment for removing and replacing existing concrete or asphalt walk be made at the appropriate Contract unit price per square yard. This item includes all labor, materials, and equipment to remove and replace concrete sidewalk or asphalt sidewalk in accordance with Collier County Specifications and the Plans.

28. Install New 5' Wide Concrete Sidewalk

- A. Measurement for constructing new concrete sidewalks will be based on the total square yard of material actually placed and accepted as field measured and shown on as-built drawings.
- B. Payment for construction of new concrete sidewalk to be made at the appropriate Contract unit price per square yard. This item includes all labor, materials, and equipment to form and construct 6" thick concrete sidewalk in accordance with Collier County Right of Way Standards and per the contract documents.

29. Detectable Warnings

- A. Measurement for installing detectable warning strips will be based on the total square foot of material actually placed as field measured and shown on as-built drawings.
- B. Payment for installing detectable warning strips shall be made at the appropriate Contract unit price per square foot and payment shall be full compensation for furnishing and installing detectable warnings per FDOT Standard Index 304, per ADA requirements, and as specified herein. Detectable warnings must be installed either in concrete, cast-in-place, or with concrete anchors, per manufacturer's recommendations, including detectable warning within asphalt.

30. Clearing & Grubbing

- A. Measurement for various items covered under Clearing & Grubbing will not be made for payment, and all items shall be included in the contract lump sum price.
- B. Payment for Clearing & Grubbing will be made at the contract lump sum price for the item, which price and payment shall be full compensation for the clearing and grubbing (removal and disposal) of all items within the project area, including large existing trees, not included in another pay item, including grading. This pay item does not include the removal and disposal of mailboxes, sidewalks, driveways, and roadways.

31. Earthwork

- A. Measurement for all earthwork, including excavation, fill material, and grading shall be included in the contract lump sum price.
- B. Payment for swale grading shall be made at the lump sum price for complete earthwork placement and import of fill material to complete the project per the contract documents (from edge of pavement to right-of-way). Payment will be full compensation for all grading to the elevation shown on plans minus the depth of sod (accounting for approved field modifications), disposal of excess spoils, sod, and other incidentals required to grade the swales as shown on the drawings and/or directed by the County. This pay item includes swale grading associated with the pay items for drainage pipes, catch basins, line drains, junction boxes, yard drains, connections to existing storm structures, modifications to existing storm structures, and miter end sections.

32. Private Property Tree Removal

- A. Measurement for private property tree removal will be based on the number of trees removed and disposed of as determined by the County, CEI and EOR.
- B. Payment for removal and disposal of private property trees as determined by the County, CEI, and EOR shall be made at the Contract unit price which price and payment shall be full compensation for determination of trees to be removed based on location, species, and potential to impact to utilities within the ROW, coordination with the homeowner, removing and disposing of the tree, topping where required, adjustment, removal of the remaining stump to a minimum depth of 6 inches below finished grade, filling, installation of topsoil, and restoration of the removed area with sod and root treatment (if required).

33. Private Property Tree Replacement

- A. Measurement for private property tree replacement will be based on the number of trees furnished, installed, and accepted as determined by the County, CEI and EOR.
- B. Payment for replacement of private property trees that are furnished and installed to replace existing trees directed to be removed on private property by the County and directed by the County to install a replacement tree on private property shall be made at the Contract unit price which price and payment shall be full compensation for furnishing and installing trees on private property as directed by the County. This item includes coordination with the property owner, furnishing and installing the tree (up to 4-inch caliper trunk diameter, Shady Lady black olive, Wild Tamarind, Sweetbay Magnolia, Oak, Gumbo Limbo, or Mahogany), staking/guying trees, grading, filling, installation of topsoil, sod, and watering to establish growth (as required). No trees are to be removed or replaced on private property without written direction from the County.

34. Replace Mailboxes

A. Measurement for various items covered under Remove, Dispose, and Replace Mailboxes will be based on the number of mailboxes installed and accepted.

B. Payment for removing, disposing, and furnishing and installing the new mailboxes will be made per Contract unit price which price and payment shall be full compensation for removal and disposal of existing mailboxes, adjustment, furnishing and installation of breakaway posts (single or double mailbox posts), concrete, and new mailboxes. This item also includes reinstalling the existing mailboxes as needed until the end of the project and maintaining the mailboxes per USPS guidelines and standards. Each temporary and new mailbox shall be installed per USPS guidelines and standards and as shown herein and include address numbering. New mailboxes shall include engineered high performance grade vinyl 2"x1" address numbering (reflective black and silver/white finish) to provide enhanced visibility. The engineered high performance vinyl numbers shall be weather and fade resistant, designed to resist tearing and peeling damage from high temperatures and full sun exposure, and be rated for 6 years of use.

END OF SECTION

SPECIAL PROJECT PROVISIONS

CARLTON STREET SIDEWALKS AND UTILITY IMPROVEMENTS

- 1. Storage of material within the right-of-way is not allowed, unless approved by Collier County. If allowed, no material shall be stored within the roadway clear zone.
- 2. The Contractor shall be responsible for obtaining equipment and material staging/storage lots/areas and all necessary permits, ROW, and temporary construction access. For storage areas, the Contractor shall:
 - a. Provide a copy of all Agreement to the County and Engineer of Record.
 - b. Obtain a ROW permit for the storage area.
 - c. Obtain a Temporary Use Permit for the storage area.

Additional conditions/restrictions of staging/storage lot(s):

- d. No storage of excavated material (pipe, structure, concrete, asphalt) in/on staging/ storage lot(s).
- e. No demolition activities including but not limited to processing, sorting, consolidating of pipe, structure, concrete, or asphalt material in/ on staging/ storage lot(s).
- f. Storage/ staging lot(s) shall meet the following minimum requirements:
 - i. Twenty- four (24) feet wide temporary asphalt driveway from the EOP to at least fifty (50) feet into the property. Asphalt driveway shall be 1" of SP 9. 5 with Optional Base Group 1 (4" of limerock). The contractor shall maintain the temporary surface throughout the duration of the project.
 - ii. Six (6) feet tall chain link fence installed around the entire staging area with five (5) feet setback from side and rear property lines (no setback required at ROW line) and continuous 72" tall privacy/wind barrier/screen (green or black) on all sides, including front and gate. The contractor shall maintain the fence and privacy screen throughout the duration of the project.
 - iii. Lockable access gate.
 - iv. Accessing/utilizing the storage/ staging lot(s) only between 7 am and 7 pm Monday Saturday), except for emergency work.
 - v. No after hour access. All materials for Owner approved work between 7 pm and 7 am shall be delivered to the work site between 7 am and 7 pm, except for emergency work.
 - vi. Maintained daily including, but not limited to: mowing and weeding, litter removal, fence and screen repair as needed, and daily sweeping and dust control.
- 3. Two (2) weeks prior to beginning construction, the Contractor shall locate by pot holing or soft digging all utilities within the limits of the project (including sanitary sewer laterals at the ROW line) and provide the County, EOR, and CEI a report (before construction) of the findings at each location that includes the station and offset, location, utility type, depth from grade, size, material, date, time, and a minimum of two (2) pictures (an overall site picture and a picture of

the utility found). The Contractor shall mark the found utility with a wooden lath and ribbon, with the utility type found, size, and depth written on the lath. This shall be reviewed with the County and Engineer to allow adjustment of mains as required to minimize conflicts. If the Contractor fails to complete this requirement, Contractor payment applications will not be approved.

- 4. All driveways shall be restored to their previous condition or better, according to Collier County Standards. Gravel, dirt, and concrete driveways shall be replaced with reinforced concrete to the edge of the right-of-way and asphalt driveways shall be replaced with asphalt to the edge of the right-of-way, unless otherwise specified on the plans. Concrete driveways shall have a thickened apron and reinforcements on the apron as shown in the plans to prevent cracking. Existing brick pavers shall be placed on pallets, wrapped, and stored onsite to prevent damage. If additional brick pavers are required for restoration, the Contractor shall coordinate with the property owner, County, and CEI to ensure an acceptable matching brick paver is ordered by the Contractor. Decorative and colored concrete driveways shall be restored with color and pattern matching the existing driveway. If a matching color or stamp is unavailable, the contractor shall coordinate with the property owner, County, and CEI to ensure an acceptable (by the property owner, County, and CEI) substitute is used.
- 5. During construction, the Contractor shall keep one lane of traffic open at all times on all affected roads. Flagmen shall be utilized to assist traffic through the construction zone when two lanes of travel are not provided. Flaggers shall possess a Temporary Traffic Control (TTC) Basic Flagger Certificate per requirements set forth by the Florida Department of Transportation. Access onto existing streets and drives shall be maintained to local traffic, emergency vehicles, delivery vehicles, postal vehicles, public transportation, solid waste and recycling vehicles, and property owners. At all times, access must be provided to existing fire hydrants, valves, meters/backflow devices, manholes, and cleanouts.
- 6. After the first lift of asphalt is installed, all manholes shall be provided with a 1:1 (max) asphalt bevel around the ring to provide a slope for vehicle tires over the manholes.
- 7. After final paving, Contractor shall grade, as necessary, and re-sod any areas disturbed by construction activity.
- 8. Notification of road closures must be provided in writing to the Collier County Sherriff's Office and the North Collier Fire Rescue District at least 72 hours in advance of the road closures. Road Closure notification forms shall be submitted to the Collier County Growth Management Department each week. Access to each residence and business shall be maintained for emergency vehicles at all times. At no time may a roadway be blocked at two locations within one block. Contractor must provide a road closure plan and schedule for review by the County, EOR, and CEI 7 days prior to all proposed road closures.
- 9. The Contractor shall coordinate with the following agencies, above and beyond the Collier County Road Alert, throughout the duration of construction: USPS, Collier County Sherriff's Office, Fire Department and EMS, Waste Management (garbage and recycling), and Collier

- County Public Schools (school bus routes). Additionally, if required by the USPS, a "mailbox bank" shall be installed by the Contractor at no additional charge.
- 10. The Contractor shall notify Collier County Utilities Department at least ten (10) calendar days in advance of all planned service interruptions and receive County Project Manager's approval before proceeding with planned interruptions.
- 11. Contractor shall assume all existing mains are unrestrained at the connection points and will restrain the mains in accordance with the Collier County Water-Sewer District, Utilities Standards Manual.
- 12. Work shall be limited to 7:00 AM to 7:00 PM Monday through Saturday. Saturday work requires approval by the Collier County Project Manager, the Contractor must request Saturday work by 12:00 PM on the Thursday before Saturday work is proposed. No work shall be permitted on Sundays and County Holidays without prior approval. Please see the following link for Collier County's Holidays:

 https://www.colliervotes.gov/Portals/Collier/Documents/pdf/2021-2022%20Elections/Holiday%20Schedule%202022.pdf?ver=dIT_Ra3Jem74KXZZRkkpnA%
- 13. Contractor's site superintendent(s) must attend all meeting relating to the project, including, but not limited to progress meetings, neighborhood information meetings, on-site meetings, and any other meeting deemed necessary by Collier County.
- 14. All Collier County Water-Sewer District, Utilities Standards (design criteria, specifications, and details) are applicable to this project and are made part of the Contract Documents by reference to current County Utilities Standards, located at the following web address: https://www.colliercountyfl.gov/government/public-utilities/water-sewer-district/engineering-and-project-management/resources. In the event of a conflict between any applicable standard and these specifications and drawings, the more stringent requirement shall apply.
- 15. Contractor shall be responsible for all costs associated with installing and testing of all compact fill materials and road base and sub-base to avoid future settlement. Within paved areas, at a minimum, backfill and compaction shall be per detail FDOT Index 125-001 and Specifications Section 125. Perform compaction density tests at all such backfill areas with spacing not to exceed 100 feet apart and on each compacted layer for paved areas.
 - For unpaved areas, compaction shall be per FDOT Index 125-001 and testing shall take place a minimum of every 500 feet, or a minimum of one test per every section of pipe laid. Compaction testing density shall be per ASTM D 1557.
- 16. Contractor shall be responsible for all inspection and testing unless otherwise specified. For tests to be made by the Contractor, the testing personnel shall make the necessary inspections, furnish all material and equipment to properly perform the testing, and furnish all results to Collier County for acceptance of all equipment and installation as required.

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- 17. Contractor shall be responsible for the cost of all testing as required.
- 18. New water main and service piping (from main to curb stop at meter) shall be constructed, pressure tested, flushed (full bore), and bacteriologically cleared for FDEP clearance.
- 19. Contractor to pre-test all pressure piping and meet AWWA C600-17 (or current edition) allowable loss standards for a minimum of one hour before commencing the pressure test.
- 20. The Contractor shall provide for review by the Owner and Engineer a detailed sequence of construction that identifies how new gravity sewer and service laterals will be installed, as well as system testing, while keeping the existing system in service.
- 21. Clearing and grubbing shall be limited to work areas only. Contractor shall be responsible for restoring all areas disturbed by his work. All disturbed areas shall be restored to preconstruction conditions. Contractor shall be required to water vegetation replaced until established/rooted.
- 22. Trees and shrubs within the work area shall be removed as directed by Collier County and/or the property owner. Irrigation shall be fully restored from ROW to ROW. No additional payment shall be made for restoration per the ROW standards.
- 23. All fences damaged/removed outside the limits of the ROW shall be restored to their original conditions.
- 24. In accordance with the Collier County requirements, a pre-construction video (dry and wet conditions) shall be taken with copies provided to the County and Engineer. Contractor shall supplement these videos with still photographs (in addition to the pictures required in the Pre-Construction Assessment Forms) as necessary to reflect existing conditions. This shall include but not be limited to sod type, driveways and driveway culvert, and driveway conditions from the ROW to the property structure. The Contractor may be required to restore private properties to conditions better than existing, at no additional cost to the County, if the Contractor fails to sufficiently document existing conditions.
- 25. Prior to beginning construction, the Contractor shall submit for each property a Pre-Construction Assessment Form prior to commencement for the phase of work during which the property will be impacted. The Pre-Construction Assessment Form is included in Section IX of this document. An editable electronic version of the form will be provided to the Contractor. Each form shall be prepared electronically and submitted as an un-editable PDF to the County. The file name shall reflect the property address in the following format: Street Name, Property Number (i.e. Carlton Street, xxx.PDF) Duplexes and properties with multiple addresses per legal parcel shall be submitted as separate sheets in the following format: Street Name, Legal Property Number, Type of residence (duplex, apartment, etc.), Street Number on building (i.e. Carlton Street xxx, Duplex xxx.PDF).

- 26. Contractor shall be responsible for all construction layout and preparation of Record Drawings in accordance with County requirements. This shall include but not be limited to water main, valves, fire hydrants and services, gravity sewer laterals, approved changes, and stormwater.
- 27. Contractor shall contact all utility suppliers, including but not limited to Collier County, Comcast, Summit Broadband, Inc., Florida Power & Light, and CenturyLink for locating of their facilities. Contractor shall coordinate with these utilities for protection and adjustment of their facilities as needed. All costs shall be included in individual bid items.
- 28. Contractor shall be responsible for all Maintenance of Traffic for the project. Maintenance of Traffic shall be in accordance with the FDOT Standard Index 102-600 series and the Manual of Uniform Traffic Control Devices (MUTCD, Part VI) current edition. Existing traffic conditions may warrant night work. If night work is required, the Contractor will be responsible for proper MOT at no additional cost.
- 29. All sign related work to be coordinated with Felix Burgos, 239-252-5179, to maintain integrity of our Sign asset database. Contractor to follow Traffic Operations Signing and Pavement Markings Special Provision details which indicate using a 2.5" x 2.5" galvanized metal square tubular sign post.
- 30. The Contractor shall replace all signs with new signs, posts, and hardware to meet current Collier County and FDOT specifications/standards. All removed signs shall be returned to Collier County Traffic Operations at 2885 Horseshoe Drive South, Naples, FL 34104.
- 31. Contractor shall replace striping to meet current Collier County and FDOT specifications/standards; all striping shall be thermoplastic.
- 32. The Contractor shall be responsible for maintaining all work areas in a safe and clean manner as identified in the County Utilities Standards Manual. This shall include but not be limited to daily watering and intermediate watering as needed of bare soil roadways and sweeping of roadway and sidewalk surfaces.
- 33. Pedestrian access and transit shall be provided at all times during construction and restoration (permanent or temporary) of the sidewalks on the north/south streets must be completed within 7 calendar days of the sidewalk being removed. Temporary sidewalk restoration shall be firm, stable, and slip resistant (compacted limerock or asphalt).
- 34. If road/driveway dewatering ramps are utilized at roadways/driveways, the contractor shall provide barricades on either side of the ramps to protect/warn vehicles from driving over manifolds/connection sections on either side of all ramps.
- 35. All excavation shall be unclassified with no additional payment to be made for rock, unsuitable material, dewatering. The Contractor shall be responsible for making his own site observations and exploration to determine site conditions prior to bidding.

- 36. The Contractor shall prepare and provide for review by the Owner and Engineer an MOT Plan, Asbestos Removal Plan, Tropical Storms and Hurricanes Plan, Sewer Bypass Plan, and Safety Program/Risk Management Program prior to construction commencement.
- 37. The contractor is responsible for providing a third-party independent consultant to perform vibration monitoring adjacent to existing homes and structures during all construction activities. The monitoring equipment shall be located within the equipment manufacturers allowable tolerance distance from construction activities at all times. All monitoring shall be done at the limits of the right-of-way. Reports shall include location of the equipment, time, and maximum PPV, either once per day, if the vibration monitor is not relocated, or upon each relocation of the vibration monitoring device. Upon either detecting vibration levels reaching 0.5 inches per second or damage to the structure, immediately stop the source of vibrations, backfill any open excavations, notify the Engineer and provide a corrective action plan for acceptance by the Engineer. Vibration monitoring and reporting shall follow the U.S. Bureau of Mines standards and reports shall be signed and sealed by a State of Florida Professional Engineer and delivered weekly to the County, EOR, and CEI. The Contractor's qualified subcontractor shall be the only party allowed to determine the proper location for monitoring and setting up the vibration monitoring equipment. Vibration monitoring reports, signed and sealed, shall include a statement whether or not the recorded levels met or did not meet 0.5 inches per second and the recommended levels stated in the U.S. Bureau of Mines, R18507 Structural Response and Damage Produced by Ground Vibration from Blasting. If at any time a structural damage complaint is received by the County, the Contractor shall, within 2 business days provide, a signed and sealed vibration monitoring report for the affected area.
- 38. The Contractor is responsible for restoration of areas damaged outside of the work area if the damage is a result of the construction including, but not limited to, detours and construction traffic non-contiguous to the project area, offsite construction storage areas, receiving water bodies, etc.
- 39. The Contractor shall conform to the requirements in Collier County Ordinance 2019-17: An Ordinance providing for establishment of a water pollution control and prevention ordinance, providing for repeal of Ordinance No. 87-79, as amended, and resolution No. 88-311: providing for inclusion in the Code of Laws and Ordinances; providing for conflict and severability; and providing for an effective date. This includes within the project area and outside of the project area, i.e. storage/staging lot(s).
- 40. It is recommended that the Contractor review and follow the recommendations for field measuring turbidity in the following FDEP SOP FT1600: https://www.youtube.com/watch?v=k6x22q9uoAY&feature=youtu.be
- 41. The Contractor shall coordination with all other Contractors within the project limits for work within the ROW and/or private property and shall make accommodations to not inhibit work by other Contractors.

PERMITS

CARLTON STREET SIDEWALKS AND UTILITY IMPROVEMENTS

- 5.1 Collier County Right of Way Permit No. PRROW2024041433301
- 5.2 FDEP Permit No. 365281-210-DS



Date Approved: June 24, 2024 Right-of-Way Permit Number: PRROW2024041433301

SDP/AR/PSP Number: N/A Building Permit Number: N/A

Project Name: Water main, drainage, sidewalk on Carlton St. CCPUD

Project Address: Carlton St, Naples

Subdivision: Naples Manor Addition/Naples Manor Exten Lot: Block: Unit: Tract:

Folio No: N/A Section: 29 Township: 50 Range: 26

Type of Construction: ROW Commercial

Detail: Collier County Public Utilities Install water main, drainage, and sidewalk improvements within the Carlton St. ROW in Naples Manor

The project will run along Carlton ST in the ROW.

THIS PERMIT IS VALID FOR A PERIOD OF SIX (6) MONTHS FROM THE DATE OF ISSUANCE.

Please refer to Collier County Portal for issuance and expiration dates.

Property Owner: Contractor:

COLLIER COUNTY - Benjamin N. Bullert, P.E. 3339 TAMIAMI TRAIL E, SUITE 303

NAPLES, FL 34112

Telephone Number: (239) 252-2583

Applicant:

Jared Brown, Johnson Engineering, Inc.

2350 Stanford Ct. Naples, FL 34112

Telephone Number: (239) 434-0333

- 1. Work shall be performed in accordance with approved plan, stipulations specified as part of this permit and in accordance with Collier County Ordinance # 09-19 and the "Public Right-of-Way Construction Standards Handbook," latest edition.
- 2. Applicant declares that prior to filing this application he has ascertained the location of all existing utilities, both aerial and underground. Any changes to any utility shall be the responsibility of the Permittee for all cost.
- 3. If right-of-way permit is issued in conjunction with a residential building permit, the right-of-way permit expires upon completion of the residential building.

N/A

- 4. If the application is made by any person or firm other than the owner of the property involved, a written consent from the property owner shall be required prior to processing of the application.
- 5. Approval of this permit does not exempt the permittee from gaining approval from any State, Federal or Local Agencies having jurisdiction over the proposed work.
- 6. This permit is contingent upon Permittee obtaining necessary rights of entry for construction and maintenance where required right-of-way for public use has not been dedicated and accepted by Collier County.

Condition: All other applicable state or federal permits must be obtained before commencement of the development.

Condition: Informational - Use the form located at

https://www.colliercountyfl.gov/home/showdocument?id=105797&t=638403984984558370 to request Permit extensions, cancellations, and changes/withdrawals of Contractors, Subcontractors and Qualifiers. Instructions are provided with the form. Right-of-Way (ROW) and Well permits may only use this process for cancellations. Change/withdrawal of contractor does not apply to self-issued permits. Contact Building Permit Resolution Services at 239-252-2493 for assistance completing the form. Submit the form by clicking the Browse button below.

Condition: Stipulation - The required inspections shall be scheduled through the CityView Portal. You must be signed in as a registered user to schedule an inspection.

Condition: Stipulation - Before commencement of any excavation, the existing underground utilities in the area affected by the work must be marked by Sunshine One Call, in accordance with State Statute Chapter 556 "Underground Facility Damage Prevention and Safety", after proper notification to them by either calling 811 in Florida or toll free at 1-800-432-4770. Visit www.callsunshine.com for more information. Before commencing excavation for the work, potholing of all potential conflicts must be performed.

Condition: Stipulation - Sunshine 811 Damage Prevention Guide: Chapter 556, F.S., sets a tolerance zone that extends 24 inches from the outer edge of each side of an underground facility. Locate marks show the approximate location of an underground facility. To be sure where that facility is located, you must expose it using a method below:Hand digging at an angle toward the facilityPot holingSoft diggingVacuum excavation methodsOther similar proceduresExposing the facility lets you see the facility size and the clearance you need to maintain during excavation. Digging within the tolerance zone requires special precaution and using mechanized equipment requires a spotter. Within existing pavement, soft digging will be required after removal of pavement associated with a permitted open-cut.

Condition: CO Hold - As Built Drawings are required prior to final inspection for all Commercial ROW permits. The as-built drawings may be submitted through the CityView Portal Conditions Tab - click "Browse" to upload the documents. You must be signed into the CityView Portal as a registered user to upload the document.

Condition: Stipulation - Please provide a revised ROW permit application directly to the ROW Reviewer upon selection of the contractor so they may be added to the permit record. Please ensure the contractor is Licensed with Collier County Contractor Licensing prior to submittal.

Condition: Informational - The pipe material is not specified on the plans to allow the County flexibility at the time of bidding. Pipe availability and cost will factor into the County's final material selection.

<u>Please visit the CityView portal located at https://cvportal.colliercountyfl.gov/cityviewweb to schedule the inspections listed below.</u>

Please plan accordingly when scheduling inspections and schedule well in advance of when needed or permit expiration dates.

830 - 72 Hr Notice of (1st) Proceeding with Work

800 - Right-Of-Way Final Inspections

Disclaimer: Issuance of a development permit by a county does not in any way create any rights on the part of the applicant to obtain a permit from a state or federal agency and does not create any liability on the part of the county for issuance of the permit if the applicant fails to obtain requisite approvals or fulfill the obligations imposed by a state or federal agency or undertakes actions that result in a violation of state or federal law.

SEE GENERAL CONDITIONS OF RIGHT-OF-WAY PERMITS

GENERAL CONDITIONS OF RIGHT-OF-WAY PERMITS

- 1. The permit must be kept on the work site and be available upon request or prominently displayed.
- 2. Permits are required for all work performed in any rights-of-way or easements provided for public use in the unincorporated area of Collier County and in those public rights-of-way or easements, which are maintained by Collier County, but lie within municipal boundaries.
- 3. When permitted facilities are placed within a public right-of-way or easement, the installation is for permissive use only and placing of facilities shall not operate to create or vest any property right in the associated right-of-way or easement to the permittee. Furthermore, the permittee shall be responsible for maintenance of such facilities until they are removed, unless otherwise specified.
- 4. All materials and equipment, including Maintenance of Traffic (MOT) and equipment placement, shall be subject to inspection by the Growth Management Department.
- 5. Requests for pre-inspections shall be made a minimum of 72 hours prior to commencing work requiring inspection.
- 6. No lane closures will be permitted between the hours of 7:00 9:00 A.M. and 3:30 6:30 P.M.
- 7. Prior to construction, the Contractor/Permittee shall submit a MOT plan for any construction project involving work or activity that may affect traffic on any County street, roadway or bikepath/sidewalk. The MOT plan must be signed by either a Professional Engineer or person certified by the International Municipal Signal Association (IMSA) if affecting arterial or collector Roadways, unless waived by the Growth Management Department. The driveway fill and driveway culvert including soil erosion/sedimentation control measures must be installed prior to the start of any earth moving construction activity with drainage plans, culvert size, soil erosion/sedimentation controls, elevation offset, and ditch slope designed and certified by a licensed engineer for all commercial projects.
- 8. During construction the Contractor/Permittee shall comply with the "State of Florida Manual of Traffic Control and Safe Practices for Street and Highway Construction, Maintenance, and Utility Operations" and with the "Manual On Uniform Traffic Control Devices" and with all other governing safety regulations and shall maintain the approved site drainage plan and soil erosion/sedimentation control plan.
- 9. The permittee shall hold the County harmless and the County shall be relieved of all responsibility for any damage or liability of any nature arising from work authorized and performed under the permit.
- 10. All crossings of existing pavement shall be made by jacking and boring at a minimum depth of thirty-six inches (36"), unless otherwise authorized by the Growth Management Department for good cause shown.
- 11. All overhead installations must meet a minimum four foot (4') separation to communication lines (both vertically and horizontally), minimum seven foot (7') separation to guys (both vertically and horizontally) and a minimum ten foot (10') separation to neutrals (both vertically and horizontally), and meet and/or exceed all other OSHA requirements as may be determined by OSHA clearance requirements and/or formulas relevant to overhead lines clearances and/or separations requirements (both vertically and horizontally) and all underground crossings shall be placed at a minimum depth of thirty-six inches (36") below the pavement and/or a minimum depth of twenty-four inches (24") below the designed roadside ditch or swale invert. Primary cable (voltage exceeding 500 volts) shall have minimum thirty-six inch (36") cover. Secondary cable (voltages less than 500 volts) shall have a minimum thirty-inch (30") cover. Exception may be made by authority of the Growth Management Department for good cause shown.
- 12. Two prints of the proposed work covering details of the installation shall be made a part of the permit. If additional plans are required, they shall become a part of the permit.
- 13. Following completion of all permitted work, grassing and/or seeding shall be required for any disturbed rights-of-way.
- 14. All property disturbed by work authorized by the permit must be restored to better than, or equal to, it's original condition, and to the satisfaction of the County.
- 15. Whenever deemed necessary by the County for the construction, repair, maintenance, improvement, alteration or relocation of applicable right-of-way or easement and when so notified by the County, any or all

- poles, wires, pipes, culverts, cables, sod, landscaping, driveways, sprinklers, or other facilities and appurtenances authorized shall be removed from said right-of-way or easement, or reset or relocated thereon as required, to be installed by the permit, and at the expense of the permittee, or successor and assigns.
- 16. When the permittee, or successor and assigns is notified of a need for construction, repair, maintenance, improvement, alteration of or relocation within the right-of-way or easement and no action is taken by the responsible party within the time frame specified by the County, the County shall cause the permitted work to be altered, relocated, or removed, with the total expense being borne solely by the permittee or the responsible party.
- 17. Permits shall generally be in a form approved by the Board of County Commissioners and shall include the time of commencement, the number of days the job is expected to take, and the approximate date of completion. The permit will expire one hundred and eighty (180) days after the issuance of the permit, unless authorized in the specific instance for a longer or shorter period. If the work has not been completed by the expiration date, there will be a renewal fee, set by Resolution, payable upon extending the expiration date for an additional ninety (90) days.
- 18. All correspondence regarding construction procedures will be through the permittee, or authorized agent or consultant, and not through any contractor or subcontractor.
- 19. The Permittee is responsible for obtaining necessary rights of entry for construction and maintenance where required right-of-way for public use has not been dedicated and accepted by Collier County.
- 20. If there are any lane closures or work that will impede normal traffic flow, the permit holder is obligated to inform the road alert coordinator at 239-252-8192, five business days prior to construction or as soon as possible.
- 21. All existing aerial and underground utilities shall be located by the applicant. Any changes to any utility shall be the responsibility of the Permittee for all cost.
- 22. A written consent from the property owner shall be required if the application is made by any person or firm other than the owner of the property involved.
- 23. The Growth Management Department shall be notified in writing either via form letter (to: Collier County Traffic Operations, 2885 S. Horseshoe Drive, Naples, FL 34104) or email (traffic Operations, 2885 S. Horseshoe Drive, Naples, FL 34104) or email (trafficops@colliergov.net) a minimum of 72 hours prior to the commencement of jobs that include overhead or underground work that will be conducted as part of construction or maintenance projects any and all daily work to be performed throughout the entire length of construction or maintenance projects. Any rescheduling of work shall be provided in writing. All underground utilities must be located prior to construction.
- 24. Prior to acceptance by the County (including issuance of Certificate of Occupancy), the Growth Management Department shall be notified by mailing or delivering a request for a final inspection to the ROW Permitting Section, 2800 North Horseshoe Drive, Naples, Florida 34104, or by phone, 239-252-3726, upon completion of authorized work. Signed and sealed copies of the as-built survey shall be submitted to the Growth Management Department. Additionally, all as built surveys shall be submitted in GIS format following the standards for Design and As-Built Electronic Drawings in APPENDIX B of this handbook.



Instructions to Request Changes to Contractor or Permit Status

- 1. All applicable Building Plan Review fees will need to be paid prior to contractor change or contractor withdrawal
- 2. A new **Notice of Commencement** is required for a contractor change
- 3. For owner/builder permits the owner/builder assumes the role of the contractor's tasks stated below
- 4. One form for each permit number

SCENARIO 1: EXTENSION OF AN APPLICATION OR PERMIT

- The Request Changes to Contractor or Permit Status form is required to be completed by the Contractor.
- Section A signed by the current contractor
- Section B not required
- Section C not required

SCENARIO 2: CANCELLATION OF PERMIT

- The Request Changes to Contractor or Permit Status form is required to be completed by the Contractor.
- Section A signed by the current contractor
- Section C signed by the property owner (only applicable if permit has been issued)

If Section C is not signed by the property owner, the *Letter of Notification* form must be signed by the contractor in the presence of a notary and then sent to the property owner identified on the permit by way of certified mail.

SCENARIO 3: CHANGE THE CONTRACTOR IDENTIFIED ON A PERMIT

- The Request Changes to Contractor or Permit Status form is required to be completed by the Contractor.
- Section A signed by the current contractor
 - If Section A is not signed by the current contractor, the Letter of Notification form must be signed by the
 property owner in the presence of a notary and then sent to the contractor identified on the permit by way
 of certified mail.
- Section B signed by the proposed contractor
- Section C signed by the property owner
- If the contractor is being replaced by an owner/builder, the property owner must also sign the Owner-Builder Affidavit in the presence of a Collier County notary. Contractor fills out Section A, and property owner fills out Section B and C.

SCENARIO 4: CHANGE THE SUBCONTRACTOR IDENTIFIED ON A PERMIT

- The *Request Changes to Contractor or Permit Status* form is required to be completed by the Subcontractor.
- Section A signed by the current subcontractor
 - If Section A is not signed by the current subcontractor, the *Letter of Notification* form must be signed by the
 general contractor in the presence of a notary and then sent to the subcontractor identified on the permit by
 way of certified mail.
- Section B signed by the proposed subcontractor
- Section C signed by the the general contractor's qualifier

SCENARIO 5: CHANGE OF QUALIFIER ONLY

- The Request Changes to Contractor or Permit Status form is required to be completed by the Contractor.
- Section A signed by the current qualifier
 - If Section A is not signed by the existing contractor, the Letter of Notification form must be signed by the
 general contractor in the presence of a notary and then sent to the contractor identified on the permit by
 way of certified mail.
- Section B signed by the proposed qualifier
- Section C not required



SCENARIO 6: CONTRACTOR WITHDRAWAL (CONTRACTOR REMOVES THEMSELVES WITHOUT A REPLACEMENT)

- The Request Changes to Contractor or Permit Status form is completed by the Contractor.
- Section A signed by the old contractor
 - The Letter of Notification must be sent to the property owner. The Letter of Notification form must be signed by the contractor in the presence of a notary and then sent to the property owner by way of certified mail to all addresses on file.
- Section B not required
- Section C not required

Owner is the responsible party until a new contractor has been selected. Inspections will be placed on hold until a new contractor has been attached to the permit. Once completed, confirmation will be available on the portal.

SCENARIO 7: SUBCONTRACTOR WITHDRAWAL (SUBCONTRACTOR REMOVES THEMSELVES WITHOUT A REPLACEMENT)

- The *Request Changes to Contractor or Permit Status* form is required to be completed by the Subcontractor.
- Section A signed by the current subcontractor
 - The Letter of Notification must be sent to the general contractor. The Letter of Notification form must be signed by the subcontractor in the presence of a notary and then sent to the general contractor by way of certified mail to all addresses on file.

Disclaimer (Applicable to All Scenarios)

Once the *Letter of Notification* has been delivered or attempted to be delivered, the *Request Changes to Contractor or Permit Status* form along with the *Letter of Notification* form (including a copy of the certified receipt showing the tracking number and mailing address) must be sent to the building department as proof that the contractor/owner identified on the permit has been notified. (See Sample below)

Sample

Below is an example of the Certified Mail Receipt. A copy of the Certified Mail Receipt showing the mailing address and tracking number, must be sent to the Collier County Building Department along with the *Letter of Notification* and the *Request Changes to Contractor or Permit Status* form.







Request Changes to Contractor or Permit Status

Date:	Parcel/Folio #:	Permit Number:
Job Address:		
Property Owner:		
Reason for contrac	ctor change, withdrawal, cancellation or ext	ension:
Has Work Comme	nced ?:	
Options (see ins	structions pages 1 and 2)	
☐ Scenario 1: Ext	ension of application or permit	
☐ Scenario 2: Car	ncellation of	
☐ Scenario 3: Cha	ange of Contractor	
Additional	portal account names:	
☐ Change	e of Contractor using existing subs	☐ Change of Contractor using new subs
☐ Scenario 4: Cha	ange of Subcontractor	
☐ Scenario 5: Cha	ange of Contractor's Qualifier only (exact s	ame company name)
☐ Scenario 6: Cor	ntractor Withdrawal only (contractor has no	t been replaced)
☐ Scenario 7: Sub	ocontractor Withdrawal (subcontractor has	not been replaced)
Section A: Exist	ing Contractor (Subcontractor Signatu	re for Change of Subcontractor only)
Letter of Notificati	on is not applicable for extensions	
Signature of Curren	t Owner/Builder/Qualifier:	
Printed Name of Cu	ırrent Qualifier:	
State License Numb	per:	Phone #:
Printed Business Na	ame:	
	County of	□ physical presence or □ online notarization this day of
	20, by (printed name of owner or qualifier)	
	y Public must check applicable box:	Must Comply with Notarial Law
☐ Are personally kno	own to me urrent drivers license	
•	as identifica	INUIALV SEAL
Notary Signature:		



Section B: Proposed Contractor Signature

I acknowledge that I shall assume full responsibility for the work completed by the previous contractor/qualifier and hold Collier County, its agents, employees and elected officials harmless and without liability for the removal of my previous contractor and any work performed before, during and after such removal.

Signature of Proposed Contractors Qualifier:	
Printed Name of Proposed Contractors Qualifier:	
State License Number:	Phone #:
Printed Business Name:	
State of County of	
The foregoing instrument was acknowledged before me by means of, 20, by (printed name of owner or qualifier)	
Such person(s) Notary Public must check applicable box:	Must Comply with Notarial Law
 ☐ Are personally known to me ☐ Has produced a current drivers license ☐ Has produced as identification 	
Notary Signature:	
Section C: Property Owner Signature (General Contractor: Signature of Property Owner/General Contractor: Printed Name of Property Owner/General Contractor:	
Printed Business Name:	
State of County of The foregoing instrument was acknowledged before me by means of [, 20, by (printed name of owner or qualifier) _	\square physical presence or \square online notarization this day of
Such person(s) Notary Public must check applicable box:	Must Comply with Notarial Law
 □ Are personally known to me □ Has produced a current drivers license □ Has produced as identificat 	ion. Notary Seal
Notary Signature:	



Letter of Notification

Request Date:	Permit Number:			
Property Owner Name:				
	Qualifier Name:			
This letter is to inform the Collie Select one:	r County Building Official, and Contractor, that	I:		
☐ Request as subcontractor to be withdrawn from the permit				
☐ Request to remove the current contactor from the permit and replace with new				
☐ Request to remove the current subcontractor on the permit and replace with new				
This letter is to inform the Collier County Building Official, and Property Owner, that I: Select one:				
☐ Request to cancel the	☐ Request to cancel the permit or revision			
☐ Request as contractor	☐ Request as contractor to be withdrawn from the permit			
	is completed, the owner will assume responsib ide the owner/builder affidavit and documentati e, Withdrawal, Cancellation:	-		
Printed Name of Property Owner/General Contractor:				
	County of			
The foregoing instrument was acknowledged before me by means of \Box physical presence or \Box online notarization this day of, 20, by (printed name of owner or qualifier)				
Such person(s) Notary Public must ch	·	Must Comply with Notarial Law		
☐ Are personally known to me				
☐ Has produced a current drivers lice ☐ Has produced	ense as identification.	Notary Seal		
•				

SECTION 5.2



FLORIDA DEPARTMENT OF Environmental Protection

Ron DeSantis Governor

Jeanette Nuñez Lt. Governor

Shawn Hamilton Secretary

South District PO Box 2549 Fort Myers FL 33902-2549 SouthDistrict@FloridaDEP.gov

In the matter of an Application for Permit by:

Collier County Regional WTP
Howard B. Brogdon, Water Division Director
3339 Tamiami Trail East, Suite 303
Naples, FL 34112
Howard.Brogdon@colliercountyfl.gov

Permit No.: 365281-210-DS County: Collier County

Project Name: Carlton Street Sidewalks and

Utility Improvements **PWS ID:** 5114069

NOTICE OF PERMIT ISSUANCE

Enclosed is Permit Number 365281-210-DS to construct the subject water main extensions, issued pursuant to Section 403.861(9), Florida Statutes.

NOTICE OF RIGHTS

This action is final and effective on the date filed with the Clerk of the Department unless a petition for an administrative hearing is timely filed under Sections 120.569 and 120.57, F.S., before the deadline for filing a petition. On the filing of a timely and sufficient petition, this action will not be final and effective until a subsequent order of the Department. Because the administrative hearing process is designed to formulate final agency action, the subsequent order may modify or take a different position than this action.

Petition for Administrative Hearing

A person whose substantial interests are affected by the Department's action may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. Pursuant to Rules 28-106.201 and 28-106.301, F.A.C., a petition for an administrative hearing must contain the following information:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, any e-mail address, any facsimile number, and telephone number of the petitioner, if the petitioner is not represented by an attorney or a qualified representative; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;
- (c) A statement of when and how the petitioner received notice of the agency decision;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts that the petitioner contends warrant reversal or modification of the agency's proposed action;
- (f) A statement of the specific rules or statutes that the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wishes the agency to take with respect to the agency's proposed action.

PWS ID: 5114069

Permit No.: 365281-210-DS

The petition must be filed (received by the Clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at Agency Clerk@FloridaDEP.gov. Also, a copy of the petition shall be mailed to the applicant at the address indicated above at the time of filing.

Time Period for Filing a Petition

In accordance with Rule 62-110.106(3), F.A.C., petitions for an administrative hearing by the applicant and persons entitled to written notice under Section 120.60(3), F.S., must be filed within 14 days of receipt of this written notice. Petitions filed by any persons other than the applicant, and other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 days of publication of the notice or within 14 days of receipt of the written notice, whichever occurs first. You cannot justifiably rely on the finality of this decision unless notice of this decision and the right of substantially affected persons to challenge this decision has been duly published or otherwise provided to all persons substantially affected by the decision. While you are not required to publish notice of this action, you may elect to do so pursuant Rule 62-110.106(10)(a).

The failure to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C. If you do not publish notice of this action, this waiver may not apply to persons who have not received a clear point of entry.

Extension of Time

Under Rule 62-110.106(4), F.A.C., a person whose substantial interests are affected by the Department's action may also request an extension of time to file a petition for an administrative hearing. The Department may, for good cause shown, grant the request for an extension of time. Requests for extension of time must be filed with the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at <a href="majority-agents-agents-selection-sel

Mediation

Mediation is not available in this proceeding.

Judicial Review

Once this decision becomes final, any party to this action has the right to seek judicial review pursuant to Section 120.68, F.S., by filing a Notice of Appeal pursuant to Florida Rules of Appellate Procedure 9.110 and 9.190 with the Clerk of the Department in the Office of General Counsel (Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000) and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice must be filed within 30 days from the date this action is filed with the Clerk of the Department.

Collier County Regional WTP Page 3 of 3

PWS ID: 5114069

Permit No.: 365281-210-DS

EXECUTION AND CLERKING

Executed in Lee County, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Ryan Snyder

Permitting Program Administrator

Attachment:

Permit No.: 365281-210-DS

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this document and all attachments were sent on the filing date below to the following listed persons:

Benjamin N. Bullert, P.E., Benjamin.Bullert@colliercountyfl.gov Michael Scott Dickey, P.E., MSD@johnsoneng.com

FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to Section 120.52, F. S., with the designated Department Clerk, receipt of which is hereby acknowledged.

> June 11, 2024 Clerk Date



FLORIDA DEPARTMENT OF Environmental Protection

Ron DeSantis Governor

Jeanette Nuñez Lt. Governor

Shawn Hamilton Secretary

South District PO Box 2549 Fort Myers FL 33902-2549 SouthDistrict@FloridaDEP.gov

Collier County Regional WTP
Howard B. Brogdon, Water Division Director
3339 Tamiami Trail East, Suite 303
Naples, FL 34112
Howard.Brogdon@colliercountyfl.gov

Water Supplier: Collier County Regional WTP

PWS ID: 5114069

Permit No.: 365281-210-DS Issue Date: June 11, 2024 Expiration Date: June 10, 2029

County: Collier County

Project Name: Carlton Street Sidewalks and

Utility Improvements

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-550, and 62-555. The above-named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawings, plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

TO CONSTRUCT: Replacement of 2-inch watermain with 8-inch watermain along Carlton Street

PROPOSED CONSTRUCTION INCLUDES: 900 LF of 8-inch PVC (DR-18) watermain.

IN ACCORDANCE WITH: Johnson Engineering, Inc., design drawings, sheet numbers 01 through D-04, dated May 1, 2024. The application was submitted on June 10, 2024. In support of the construction application, design drawings were submitted on the same date.

LOCATION: Project located in Naples, Collier County, Florida. In Section 50, Range 26E Township 29S.

Work must be conducted in accordance with the General and Specific Conditions, attached hereto.

GENERAL CONDITIONS:

The following General Conditions are referenced in Florida Administrative Code Rule 62-4.160.

- 1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, F.S. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
- 2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
- 3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private

Page 2 of 6 Permit No.: 365281-210-DS

property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.

- 4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
- 5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties; therefore, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
- 6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, are required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
- 7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:
 - a. Have access to and copy any records that must be kept under conditions of the permit;
 - b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
 - c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules. Reasonable time may depend on the nature of the concern being investigated.
- 8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
 - a. A description of and cause of noncompliance; and
 - b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages, which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.
- 9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Section 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

Page 3 of 6 Permit No.: 365281-210-DS

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard.

- 11. This permit is transferable only upon Department approval in accordance with Rule 62-4.120 and 62-730.300 F.A.C., as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department.
- 12. This permit or a copy thereof shall be kept at the work site of the permitted activity.
- 13. This permit also constitutes:
 - a. Determination of Best Available Control Technology (BACT)
 - b. Determination of Prevention of Significant Deterioration (PSD)
 - c. Certification of compliance with state Water Quality Standards (Section 401, PL 92-500)
 - d. Compliance with New Source Performance Standards
- 14. The permittee shall comply with the following:
 - a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
 - b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
 - c. Records of monitoring information shall include:
 - 1. the date, exact place, and time of sampling or measurements;
 - 2. the person responsible for performing the sampling or measurements;
 - 3. the dates analyses were performed;
 - 4. the person responsible for performing the analyses;
 - 5. the analytical techniques or methods used;
 - 6. the results of such analyses.
- 15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law, which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

SPECIFIC CONDITIONS:

1. The Permittee shall retain service a Florida-licensed professional engineer in accordance with subsection 62-555.530(3), F.A.C., to take responsible charge of inspecting construction of the project

Page 4 of 6 Permit No.: 365281-210-DS

for the purpose of determining in general if the construction proceeds in compliance with the permit, including the approved preliminary design report or drawings and specifications for the project.

- 2. Permittee shall maintain vertical clearance and horizontal separation between water mains and sanitary sewers, storm sewers, etc. unless approved otherwise by the Department, as provided in Rule 62-555.314, F.A.C., and Section 8.6 of Recommended Standards for Water Works, a manual adopted by reference in Rule 62-555.330(3), F.A.C.
- 3. When any existing asbestos cement (AC) pipes are replaced under this permit, the permittee shall do so in accordance with the applicable rules of Federal Asbestos Regulation and Florida DEP requirements. For specific requirements applicable to AC pipes, the permittee should contact the Air and Waste Management section managers prior to commencing any such activities at (239) 344-5600. Please be aware that a notification is required to be submitted to the Department for a regulated project.
- 4. Chemicals that are contained in coatings that are applied to a surface in contact with drinking water or are otherwise on equipment surfaces that come into contact with the water, and additives and chemicals used to treat water shall conform to American National Standards Institute (ANSI)/NSF International Standard 60-1988. Water system components whose surfaces come into contact with drinking water shall conform to ANSI/NSF Standard 61-1991. The authorized representative of the public water system shall certify in writing that each item conforms to the appropriate standard prior to release for operation. [Rules 62-555.320(3) (a), 62-555.320(3)(b) and 62-555.320(3)(d), F.A.C.]
- 5. The installation or repair of any public water system, or any plumbing in residential facility providing water for human consumption, which is connected to a public water system, shall be lead free. [Rule 62-555.322(1), F.A.C.]
- 6. Prior to placing the new station in service, the Permittee shall have complete record drawings produced for the project in accordance with subsection 62-555.530(4), F.A.C.
- 7. The Permittee shall submit a certification of construction completion to the Department and obtain approval or clearance, from the Department per Rule 62-555.345, F.A.C., before placing any public water system components constructed or altered under this permit in operation for any purpose other than disinfection, testing for leaks, or testing equipment operation. This does not prohibit the Permittee from cutting into existing water mains and returning the water mains to operation in accordance with subsection 62-555.340(5), F.A.C., without the Department's approval.
- 8. The permittee must instruct the engineer of record to request system clearance from the Department within sixty (60) days of completion of construction, testing and disinfecting the system. Bacteriological test results shall be considered unacceptable if the test were completed more than 60 days before the Department received the results. [Rule 62-555.340(2) (c) F.A.C.]
 - Permitted construction or alteration of a public water system may not be placed into service until a letter of clearance has been issued by this Department. [Rule 62-555.345, F.A.C.]
- 9. Prior to placing this project into service, Permittee shall submit, at a minimum, all of the following to the Department for evaluation and approval for operation, as provided in Rules 62-555.340 and 62-555.345, F.A.C.:

Page 5 of 6 Permit No.: 365281-210-DS

a. The Certification of Construction Completion and Request for Clearance to Place Permitted PWS Components into Operation (DEP Form 62-555.900(9))

- b. Certified record drawings if there are any changes noted for the permitted project.
- c. Copy of a satisfactory pressure test of the process piping performed in accordance with AWWA Standards. [Rule 62-555.320(21) (a) (1), F.A.C.]
- d. Two consecutive days of satisfactory distribution bacteriological analytical results.

In order to facilitate the issuance of a letter of clearance, the Department requests that all of the above information be submitted as one package to https://www.fldepportal.com/DepPortal/go/submit-registration.

10. The permittee or suppliers of water shall telephone the State Warning Point (SWP), at 1-800-320-0519 immediately (i.e. within two hours) after discovery of any actual or suspected sabotage or security breach, or any suspicious incident, involving a public water system in accordance with the F.A.C. Rule 62-555.350(10).

Executed in Lee County, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Ryan Snyder

Permitting Program Administrator

SECTION 6

ADDITIONAL DOCUMENTATION AND FORMS

CARLTON STREET SIDEWALKS AND UTILITY IMPROVEMENTS

- 6.1 Material Deliver Conformation Form
- 6.2 Collier County Asbestos Removal Plan
- 6.3 Wastewater Spill Overflow Contingency Plan
- 6.4 Pre-Construction Assessment Form
- 6.5 Meter and Backflow Change out Procedure
- 6.6 Collier Road Alert Form

MATERIAL DELIVERY/RETURN CONFIRMATION

CARLTON STREET SIDEWALKS AND UTILITY IMPROVEMENTS

NOTE: This form is to be completed by Contractor and County Representative at time of all material delivery to site and at time of all pick up of returned materials. All material shall be reviewed for condition, type, size and quantity. Delivery or pick-up tickets should be attached to form.

DATE:	-		
COUNTY REPRESENTATIVE:			
CONTRACTOR REPRESENTATIVE	E:		
MATERIAL DELIVERY OR PICKU	л Р :		
DELIVERED OR PICKED UP BY: _			
MATERIAL (LIST BELOW)			
<u>ITEM</u>	SIZE	QUANTITY	COMMENTS
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PROVIDE ADDITIONAL COMMEN	NTS AS NE	ECESSARY:	
County Representative		Contractor R	Lepresentative

RISK MANAGEMENT DEPARTMENT ASBESTOS REMOVAL PLAN



SUBJECT: ASBESTOS REMOVAL & CONTRACTOR OPERATIONS

REFERENCE: CMA 5902 & ALL APPLICABLE STATE, LOCAL, COUNTY & FEDERAL REGULATIONS

EFFECTIVE DATE: 10/27/10 **REVISION DATE:** 7/2017

Purpose

This Asbestos Removal and contractor operations Written Plan establishes Collier County's requirements for the safe work practices whenever asbestos containing material and/or suspected asbestos containing material is disturbed. This may include the demolition of buildings, insulation materials, underground piping, etc. This written program applies to all asbestos removal operations performed within Collier County Government where employees may encounter asbestos or suspected asbestos containing material as part of their job duties. This plan also outlines the minimum requirements our contractors must follow when encountering asbestos or suspected asbestos containing material during demolition, insulation removal and/or underground piping repair, replacement or removal.

Scope

The control of asbestos removal via written programs and task procedures, such as JSA's are only one component of assuring "cradle to grave" control over the safe and environmentally responsible removal of asbestos. Therefore, affected departments have the responsibility in conjunction with Risk Management to ensure the work they perform as well as the work performed by contractors is completed according to all applicable OSHA, EPA, FDEP and/or DOT regulations. This plan is intended for Collier County buildings, utilities and property under control of the board of County Commissioners and is not designated for asbestos identification and/or removal activities within public schools operations that are regulated under 40 CFR part 763 Subpart E.

Administrative Duties/Responsibilities

Collier County's Risk Management Department has developed this written plan and maintains the master copy of this asbestos removal plan. This department is responsible for all facets of the master plan and has full authority to make necessary decisions to ensure the success of this plan. Collier County's Safety staff is also qualified, by appropriate training and experience that is commensurate with the complexity of the plan, to administer or oversee our asbestos removal written plan, which includes shutting down any operations that do not meet BCC/Local/State or Federal EHS Regulations, Guidelines or Best Practices.

Department / Site-Specific Plans

The master plan does not contain all site-specific additions to this master plan. Development, maintenance and revision of site-specific plans are the responsibility of each affected department and will vary by department. Site-specific Plans shall be developed using a "Department Insert "to accompany the master copy of this plan.

Records Retention

- Each facility/department is responsible to maintain copies of all forms indefinitely. Where revisions are made to their site-specific plan, the outdated document shall be retained indefinitely.
- Each facility/department is responsible to maintain copies of all employee training lists, waste disposal manifests and any inspection forms indefinitely.

The Risk Management Department maintains a copy of the master plan and copies of completed and submitted site-specific plans. Each affected department is responsible for maintaining the master plan and a site-specific plan and that the Contractor has a copy of the plan.

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Section I Definitions

Asbestos: includes chrysotile, amosite, crocidolite, tremolite asbestos, anthophyllite asbestos, actinolite asbestos, and any of these minerals that has been chemically treated or altered.

Asbestos-Containing Material (ACM): any material containing more than one percent asbestos.

Class I Asbestos Work: the removal of thermal system insulation and/or surfacing material (ACM or PACM).

Class II Asbestos Work: removal of any ACM which is not Class I, such as wallboard, floor tile, ceiling tile, linoleum, transite board, roofing materials and mastics.

Class III Asbestos Work: repair and maintenance operations where ACM is likely to be disturbed.

Class IV Asbestos Work: maintenance and custodial activities during which employees contact but do not disturb ACM, and activities to clean up dust and debris which may be generated by Class I, II, or III work.

Clearance Air Monitoring: Air monitoring conducted by an Asbestos Project Monitor at the conclusion of an asbestos project. Clearance air monitoring includes the successful completion of a final visual inspection for work area debris and the collection and analysis of air samples in accordance with AHERA protocols.

Competent person means, in addition to the definition in 29 CFR 1926.32 (f), one who is capable of identifying existing asbestos hazards in the workplace and selecting the appropriate control strategy for asbestos exposure, who has the authority to take prompt corrective measures to eliminate them, as specified in 29 CFR 1926.32(f): in addition, for Class I and Class II work who is specially trained in a training course which meets the criteria of EPA's Model Accreditation Plan (40 CFR 763) for supervisor, or its equivalent and, for Class III and Class IV work, who is trained in a manner consistent with EPA requirements for training of local education agency maintenance and custodial staff as set forth at 40 CFR 763.92 (a)(2).

Demolition - The wrecking or taking out of any load-supporting structural member of a facility together with any related handling operations or the intentional burning (i.e. practice burns) of any facility.

DOT - U.S. and/or Florida Department of Transportation

EPA – U.S Environmental Protection Agency

FDEP - Florida Department of Environmental Protection

Friable Asbestos Containing Material: any material containing more than one percent asbestos, which when dry, may be crumbled, pulverized or reduced to powder by hand pressure.

High Efficiency Particulate Air (HEPA) Filter: a filter capable of trapping and retaining at least 99.97 percent of all mono-dispersed particles of 0.3 micrometers in diameter.

Negative Exposure Assessment (NEA): a demonstration by the employer, which complies with the criteria in OSHA 29 (CFR) 1926.1101 paragraph (f) (2) (iii), that the employee exposure during the monitored operation is expected to be consistently below the PELs.

Non-Friable Asbestos Containing Material: materials in which asbestos is bound in a matrix which cannot, when dry, be crumbled, pulverized or reduced to powder by hand pressure (such as floor tile and asphaltic building materials).

NESHAP - EPA mandated National Emissions Standards for Hazardous Air Pollutants

OSHA - U.S. Occupational Health and Safety Administration

Permissible Exposure Limits (PELs): (1) Time Weighted Average (TWA): the employer shall ensure that no employee is exposed to an airborne concentration of asbestos in excess of 0.1 fiber per cubic centimeter as an eight (8) hour time weighted average. (2) Excursion Limit (EL): the employer shall ensure that no employee is exposed to an airborne concentration of asbestos in excess of 1.0 fiber per cubic centimeter of air as averaged over a sampling period of thirty (30) minutes.

Presumed Asbestos Containing Material (PACM): thermal system insulation and surfacing material in buildings constructed no later than 1980, are assumed to contain asbestos until it has been analyzed to verify or negate its asbestos content.

Regulated Asbestos Containing Material: (RACM) is (a) friable asbestos material, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations.

Regulated Area: means an area established by the employer to distinguish areas where airborne concentrations of asbestos exceed or there is a reasonable possibility that they may exceed the permissible exposure limits.

Renovation - Altering a facility or one or more facility components in any way, including the stripping or removal of Regulated Asbestos Containing Materials (RACM) from a facility component. A renovation could be, but not limited to, any interior renovation or remodel not affecting load-supporting structural members or a roof replacement.

Vinyl Asbestos Floor Tile (VAT): vinyl floor tile and in some cases its mastic which contain more than one percent asbestos and must be handled as ACM.

Section II - Applicable Regulatory Requirements

OSHA – 29 CFR 1910.1001 - Worker protection measures-engineering controls, worker training, labeling, respiratory protection, bagging of waste, permissible exposure level.

OSHA – 29 CFR 1926.1101 - Worker protection measures for all construction work involving asbestos, including demolition and renovation-work practices, worker training, bagging of waste, permissible exposure level.

DOT – 49 CFR Parts 171 and 172 - Regulates the transportation of asbestos-containing waste material. Requires waste containment and shipping papers.

EPA – 40 CFR Part 61 Subpart M – Regulates disposal activities in regards to emissions standards for manufacturing and removal of asbestos.

EPA – 40 CFR Part 763 Subpart G - Protects public employees performing asbestos abatement work in States not covered by OSHA asbestos standard.

EPA – 40 CFR Part 763 Subpart E – Sets forth training requirements for asbestos workers performing work in Schools, Public Buildings, or Commercial Buildings.

F.A.C. – 62-257 – Florida Department of Environmental Protection asbestos removal program

FS Section 469 - Licensing Requirements

Section III -Inventory, Surveillance, and Notification

Collier County Departments are required to maintain an Inventory of all asbestos containing material (appendix A). All accessible functional spaces with known or suspected asbestos containing materials other than flooring are required to be visually inspected at a minimum of twice a year. Spaces with known or suspected asbestos containing flooring are inspected once per year. The current condition of the asbestos containing material is evaluated relative to its condition at previous surveys. Deterioration or a change in the condition of any asbestos containing material is documented. If this deterioration results in a significant health risk to building occupants the deteriorated area is scheduled for hazard abatement.

Inspections are performed by individuals who are currently certified as EPA Asbestos Building Inspectors or who have been trained to recognize asbestos hazards. Each affected department is responsible to ensure that properly trained personnel are available for inspections. This person or persons shall be designated on their Department/Site-Specific Insert that accompanies this master plan.

Buildings presumed to contain asbestos containing materials are posted with a notice sign alerting occupants to the presence of asbestos and guidance on where to find further information. These notices are posted inside of the buildings near the entrances.

Contractors performing work on a Collier County Building or utility that contains asbestos are notified about the presence of asbestos containing materials.

An updated asbestos survey, identifying both friable and non-friable asbestos containing materials, must be conducted of any building or section of a building that is scheduled for renovation or demolition. A draft copy of the survey must be reviewed by the Risk Management for completeness prior to accepting the final product. A copy of the updated survey must be kept on site until the renovation or demolition activities are completed. The survey must be conducted under the supervision of a Florida licensed asbestos consultant. Individuals performing asbestos surveys must be certified as EPA asbestos inspectors through a Florida approved training provider.

Occupants of areas adjacent to planned asbestos removal projects must be notified prior to the start of removal activities. This notification may be in writing or by personal communication and must include information pertaining to what material is being removed and what measures are being taken to prevent exposure to asbestos fibers.

Section IV – Training Requirement

There are various levels of training required depending on the type of involvement with asbestos materials. Each department is responsible for ensuring employees are trained for their level of asbestos involvement. Environmental Health and Safety staff can guide and assist in training. Documentation of training activities must be provided to the Risk Management office.

Awareness Training - This is the most basic level of training, and is required for custodial and maintenance employees assigned to a building or utility containing asbestos or presumed asbestos containing materials.

Class I or Class II- Employees who will be removing or disturbing asbestos or presumed asbestos containing materials must be trained equivalent in curriculum, training method and length to the EPA Model Accreditation Plan asbestos abatement worker training. The state of Florida requires at a minimum this course be four days in length.

Class II Cement piping - All workers must have completed an approved 8 hour class II Cement Piping Removal course

Class III or Class IV— Employees must be trained in aspects of asbestos handling appropriate for the nature of the work, to include procedures for setting up glove bags, and mini enclosures, practices for reducing asbestos exposures, use of wet methods, the content of OSHA Construction Standard for Asbestos, and the identification of asbestos. Such training shall include successful completion of a course that is consistent with EPA requirements for training of local educational agency maintenance and custodial staff as set forth at 40 CFR 763.92(a)(2), or equivalent.

Other Requirements – Employees involved in class I, II, or III asbestos work must also have medical clearance, be properly fitted, and instructed in the usage and care of a respirator, be enrolled in the collier county medical surveillance program as outlined in section VI.

Section V - Use of Personal Protective Equipment

Respiratory Protection – Respiratory protection must be worn at all times during any work that may or has the potential to disturb asbestos. At a minimum the respiratory requirements are a 100 percent efficiency HEPA filter.

Eye protection - Goggles must be worn at all times during any work that may or has the potential to disturb asbestos

Protective Clothing – Protective clothing must be worn at all times during asbestos work. At a minimum this includes a Protective suit (i.e. Tyvek), disposal inner and outer gloves, a disposable hood, and boot covers. **Decontamination –** All clothing worn during asbestos work must be discarded or decontaminated once the work is complete. All disposed clothing will be wrapped with the asbestos containing material and disposed of in a similar way. At a minimum staff must decontaminate equipment such as tools and respirators with light soap and water.

Example: Contaminated clothing, gloves and material wrapped securely in 6 mil or thicker plastic, and then adequately taped to ensure no contaminated material can escape.

Section VI - Medical Surveillance

It has been determined that Collier County Government does not have any division, department or section/location that performs asbestos work for a combined total of 30 days or more per year or are exposed above the permissible exposure or excursion limit. Therefore, the following medical requirements are only listed should the agency meet the below listed requirements in the future.

Medical examinations and consultations are required for all employees who are engaged in asbestos work for a combined total of 30 or more days per year or; are exposed at or above the permissible exposure limit or excursion limit; and for employees who wear negative pressure respirators. Days when fewer than sixty minutes of asbestos work are completed are not included in the 29-day count.

These examinations are repeated at least annually thereafter. If the examining physician determines that any of the examinations should be provided more frequently than specified, affected employees will be examined at the frequencies specified by the physician.

Medical examinations include a medical and work history, with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems. Along with a pulmonary function test, any examinations or tests deemed necessary by the examining physician will be included. A copy of the medical questionnaire can be found in appendix E.

Information Provided to the Physician

The following information must be provided to the physician by the employee's supervisor before the physical.

- -A description of the affected employee's duties as they relate to the employee's exposure.
- -The employee's representative exposure level or anticipated exposure level.
- -A description of any personal protection equipment to be used by the employee.
- -Any information from previous medical examinations of the affected employee that is not otherwise available to the examining physician.

Physician's Written Opinion

The examining physician provides a written statement consisting of the physician's opinion whether the employee has any detected medical conditions that would place the employee at an increased risk of health impairment from exposure to asbestos. Any recommended limitations on the employee, or on the use of personal protective equipment such as respirators, will be noted in the opinion.

The opinion will also include statements that the employee has been informed by the physician of the results of the medical examination, and any medical conditions that may result from asbestos exposure. A statement will also be included that the employee has been informed by the physician of the increased risk of lung cancer attributable to the combined effect of smoking and asbestos exposure.

The physician will not reveal in the written opinion specific findings or diagnoses unrelated to occupational exposure to asbestos. The supervisor will provide a copy of the physician's written opinion to the affected employee within 30 days from its receipt.

Section VII - FDEP Notification Requirements

The Florida Department of Environmental Protection (DEP) administers an asbestos removal program under Chapter 62-257, Florida Administrative Code. The program's intent is to prevent the release of asbestos fibers to the outside air during demolition or renovation activities.

The program requires prior notification to the DEP on the removal of threshold amounts of asbestos from certain types of facilities. These thresholds are noted below under the renovation and demolition sections. In the event that a threshold is met and notification is required there is a 10 day waiting period from the time DEP has been notified to when renovation

can begin. The waiting period is not required if the removal is for emergency purposes, if the removal is an emergency operation then notification shall be provided to the DEP within 24 Hours.

Renovation - Asbestos National Emission Standards for Hazardous Air Pollutants (NESHAP) regulations must be followed for all renovations of facilities with at least 80 linear meters (260 linear feet) of regulated asbestos-containing materials (RACM) on pipes, or 15 square meters (160 square feet) of regulated asbestos-containing materials on other facility components, or at least one cubic meter (35 cubic feet) off facility components where the amount of RACM previously removed from pipes and other facility components could not be measured before stripping. These amounts are known as the "threshold" amounts.

Demolition - Asbestos NESHAP regulations must be followed for demolitions of facilities with at least 80 linear meters (260 linear feet) of regulated asbestos-containing materials (RACM) on pipes, 15 square meters (160 square feet) of regulated asbestos-containing materials on other facility components, or at least one cubic meter (35 cubic feet) off facility components where the amount of RACM previously removed from pipes and other facility components could not be measured before stripping. However, all demolitions must notify the appropriate regulatory agency, even if no asbestos is present at the site, and all demolitions and renovations are "subject" to the Asbestos NESHAP insofar as owners and operators must determine if and how much asbestos is present at the site.

If Category II non-friable ACM has not crumbled, been pulverized or reduced to powder and will not become so during the course of demolition/renovation operations, it is considered non-friable and therefore is not subject to Asbestos NESHAP or FDEP notification requirements. However, if during the demolition or renovation activity it becomes crumbled, pulverized or reduced to powder, it is covered by the Asbestos NESHAP and FDEP requirements.

Prior to all renovation, demolitions, or removal of asbestos contact the Risk Management Department for further regulatory guidance.

Section VIII - Removal and Handling Requirements

A department/Site-Specific program insert must be developed for each new removal task. Where each task is similar in nature, a common procedure, such as a Job Safety Analysis may suffice for the department/site-specific insert.

Regulated area – The area around where the work is being performed must be marked off as a regulated area and can be accessed by individuals who are trained, qualified, and wearing appropriate PPE. There must be signs posted around the work site that are clearly visible, and state the following:

DANGER ASBESTOS CANCER AND LUNG DISEASE HAZARD AUTHORIZED PERSONEL ONLY

Where the use of respirators and protective clothing is required in the regulated area the warning sign shall include:

RESPIRATORS AND PROTECTIVE CLOTHING ARE REQUIRED IN THIS AREA

Class I - This is work involving the removal of thermal system insulation, or surfacing material, and typically will not be performed by Collier County employees.

Class II - Where a negative exposure assessment cannot be documented, or where during the job conditions indicate there may be exposure above the PEL, or where the asbestos containing material cannot be removed in a substantially intact state, a negative pressure enclosure must be used. These barriers are necessary to prevent the migration of airborne asbestos from the regulated area. The effectiveness of the barriers should be verified by perimeter area monitoring or visual surveillance. Class II work also may be performed using a method allowed for Class I work, and glove bags and glove boxes are allowed if they fully enclose the Class II material to be removed. Impermeable drop cloths must be placed on surfaces beneath all removal activity. For Class II work the competent person must be specially trained in a course that meets the criteria of EPA"s Model Accreditation Plan (40 CFR 763) for project supervisor, or its equivalent.

Specialized Class II Work

Removing Vinyl and Resilient Flooring Materials - This work requires specialized training provided, or approved, by the University of Florida Asbestos Coordinator. Flooring or its backing is not to be sanded, ground abraded or intentionally broken or chipped. Vacuums equipped with High Efficiency Particulate Air (HEPA) filter, disposable dust bag, and metal floor tool (no brush) shall be used to clean floors. Resilient sheeting shall be removed by cutting with wetting of the snip point and wetting during removal. Rip-up of resilient sheet floor material is prohibited. All scraping of residual adhesive and/or backing shall be performed using wet methods. Dry sweeping is prohibited. Mechanical chipping is prohibited unless performed in a negative pressure enclosure. Tiles must be removed substantially intact.

Roofing Material - This work requires specialized training approved by the Risk Management Department. When removing roofing material that contains asbestos, remove the roofing material in an intact state to the extent feasible. Cutting machines shall be continuously misted during use, unless the competent person determines that misting substantially decreases worker safety. All loose dust left by the sawing operation must be HEPA vacuumed immediately. Cutting of cement asbestos (Transite®) is prohibited without permission from the Risk Management Department. Unwrapped or unbagged roofing material must be immediately lowered to the ground by way of covered, dust-tight chute, crane or hoist, or placed in an impermeable waste bag or wrapped in plastic sheeting and lowered to ground by the end of the work shift. Upon being lowered, unwrapped material shall be transferred to a closed receptacle in such manner to preclude the dispersion of dust. Roof level heating and ventilation air intake sources shall be isolated or the ventilation system shall be shut down.

Cement piping – Removal of cement piping for maintenance activities is a common practice in Collier County Public Utilities Division. If the work is being conducted by Collier County Employees then the department specific plan and all required JSA's for such work shall be followed at all times. In the event the work is being conducted by a contractor the contractor is subject to all applicable State, local, and Federal Regulations.

Class III

All class III asbestos work that can include a process that has the potential for disturbing a process must be evaluated by Risk Management prior to work being completed. If it is determined that the work will cause a disturbance then Class II procedures will be followed.

Section IX - Contractor Requirements

Work is to be performed in accordance with the 29 CFR 1926.1101 (OSHA Asbestos Construction Standard), 40 CFR 61 Subpart M (EPA NESHAP Regulations), and any other applicable Federal, State, and County regulations.

All contactors performing asbestos work must be in compliance with all state licensing requirements for the type of work they are performing. Prior to conducting any work on asbestos containing materials contractors must submit proof of qualified personnel, all contract employees must be trained in accordance with OSHA and EPA requirements.

All contractors that will be performing work on any asbestos containing material must submit an Asbestos Abatement Work Plan to the county department work is being performed for and the Risk Management Department for approval. The work plan must include: licensing, employee training, handling, storage, and disposal of asbestos containing material as referenced within the applicable OSHA and EPA/FDEP Regulations. This plan must be approved by the Risk Management Department prior to any work being completed.

For contractors that provide emergency repair services an Asbestos Abatement Plan must be submitted as outlined above on an annual basis.

All contractors must be in compliance with Section X Disposal Requirements.

Section X – Disposal Requirements

All asbestos containing materials that reside on Collier County Property and Utilities are under the ownership of the county. Federal disposal regulations set forth cradle-to-grave responsibility with asbestos as a hazardous material. Therefore the responsibility of proper disposal is ultimately that of Collier County. All shipments and disposal of Asbestos

must be accompanied by and Non-Hazardous Waste Manifest (Appendix B). All disposal of asbestos must be in accordance with State, Local, Federal regulations and Collier County requirements.

Documentation – Documentation of disposal is done by each department or contractor utilizing the Non-Hazardous Waste Manifest. The department that was responsible for the oversight of the asbestos project is responsible for maintaining copies of the manifest. All return documentation of disposal must be received back by the required department within 30 days. If documentation has not been received in 30 days Risk Management must be notified. All documentation for asbestos disposal must be retained by the department conducting disposal. These forms shall be kept on site indefinitely.

Packaging – All Asbestos being disposed must be wetted, concealed tightly, labeled with the amount of asbestos in either cubic ft or linear ft, and the specific location it came from. All packages must be labeled as shown below:

DANGER CONTAINS ASBESTOS FIBERS AVAOID CREATING DUST CANCER AND DISEASE HAZARD

Shipping – Regulated Asbestos shall never be shipped by Collier County Employees in any amount greater than 1000 lbs. Any shipment that exceeds this requirement is subject to Department of Transportation Requirements as a class 9 hazardous material.

Disposal – All asbestos must be delivered and handled by qualified and trained employees. Prior to disposal of asbestos a pre planned landfill disposal site must be determined; the site must have legal authority to accept asbestos containing materials. As soon as disposal is anticipated the department asbestos coordinator should contact the disposal site and schedule a drop of date. Disposal of asbestos is usually conducted at a pre determined time, date, and location, this determination is given by the disposal site. Collier County employees must follow the direction of the disposal site and only deliver materials to a location determined by the site. Prior to leaving Collier County employees must have the landfill operator or representative sign the Non Hazardous Waste Manifest. A copy of the manifest must be returned and filed appropriately.

Contractors – No contractor is to engage in the handling, storage, or disposal of asbestos without prior approval by the Department managing the contract and Risk Management Department.

Section XI – Prohibited Practices

All Collier County Employees are prohibited from performing any work on or around asbestos without proper training, medical clearance, and PPE as required by this document. All department specific written plans, JSA's, and standard operating procedures must be approved by Risk Management prior to being put into place.

Applicable Documents / References

CMA 5902 health and Safety Policy
Water Department Main Break JSA
Respiratory Protection Written Plan
Protective Eyewear Countywide JSA # 1
Site/Project Specific Asbestos Management Plan



Appendix A: Asbestos Inventory Form

Department	Location	Description of Material	Estimated Volume

Appendix B: Non-Hazardous Waste Manifest

									Houses	
	NON-HAZARDOUS WASTE MANIFEST	1. Generator's	US EPA ID No.	Manifest Doc.	No. 2. Pag of	e 1				
3.	. Generator's Name and Mailing Address			g 8						F (3)
4.	. Generator's Phone ()			The Trade of the			100	Section 1		
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1	5. Special Handling Instructions and Additional II	nformation								
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			above on this manifest are Signature	not subject to federal r	egulations for	reporting prop	per disposa	ıl of Hazardou <i>Month</i> .	as Was	Yes
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Appendix C: FDEP Notification Form



Florida Department of Environmental Protection Division of Air Resource Management

DEP Form 62-257 900(1) Effective 10-12-08 Page 1 of 2

NOTICE OF DEMOLITION OR ASBESTOS RENOVATION

TYPE OF NOTICE (CHECK ONE ONLY): TYPE OF PROJECT (CHECK ONE ONLY): IF DEMOLITION, IS IT AN ORDERED IF RENOVATION:			☐ REVI	SED OVATION NO	☐ CANCEL	LATION	□ cou	RTESY
IS IT AN EMERGENCY RENOVA IS IT A PLANNED RENOVATION			□YES □YES	□ NO				
I. Facility Name								
Address								
City								
Site								
Building Size (Square	Feet)	# of Floors	Bu	ilding Age	in Years			
Prior Use: School/College/University	□Re	esidence 🔲 Sm	nall Busines	s 🗆 Of	ther			
Present Use: School/College/University	□R€	esidence 🗌 Sm	nall Busines	s 🗌 Ot	:her			
II. Facility Owner				Р	hone ()		
Address								
City	Stat	e		_ Zip				
III. Contractor's Name)		
Address								
City								
Is the contractor exempt from licensure unde				☐ YES		NO		
IV. Scheduled Dates: (Notice must be pos	tmarke	d 10 working days	before the	project st	art date)			
Asbestos Removal (mm/dd/yy) Start:						Start:	Finis	sh:
V. Description of planned demolition or re to be used and description of affected facility	novatio compo	n work to be perfo nents	ormed and	methods t	o be employe	d, including dem		
Procedures to be Used (Check All That	Apply):							
☐ Strip and Removal		Glove Bag		Bull	dozer			Wrecking Ball
☐ Wet Method		Dry Method		☐ Exp	lode			Burn Down
OTHER:				· ·				
VI. Procedures for Unexpected RACM: _ VII. Asbestos Waste Transporter: Name Address						Phone	()	
City								
VIII. Waste Disposal Site: Name						Class		
Address								
City								
IX. RACM or ACM: Procedure, including a	inalytic	al methods, emplo	oyed to dete	ect the pre	sence of RAC	M and Category	/ Land II n	onfrìable ACM.
Amount of RACM or ACM* square feet surfacing mate	rial		X. Fe	e Invoice	Will Be Sent	to Address in	Block Bel	ow: (Print or Type)
linear feet pipe								
cubic feet of RACM off faci	lity com	ponents						
square feet cementitious m		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
square feet resilient flooring								
square feet asphalt roofing								
			6-1 - :					
*Identify and describe surfacing material and	otnerr	nateriais as applic	cable:					
I certify that the above information is correct during the demolition or renovation and evide normal business hours.								
(Print Name of Owner/Operator)				(Date)				
(Signature of Owner/Operator)				(Date)				
DEP USE ONLY Postmark/Date Rece	ived)#			



Florida Department of Environmental Protection Division of Air Resource Management

DEP Form 62-257 900(1) Effective 10-12-08 Page 1 of 2

NOTICE OF DEMOLITION OR ASBESTOS RENOVATION

TYPE OF NOTICE (CHECK ONE ONLY): TYPE OF PROJECT (CHECK ONE ONLY): IF DEMOLITION, IS IT AN ORDERED IT IF RENOVATION:	DEMOLITION?	LITION REN	NO ∏ ON	☐ CANCELLATION	☐ COURTESY
IS IT AN EMERGENCY RENOVA' IS IT A PLANNED RENOVATION		ON? □YES □YES	NO		
I. Facility Name					
Address					
City					
Site					
Building Size (Square F					
Present Use: School/College/University					
II. Facility Owner					
Address					
City	State		_ Zip		
III. Contractor's Name					
Address					
City					
Is the contractor exempt from licensure under					
IV. Scheduled Dates: (Notice must be post					
Asbestos Removal (mm/dd/yy) Start:					
V. Description of planned demolition or re to be used and description of affected facility	components				
Procedures to be Used (Check All That	Apply):				
Strip and Removal	Glove B		☐ Bull	dozer	☐ Wrecking Ball
☐ Wet Method	☐ Dry Meth	hod	☐ Exp	lode	☐ Burn Down
VI. Procedures for Unexpected RACM: VII. Asbestos Waste Transporter: Name				P	
Address					
VIII. Waste Disposal Site: Name					
Address	State				
IX. RACM or ACM: Procedure, including a					egory I and II nonfriable ACM.
Amount of RACM or ACM*		X. F	ee Invoice	Will Be Sent to Addres	s in Block Below: (Print or Type)
square feet surfacing mater	rial				
linear feet pipe					
cubic feet of RACM off facil	ity components				
square feet cementitious m	aterial				
square feet resilient flooring	9				
square feet asphalt roofing					
*Identify and describe surfacing material and	other materials	as applicable:			
Logrify that the above information is comen	and that an include	idual trained in the	nroviniar -	of this regulation (40 OF	P Dort 64. Subport 64: will be an -it-
I certify that the above information is correct a during the demolition or renovation and evide normal business hours.					
(Print Name of Owner/Operator)			(Date)		
(Signature of Owner/Operator)			(Date)		
DEP USE ONLY Postmark/Date Rece	ived			ጉ#	



DEPARTMENT / SITE-SPECIFIC ASBESTOS CONTROL PROGRAM INSERT

Facility:	Location:
Department:	Division:

RESPONSIBILITY:

_____ is designated as the Asbestos Program Coordinator for this Department/facility. Specific Responsibilities include:

- 1. Ensuring this department insert remains current.
- 2. Maintaining a current list of employees that have been properly trained and have been determined as qualified to work with asbestos.
- 3. Ensuring that all asbestos containing piping is accounted for via a formal tracking mechanism.
- **4.** Ensuring all repairs where asbestos containing material are suspected follow the established safety protocols, JSA's and/or internal procedures as defined within the Collier County Written Plan.
- Ensuring that all contractors who may perform asbestos removal have provided verification of properly trained employees and that all contracted work follows established guidelines and appropriate disposal procedures.
- **6.** Ensuring all waste disposal forms are completed, properly submitted and a copy maintained to ensure "cradle to grave" accuracy.

Appendix E Medical Questionnaire

			dical Questionnaires -	
is mandatory appendix contains the medical questionnair no will therefore be included in their employer's medical si will be covered by the medical surveillance re inployees who are provided periodic medical examinations	urveillance progr	ram. Part 1 of the	ne abbreviated Periodical Medical	
art 1				
ITIAL MEDICAL QUESTIONNAIRE:				
NAME:				
SOCIAL SECURITY NUMBER:				
CLOCK NUMBER:				
PRESENT OCCUPATION:				
PLANT:				
ADDRESS:				ST: ZIP CODE:
TELEPHONE NUMBER: ()				
INTERVIEWER:		2007		
D. DATE: / /				
Date of birth: / /				
Month Day Year				
2. Place of birth:				
3. Sex: 1. \square Male 2. \square Fer		lowed 4 De	enerated/Divorced	
What is your marital status? Single 2. □ Ma Description: White 2. □ Bla				ther —
5. Race: 1. ☐ White 2. ☐ Bla 6. What is the highest grade completed in school?			A contract of the contract of	
7. OCCUPATIONAL HISTORY	(i oi example	, 50010 10 00		
A. Have you ever worked full time (30 hours per week	or more) for 6 m	onths or more?	2: 1. □ Yes 2. □ No IF YES	TO 17A:
B. Have you ever worked for a year or more in any dus			1. □ Yes 2. □ No 3. □ Do	
Specify job/industry:	,,		Total Years Worked:	
	derate 3.	Severe		
C. Have you ever been exposed to gas or chemical fur			1. ☐ Yes 2. ☐ No	
Specify job/industry:			Total Years Worked:	
Was exposure: 1. ☐ Mild 2. ☐ Mo				
D. What has been your usual occupation or job - the or			est?	
D. What has been your asour occupation of job and or				
1. Job occupation:				
Job occupation: Number of years employed in this occupation:				
Number of years employed in this occupation: Position/job title:				
Nob occupation: Number of years employed in this occupation: Position/job title: Business, field or industry:				
1. Job occupation: 2. Number of years employed in this occupation: 3. Position/job title: 4. Business, field or industry: (Record on lines the years in which you have worked in				
1. Job occupation: 2. Number of years employed in this occupation: 3. Position/job title: 4. Business, field or industry: (Record on lines the years in which you have worked in Have you ever worked:				
1. Job occupation: 2. Number of years employed in this occupation: 3. Position/job title: 4. Business, field or industry: (Record on lines the years in which you have worked in Have you ever worked: E. In a mine?	any of these ind	lustries, e.g. 19	960-1969)	
1. Job occupation: 2. Number of years employed in this occupation: 3. Position/job title: 4. Business, field or industry: (Record on lines the years in which you have worked in Have you ever worked: E. In a mine? F. In a quarry?	any of these ind ☐ Yes	lustries, e.g. 19 □ No	960-1969)	_ ' ' ' ' ' ' ' ' ' '
1. Job occupation: 2. Number of years employed in this occupation: 3. Position/job title: 4. Business, field or industry: (Record on lines the years in which you have worked in Have you ever worked: E. In a mine? F. In a quarry? G. In a foundry?	any of these ind ☐ Yes ☐ Yes	lustries, e.g. 19	960-1969)	
1. Job occupation: 2. Number of years employed in this occupation: 3. Position/job title: 4. Business, field or industry: (Record on lines the years in which you have worked in Have you ever worked: E. In a mine? F. In a quarry? G. In a foundry? H. In a pottery?	any of these ind	lustries, e.g. 19	960-1969)	
1. Job occupation: 2. Number of years employed in this occupation: 3. Position/job title: 4. Business, field or industry: (Record on lines the years in which you have worked in Have you ever worked: E. In a mine? F. In a quarry? G. In a foundry?	any of these ind	lustries, e.g. 19	960-1969)	
1. Job occupation: 2. Number of years employed in this occupation: 3. Position/job title: 4. Business, field or industry: (Record on lines the years in which you have worked in Have you ever worked: E. In a mine? F. In a quarry? G. In a foundry? H. In a pottery? I. In a cotton, flax, or hemp mill? J. With asbestos?	any of these ind	lustries, e.g. 19	960-1969)	
1. Job occupation: 2. Number of years employed in this occupation: 3. Position/job title: 4. Business, field or industry: (Record on lines the years in which you have worked in Have you ever worked: E. In a mine? F. In a quarry? G. In a foundry? H. In a pottery? I. In a cotton, flax, or hemp mill? J. With asbestos? 8. PAST MEDICAL HISTORY	any of these ind	lustries, e.g. 19	960-1969)	
1. Job occupation: 2. Number of years employed in this occupation: 3. Position/job title: 4. Business, field or industry: (Record on lines the years in which you have worked in Have you ever worked: E. In a mine? F. In a quarry? G. In a foundry? H. In a pottery? I. In a cotton, flax, or hemp mill? J. With asbestos? 8. PAST MEDICAL HISTORY A. Do you consider yourself to be in good health?	any of these ind	lustries, e.g. 19 No No No No No	960-1969)	
1. Job occupation: 2. Number of years employed in this occupation: 3. Position/job title: 4. Business, field or industry: (Record on lines the years in which you have worked in Have you ever worked: E. In a mine? F. In a quarry? G. In a foundry? H. In a pottery? I. In a cotton, flax, or hemp mill? J. With asbestos? 8. PAST MEDICAL HISTORY A. Do you consider yourself to be in good health? B. Have you any defect of vision?	any of these ind	No	If "No", state reason:	
1. Job occupation: 2. Number of years employed in this occupation: 3. Position/job title: 4. Business, field or industry: (Record on lines the years in which you have worked in Have you ever worked: E. In a mine? F. In a quarry? G. In a foundry? H. In a pottery? I. In a cotton, flax, or hemp mill? J. With asbestos? 8. PAST MEDICAL HISTORY A. Do you consider yourself to be in good health? B. Have you any defect of vision? C. Have you any hearing defect?	any of these ind	lustries, e.g. 19	960-1969)	
1. Job occupation: 2. Number of years employed in this occupation: 3. Position/job title: 4. Business, field or industry: (Record on lines the years in which you have worked in Have you ever worked: E. In a mine? F. In a quarry? G. In a foundry? H. In a pottery? I. In a cotton, flax, or hemp mill? J. With asbestos? 8. PAST MEDICAL HISTORY A. Do you consider yourself to be in good health? B. Have you any defect of vision? C. Have you suffering from or have you ever suffered from the support of the position of the positio	any of these ind Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	No	If "No", state reason:	
1. Job occupation: 2. Number of years employed in this occupation: 3. Position/job title: 4. Business, field or industry: (Record on lines the years in which you have worked in Have you ever worked: E. In a mine? F. In a quarry? G. In a foundry? H. In a pottery? I. In a cotton, flax, or hemp mill? J. With asbestos? 8. PAST MEDICAL HISTORY A. Do you consider yourself to be in good health? B. Have you any defect of vision? C. Have you suffering from or have you ever suffered from a. Epilepsy (or fits, seizures, convulsions)?	any of these ind Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	No	If "No", state reason:	
1. Job occupation: 2. Number of years employed in this occupation: 3. Position/job title: 4. Business, field or industry: (Record on lines the years in which you have worked in Have you ever worked: E. In a mine? F. In a quarry? G. In a foundry? H. In a pottery? I. In a cotton, flax, or hemp mill? J. With asbestos? 8. PAST MEDICAL HISTORY A. Do you consider yourself to be in good health? B. Have you any defect of vision? C. Have you any hearing defect? D. Are you suffering from or have you ever suffered from a. Epilepsy (or fits, seizures, convulsions)? b. Rheumatic fever?	any of these ind Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	No	If "No", state reason:	
1. Job occupation: 2. Number of years employed in this occupation: 3. Position/job title: 4. Business, field or industry: (Record on lines the years in which you have worked in Have you ever worked: E. In a mine? F. In a quarry? G. In a foundry? H. In a pottery? I. In a cotton, flax, or hemp mill? J. With asbestos? 8. PAST MEDICAL HISTORY A. Do you consider yourself to be in good health? B. Have you any defect of vision? C. Have you any hearing defect? D. Are you suffering from or have you ever suffered from a. Epilepsy (or fits, seizures, convulsions)? b. Rheumatic fever? c. Kidney disease?	any of these ind Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	No	If "No", state reason:	
1. Job occupation: 2. Number of years employed in this occupation: 3. Position/job title: 4. Business, field or industry: (Record on lines the years in which you have worked in Have you ever worked: E. In a mine? F. In a quarry? G. In a foundry? H. In a pottery? I. In a cotton, flax, or hemp mill? J. With asbestos? 8. PAST MEDICAL HISTORY A. Do you consider yourself to be in good health? B. Have you any defect of vision? C. Have you any hearing defect? D. Are you suffering from or have you ever suffered from a. Epilepsy (or fits, seizures, convulsions)? b. Rheumatic fever? c. Kidney disease? d. Bladder disease?	any of these ind Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	No	If "No", state reason:	
1. Job occupation: 2. Number of years employed in this occupation: 3. Position/job title: 4. Business, field or industry: (Record on lines the years in which you have worked in Have you ever worked: E. In a mine? F. In a quarry? G. In a foundry? H. In a pottery? I. In a cotton, flax, or hemp mill? J. With asbestos? 8. PAST MEDICAL HISTORY A. Do you consider yourself to be in good health? B. Have you any defect of vision? C. Have you any hearing defect? D. Are you suffering from or have you ever suffered from a. Epilepsy (or fits, seizures, convulsions)? b. Rheumatic fever? c. Kidney disease? d. Bladder disease? e. Diabetes?	any of these ind Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	No	If "No", state reason:	
1. Job occupation: 2. Number of years employed in this occupation: 3. Position/job title: 4. Business, field or industry: (Record on lines the years in which you have worked in Have you ever worked: E. In a mine? F. In a quarry? G. In a foundry? H. In a pottery? I. In a cotton, flax, or hemp mill? J. With asbestos? 8. PAST MEDICAL HISTORY A. Do you consider yourself to be in good health? B. Have you any defect of vision? C. Have you any hearing defect? D. Are you suffering from or have you ever suffered from a. Epilepsy (or fits, seizures, convulsions)? b. Rheumatic fever? c. Kidney disease? d. Bladder disease? e. Diabetes? f. Jaundice?	any of these ind Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	No	If "No", state reason:	
1. Job occupation: 2. Number of years employed in this occupation: 3. Position/job title: 4. Business, field or industry: (Record on lines the years in which you have worked in Have you ever worked: E. In a mine? F. In a quarry? G. In a foundry? H. In a pottery? I. In a cotton, flax, or hemp mill? J. With asbestos? 8. PAST MEDICAL HISTORY A. Do you consider yourself to be in good health? B. Have you any defect of vision? C. Have you any hearing defect? D. Are you suffering from or have you ever suffered from a. Epilepsy (or fits, seizures, convulsions)? b. Rheumatic fever? c. Kidney disease? d. Bladder disease? e. Diabetes? f. Jaundice? 9. CHEST COLDS AND CHEST ILLNESSES:	any of these ind	No	If "No", state reason: If "Yes", state nature of defect If "Yes", state nature of defect	
1. Job occupation: 2. Number of years employed in this occupation: 3. Position/job title: 4. Business, field or industry: (Record on lines the years in which you have worked in Have you ever worked: E. In a mine? F. In a quarry? G. In a foundry? H. In a pottery? I. In a cotton, flax, or hemp mill? J. With asbestos? 8. PAST MEDICAL HISTORY A. Do you consider yourself to be in good health? B. Have you any defect of vision? C. Have you any hearing defect? D. Are you suffering from or have you ever suffered fror a. Epilepsy (or fits, seizures, convulsions)? b. Rheumatic fever? c. Kidney disease? d. Bladder disease? e. Diabetes? f. Jaundice? 9. CHEST COLDS AND CHEST ILLNESSES: 9A. If you get a cold, does it usually go to your chest? (U	any of these ind Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	No	If "No", state reason: If "Yes", state nature of defect If "Yes", state nature of defect	1. Yes 2. No 3. Don't get colds
1. Job occupation: 2. Number of years employed in this occupation: 3. Position/job title: 4. Business, field or industry: (Record on lines the years in which you have worked in Have you ever worked: E. In a mine? F. In a quarry? G. In a foundry? H. In a pottery? I. In a cotton, flax, or hemp mill? J. With asbestos? 8. PAST MEDICAL HISTORY A. Do you consider yourself to be in good health? B. Have you any defect of vision? C. Have you any hearing defect? D. Are you suffering from or have you ever suffered fror a. Epilepsy (or fits, seizures, convulsions)? b. Rheumatic fever? c. Kidney disease? d. Bladder disease? e. Diabetes? f. Jaundice? 9. CHEST COLDS AND CHEST ILLNESSES: 94. If you get a cold, does it usually go to your chest? (U	any of these ind Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	No	If "No", state reason: If "Yes", state nature of defect If "Yes", state nature of defect	1. Yes 2. No 3. Don't get colds 1. Yes 2. No IF YES TO 20A:
1. Job occupation: 2. Number of years employed in this occupation: 3. Position/job title: 4. Business, field or industry: (Record on lines the years in which you have worked in Have you ever worked: E. In a mine? F. In a quarry? G. In a foundry? H. In a pottery? J. With asbestos? 8. PAST MEDICAL HISTORY A. Do you consider yourself to be in good health? B. Have you any defect of vision? C. Have you any hearing defect? D. Are you suffering from or have you ever suffered fror a. Epilepsy (or fits, seizures, convulsions)? b. Rheumatic fever? c. Kidney disease? d. Bladder disease? e. Diabetes? f. Jaundice? 9. CHEST COLDS AND CHEST ILLNESSES: 9A. If you get a cold, does it usually go to your chest? (URA). During the past 3 years, have you had any chest illne B. Did you produce phlegm with any of these chest illne	any of these ind Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	lustries, e.g. 19 No	If "No", state reason: If "Yes", state nature of defect If "Yes", state nature of defect pork, indoors at home, or in bed?	1.
1. Job occupation: 2. Number of years employed in this occupation: 3. Position/job title: 4. Business, field or industry: (Record on lines the years in which you have worked in Have you ever worked: E. In a mine? F. In a quarry? G. In a foundry? H. In a pottery? I. In a cotton, flax, or hemp mill? J. With asbestos? 8. PAST MEDICAL HISTORY A. Do you consider yourself to be in good health? B. Have you any defect of vision? C. Have you any hearing defect? D. Are you suffering from or have you ever suffered fror a. Epilepsy (or fits, seizures, convulsions)? b. Rheumatic fever? c. Kidney disease? d. Bladder disease? e. Diabetes? f. Jaundice? 9. CHEST COLDS AND CHEST ILLNESSES: 9A. If you get a cold, does it usually go to your chest? (UOA. During the past 3 years, have you had any chest illned.	any of these ind Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	lustries, e.g. 19 No	If "No", state reason: If "Yes", state nature of defect If "Yes", state nature of defect pork, indoors at home, or in bed?	1. Yes 2. No 3. Don't get colds 1. Yes 2. No IF YES TO 20A:



Appendix F: Phase I - Project Initialization Checklist

0	Project Name:	Form Completed By:	Proj. #	:
1	Who Will conduct the Asbestos Operation	ns?	ctor 🗆 Oth	er
2	Has a project/site-specific Asbestos Abat	ement Plan been submitted to the Project	☐ YES □	□ NO
	Mgr?			
3	Has the Asbestos Abatement Plan Been	• • • • • • • • • • • • • • • • • • • •	☐ YES [□ NO
	Pollution Control and Solid Waste departs			
4	Where applicable, has the affected depar		☐ YES [□ NO
	associated with these work tasks for review	ew?		
5	Has documentation of licensure been pro	vided by the contractor, where	□YES □N	O □N/A
	necessary?			
6	Has documentation of employee training			□ NO
7	Does this project require a 3 rd Party Asbe		☐ YES [□ NO
	hired and provided with the abatement pla			
8	Does this project require EPA/DEP Notifice			□ NO
9	Where EPA/DEP notification is required,		□YES □ N	O □N/A
		gr and submitted to EPA/DEP? (This form		
	is shown as Appendix C in the Risk Mana			
10	Where EPA DEP notification has been de	• •	□YES □ N	O □N/A
	from EPA/DEP (Do not commence project			
11	Has the Project Mgr. Obtained the "Waste		☐ YES□ I	NO
	need to be submitted to WMI for approva			
		this form) Note: Multiple shipments will		
	require multiple form requests and sul			
12	Where necessary, The PUD Public Inform		□YES □ N	O □N/A
	educated on the project in question and is			
13	Has a Project Pre-Construction Meeting b	•	☐ YES □	□ NO
	and all roles and responsibilities everyone			
14	An account has been established at the la		☐ YES □	□ NO
4 =	Acct#(Utility B			7 110
15	Has the Asbestos Abatement Consultant		☐ YES □	□ NO
	describes that establishes parameters for			
16	Estimated linear ft and weight of asbestos	s to be removedLinear Ft		

The signatures below represent the verification of all items above and the subsequent approval of the initiation sequence of this project.

Project Manager - Print Name	Project Manager Signature
Risk Management – Print Name/Title	Risk Management - Signature
Solid & Hazardous Waste – Print Name/Title	Solid & Hazardous Waste - Signature
Water Distribution Manager – Print Name	Water Distribution Manager - Signature
Water Department Director – Print Name	Water Department Director - Signature
Contractor – Print Name	Contractor - Signature

Once all signatures have been obtained, the "Notice to Proceed" may be delivered. This completed form shall be retained by the Water Department, the Project Manager and Risk Management for document control purposes.



Appendix G:

Phase II - Asbestos Construction/Removal Checklist

[This checklist to be completed on-site during any Asbestos Removal Project]

0	Project Name:	Form Completed By:	F	roj #:	
1	The department and/or contractor performing the	work has mobilized all necessary	□ Y	ES	
	equipment to properly remove the Asbestos conta				
2	A copy of the Asbestos Abatement Plan is on site		□ Y		
3	Where necessary, A copy of any applicable JSA's		□ Y		
4	Where necessary, A copy of the approved DEP F			S 🗆 N	
5	Where necessary, A copy of the contractor's Asbe			S 🗆 N	
6	The department and/or contractor performing the	work has the approved cutting/snapping	□ Y	ES	
	apparatus on site and ready for use.*				
7	The department and/or contractor performing the		□ Y	ES	
	up asbestos debris in affected soil or media on-si				
8	The department and/or contractor performing the	•	□ Y	ES	
	available for all employees that will work within the				
9	The department and/or contractor performing the		□ Y	ES	
	available and the designated perimeter is establis				
10	The department and/or contractor performing the	work has all required "wrapping" material	□ Y	ES	
44	on-site and available at all times.*	ad. bas adamata "attisa" ana anti-			
11	The department and/or contractor performing the		□ Y	E5	
12	on-site and available to ensure material does not	become airborne.	□ Y	E 6	□NO
	The material has been properly wrapped? *		□ Y		
13 14	The material has been properly labeled? * Properly wrapped and labeled material has been	agrafully landed into an approved	□ Y		
14	transportation container. *	carefully loaded into all approved		ES	
15	Transportation container: Transportation container is properly labeled while	haing stored on site *	□ Y	ES	□NO
16	The affected department and/or contractor has ob-		□ Y		
10	using the "Waste Profile" form as required and sa		🗀 "	LJ	
	with the Non-Hazardous Waste manifest. [Timefra				
	Note: Multiple shipments will require multiple				
	WMI	requests and subsequent approval by			
17	The affected department has scheduled the exact	t date/time for shipment of material based	□ Y	ES	□NO
	on WMI approval via the Waste Profile form.	a data, ilina tar ampiniani ar matanan baasa			
	Note: Multiple shipments will require multiple	requests and subsequent approval by			
	WMI	,			
18	Has the transportation container been covered (ta	arped) prior to leaving the site?*	□ Y	ES	□NO
19	The shipment has left the construction site and be		☐ YE	S 🗆 N	IO □N/A
20	A safety meeting, i.e. short tailgate session is held	d at the beginning of each work day.	□ Y	ES	□NO
21	Verify and list the amount of pipe removed (in line	ear feet and weight);Linear Ft.			

*Items require photographs prior to completion of documentation

The signatures below represent the verification of all items above and the subsequent approvals during the Construction/Removal Phase of this project.

Project Manager - Print Name	Project Manager - Signature
Water Dept. Representative Print Name/Title	Water Dept. Representative - Signature
Field Inspector – Print Name/Title	Field Inspector – Signature
Add. Representative – Print Name/Title	Add. Representative - Signature

This completed form shall be retained by the Water Department, the Project Manager and Risk Management for document control purposes.



Appendix H: Asbestos Disposal Checklist

[To be completed by a trained (authorized) Solid Waste Employee]

1	Who Delivered the Asbestos Shipment? ☐ Water Department ☐ Contractor ☐ Other		
2	Is the correct Waste Profile, completed correctly and approved by Waste Management, delivered to the scalehouse office prior to the date of disposal? (A separate profile is required for friable and non-friable asbestos waste)	□YES	□NO
3	Are the Non-Hazardous Waste Manifest completed correctly and signed by the hauler and scalehouse attendant?	□YES	□NO
4	Has an account been established at the scalehouse for this specific project?	□YES	□NO
5	Did the shipment arrive covered (tarped) prior to disposal?	□YES	□NO
6	Has the disposal location been properly prepared for acceptance of the material by WMI staff following WMI's established burial parameters? (scale attendant will notify WMI to prepare the disposal site)	□YES	□NO
7	Is a Waste management Inc. Authorized operator available to meet the hauler at the disposal location?	□YES	□NO
8	Has a Solid Waste Mgt. employee escorted the hauler to the disposal location and witnessed the placement of material into the WMI established disposal location?	□YES	□NO
9	Has the shipment been disposed of properly (as defined by WMI parameters) and the entire disposal process verified by an authorized Solid Waste Management representative?	□YES	□NO
10	Has the Solid Waste Department received copies of the final and completed Non-Hazardous Waste Manifest, GPS coordinates and a copy of the load ticket receipt from WMI?	□YES	□NO
11	Has Solid Waste Submitted the completed the proper documentation to the Project Manager for documentation control purposes. (manifests, signed load tickets, GPS log and a final report from the scalehouse database)	□YES	□NO

The signatures below represent the verification of all items above and the subsequent approval of the Completion of the *Disposal Phase* of this project.

Project Manager - Print Name	Project Manager Signature
Solid Waste – Print name/Title	Solid Waste - Signature
Risk Management – Print Name/Title	Risk Management - Signature
Water Department Director – Print Name	Water Department Director - Signature

This completed form shall be retained by the Project Manager and Risk Management for document control purposes.



Appendix I: Document Control Checklist

1	A copy of the Asbestos Abatement Plan has been filed with the Project Manager and Risk	□ YES □ NO
•	Management?	
2	A copy of the completed contract has been filed with the Project Manager and Risk Management?	□YES □NO □N/A
3	A copy of the completed DEP form 62-257-900(1) has been filed with the Project Manager and Risk Management?	□YES □NO □N/A
4	A copy of the Non-Hazardous Waste Manifest, landfill ticket, GPS Coordinates, and Waste Profile have been filed with the Project Manager and Risk Management?	☐ YES ☐ NO
5	An AAR and Project Critique have been completed?	□YES □NO □N/A
6	AAR Results and Project Improvement Strategies have been submitted to the affected departments and Risk Management for immediate implementation?	□YES □NO □N/A
7	Department Asbestos Inventory Form has been updated to reflect changes?	□YES □NO □N/A

The signatures below represent the verification of all items above and the subsequent approval of the completion of the *Document Control* sequence of this project.

Project Manager - Print Name	Project Manager Signature
Risk Management – Print Name/Title	Risk Management - Signature
Water Department - Print Name/Title	Water Department - Signature
Water Department Director - Print Name	Water Department Director - Signature

This completed form shall be retained by the project manager and Risk Management for document control purposes.

Friable Asbestos Containing Materials Express Profiles

	☐ Renewal for Profile Number _					
A. Waste Gen	erator Facility Information					
Generator Name	:					
				e:		
				USEPA ID #:		
	Fitle:			(if applicable): _		
3. Customer	Information 🛘 same as abo	ove			P. O. Number:	
Customer Name:	<u></u>	6. P	hone:		FAX:	
	ZIP:					
				and the same of th		
. Waste Stre	am Information		240.0			
DESCRIPTION						
a. Common Was	ste Name: Friable Asbestos containing r	material (unconta	aminated)			
State Waste	Code(s):					
c. Typical Color	r(s): Any and all					
d. Strong Odor	? 🔲 Yes 🗹 No Describe:					
d. Strong Odors e. Physical Stat	? □ Yes ☑ No Describe: te at 70°F: ☑ Solid □ Liquid	□ Powder				
d. Strong Odors e. Physical Stat f. Layers?	? □ Yes ☑ No Describe: te at 70°F: ☑ Solid □ Liquid □ Single layer □ Multi- layer	□ Powder ✓ NA	☐ Semi-S	olid or Sludge C	Other:	
d. Strong Odors e. Physical Stat f. Layers? g. Water Reacti	P Yes No Describe: te at 70°F: Solid Liquid Single layer Multi- layer ive? Yes No If Yes, Do	Powder NA escribe:	□ Semi-S	olid or Sludge C	Other:	
d. Strong Odor: e. Physical Stat f. Layers? g. Water Reacti h. Free Liquid F	Page 19 Pes 19 Pescribe: The at 70°F: 19 Solid □ Liquid □ Single layer □ Multi-layer Tive? □ Yes 19 No If Yes, Describe: □ Yes 19 No If Yes 19	□ Powder ☑ NA escribe: ☑ NA(solid)	□ Semi-S	olid or Sludge C	Other:	
d. Strong Odor: e. Physical Stat f. Layers? g. Water Reacti h. Free Liquid F i. pH Range:	Property Pr	Powder NA escribe: NA(solid)	Semi-S	olid or Sludge C	Other:	
d. Strong Odor: e. Physical Stat f. Layers? C g. Water Reacti h. Free Liquid F i. pH Range: j. Liquid Flash	Point: No Describe: No Describe: No Describe: No Liquid	Powder NA escribe: NA(solid)	Semi-S	olid or Sludge C	Other:	
d. Strong Odor: e. Physical Stat f. Layers? C g. Water Reacti h. Free Liquid F i. pH Range: j. Liquid Flash k. Flammable S	Point: Yes No Describe: No Describe: Solid Liquid Liquid Liquid Liquid No If Yes, Down No If Yes, Down No If Yes, Down No No No No No No No No No N	Powder NA escribe: NA(solid) NA(solid)	Semi-S Actu	olid or Sludge C al:	① Other:	
d. Strong Odor: e. Physical Stat f. Layers? g. Water Reacti h. Free Liquid F i. pH Range: j. Liquid Flash k. Flammable S l. Physical Cons	Point: Pes No Describe: Pes	Powder NA escribe: NA(solid) NA(solid) NA(solid) NA(solid)	Semi-S Actu NA(solid) e.g. Soil 0-80	olid or Sludge C al: Actual: %, Wood 0-20%):	Other:	hed)
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d. Strong Odor: e. Physical Stat f. Layers? g. Water Reacti h. Free Liquid Fi i. pH Range: j. Liquid Flash k. Flammable S l. Physical Consonstituents (Total Consonstituents (Total Consonstituents) Demolition de ESTIMATED QUA a. □ Event b. Estimated Ai c. Shipping Fre	Yes Solid Liquid L	Powder NA escribe: NA(solid) NA(solid) NA(solid) NA(solid) NA(solid) COPP N	Semi-S Semi-S Actu NA(solid) e.g. Soil 0-80 er Range O Yards	olid or Sludge al: Actual: "%, Wood 0-20%): Unit of Measure % Drums	Other: Gee Attacl Upper Range 100 Solution of the content	hed) Unit of Measure % ify): me
d. Strong Odor: e. Physical Stat f. Layers? g. Water Reacti h. Free Liquid F i. pH Range: j. Liquid Flash k. Flammable S l. Physical Cons onstituents (Total Con Demolition de ESTIMATED QUA a. □ Event b. Estimated Ai c. Shipping Fre d. Is this a U.S	Yes Solid Liquid No Liquid Liqui	Powder NA escribe: NA(solid) NA(so	Semi-S Semi-S Actu NA(solid) e.g. Soil 0-80 er Range O Yards Month Mont	al:	Other: Gee Attacl Upper Range 100 Solution of the content	hed) Unit of Measure % ify): me

Non-Friable Asbestos Containing Materials Express Profile

\wedge	Requested Disposal Facility					
VASTE MANAGEMENT	Renewal for Profile Number					
	rator Facility Information (mus			n of waste ge	neration/origi	n)
					9. FAX:	
State:		_			1	
Contact Name/Tit	tle:	_	12. State ID# (if applicable):		
3. Customer I	nformation 🗆 same as above				P. O. Number:	
Customer Name:		_ 6.	Phone:		FAX:	
	P:					
	m Information					
DESCRIPTION						
	e Name: Non-Friable Asbestos Containing Ma	aterial	s (Uncontaminated	1)		
	ode(s):					
	ess Generating Waste or Source of Contan					
	hat are contaminated with nonfriable a	3500	5105.			
c. Typical Color(s): Any and all					
d. Strong Odor?	☐ Yes ☑ No Describe:					
e. Physical State	at 70°F: 🗹 Solid 🗖 Liquid 🗖	Powd	der 🖵 Semi-So	olid or Sludge	Other:	
f. Layers?	Single layer 🔲 Multi- layer 🗹 M	A				
g. Water Reactiv	e? 🗖 Yes 🗹 No If Yes, Describe	e:				
h. Free Liquid Ra	ange (%): to 🗹 N	NA(so	olid)			
i. pH Range:	□ ≤2 □ 2.1-12.4 □ ≥12.5 ☑ N	NA(so	olid) 🗖 Actu	al:		
	oint: □ < 140°F □ ≥ 140°F					
k. Flammable So						
l. Physical Const	ituents: List all constituents of waste str	ream	- (e.g. Soil 0-80	%, Wood 0-20%):	☐ (See Attached	d)
Constituents (Total Com	position Must be > 100%) position containing materials		Lower Range	Unit of Measure	Upper Range	Unit of Measure
	resids-containing materials	-	100	- 70	_ 100	70
		_			_	
ESTIMATED QUAN	TITY OF WASTE AND SHIPPING INFORMAT	ION				
	Base/Ongoing (Check One)					
b. Estimated An	nual Quantity: 🗖 Tons	Cı	ubic Yards 🔲 🛭	Drums 🖵 Gallon:	other (specify	·):
c. Shipping Free	uency: Units	s per	☐ Month ☐	Quarter 🔲 \	/ear 🔲 One Time	Other
d. Is this a U.S.	Department of Transportation (USDOT) H	azard	dous Material? (I	f yes, answer e.)	☐ Yes ☑ No	
	ng Description (if applicable):					
SAFETY PENLITRE	MENTS (Handling, PPE, etc.): Normal land	dfill s	afety requiremen	nts. Manage waste	so that is does not	become friable

WASTEWATER SPILL OVERFLOW CONTINGENCY PLAN

CARLTON STREET SIDEWALKS AND UTILITY IMPROVEMENTS

The Contractor, due to unforeseen conditions, may encounter or cause a wastewater spill or overflow during his work. The minimum requirements listed below may not address every specific event that could occur. It is the Contractors responsibility to review the items listed below and expand upon them if or when necessary, in the creation of their contingency planning. The Contractor shall submit a Wastewater Spill/Overflow Contingency Plan to Collier County for review and approval prior to start of construction.

It is critically important to be proactive during construction to reduce the potential for wastewater spills and overflows. Listed below are several proactive actions that should be taken at a minimum:

- Maintain list of emergency wastewater haulers for call out to the site should an emergency arise.
- Maintain pumps on site that can be utilized for relieving wastewater backups and surcharges.
- Maintain heavy plastic sheets on site to be utilized for lining containment areas.
- Maintain an adequate supply of lime on site for treating spill areas.
- Meet with County Wastewater Staff whenever necessary to isolate or turn off pumping facilities in order to develop coordinated Contingency Plan, including pumper trucks, etc.
- Meet with County Wastewater Staff and the project manager whenever necessary to temporarily divert or isolate gravity sewer system in order to develop coordinated Contingency Plan, including pumper trucks, etc.

Actions to be taken in case of a wastewater spill or overflow are listed below. Generally, they are listed in the order to be taken, however dependent upon site conditions they may need to be modified. Most of the activities should occur concurrently.

- Immediately contain spill or overflow by berming a containment area and lining area with plastic.
- Take immediate action to stop or reduce the overflow. This could include, but not be limited to: pumping out of surcharged gravity system; coordinating with County to turn on or off pump station(s) as needed; or in case of a force main break, turning off pump station(s) and isolating main with valves.
- Take action to prevent the flow of the spill to any open waters (lakes, canals, etc.). Do not let other sources of water co-mingle with spilled wastewater.
- Contact County Project Manager (or alternate) and CEI representative on site to coordinate
 County response from the Collier County Wastewater Collections, staff County Risk
 Management, and County Pollution Control. As necessary by severity, FDEP and other
 agencies may need to be contacted and become involved.

- Coordinate the cleanup of the wastewater spill/overflow. This can include the pumping back into the wastewater system directly or by use of vactor truck or other methods. Upon removal of all liquid (and solids as possible) treat area with lime to neutralize and disinfect.
- In coordination with County prepare estimate of spilled wastewater volume in gallons.
- In conjunction with County and as appropriate make immediate notification to FDEP and other agencies. This notification will vary based upon volume of spill.
- In conjunction with County Staff prepare written notification to FDEP and other agencies.
- Participate in After Action Meeting to review: cause of spill/overflow; response and action taken; remedial actions; lessons learned and any additional close out actions.

An emergency 24-hour contact list for the Contractor, County, FDEP and Consultant should be attached. A copy of this Plan, and as may be modified, should be maintained at Project site.

PRE-CONSTRUCTION ASSESSMENT FORM Driveway / Replacement Plan / Existing Sod Survey

CARLTON STREET SIDEWALKS AND UTILITY IMPROVEMENTS

Homeowner's Address		
Existing Condition Photograp	ph(s)	Date of Photograph(s):
"Photo"		"Photo"
"Photo"		
Driveway Type:	_ Width at Pavement	: Width at R/W:
Culvert: Yes No	_ Type:	Diameter:
Sod type:		Existing Percentage of Sod Type:
Special Notes:		
Submitted By:		Date:

PRE-CONSTRUCTION ASSESSMENT FORM Driveway / Replacement Plan / Existing Sod Survey

CARLTON STREET SIDEWALKS AND UTILITY IMPROVEMENTS

Homeowner's Address		
Existing Condition Photograp	ph(s)	Date of Photograph(s):
"Photo"		"Photo"
"Photo"		
Driveway Type:	_ Width at Pavement	: Width at R/W:
Culvert: Yes No	_ Type:	Diameter:
Sod type:		Existing Percentage of Sod Type:
Special Notes:		
Submitted By:		Date:

WATER DISTRIBUTION REPLACEMENT BACKFLOW PREVENTION DEVICE

CARLTON STREET SIDEWALKS AND UTILITY IMPROVEMENTS

Upon completion of the new water main construction and its clearance, the new water main connection will be made at the individual services. This shall include new water meter boxes, connection to existing meter and installation of a new County supplied backflow prevention device.

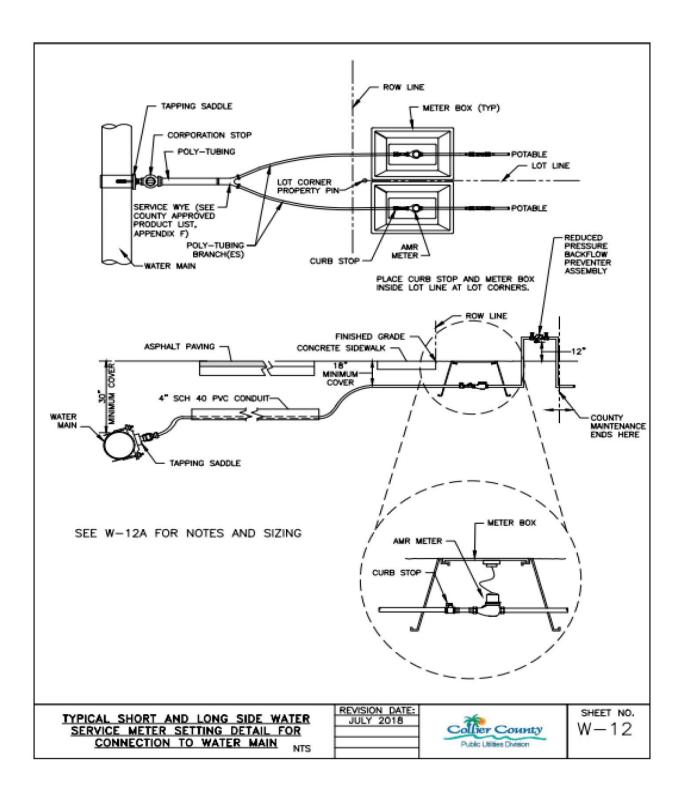
- 1. The County will give a worksheet to the Contractor to fill out each address. The worksheet has the following information: address, names of personnel completing task, BFP #, meter #, parts used, and signature of competent person responsible for completion of task.
- 2. The Contractor shall be responsible for coordinating with each property owner / resident for the connection to the new main and installation of the backflow prevention device. This work should ideally be completed on a street-by-street basis.
- 3. Contractor will be responsible for excavation at each site. It is required that the contractor takes pictures of each site prior to and after the installation. These photos should be attached to the worksheet. The Contractor will not be allowed to start any work until the before pictures are delivered to the Project Manager.
- 4. Contractor may wish to use customers shut-off on the side of the home to minimize dewatering, but in doing so takes full responsibility should the valve fail in the performance of the task.
- 5. Contractor is responsible for locates at the individual worksites.
- 6. The backflow devices shall be picked up by the contractor at the County's Mercantile Facility. A 48 hour advanced notification prior to pick up is required. The Contractor shall provide written receipt of the devices. Upon receipt the Contractor shall be responsible for their security.
- 7. Installation of the assemblies will be per approved Collier County detail Attachment B. Attachment A is provided for reference only. Device will be level and plumb. Connections to the customer's side plumbing will be professional and utilize as few parts as possible, but not adding any undue stress to existing piping. No leakage will be acceptable.
- 8. On completion of backflow preventer installation, the service shall be flushed to the resident's hose bib on incoming side, removing as much air as possible.

- 9. Collier County will be responsible for the testing of the device, once installed. A complete test report will accompany the work order generated for the task.
- 10. Contractor will be responsible for back-filling and site repair (grass, plants, concrete, asphalt, etc.) for each address. This includes any repairs to any pre-existing utilities or structures.
- 11. A completed work form and backflow test report must be submitted for each installation, daily.

METER/BACKFLOW CHANGE-OUT PROCEDURE

- 1. Contractor shall prepare one (1) week in advance a list (by address) of the meters and backflows to be changed out. This will allow the appropriate work orders to be issued by the County to procure the new meters.
- 2. Upon receipt of work order, Contractor and Representative are to provide a verbal notification to the resident prior to shut-off of water. (If no one is present, meter should be observed for any unusual water use in the empty residence. If water use is unusual, no work is to be done until a determination can be made concerning potential landscape irrigation or other use.) Work Order should be verified if any special requirements concerning the service exist (i.e. if service has been terminated or locked out).
- 3. In conjunction with Contractor, the new meter is installed on the new service by County. Contractor installs new backflow at location. Prior to any connection to the existing private service to the house, the County obtains a reading on the existing water meter and records it on the Work Order.
- 4. Service from existing main is then turned off at curb stop at existing meter location. Existing house service is then disconnected from meter. New service is then connected to the house service by Contractor with County present.
- 5. Meter reading is then taken by County at new meter. This is recorded on Work Order.
- 6. Water service is then turned on at the meter and at the same time the closest available house bibb is turned on by the Contractor. This is to allow any potential dirt or debris to be flushed out. House bibb is then shut off. Meter is observed for any unusual water usage. If unusual usage is noted, the resident if present is to be notified immediately. If the resident is not present, the water service should be shut-off at backflow device isolation valve. A notice is to be placed at the front door of the residence and the County customer service group is to be notified of this condition. If there is no usage the service conversion is completed.
- 7. County typically immediately completes the testing of backflow device and certifies its operation. If not done immediately, the testing is done within 24 hours.

8. At some time following conversion of service from old main to the new main, the existing meters, meter boxes are removed by Contractor and system abandonment is completed.





Model 975XL

Reduced Pressure Principle Assembly

Application

Designed for installation on water lines to protect against both backsiphonage and backpressure of contaminated water into the potable water supply. Assembly shall provide protection where a potential health hazard exists. For non-potable applications only.

Standards Compliance

- ASSE® Listed 1013
- IAPMO® Listed
- · UL® Classified (less shut-off valves or with OS&Y valves
- · C-UL® Classified
- CSA® Certified B64.4
- AWWA compliant C511
- · Approved by the Foundation for Cross Connection Control and Hydraulic Research at the University of Southern California
- NYC MEA 425-89-M VOL 3

Materials

Main valve body Cast Bronze ASTM B 584 Access covers Cast Bronze ASTM B 584 Fasteners Stainless Steel, 300 Series

Silicone Flastomera **Buna Nitrile**

Polymers Noryl™ Springs Stainless Steel, 300 series

Features

Sizes: 3/4", 1", 1-1/4", 1-1/2", 2" Maximum working water pressure 175 PSI Maximum working water temperature 180°F Hydrostatic test pressure 350 PSI End connections Threaded ANSI B1.20.1

Relief Valve discharge port:

3/4' - 1' 0.63 sq. in. 1 1/4" - 2" 1.19 sq. in.



Options

(Suffixes can be combined)

- with full port QT ball valves (standard) L - less ball valves, male pipe thread U - with union ball valves (3/4" & 1") S - with bronze "Y" type strainer FDC - with fire hydrant connection; 2" only

FT - with integral male 45° flare SAE test fitting

TCU - with test cocks up

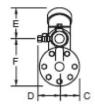
SE - with street elbows (3/4" & 1")

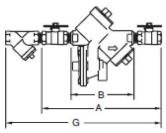
Accessories

Air gap (Model AG) Repair kits

Thermal expansion tank (Mdl. XT) Soft seated check valve (Model 40XL2) Shock arrester (Model 1260XL)

QT-SET Quick Test Fitting Set





Dimensions & Weights (do not include pkg.)

MOE	20		DIMENSIONS (approximate)														
975 SIZ	XL	А		В		С		ı)	E		F		G			BALL
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kg
3/4	20	12	305	7 3/4	197	2 1/8	54	3	76	3 1/2	89	5	127	16 1/8	410	12	5.5
1	25	13	330	7 3/4	197	2 1/8	54	3	76	3 1/2	89	5	127	17 3/8	441	14	6.4
1 1/4	32	17	432	10 15/16	278	2 3/4	70	3 1/2	89	5	127	63/4	171	22 9/16	573	28	12.7
1 1/2	40	17 3/8	441	10 15/16	278	2 3/4	70	3 1/2	89	5	127	6 3/4	171	24 1/16	611	28	12.7
2	50	18 1/2	470	10 15/16	278	2 3/4	70	3 1/2	89	5	127	63/4	171	26 1/2	673	34	15.4

Zurn Industries, LLC | Wilkins 1747 Commerce Way, Paso Robies, CAU.S.A. 93446 Ph. 855-663-9676, Fax 805-238-5766

In Canada | Zum Industries Limited

7900 Goreway Drive, Unit 10, Brampton, Ontario L6T 5W6, 877-892-5216

www.zurn.com

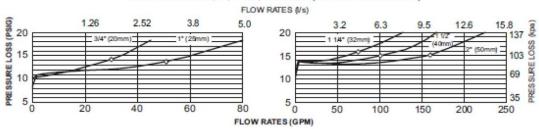
Hev. G Date: 8/20 Document No. BF-975XL Product No. Model 975XL

Page 1 of 2

Flow Characteristics

Rated Flow (established by approval agencie

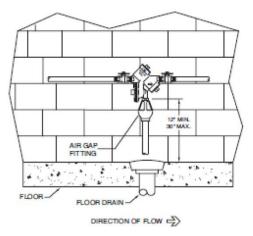
MODEL 975XL 3/4", 1", 1 1/4", 1 1/2" & 2" (STANDARD & METRIC)

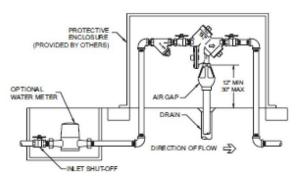


Typical Installation

Local codes shall govern installation requirements. To be installed in accordance with the manufacturers' instructions and the latest edition of the Uniform Plumbing Code. Unless otherwise specified, the assembly shall be mounted at a minimum of 12' (305mm) and a maximum of 30' (762mm) above adequate drains with sufficient side clearance for testing and maintenance. The installation shall be made so that no part of the unit can be submerged.

	Capacity to	hru Schedule	e 40 Pipe	
Pipe size	5 ft/sec	7.5 ft/sec	10 ft/sec	15 ft/sec
1/8"	1	1	2	3
1/4"	2	2	3	5
3/8"	3	4	6	9
1/2"	5	7	9	14
3/4"	8	12	17	25
1"	13	20	27	40
1 1/4"	23	35	47	70
1 1/2"	32	48	63	95
2"	52	78	105	167





INDOOR INSTALLATION

OUTDOOR INSTALLATION

Specifications

The Reduced Pressure Principle Backflow Preventer shall be shall be ASSE® Listed 1013, rated to 180°F, and supplied with full port ball valves. The main body and access covers shall be bronze (ASTM B 584), the seat ring and all internal polymers shall be Noryl™ and the seat disc elastomers shall be silicone. The first and second checks shall be accessible for maintenance without removing the relief valve or the entire device from the line. If installed indoors, the installation shall be supplied with an air gap adapter. For use in non-potable applications only. The Reduced Pressure Principle Backflow Preventer shall be a ZURN WILKINS Model 975XL.

Zum Industries, LLC | Wilkins 1747 Commerce Way, Paso Robies, CA U.S.A. 93446 Ph. 855-663-9676, Fax 805-238-5766

In Canada | Zum Industries Limited

7900 Goreway Drive, Unit 10, Brampton, Ontario L6T 5W6, 877-892-5216

www.zurn.com

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2885 South Horseshoe Drive Naples, FL 34104 (239) 252-8192 www.colliercountyfl.gov

Road Alert Notification Form for Lane Closures and Road Closures

ROAD ALERTS and ROAD ALERT UPDATES are prepared by the Collier County Growth Management Department to inform the community about scheduled road construction and road maintenance projects along major roadways in Collier County where lane closures are planned, or traffic flow may be affected. Road Alerts are normally **prepared weekly on Wednesday**.

Complete and return this form by e-mail to: <u>Growth.Management@colliercountyfl.gov</u> and Danielle Bates <u>Danielle.Bates@colliercountyfl.gov</u> and Connie Deane <u>Connie.Deane@colliercountyfl.gov</u> and Desiree Hart <u>Desiree.Hart@colliercountyfl.gov</u>.

Any guestions, phone: 239-252-8192 or 239-252-8365.

, -,				
Contac	ct Information			
1)	Name of Company/Contractor/CEI (submitting	g the form):		
2)	Contact Name:			
3)				
4)	E-mail:			
5)				
Type of	of Work and Permitting Information			
6)	Type of work			
	a. Collier County – County Contact (name	e and phone):		
	b. Utility such as FPL, TECO – Company N			
	c. Private Company – Company Name: _			
7)				
Lane Cl	Closure Information			
	Location of lane closure (select one):			
,	a. 🗆 On Road:			
			#2:	
	b. Intersection At – Road #1:			
9)				
	Start date:			
	End date:			
10))) Hours of lane closure: \square 9 a.m3 p.m.			ht)
	\square Other (prior approval from County Contact	and/or on Permit):		
11)	L) Reason for lane closure:			
12)	2) Direction of work (check all that apply):			
	\square eastbound \square westbound	\square northbound	\square southbound	
13)	B) Which lane(s) closed? (check all that apply):			
	\square through lane \square right turn lane	\square left turn lane	\square roadsides	
	\square inside lane \square outside lane	\square median	\square sidewalks	
	a.) If you are closing a turn lane can drivers sti	ill make the turn from adj	acent through lane? \square yes \square no	
	b.) Or from other turn lane(s)? \square yes \square no)		
14)	l) Type of closure (may check more than one bu	t be clear as to what is pl	anned):	
	☐ Intermittent ☐ Ro	olling (moving continuously	along the roadway)	
	\square Road Closed to <u>ALL</u> Traffic \square Ro	oad Closed to Through Tra	affic:	
	\square Reduced from:	lane(s) to _		lane(s)
	\square Other:			
	Notes:			
15)	5) Detour:			

16) All Maintenance of Traffic (MOT) shall be in accordance with the current year standard plan.