SIDEWALK REPLACEMENT & INSTALLATION-ANNUAL CONTRACT

February 8, 2013

3.0 TECHNICAL SPECIFICATIONS

GENERAL SCOPE OF WORK- Contractor will not be required to replace or install less than a combined 100 linear feet of sidewalks within one square mile per task order and/or purchase order.

A. Contractor shall furnish all materials, labor, supervision, and transportation, permits, licenses, equipment and any incidentals necessary to perform these services as stated herein.

B. The work includes removal of grass and other materials to prepare the ground for sidewalk installation. Additional tasks will include installation of handicap ramps at intersections of Streets and Avenues where indicated by City of Pompano Beach. All form work and site preparation shall be conducted with minimum impact and/or damage to adjacent properties.

C. Remove and dispose of existing trees as indicated by the City of Pompano Beach will make such determination of size deemed acceptable.

D. New four and/or six inches thick sidewalks shall be constructed in accordance with Florida Accessibility Code for Building Construction, latest edition, and Section 522 of the FDOT SSR &BC, latest edition other requirement as required.

E. Handicap ramps shall be installed at intersections of Streets and Avenues within the ROW only, per Typical Handicap Ramp Layout Detail.

F. Any disturbed swale areas, private property; other public property shall be re-sodded per Sod Specifications and graded properly as per speciation at the Contractor's expense.

G. Where any existing elevation is lower than sidewalk, lime rock must be spread and compacted to a minimum of 95%. Lime rock may be used where there is no approach and between new sidewalk to fill any gaps. Compacted to avoid settling. Delivery Ticket must be provided to City to determine payment. City Engineer must pre-approve.

H. Any damage to the roadway, driveway approaches, driveways, abutting sidewalks, aprons surrounding catch basins, manholes, etc. shall be repaired at no expense to the City of Pompano Beach, if determined by the City to be repairs due to negligence or lack of coordination on the part of the Contractor. Re-paving shall be per Pavement Specifications and The City of Pompano Beach Public Works Manual.

I. Purchase and installation of Florida #1 Live Oak Trees, Mahogany, Crape Myrtle and or Silver Buttonwood with 10' to 12' overall height.

J. Drawings added include the following:
1. Planting Detail
2. FDOT Curb and Gutter Drawing
3. Pedestrian Ramps
4. Sidewalk Detail

K. At the discretion and direction of The City of Pompano Beach, each block where sidewalks are to be installed, surveys will be required to establish R.O.W. centerline and width and/or to establish the required property line for the construction of new sidewalks. This service shall be performed by a Professional Registered Surveyor in the State of Florida.

END OF SECTION

REPLACEMENT & INSTALLATION OF SIDEWALKS

SECTION 3.1
TEMPORARY FACILITIES

3.1 SECURITY

A. The contractor is responsible for project security. Contractor shall protect and secure the site, materials, and equipment from theft and damage, by whatever means deems effective, at Contractor's cost.

B. Work site(s) must be protected properly in accordance with all Federal, State, County and Municipal laws and ordinances, at the end of each work day and weekends.

3.2 SPECIAL CONTROLS

A. Water Control:
1. Keeps excavations dry.
2. Shape excavations, particularly piles of excavated materials, so as to divert water from excavations and low spots.

B. Erosion and Sedimentation Control:
1. Prevent the pollution of land, air and water and control the erosion, washout and surface runoff of earth and stockpiled materials.
2. Fill material shall contain no organic matter other than the normal organic component of topsoil.
3. Immediately upon completion of final grading, stabilize graded areas with temporary or permanent vegetation, mulch, or paving.

3.3 MAINTENANCE OF TRAFFIC

A. Control of vehicles and Persons:

1. Provide trained personnel to assure the orderly flow of vehicular traffic during contraction.
2. Contractor shall submit a Maintenance of Traffic Plan (MOT) for review and acceptance by the City when required.
3. Upon completion of work each day the lanes shall be opened to traffic. Lane closure procedures shall be in accordance to the F.D.O.T Standards provided.
4. Ensure that private property driveways are usable upon completion of daily work.

B. Limit of Operations:

1. Any damage or alterations to area outside of operations shall be returned to original condition within 24 hours at no cost to the City.

3.4 PROJECT IDENTIFICATION

A. No signs, or advertisements will be allowed to be displayed on the premises without the approval of City Representative.

3.5 PROJECT HOUSEKEEPING

A. Trash Disposal

1. Keep adjacent streets and site free from accumulation of waste material and rubbish.
2. Provide central waste area with containers for at least daily removal.

B. Burning:

1. Do not burn any trash or other material on site.

C. Material Removal/Additional Soil:

1. Excess material, including demolished material, roots from trees, excess building materials are property of the contractor and shall be removed from site daily and legally disposed of.

2. All material excavated or brought to the project for use/reuse shall be piled within the Public Right-of-Way in a location previously

approved by the City of Pompano Beach.

3. The Contractor shall leave all locations in an acceptable manner once concrete has been poured. Contractor shall coordinate work to ensure that all sites are clean, sodded as required, and acceptable prior to mobilizing to other locations.

4. The Contractor shall replace any sod, concrete and/or asphalt removed, damaged or displaced during demolition or performance of work at Contractor's expense.

END OF SECTION

REPLACEMENT & INSTALLATION OF SIDEWALKS

SECTION 4.0
POURED CONCRETE
Sidewalk & Handicap Ramps & Curbs

4.0 DESCRIPTION

A. Provide poured concrete at locations where no sidewalks or ramps exist to be per drawings and specifications.

B. Provide poured concrete in locations where existing sidewalk must be replaced per drawings and specifications.

C. Provide curb cuts where proposed sidewalks and/or handicap ramps are installed and there is a conflict with existing curbs. Curb cuts shall be per FDOT design standards. All curbs shall be cut and transitioned in an acceptable manner. All surrounding pavement, sod, asphalt shall be restored to the existing elevation at the Contractor's expense.

4.1 QUALITY ASSURANCE

A. Testing and Inspection of Installation

1. Concrete shall not be poured, placed or installed until such time an inspection of all sites has taken place by the City of Pompano Beach authorized personnel. Inspections shall be made to verify appropriate compaction of subbase and to check forms for line and grade.

2. The City of Pompano Beach will inspect the installation. If any concrete is found to be installed improperly, the Contractor will be required to remove and replace promptly. Upon notifications from the contractor, the City of Pompano Beach will perform a re-inspection. Should additional concrete be found to be unsatisfactorily installed, and additional inspections required, these inspections shall be at the
Contractor's cost, at the discretion of the City of Pompano Beach.

4.2 PRODUCTS

A. Concrete

1. Forms:
steel, wood, or other suitable material of size and strength to resist movement during concrete placement. Conform to ACI 301.

2. All joints if required by City of Pompano:
Joints must be scribed to help prevent cracking per FDOT design standards.

3. Concrete Mix Design:
Mix concrete shall be provided from a FDOT approved supplier. Mix design certification will be required before the unset of any work

Design mix to produce normal-weight concrete consisting of Portland cement, aggregate and water to produce the following properties:

a. Compressive strength: 3000 psi, minimum at 28 days
b. Slump range: 4" to 6"
c. Un-reinforced

B. Biobarrier

1. Hort Enterprises-Ft. Lauderdale (954)771-5761 or equal. Twelve inch (12") wide roll.

C. Lime Rock- Miami Oolite Formation

1. Lime rock shall be in accordance with FDOT Standard Specifications for Road and Bridge Construction, Section #911
latest edition. Material shall be fragmented or broken up to such a size that not less than 97% will pass a 3 1/3" sieve.

a. Carbonates of Calcium and Magnesium Min. 60.0
or LBR exceed 150

b. Organic Matter Max. 0.5

D. Detectable Warning Surfaces

1. Cast-In-Place type shall be in accordance with ADA Regulation for Detectable Warning on Curb Ramps and shall consist of a surface Of truncate domes aligned in a square of radial grid pattern and shall Comply with R304.

2. Replaceable or Surface Mount type shall be in accordance with ADA Regulation for Detectable Warning on Curb Ramps and shall consist of a surface of truncated domes aligned in a square of radial grid pattern and shall comply with R304.

4.03 EXECUTION

A. Inspect surfaces for conditions that will adversely affect the quality of installation. Do not proceed with the installation until adverse conditions have been complete.

B. Compact sub base surface immediately before placing concrete.

C. Cleaning and grubbing, removal and disposal of existing dirt, grass, roots.

D. Replace organic material with clean fill and installed up to 6" lifts and Compact to a minimum of 95% compaction.

E. The City of Pompano Beach has the right to request compaction test at locations chosen by the City. Should compaction tests be found to be unsatisfactory, and additional inspections required, these inspections shall be at the Contractor's cost, at the discretion of the City of Pompano Beach.

F. Concrete finishing:

a. Smooth surface by screeding and floating. Produce a uniform texture.
b. Work edges of slab to a ½" radius. Eliminate tool marks on concrete surface.
c. Broom finish after excess moisture has disappeared.

4.4 INSTALLATION

A. General: Comply with requirements Florida Accessibility Code for Building Construction, latest edition, and Section 522 of the FDOT-SSR&BC, latest edition and other requirement as required.

B. All sidewalks and ramps shall be four inches (4") or six inches (6") thick except across driveways, driveway approached, and first five feet (5') of ramps closets to paved roadways where that shall be six inches (6") thick.

C. Sidewalk elevation shall be even above the crown of the road, at the back side of the sidewalk and the pitch shall be 1 inch per foot toward the road. Elevation may be adjusted, based on the existing grade, as approved by the City of Pompano Beach.

D. Contractor shall ensure that where handicap ramps are installed per FDOT design standards. The cut shall be provided at least one foot (1') behind the transition point. All modifications to the curb shall match existing curbs and shall be flush without exception.

E. No wire or wire mesh shall be utilized.

F. Concrete shall not be poured, placed, or installed until such time as an Inspection of all sites has taken place as per Section 4.2 QUALITY ASSURANCE. **IF ANY WORK OR PORTION OF WORK HAS NOT BEEN INSPECTED AS PER SECTION 4.2, THAT PORTION OF WORK SHALL BE IMMEDIATELY REMOVED AND REPLACED ONCE THE INSPECTION HAS BEEN CONFIRMED AT NO COST TO THE CITY OF POMPANO BEACH.**

G. Place concrete using methods which prevent segregation of mix. Consolidate concrete along face of forms and adjacent to transverse joints with internal vibrator. Keep vibrator away from joint assemblies, or side forms. Use only square-faced shovels for hand-spreading and consolidation. Consolidate with care to prevent dislocation of re-enforcing, dowel, and joint devices.

H. Deposit and spread concrete in a continuous operation between transverse joints, as far as possible.

I. Contractor shall replace all damaged or misaligned private walkways and driveways with a transition to the property at 8 to 1 fill slope transition. All other locations shall have a 4 to 1 fill slope transition. Organic material or lime rock, City of Pompano Beach will determine which material, may be used in areas outside walkways and driveways that require fill slopes.

J. Avoid premature cracking b installing expansions joint where and when required by the City of Pompano Beach.

K. Utility boxes shall be raised to sidewalk elevations or flushed with sidewalk as to prevent trip hazard. If existing boxes and/or values are broken prior to installation Contractor must replace at its own expense.

L. Install Biobarrier prior to forming and pouring concrete.

M. Install Biobarrier at existing trees and new trees. Length of biobarrier shall be ten feet (10') long centered on the tree by (12") deep at one inch – two (1"-2") below the top of the sidewalk. See Section 6.0 for additional information.

N. Concrete shall not be poured, installed or place around manholes, cleanouts, or other structures until they are at required elevations and alignment. Contractor shall notify the City of Pompano Beach in writing of manholes, cleanouts, or other items that may require relocation or modification prior to pour.

O. All sidewalks that the City of Pompano Beach has determined to be replaced due to deterioration, cracking, uplifting, improper sloping, misalignments, grade etc. Will be removed and replaced as required by specification.

P. Removal of existing sidewalk shall be performed by saw cutting the section of unacceptable sidewalk (as determined by the City of Pompano Beach) at the nearest acceptable five foot (5") flag. New sidewalk shall be poured in its place as established by specifications.

Q. All areas where existing sidewalk is to be replaced must be prepared and graded to match adjacent sidewalk flags.

R. All replacement sidewalk sections shall be installed to match the existing sidewalk elevation.

S. Contractor shall restore all sites to the pre-existing condition or better, adding sod at Contractor's expense if existing is damaged. If existing site, prior to sidewalk replacement/installation, does not have sod, clean fill (soil) must be added to avoid gaps nest to sidewalk.

T. Cast-In-Place tactile units shall be used for new ramp locations. Tactile units can be pre-filled w/concrete and set in place or pressed into place in freshly poured concrete. On ramps that are perpendicular with curb line the dome pattern shall be in-line with the direction of travel. On ramps intersecting curbs on a radius, the dome pattern shall be in-line with the

the direction of travel to the extent practical.

U. Replaceable or Surface Mount tactile units shall be used on existing concert or damaged existing detectable warning surfaces. Installation area shall be cleaned of all debris, oil and grease, to ensure area is completely free of moisture. All concrete dust present on the tactile panel resulting from drilling process must be cleaned off tactile panel prior to using any caulking materials. Caulk around perimeter of entire installation using Sonneborn NP1 or an approved equivalent. On ramps that are perpendicular with the curb line the dome pattern shall be in-line with the direction of travel. On ramps intersecting curbs on a radius, the dome pattern shall be in-line with the direction of travel to the extent practical.

END OF SECTION

REPLACEMENT & INSTALLATION OF SIDEWALKS

SECTION 5.0
PROTECTION STORM DRAINS

5.0 PROTECTION

A. All storm drain inlet must be protected, from sediments entering the storm Water conveyance system prior to disturbance to the area.

B. All sediment and erosion control practices must be in accordance with the Florida Department of Environmental Protection Storm Water Sediment and Erosion Control Manual Section 4.08 (storm Drain Protection Procedures) (Best Management Practices BMPs).

END OF SECTION

REPLACEMENT & INSTALLATION OF SIDEWALKS

SECTION 6.0
CONCRETE CURB AND GUTTER

6.0 DESCRIPTION

A. All curb and gutter shall be formed and installed in accordance with State of Florida Department of Transportation Roadway and Traffic Design Standards (FDOT). Curb and gutter not installed in accordance With these specifications will be removed and replace at the expense of Contractor.

B. Related work:
   1. Cleaning and Removal Section 3.0

6.1 QUALITY ASSURANCE

A. Testing and Inspection of Installation

   1. The City of Pompano Beach will inspect the installation. If any concrete is found to not be installed adequately, the Proposer will be required to remove and replace promptly. Upon notifications from the Proposer, the City of Pompano Beach will perform a re-inspection should additional concrete be found to be unsatisfactorily installed, and additional inspections required, these inspections shall shall be at the Contractor's cost, at the discretion of the City.

6.2 PRODUCTS

A. Concrete
   1. Forms:
      Steel, wood or other suitable material of size and strength to resist movement during concrete placement. Conform to ACI 301. height shall be equal to the full depth of the finished sidewalk, curb and gutter with a flat top surface and be inspected and approved by the City of Pompano Beach prior to pouring.

   2. Concrete Mix Design:
      Mix concrete in accordance with ASTM C94

      Design Mix to produce normal-weight concrete consisting of Portland cement, aggregate and water to produce the following properties:

a. Compressive strength: 3000 spi, minimum d at 28 days
b. Slump range: 4" to 6"
c. Air content: 5% to 8%

6.3 INSTALLATION

A. Cast-in-place curb and gutter Type" F" shall be a thickness, size, and shall be 24" x 12", including drop curb, transitions, and reconstruction of base where required.

B. Cast-in-place curb Type" D" shall be of thickness, size, shape and be 12", including drop curb, transitions, and reconstruction of base where required.

C. Valley-gutter shall be of thickness, size, shape of standard FDOT gutter.

D. Curbs shall receive a broom finish. Two 1 1/2" PVC sleeves of adequate length shall be provided by the Contractor to go under all required curb and gutter to allow for electrical and water access.

E. Gutter elevations shall maintain a consistent elevation with roadway and shall be installed so as not to obstruct the natural flow of run-off in the area.

F. Sawcuts shall be provided every ten feet (10') to a depth of 1/8" – ¼".

G. Proposer shall cut the roadway straight and even with asphalt cutting equipment where the curb and gutter meets the existing roadway. Any voids between the new curb and gutter and existing asphalt shall be filled with F. D. O. T. approved asphaltic concrete patch. Concrete voids shall also be filled with F. D. O. T. approved concrete patch.

H. Clearing and grubbing, removal and proper disposal of existing curb and gutter. Restoration of sites to pre-existing condition or better, adding sod at Contractor's expense if damaged. Clean fill (soil) (if no per-existing sod at location) must be added to avoid gaps next to curb.

END OF SECTION

REPLACEMENT & INSTALLATION OF SIDEWALKS

SECTION 7.0
TREE REMOVAL & PRESERVATION

7.0 REMOVALS

A. **Only** the trees and/or shrubs that are deemed by the City of Pompano Beach to interfere with the intent of the contract shall be removed or root pruned as needed. All cost associated with vegetation removal and/or root pruning, trimming, clearing and grubbing, grinding of stumps and roots shall be included in the unit price.

B. The contractor shall be required to review the site prior to performance of work and ensure no conflicts exist. Any tree in conflict with the expected location of new sidewalk shall be reported to the City of Pompano Beach for review.

C. Remove trees and grind stumps and all surface roots to a minimum of 4" below grade.

D. Restore the location where tree removals take place with soil and sod at grade.

7.01 PERSERVATION

The following actions and precautions shall be done to protect any trees that will Remain in all of the construction areas during construction. These trees shall be Those located near new sidewalk installation.

A. Root Pruning
   1. All existing trees shall be root pruned along the sidewalk prior to removal, excavation and installation.
   2. The root cutting shall be clean with no tears with root pruning machine.
   3. The cut shall extend from the tree out 4 feet minimum in both directions, or as the field may permit to ensure the protection of the tree.
   4. The cut shall be 12 inches below grade.
   5. The cut shall be no wider than 3 inches.

B. Protective Barriers
   1. Barriers shall be placed <u>no less</u> than 6 feet around each tree or <u>no less</u> than 1 foot from edge of street, sidewalk or driveway.

2. Barriers shall be a minimum of 4 feet above ground level, constructed of wood, metal or rigid plastic, in the form of a fence. No barrier shall be secured in any way to the tree.

3. Barriers shall be in installed prior to construction and remain until the City of Pompano authorized their removal.
4. No excess oil, fill, equipment, building materials or debris shall be places within the barriers.
5. The existing grade within the barrier shall not be changed.

END OF SECTION

REPLACEMENT & INSTALLATION OF SIDEWALKS

SECTION 8.00
SOD & INSTALLATION

8.0 MATERIALS

A. Sod shall be St. Augustine "Flora tam", grade A.

B. Sod shall be Bahia Sod, grade A.

C. Sod shall be weed and insect free.

8.1 INTRALLATION

Those areas disturbed as a consequence of sidewalk, installation and those areas disturbed as a consequence of Contractor mobilization and stock piling shall be restored promptly at Contractor's expense.

The Contractor shall not utilize methods of mobilization or execution of work that impacts private/public areas excessively and/or in a manner that is unacceptable the City of Pompano Beach. Contractor shall ensure that all private and/or public areas impacted by the mobilization, stock piling, or lack of coordination as interpreted by the City of Pompano Beach are restored at no cost to the City.

A. Only damaged areas of swales or private property shall be replaced. When Sidewalks require to be elevated above existing grade, swales shall be graded to a 12 to 1 fill slope with sod.

B. Sodded areas shall have any compaction relived, graded, cleaning, grubbing, Raked smooth and rocks or debris removed.

C. Areas along street and sidewalk shall be 2 inches below that surface so installed sod will be level with that surface.

D. Sod will be laid tightly together, and cut to a uniform edge along hard surfaces and around trees or palms. The sod around trees or palms shall be laid encircling to within 18 inches, or up to the berm surrounding newly installed trees palms.

E. Sod shall be watered within one hour of installation shall be maintained moist.

8.2 QUALITY ASSURANCE

A. No sub-par sod, or broken pieces will be accepted, and shall be removed from the site daily.
B. No yellow sod will be accepted.
C. Sod shall not be pieced together with scraps that do not have sufficient roots sustain growth.
D. Contractor is responsible for his own square foot takes-offs to provide 100% sod coverage throughout the scope of the project.
E. Rejected areas will be removed and replaced immediately, and all sod maintained until final acceptance.

8.3 CITY REQUESTED SOD INSTALLATION

The City may request the installation of St. Augustine or Bahia sod which shall be Install as above.

END OF SECTION

REPLACEMENT & INSTALLATION OF SIDEWALKS

SECTION 9.0
PAVEMENT

9.0 MATERIALS

A. Aspaltic Concrete Type III including Tack Coat
B. Concrete 3,000 PSI

9.1 PAVEMENT

A. Pavement repairs of driveway approaches and section of driveways effective by installation of sidewalks shall be re-installed with one inch (1") of asphalt in accordance with the FDOT Manual of Uniform Minimum Standards for Design, Construction & Maintenance for Streets & Highways, latest edition.

B. Concrete repairs may be limited to damage which results as part of Construction and elevation changes of new sidewalk.

C. The City of Pompano Beach may request Contractor to repair any existing driveway approached that are damaged prior to installation of sidewalk.

9.2 EXECUTION

A. Contractor shall repair asphalt/concrete driveway approached where existing approaches are damaged by construction process at **Contractor's expense.**

9.3 QUALITY ASSURANCE

A. Testing and Inspection of Installation

1. The City of Pompano Beach will inspect the installation. If any asphalt of concrete is found to not be installed adequately, the Contractor will be required to remove and replace promptly. Upon notification from the contractor, the City of Pompano Beach will perform a re-inspection. Should additional asphalt be found to be unsatisfactorily installed and additional inspections are required, these inspections shall be at Contractor's cost, at the discretion of the City of Pompano Beach.

END OF SECTION

REPLACEMENT & INSTALLATION OF SIDEWALKS

SECTION 10.00
TREES

10.0 MATERIALS

A. Live Oaks, Mahogany, Crape Myrtle, Silver Buttons shall be graded Florida # 1 or better.

B. Ten to Twelve foot (10' -12') Oaks shall have a minimum spread of five Foot (5') and a caliper of two inches (2").

10.1 INSTALLATION

A. Trees shall be installed in a straight line.

B. Bottom of planting hole shall be scarified to a minimum depth of eight (8'), breakthrough and loosen all hardpan (remove if necessary to facilitate drainage).

C. Set tree level with its original grade or slightly higher no more than 1" to 2".

D. Backfill planting hole after tree is set with soil consisting of a homogeneous mixture of: 40% sand, 45% peat moss, 15% pine bark and mixed with: 50% with the excavated soil from the planting site.

E. Tree shall be thoroughly watered in to eliminate any and all air pockets.

F. A six inch (6") high rim of dirt shall be installed around excavated hole to form a saucer shape, which will hold water around the root ball.

G. Fertilizer Agriform tablets 20-10-5, six (6) per tree shall be applied during backfilling of hole.

H. A three (3") layer of mulch shall extend from the outside rim to the saucer to three inches (3") away from the base of the tree.

I. Tree shall be braced using three (3) 2" x 4" x 8" stakes attached with black Rubber hose ½" dia. Tied with double strand 12 gauge galvanize wire.

END OF SECTION

REPLACEMENT & INSTALLATION OF SIDEWALKS

SECTION 11.0
IRRIGATION

11.0 CONDITIONS

A. Contractor is responsible for identifying any irrigation piping at residents may have either in the swale or along the existing sidewalk. Any irrigation piping, sprinklers or wiring must be replaced and relocated when lines are encroaching into the ROW where new sidewalks are to be installed, to the

residents' satisfaction.

B. Contractor shall identify and document all locations and notify the City's authorize personnel of any existing irrigation systems. Documents will be used by the City's authorize personnel for inspection to verify satisfactory repairs or replacement.

11.2 INSTALLATION

A. Any piping that is removed shall be replaced with same diameter PVC. Schedule 40 PVC fittings shall be used.

B. Sprinklers shall be new for inch (4") or less pop-up head with a maximum Spray radius of fifteen (15') feet.

END OF SECTION

REPLACEMENT & INSTALLATION OF SIDEWALKS

SECTION 12.00
FENCING

12.0 MATERIALS

A. Chain link fabric – Shall be, steel No. 9 gauge wire woven, in a two inch diamond (2") mesh, hot dipped galvanized anchor fence with a zinc coating a minimum of 1.2 ounces per square foot complying with ASTM A-392. weight of zinc coating shall be determined as defined in ASTM Designation A-90.

B. Posts and Other Appurtenances – all posts and other appurtenances used in the construction of the fence shall be hot dipped galvanized with a minimum of 1.8 ounces per square foot of surface and black or green vinyl coated as noted above. Pipe section shall conform to the requirements of ASTM Designation A-53. End, line and corner posts shall be two (2") O.D. pipe weighing 2.27 lbs. per linear foot.

C. Railing – all railing inclusive of top, bottom and mid shall be 1-5/8" O.D. pipe weighing 1.43 lbs. per linear foot. Top rail shall be provided with couplings approximately every 20 feet. Couplings are to be outside sleeve type, at least six inches (6") long.

D. Fittings – all fittings shall be galvanized malleable iron or pressed steel; all bands shall be beveled edge non-climbable type.

12.1 CONDITIONS

A. Contractor is responsible for identifying any existing fencing that residents may have either in the swale or along the existing sidewalk. Any fencing must be relocated to the City's satisfaction.

B. Contractor shall identify and document all locations and notify the City of Pompano's authorize personnel of any existing fences. Documents will be used by the City's authorize personnel for inspection to verify satisfactory re-location.

12.2 INSTALLATION

A. Any fencing that is removed shall be replaced with like material or re-located in compliance with applicable codes and regulations. Shall include disposal of existing fencing and restoration that include sod.

B. Contractor shall adjust heights of existing fence gates when the sidewalk elevation conflicts with their use.

END OF SECTION

REPLACEMENT & INSTALLATION OF SIDEWALKS

SECTION 13.0
SIGN RELOCATION

13.0 CONDITIONS

A. Contractor is responsible for identifying any existing signs in right-of –way (ROW) that may be in conflict with installation of sidewalk.

13.1 INSTALLATION

A. These signs may include but not limited to: bus stop, regulatory or informational signs, stop signs, speed zone signs, etc. any signs relocated must be pre-approved by Public Works Designee. Signs or facility that have electric are not part of this work.

END OF SECTION

REPLACEMENT & INSTALLATION OF SIDEWALKS

SECTION 14.0
PRESSURE CLEANING

14.0 CONDITIONS

A. Brick Pavers or Paver Blocks in area of replacement or installation of sidewalks may require pressure cleaning.

B. Existing concrete sidewalks in area of installation of sidewalks may require pressure cleaning.

14.1 INSTALLATION

A. Pressure clean brick pavers or paver blocks to high quality-new new conditions, with no streaking to remove all dirt, mildew, stains (including oil), gum, tire/location marks, graffiti etc. Any voids to be filled with clean sand.

B. Pressure clean brick pavers or paver blocks to high quality-new new Conditions, with no streaking to remove all dirt, mildew, stains, (including oil), gum, tire/location marks, graffiti etc. Any voids to be filled with clean sand. After Hours- 7:00PM to 5:00AM and weekends as per Public Works Designee.

C. Pressure clean concrete sidewalks to high quality-new new conditions, with no streaking to remove all dirt, mildew, stains, (including oil), gum, tire/location marks, graffiti etc.

D. Pressure clean concrete sidewalks to high quality-new new conditions, with no streaking to remove all dirt, mildew, stains (including oil), gum, tire/locations marks, graffiti etc. After Hours- 7:00 PM to 5:00AM and weekends as per Public Works Designee.