CITY OF NORTH MIAMI
PUBLIC WORKS
WISLER PIERRE-LOUIS, P.E., DIRECTOR

N.E. 10th AVENUE/ N.E. 123rd STREET
TRAFFIC CIRCLE

PROJECT
N.E. 10th Ave & N.E. 123rd St.

GOVERNING STANDARDS AND SPECIFICATIONS:
- FLORIDA DEPARTMENT OF TRANSPORTATION
- DESIGN STANDARDS DATED 2018.
- AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED 2018.

NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.

ROADWAY PLANS
ENGINEER OF RECORD:Carlos E. Verson, P.E.

P.E. NO.: 60387

SUBMITTAL PHASE: 100%
SUBMITTAL DATE: 04-20-18

APPROVED
MAY 11, 2018

TRAFFIC ENGINEERING DIVISION
MIAMI-DADE PUBLIC WORKS & WASTE MANAGEMENT

PROJECT MANAGER: Dincer Ozaydin, P.E.

CITY OF NORTH MIAMI PROJECT MANAGER:

CITY OF NORTH MIAMI CONSTRUCTION MANAGER:

3.908522, -80.330281

0 0.5 MILES

0.000000 1.000000
811 SCROLL HERE 811 SCROLL HERE

ALWAYS CALL 811 BEFORE YOU DIG

www.calleighteen.com

ROADWAY ENGINEER: Charles E. Verson, P.E., F.A.C.

PLANS PREPARED BY:

CORRADINO

4255 N.W. 97th Avenue, Doral, Florida 33172
Ph: (305) 594-6733 Fax: (305) 594-6755
Certificate Of Authorization No: 00007965
Vendor ID: 81-071-3340

ROADWAY SHOP DRAWINGS TO BE SUBMITTED TO:
Carlos E. Verson, P.E., No. 60387
3155 CORRADO GROUP, 811 SW 19th Street, Miami, FL 33125
Ph: (305) 594-6733 Fax: (305) 594-6755

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<thead>
<tr>
<th>ITEM No.</th>
<th>ITEM</th>
<th>UNIT</th>
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<td>120-1</td>
<td>MAINTENANCE OF TRAFFIC</td>
<td>LS</td>
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<td>CLEARING AND GRAVING</td>
<td>LS</td>
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<td>REGULAR EXCAVATION (EXCAVATION FOR DITCH SUKAES)</td>
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<td>120-1</td>
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<td>120-1</td>
<td>OPTIONAL BASE GROUP OR</td>
<td>SY</td>
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<td>120-1</td>
<td>WIDENING EXISTING ASPHALT PAVEMENT 1'-0&quot; WIDE</td>
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<td>SUPERSEVEN ASPHALT CONCRETE TRAFFIC LEVEL &quot;C&quot; (INCLUDES OVERHEAD)</td>
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<td>WATER AND SEWER VALVE VACUUM TEST</td>
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<td>PIPE, DRAIN!12&quot;, RCP, ROUND 14&quot; DIAMETER</td>
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<td>520-1-10</td>
<td>CONCRETE CURB &amp; GUTTER TYPE F1</td>
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<td>520-1-2</td>
<td>CONCRETE CURB TYPE B1</td>
<td>LF</td>
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<td>CONCRETE CURB TYPE R1</td>
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<td>520-1-8</td>
<td>CONCRETE SIDEWALK 4&quot; THICK (INCLUDING PEDESTRIAN RAMPS)</td>
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<td>520-2</td>
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<td>520-2</td>
<td>ARCHITECTURAL PAVING</td>
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<td>520-2</td>
<td>DETECTABLE WARNING</td>
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<td>520-1-2</td>
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<td>520-1-1</td>
<td>LANDSCAPE COMPLETE</td>
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<td>IRRIGATION SYSTEM</td>
<td>LS</td>
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<td>LIGHTING FOR IRRIGATION SYSTEM</td>
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<td>999-25</td>
<td>CONTINGENCY</td>
<td>LS</td>
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**PAY ITEM NOTES:**

102-1: INCLUDES THE COST FOR ALL ITEMS REQUIRED FOR MAINTENANCE OF TRAFFIC DURING CONSTRUCTION, AS WELL AS ALL ITEMS AND TASK DESCRIBED WITHIN MAINTENANCE OF TRAFFIC PLANS.

520-1-10, 520-2-2, 520-2-4, 520-2-6, 522-1 & 522-2: INCLUDES EXCAVATION AND FILL FOR CONSTRUCTION OF NEW CURB TYPE D, CURB TYPE B, CURB TYPE RA, CURB & GUTTER TYPE F1 AND SIDEWALKS, AS WELL AS CONSTRUCTION OF CURB PAD. QUANTITIES MAY BE INCREASED, DECREASED OR OMITTED AS DIRECTED BY THE CITY OF NORTH MIAMI CONSTRUCTION MANAGER.

285-706: INCLUDES ALL EXCAVATION NECESSARY TO ACHIEVE THE FINAL ELEVATIONS DEPICTED IN THE PLANS.

580-1-1: INCLUDES ALL WORK REQUIRING TO RELOCATE EXISTING TREES WITHIN THE PROJECT LIMITS TO A LOCATION WITHIN THE CITY OF NORTH MIAMI.

<table>
<thead>
<tr>
<th>TREE NO.</th>
<th>STATION</th>
<th>OFFSET</th>
<th>DISPOSITION</th>
<th>DIAMETER</th>
<th>CANOPY</th>
<th>DESCRIPTION</th>
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<td>1-1</td>
<td>3+00.37 NE 13th STREET</td>
<td>18' LT</td>
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<td>15&quot;</td>
<td>80'</td>
<td>TREE</td>
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<tr>
<td>1-2</td>
<td>3+23.06 NE 13th STREET</td>
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<td>80'</td>
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<tr>
<td>1-3</td>
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<td>TREE</td>
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<tr>
<td>1-4</td>
<td>1+00.34 NE 10th Avenue</td>
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<td>80'</td>
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<td>1-6</td>
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<td>15&quot;</td>
<td>80'</td>
<td>TREE</td>
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<td>1-7</td>
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<td>80'</td>
<td>TREE</td>
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<tr>
<td>1-8</td>
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<td>1-9</td>
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<td>16'5' RT</td>
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<tr>
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<td>80'</td>
<td>TREE</td>
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<td>1-11</td>
<td>5+69.49 NE 12th Street</td>
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<td>1-12</td>
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<td>15' LT</td>
<td>RELOCATED</td>
<td>15&quot;</td>
<td>80'</td>
<td>TREE</td>
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</tbody>
</table>
GENERAL NOTES

1. The information provided on the plans are based on the best available information and should be considered accordingly. The Contractor shall be responsible for familiarizing himself with current site conditions and shall report discrepancies to the Engineer and the City prior to starting work.

2. The Contractor will secure work site to protect the public health and welfare.

3. The Contractor will secure and pay for all permits for the work necessary to complete this project.

4. All work will be in accordance with the latest edition of the Foot Florida Greenbook, and Foot standard specifications for road and bridge construction, divisions 6 and 5.

5. Contractor to repair any damages incurred as a result of construction activities such as but not limited to temporary fencing, erosion control, etc. No additional compensation shall be paid to the Contractor for the repair of such damages.

6. Contractor shall control/remove dust with a street sweeper using water or other equipment capable of controlling dust. Approval of the use of such equipment is contingent upon its demonstrated ability to do the work. Any equipment used to reduce dust is to be included in item 104-1.

7. All public land corners and monuments within the limits of construction shall be protected by the Contractor as follows: corners and monuments in conflict with the work and in danger of being damaged, destroyed or covered shall be preferably referenced to a registered land surveyor in accordance with the official technical standards of the Florida Board of Professional Land Surveyors. Prior to beginning work at the site, the Contractor shall retain the land surveyor to refer, locate, and relocate any monuments which may be disturbed during the course of the work. All such corners and monuments shall be furnished the Engineer a surfaced and sealed copy of the land surveyor’s reference drawing. Cost of this work shall be deemed incidental to the total project cost.

8. The Contractor shall notify the City in writing at least 48 hours prior to commencement of construction.

9. The Contractor shall be responsible for providing a proper staging area.

10. The Contractor shall be responsible to satisfy all requirements of any regulatory agency permits in regards to construction activities and related conditions prior to the start of construction.

11. The Contractor shall maintain pedestrian and vehicular access to all adjacent properties at all times unless otherwise approved by the City.

12. The Contractor shall not encroach into private property with personnel, material, or equipment.

13. The Contractor shall dispose of all excess excavated material and debris to an approved site in a legal manner at no additional cost to the project.

14. Stockpiling of material in roadway is not allowed.

15. The Contractor shall verify, photograph and inventory the exact location of all existing trees, structures, pavement or other features. Any existing structure, pavement, tree or other existing feature, which is in conflict with the work and proposed on in any way disturbed or damaged during the course of the work, shall be restored promptly to its original condition at no additional cost to the project.

16. The Contractor shall notify the Engineer in writing immediately of any conflict arising during construction for any improvements shown on these drawings.

17. All construction layout shall be the responsibility of the Contractor.

18. All existing catch basin grates within the project area that are to be removed shall be modified to match finishes, grade and city contractor cost for installation to be paid by pavement pay item. Show all locations necessary for adjustments. Contractor is responsible for locating all necessary utility tips to be adjusted.

19. All proposed work shall be performed within the limits of the existing public right-of-way, and all improvements shall be constructed and installed in accordance with the approved plans.

20. The Contractor shall assist the City with the handling of public information materials, including citizen notification letters and project construction signs, prior to the start of each significant phase of construction.

21. The Contractor shall notify the Engineer immediately of any change in the plan of work as shown on the project plans.

22. All excess material as designated by the Engineer is to be disposed of by the Contractor in areas provided by the City within 72 hours of being deposited and at a cost to be included in the related bid item.

23. The Contractor shall paint all stations with stenciled numbers on the face of the curb.

24. Clearing and grubbing, grading and other incidental work necessary for manhole installation right of way shall be included in the related bid item.

25. The Contractor, in conjunction with the City Engineer, shall distribute public information flyers to the affected residents and businesses at least five (5) days before beginning construction. Cost to be included in item 104-1.

26. Prior to commencement of any excavation, the Contractor shall comply with Florida Statute 553.651 for the protection of underground gas pipelines.

27. Staging and material storage shall not be conducted on any private property without approval from the owner. Prior to beginning work, a right-of-entry agreement or lease between the property owner and the City shall be signed. All work shall be conducted by the City construction manager.

28. The Contractor shall notify the City in writing at least 48 hours prior to the beginning of construction and may be adjusted as required.

29. All existing trees within the construction limits are to be removed unless otherwise noted. All trees called for relocation are to be relocated within the construction limits as directed by the City Engineer. All costs associated to be included in the clearing and grubbing pay item 110-11.

DRAINAGE NOTES:

1. All existing storm inlets and manholes are to be removed unless otherwise noted in the plans. Existing inlets, Manholes and manholes that shall remain shall be completed cleaned of debris and desilted cost to be included in pay item 110-1.

2. The Contractor is responsible for keeping existing and new inlets clean of molten material, lubricant, debris, etc. during the construction at no additional cost.

UTILITY NOTES:

1. All existing utilities are to be removed unless otherwise noted.

2. Two full business days prior to digging the Contractor shall call Shane state one call of Florida, telephone number for verifying underground utility owners and request utility locations. A contractor’s representative shall be present when utility companies locate their facilities.

3. The Contractor is advised that properties adjacent to the project have electric, street lighting, telephone, gas, water, and sewer service lines which may be disturbed in place. The Contractor shall request the location of these lateral services from the utility companies. Any additional cost of repairing or replacing and the work incurred may not be included in the related bid item for the work being done.

4. Pre-trenching in the alignment and grade of proposed pipes, structures, French drains, slab over covered trench panels, and/or sub-grade shall be performed seven days in advance of proposed work. The Contractor shall provide underground utility owners and the engineer of record with seven days of advance notice of any proposed work with proposed construction. This notification shall provide specific information about existing utility alignment, grade and possible conflicts. Payment for pre-trenching, survey and background shall be included in the cost of the related bid item for the work being done.

5. If it shall be the Contractor’s sole responsibility to vertically and horizontally protect any and all existing utility or for the protection of such utilities shown or not shown on the plans shall be immediately reported to the utility owner. The owner reserves the right to remedy such damage by ordering outside utility work to be done at the expense of the Contractor.

6. Existing utilities shall be maintained for service during construction unless otherwise approved by the utility owner. All existing utilities are to be removed unless otherwise noted.

7. Utility owners:

   COMPANY

   LEONARD MAXWELL-NIHIBED

   ATI - DISTRIBUTOR

   TECO PEOPLE GAS

   CITY OF NORTH MIAMI

   PHONE NUMBER

   305-447-0405

   305-441-0899 ext. 201

   305-376-2533

   506-397-0800

   954-452-0824

   305-983-2500 ext. 8000

   E-Mail: leonard@ati-international.com

   Fax: 305-447-0407

   PROJECT NO

   4

   CITY OF NORTH MIAMI PUBLIC WORKS

   4500 N.W. 97th Avenue, Doral, Florida 33178

   Phone: (305) 594-0736 Fax: (305) 594-0756

   Certificate of Authorization No. 100005390

   E.O.R. Carlos E. Villasenor, P.E.

   693887
SIGNING AND PAVEMENT MARKING NOTES:


2. MATCH EXISTING PAVEMENT MARKING AT THE BEGINNING AND AT THE END OF THE PROJECT AND AT ALL SIDE STREETS WITHOUT JOINS AND OFFSETS.

3. INCORRECTLY PAINTED PAVEMENT MARKING OVER NEW ASPHALT PAVEMENT WILL BE REMOVED BY WILLING AND REPLACING THE NEW ASPHALT PAVEMENT A MINIMUM WIDTH OF 15 FEET AT THE CONTRACTOR'S EXPENSE. THE ENGINEER MAY APPROVE AN ALTERNATIVE METHOD IF IT CAN BE DEMONSTRATED TO COMPLETELY REMOVE THE MARKINGS WITHOUT DAMAGING THE ASPHALT.

4. ALL STRIPING SHALL BE THERMOPLASTIC.

5. ALL EXISTING SIGNS WITHIN THE PROJECT LIMITS ARE TO BE REMOVED UNLESS OTHERWISE NOTED IN THE PLANS.

6. CONTRACTOR TO PROVIDE SIGNING AND PAVEMENT MARKINGS AS BUILT MIAMI-Dade COUNTY PUBLIC WORKS TRAFFIC AND SIGNAL DIVISION

SURVEYOR NOTES:

1. ALL ELEVATIONS HEREIN ARE BASED ON NAVD 1988 DATUM AS PER MIAMI-Dade COUNTY PUBLIC WORKS DEPARTMENT BENCHMARK NO. L-450

2. ALL CITY OF NORTH MIAMI BENCHMARK MARK MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED AND REFERENCED BY THE CONTRACTOR IN THE SAME MANNER AS PUBLIC LAND CORNERS. EXCEPT THAT THE LAND SURVEYSOR SHALL NOT BE REQUIRED TO RESTORE THE N.W.S.E. BENCHMARK MARK UPON COMPLETION OF THE WORK. THE CONTRACTOR SHALL PROMPTLY TRANSMIT ALL DISPLACED OR DAMAGED N.W.S.E. DISCS TO THE CONTRACTOR, WHO SHALL NOTIFY THE GEOGRAPHIC INFORMATION CENTER. INCLUDE ALL COST OF REFERRING AND PROTECTING IN THE BID PRICE FOR ITEM #3 - PHOTOGRAMMETRY.

3. TOPOGRAPHIC INFORMATION AND BASELINE / MONUMENT LINE GEOMETRY SHOWN ON PLANS WERE TAKEN FROM THE SURVEY PREPARED BY CTG INC., REGISTERED LAND SURVEYSORS & MAPPERS.

ENVIRONMENTAL NOTES:

1. DUE TO THE LIMITED SCOPE OF WORK, NO IMPACTS TO EXISTING HISTORICAL AND CULTURAL RESOURCES ARE EXPECTED AS A RESULT OF THE PROPOSED ACTION.

2. ANY MATERIAL TO BE STORED FOR PERIODS GREATER THAN 24 HOURS SHALL BE PROTECTED BY APPROPRIATE ERGON CONTROL DEVICES.

3. CONTRACTOR SHALL KEEP NEW AND EXISTING INLETS CLEAR OF WILTING MATERIALS AND DEBRIS. INLETS LOCATED NEAR CONSTRUCTION ACTIVITIES SHOULD BE PROTECTED BY APPROPRIATE ERGON CONTROL DEVICES.

4. NO STAGING OR OTHER ACTIVITIES FOR THIS PROJECT SHOULD OCCUR WITHIN THE ORPHANAGE OF EXISTING TREES.

5. PREVENT DAMAGING TREES AND PLANTS WITHIN OR IMMEDIATELY ADJACENT TO THE PROJECT'S RIGHT-OF-WAY.

6. AN ARBOREAL CERTIFIED BY THE INTERNATIONAL SOCIETY OF ARBOiculture SHALL BE PRESENT ON SITE TO DIRECT ALL ROOT PRUNING AND/OR CANOPY TRAINING ACTIVITIES IF NECESSARY.

7. TREE PROTECTION SHOULD BE INSTALLED AROUND TREES TO REMAIN LOCATED ADJACENT TO CONSTRUCTION ACTIVITIES.

8. THE CONTRACTOR SHALL NOT REMOVE, RELOCATE, OR PRUNE ANY TREES WITHOUT PRIOR APPROVAL FROM THE CITY. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS FROM THE CITY OF MIAMI-Dade PUBLIC WORKS DEPARTMENT PRIOR TO ANY TREE REMOVAL/RELOCATION.

9. ALL EXISTING TREES TO REMAIN AND SHALL BE PROTECTED UNLESS OTHERWISE NOTED IN THE PLANS.

APPICABLE CODES:

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH THE LATEST REQUIREMENTS OF THE CITY OF NORTH MIAMI, CODE, AND ALL OTHER APPLICABLE LOCAL, STATE, AND NATIONAL CODES.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL CONSTRUCTION SHALL BE DONE IN A SAFE MANNER AND IN STRICT COMPLIANCE WITH ALL THE REQUIREMENTS OF FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) AND ALL STATE AND LOCAL SAFETY AND HEALTH REGULATIONS.

PRE-CONSTRUCTION RESPONSIBILITIES:

1. PRIOR TO THE COMMENCEMENT OF THE CONSTRUCTION AND THE RECEIPT OF THE "NOTICE TO PROCEED", THE CONTRACTOR SHALL CONTACT THE CITY'S CONSTRUCTION MANAGER AND ARRANGE A PRE-CONSTRUCTION CONFERENCE TO INCLUDE THE ENGINEER OF RECORD. THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION SCHEDULE AND BE PREPARED TO DISCUSS ANY CONCERNS OR COORDINATION EFFORTS AND REQUIREMENTS WITH THE PARTIES INVOLVED.

2. CONTRACTOR SHALL PREPARE AND SUBMIT TO THE CITY ENGINEER A STORM WATER POLLUTION PREVENTION PLAN ACCORDING TO THE LATEST FOOT SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 10-4-6. CONTRACTOR SHALL IMPLEMENT THE PLAN PRIOR AND DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.

PROJECT RECORD DOCUMENTS:

1. DURING THE DAILY PROGRESS OF THE JOB THE CONTRACTOR SHALL RECORD THE EXACT LOCATION, LENGTH, AND ELEVATION OF ALL PROPOSED IMPROVEMENTS ON HIS SET OF CONSTRUCTION DRAWINGS.

2. UPON COMPLETION OF CONSTRUCTION AND PRIOR TO FINAL PAYMENT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER ONE COMPLETE SET OF ALL "AS-BUILT" CONSTRUCTION CHANGES AND DIMENSIONS, LOCATIONS AND ELEVATIONS OF ALL IMPROVEMENTS AND IN ACCORDANCE WITH THE "SURVEY WORK" SECTION OF THE "SPECIFICATIONS AND CONTRACT DOCUMENTS" FOR THIS PROJECT.

3. ALL "AS-BUILT" INFORMATION AND ELEVATIONS SHALL BE CERTIFIED BY A FLORIDA REGISTERED LAND SURVEYOR AND ALL FINAL MEASUREMENTS ARE TO BE IN THE FORM OF FIELD NOTES.

4. AS-BUILTS SHALL UTILIZE THE NAVD 1988 DATUM.
GENERAL:

1. TRAFFIC CONTROLS SHALL BE IN ACCORDANCE WITH THE PROJECT PLANS, THE CURRENT EDITION OF THE FLORIDA DOT DESIGN STANDARDS (900 SERIES), THE STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AS WITHIN CRITERIA.

2. NOTIFICATION OF LANE CLOSURES OR TEMPORARY DIVERSIONS SHALL BE COMPLETED 14 WORKING DAYS PRIOR TO CLOSURE. DETOUR OR WET PHASE CHARGE SHALL BE SUBMITTED WITH THE REQUIRED LANE CLOSURE F adolescent, sketches, calculations, and other data to the Engineer.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HARMONIZING, INSTALLING, AND MAINTAINING ALL TRAFFIC CONTROLS AND SAFETY DEVICES IN ACCORDANCE WITH THE CURRENT EDITION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS INDEX COSTS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. THE CONTRACTOR SHALL SUBMIT A DETAIL TOWARD CONTROL PLAN (TCDP) TO THE ENGINEER FOR HIS REVIEW PRIOR TO IMPLEMENTATION. COST TO BE INCLUDED IN PAVEMENT MARKINGS AND SIGNS SIZE 0 AND UNIFORM TRAFFIC CONTROL DEVICES.

PAVEMENT MARKINGS:

15. COST OF REMOVAL OF WORK ZONE PAINT MARKINGS INCLUDING PAINT, REMOVABLE TAPE AND MARKERS, REGARDLESS OF METHOD, TO BE INCLUDED IN Q8-14 MAINTENANCE OF TRAFFIC. ALSO INCLUDES THE COST OF REMOVAL OF PAINT MARKINGS AND MARKERS EXISTING PRIOR TO CONSTRUCTION FOR USE OF BLACK PAINT TO COVER EXISTING AND/OR TEMPORARY PAINT MARKINGS. PROHIBITED. SPRAYING OR SPRAYING SHALL ONLY BE PERMITTED IN NON-TRAFFIC AREAS.

16. ALL TEMPORARY STRIPES AND MARKERS SHALL BE PAINT OR, UNLESS OTHERWISE SPECIFIED ON THE PLANS OR APPROVED BY THE ENGINEER. COSTS TO BE INCLUDED UNDER PAY ITEM Q8-14 MAINTENANCE OF TRAFFIC.

PEDESTRIANS, BICYCLES, AND WHEELCHAIRS:

17. AT THE END OF EACH WORK DAY OR WHENEVER THE WORK ZONE BECOMES INACTIVE, ALL DROP OFFS GREATER THAN 6 IN. ADJACENT TO THE PEDESTRIAN, BICYCLE, AND WHEELCHAIR TRAVEL PATHS SHALL BE BACKFILLED WITH THE SLOPED PATHS OR PROTECTED WITH TEMPORARY FENCE, CONCRETE BARRIER OR APPROVED MATERIAL. COST TO BE INCLUDED IN PAY ITEM Q8-14 MAINTENANCE OF TRAFFIC.

WORK ZONE LIMITS:

18. THE LENGTH OF AN OPEN DITCH SHALL NOT EXCEED 500 FT. PROPERTY ACCESS SHALL BE MAINTAINED IN ACCORDANCE TO SUBMITTAL 30-5.5 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

TRAFFIC CONTROL PLAN:

1. CONTRACTOR SHALL DETOUR TRAFFIC AND MAINTAIN ACCESS TO LOCAL RESIDENCES AT ALL TIMES.

2. ALL MAINTENANCE OF TRAFFIC INCLUDING SIGNS, BARRETTES AND TEMPORARY PAINT MARKINGS MUST BE IN STRICT ACCORDANCE WITH W.O.T.C.D. PART VI AND FLORIDA DEPARTMENT OF TRANSPORTATION AND TRAFFIC CONTROL DEVICES INDEX SERIES 900.

3. ALL MAINTENANCE OF TRAFFIC SHALL BE PAID UNDER PAY ITEM Q8-14 MAINTENANCE OF TRAFFIC.

CITY OF NORTH MIAMI
PUBLIC WORKS

CITY OF NORTH MIAMI
PUBLIC WORKS

TRAFFIC CONTROL
GENERAL NOTES

REV.
DATE
DESCRIPTION

0035 NW 97th Avenue, Doral, Florida 33178
Ph: (305) 594-0735 Fax: (305) 594-0755
Certification Of Authorization: No. 00007666
E.O.R. Carlos E. Veronica, P.E. No. 08087

CITY OF NORTH MIAMI
PUBLIC WORKS

TRAFFIC CONTROL
GENERAL NOTES

TRAFFIC CONTROL
GENERAL NOTES

TRAFFIC CONTROL
GENERAL NOTES
# TABULATION OF QUANTITIES

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<tr>
<th>PAY ITEM NO.</th>
<th>DESCRIPTION</th>
<th>UNIT</th>
<th>SHEET NUMBERS</th>
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CORRADOINO

4055 W.W. 97th Avenue, Doral, Florida 33178
Ph: (305) 584-0735  Fax: (305) 584-0755
Certificate Of Authorization No 00307965
E.O.R. Eddie E. Venos, P.E. No. 69367

CITY OF NORTH MIAMI
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City: 305-859-8711 Fax: 305-859-8754

REVISIONS

DATE NP DESCRIPTION

4/10/2018 LM1Z SW13 1/8"X12"X12" TUBES XX XX

LANDSCAPE PLAN

THE WORK COVERED UNDER THIS CONTRACT CONSISTS OF FURNISHING ALL LABOR, MATERIAL AND EQUIPMENT TO DELIVER AND INSTALL THE FOLLOWING PLANTS ON SITE ON A PER CIRCLE BASIS:

LANDSCAPING, WATER METER, BOUNDARY MARKER, DRAINAGE AND ELECTRICAL WORK.

A. WORK: PROVIDE AN UNDERGROUND IRRIGATION SYSTEM TO PROVIDE TEN CIRCLES WITH 70 TO 100% OVERLAP WITH AN ANNUAL CHECKUP ON NON-LANDSCAPE AREAS, AND PROVIDE A PRECIPITATION RATE OF 1" PER HOUR. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED ENGINEERING DRAWINGS, CALCULATIONS, ETC., AS REQUIRED BY NORTH MIAMI BUILDING AND ZONING TO OBTAIN ALL PERMITS AND CONSTRUCT ALL WORK PASSES INSPECTIONS.

THE WORK INCLUDES:

1. COORDINATE WATER METER INSTALLATION THROUGH THE CITY OF NORTH MIAMI WATER DEPARTMENT, PAYING ALL APPROPRIATE FOR A 1/2 INCH METER INSTALLED.
2. INSTALL INGRANAIL CONTROLLED VALVE IN A 6" x 6" LOCKING ENCLOSURE.
3. INSTALL AUTOMATIC IRRIGATION SYSTEM INCLUDING PUMP, FITTINGS, SPRINKLER HEADS, AND ACCESSORIES.
4. INSTALL ELECTRIC REMOTE CONTROL VALVES.
5. INSTALL CONTROL BOX.
6. EXCAVATING AND BACKFILLING IRRIGATION SYSTEM WORK.
7. INSTALL RAIN SENSORS.
8. COMPLETE ELECTRICAL (LIGHTING SYSTEM AND FLP DROPS)

PREPARATION:

A. PROJECT EXISTING TREES, PLANTS, LAWNS AND OTHER FEATURES DESIGNATED TO REMAIN AS PART OF THE FINAL LANDSCAPE WORK.
B. PROMPTLY REPAIR DAMAGE TO EXISTING FACILITIES CAUSED BY IRRIGATION SYSTEM WORK OPERATIONS. COST OF REPAIRS AT CONTRACTOR'S EXPENSE.
C. PROMPTLY NOTIFY THE CITY OF UNAUTHORIZED SUBSURFACE CONDITIONS.

GENERAL:

ALL PLANT MATERIAL SHALL BE FREE OF DISEASE AS EXAMINED IN THE GARDENS AND STANIFER'S FOR Vacuum PLANTS PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES AND THE CONTRACTOR SHALL PROVIDE A SPECIFIC WRITTEN WARRANTY IN LETTER OR CERTIFICATE FROM A BREEDER TO THE CITY OF NORTH MIAMI GUARANTEEING THAT THE PLANT MATERIAL WILL BE MAINTAINED IN A HEALTHY, VIGOROUS, AVERAGE CONDITION FOR (1) YEAR AFTER THE COMPLETION OF ALL PLANTING. CONTRACTOR IS RESPONSIBLE FOR OBTAINING UTILITY LOCATIONS PRIOR TO EXCAVATION. THE CONTRACTOR WILL BE HELD HARMLESS AND IS NOT RESPONSIBLE FOR ANY DAMAGES DONE TO ANY UTILITY OR PRIVACY PROPERTY TO THE CONTRACTOR.

SOIL:

SOIL SHALL BE ST. AUGUSTINE.

PLANTING:

PHILOPHILIA CAVIENSIS (FIRERED AND PRESSURE CLEANED)

SPECIAL NOTES:

Palm shall have an irrigation emitter secured and extending above the top of the palm canopy terminating in a spinner/adjustable water head that will cover the entire canopy with water and shall be grouped in a separate zone. Additionally, there are to be four adjustable sprinklers around each palm root ball, connected to the same zone. This zone is temporary and will be removed by the city at a later date.

TREE PLACEMENT:

1. A PERMIT FOR TREE REMOVAL WILL BE REQUIRED. CONTRACTOR MUST OBTAIN AND PAY APPROPRIATE FEES.
2. THE TRUNK AND ROOT SYSTEMS MAY BE GROUNDED DOWN.
3. DRAIN MUST BE INSTALLED TO REDUCE A LEVEL GRADE AND SIDE INSTALLED.
4. CANTALOUPE PLANTING WILL BE REQUIRED AT THE SITE ON ONE SIDE.
5. REPLACEMENT TREES SHALL BE 12 TO 14 FEET TALL, QUEENSHIP OROZCANA, RATED FLORIDA NO. 9 OR BETTER.
6. REPLACEMENT TREES MUST BE DELIVERED TO THE NORTH MIAMI PARKS OPERATIONS CENTER, 1200 W. 13 AVENUE.

INSTALLATION:

CONTRACTOR IS RESPONSIBLE FOR OBTAINING UTILITY LOCATIONS PRIOR TO EXCAVATION. CONTRACTOR WILL INSTALL PALM IN LOCATIONS MARKED BY THE PLANT DEPARTMENT. SET PALM LEVEL WITH ITS ORIANTATIONS. PALMS SHALL NOT BE PLACED AND SET AS MARKED ON SITE. PALMS SHALL BE THOROUGHLY WATERED IN TO ELIMINATE ALL DRY SPOTS. A 60 INCH RIM OF DIRT SHALL BE INSTALLED AROUND THE EDGE OF THE EXCAVATED HOE TO FORM A SAUCER SHAPED HOE WHICH WILL HOLD WATER AROUND THE ROOT BALL. THE TOP 1/2 OF DIRT SHALL BE REMOVED FROM THE ROOT BALL PRIOR TO FINAL PLACING. FERTILIZER SHALL BE APPLIED AROUND THE EDGE OF THE BACKFILL HOE AND THEN COVERED WITH 3 INCH LAYER OF SOIL, WHICH WILL EXTEND FROM THE OUTER EDGE OF THE HOE TO THE RIM OF THE HOE. THE HOE WILL BE MOWED TO THE SITE STABILITY FOR THE GROWTH PERIOD. (SEE EXCAVATION) DETAILS:

PLANTS:

PLANTS WILL BE FOLDED IN PAPER, BAGGED AND DELIVERED WITH THE HEADS TO BE FULL AND OF GOOD COLOR. PLANTS WILL BE FREE OF SCARS, LEAVES, DEAD, UN-LEAFED PAPERS, RESTING WOOD AROUND ROOT PLANTATION. FERTILIZER: SHALL BE ORGANIC MATERIAL OF 12-11-11 WITH MINORS ON EQUITY. APPLIED AT ABOUT 1" OF THE WATER RECEPTION MUG AFTER BACKFILLING AND BEFORE UPLACING SOIL. SOIL: BACKFILLING PLANTING HOLES AT TREES ARE SET WITH A 50/50 MIX CONSIDERING A 50% CONSIDERING A HOMOGENEOUS MIXTURE OF 75% IN/30% CANADIAN PEAT MUCK, 25% STONIFIED SOIL, 5% PVC BARK, MIXED WITH 50% OF soil, FROM THE EXCAVATED HOE. ALL AREAS NEED TO BE FREE OF ALL DEER HOLES AND CALCIFIED WOODS WITH WESTERN VULCANO MUD IN A DEPTH OF 6".