

Commission:

Mayor

Francis X. Suarez

D1 Commissioner

Wifredo (Willy) Gort

D2 Commissioner

Ken Russell

D3 Commissioner

Joe Carollo

D4 Commissioner

Manuel E. Reyes

D5 Commissioner

Keon Hardemon

City Manager

Emilio T. Gonzalez

# CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM

STEVEN C. WILLIAMSON, DIRECTOR

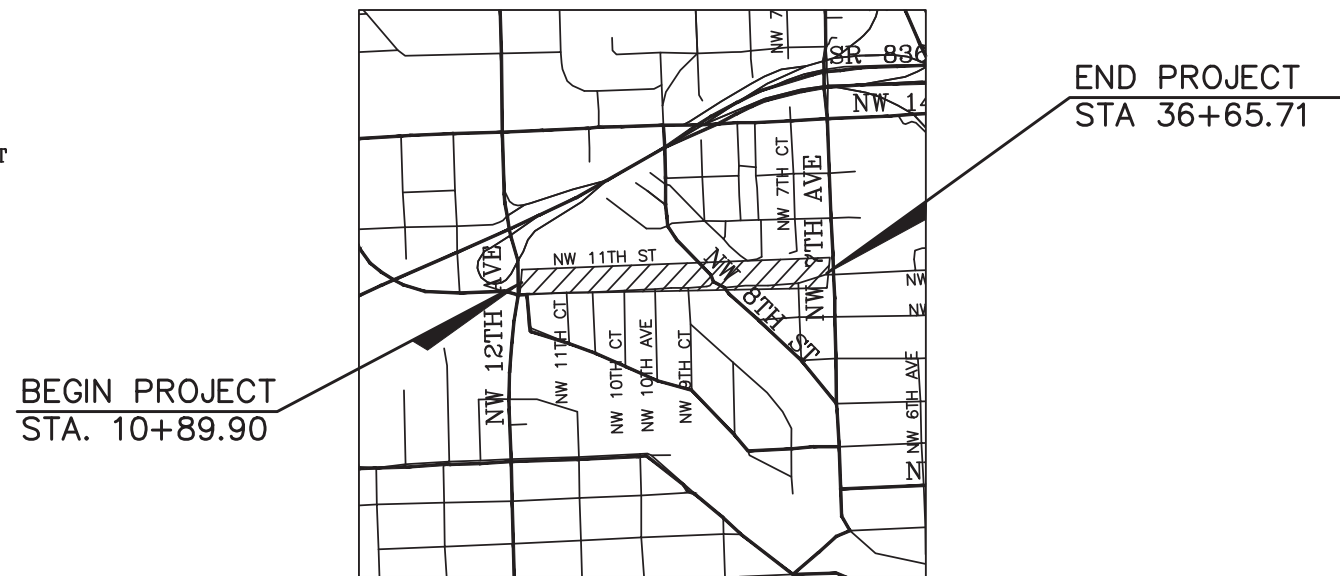
## NW 11 STREET NW 12 AVENUE TO NW 7TH AVENUE OVERTOWN GREENWAY PROJECT No. B-173648 FINANCIAL PROJECT ID 420917-2



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### PHASE II NW 12 AVENUE TO NW 7 AVENUE



LOCATION MAP  
SCALE :1" = 1500'

ROADWAY SHOP DRAWINGS  
TO BE SUBMITTED TO:

FRANCISCO J. ALONSO, P.E.  
201 ALHAMBRA CIRCLE SUITE 900  
CORAL GABLES, FL 33134

PLANS PREPARED BY:

**T·Y·LIN INTERNATIONAL**  
201 ALHAMBRA CIRCLE SUITE 900  
CORAL GABLES, FLORIDA 33134  
PHONE: (305) 567-1888  
FAX: (305) 567-1771  
EB00002017

**100% SUBMITTAL  
JUNE 28, 2019**

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

ROADWAY PLANS  
ENGINEER OF RECORD: FRANCISCO J. ALONSO, P.E.

P.E. NO.: 66918

#### SCOPE OF WORK

- REMOVE EXISTING SIDEWALK
- CONSTRUCT NEW SIDEWALK, TYPICALLY 10' WIDE, WITH DECORATIVE TREATMENT.
- CONSTRUCT NEW CONCRETE CROSSWALKS
- INSTALL NEW LANDSCAPING AND LIGHTING

CITY OF MIAMI PROJECT MANAGER: KEITH NG

CITY OF MIAMI CONSTRUCTION MANAGER: TBD

#### GOVERNING STANDARDS AND SPECIFICATIONS:

- FLORIDA DEPARTMENT OF TRANSPORTATION, 2016 "FLORIDA GREENBOOK", DESIGN STANDARDS DATED 2017-18, AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED JANUARY 2018, AS AMENDED BY CONTRACT DOCUMENTS.

- CITY OF MIAMI ENGINEERING STANDARDS FOR DESIGN AND CONSTRUCTION DATED DECEMBER 2010.



SHEET NO.

1

**GENERAL NOTES:**

- ALL ELEVATIONS REFER TO THE CITY OF MIAMI DATUM. ALL PUBLIC LAND CORNERS AND PRIMARY NETWORK CONTROL SURVEY MONUMENTS ARE TO BE PROTECTED BY THE CONTRACTOR. CORNERS AND MONUMENTS WITHIN THE WORK ZONE AND IN DANGER OF BEING DAMAGED, DESTROYED OR COVERED SHALL BE PROPERLY REFERENCED BY A REGISTERED LAND SURVEYOR IN ACCORDANCE WITH THE MINIMUM TECHNICAL STANDARDS OF THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYOR PRIOR TO THE BEGINNING OF WORK. UPON PROJECT COMPLETION THE CONTRACTOR SHALL RESTORE ALL SUCH CORNERS AND MONUMENTS AND SHALL FURNISH TO THE CITY A SIGNED AND SEALED COPY OF THE LAND SURVEYOR'S REFERENCE DRAWING. INCLUDE ALL COST OF REFERENCING, RESTORING AND PRESERVING CORNERS AND MONUMENTS IN THE BID PRICE FOR MOBILIZATION.
- THE CONTRACTOR MUST HAND EXCAVATE AROUND AREAS WHERE EXISTING UNDERGROUND UTILITIES ARE EXPECTED OR SUSPECTED IN ORDER TO AVOID DAMAGES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPAIRS AND COSTS TO CORRECT DAMAGES RESULTING FROM FAILURE TO TAKE ALL NECESSARY PRECAUTIONS INCLUDING LOCATING, MARKING AND CAREFUL EXCAVATION, AND SHOULD BE INCIDENTAL TO THE COST OF THE PROJECT.
- CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO COMMENCING CONSTRUCTION.
- IT IS THE OBLIGATION OF THE BIDDER OR THE CONTRACTOR TO MAKE HIS OWN INVESTIGATION AND SATISFY HIMSELF FULLY OF SUBSURFACE CONDITIONS PRIOR TO SUBMITTING HIS BID. FAILURE TO DO SO, WILL NOT RELIEVE HIM OF HIS OBLIGATION TO COMPLETE THE WORK FULLY AND ACCEPTABLE TO THE ENGINEER AND THE OWNER FOR THE CONSIDERATION SET FORTH IN HIS BID.
- CONTRACTOR SHALL NOT SCALE DIMENSIONS FROM PRINTS FOR CONSTRUCTION PURPOSES.
- CONTRACTOR SHALL CUT EXISTING DRIVEWAYS AND SIDEWALKS CAREFULLY AND NEATLY WHERE PIPING CROSSES THESE LOCATIONS. CUT EXISTING CONCRETE SIDEWALKS AT THE NEAREST JOINTS AND REPLACE CUT OUT SECTION AS DETAILED IN THE CITY STANDARDS AND FINISH TO MATCH EXISTING SURFACE LEVEL AND FINISH.
- BASELINE OF CONSTRUCTION FOR ALL STREETS SHALL BE THE STREET CENTER LINE OR AS SHOWN ON THE PLANS.
- ALL DISTURBED GRASS AREAS SHALL BE RESTORED WITH SUITABLE SOIL AND SOLID ST AUGUSTINE SOD IF NOT SPECIFIED OTHERWISE ON THE PLANS.
- IT IS THE INTENT OF THESE PLANS TO BE IN COMPLIANCE WITH APPLICABLE CODES OF AUTHORITIES HAVING JURISDICTION. ANY DISCREPANCIES BETWEEN THESE PLANS AND APPLICABLE CODES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
- WHERE NEW PAVEMENT MEETS EXISTING, CONNECTION SHALL BE MADE IN A NEAT STRAIGHT (FEATHERED) LINE AND FLUSH WITH EXISTING PAVEMENT.
- THE CONTRACTOR SHALL USE CITY OF MIAMI STANDARD FOR DESIGN AND CONSTRUCTION (2010) AND THE FDOT STANDARD INDEX AND SPECIFICATIONS (2017-18) UNLESS OTHERWISE SPECIFIED.
- CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL EXISTING TREES, STRUCTURES, UTILITIES AND UTILITY MARKERS, WHICH MAY NOT BE SHOWN ON PLANS. ANY EXISTING STRUCTURES, PAVEMENT, TREES, UTILITIES, UTILITY MARKERS OR OTHER EXISTING IMPROVEMENT NOT SPECIFIED FOR REMOVAL WHICH IS TEMPORARILY DAMAGED, EXPOSED OR IN ANY WAY DISTURBED BY CONSTRUCTION PERFORMED UNDER THIS CONTRACT, SHALL BE REPAIRED, PATCHED OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL RESET OR REPLACE EXISTING METER BOXES AND PULL BOXES AS REQUIRED FOR SIDEWALK RECONSTRUCTION. INSTALLATIONS OF NEW PULL BOXES SHALL BE PERFORMED BY QUALIFIED ELECTRICAL CONTRACTOR. WHEN REPLACING AN EXISTING PULL BOX, THE CONTRACTOR SHALL ADJUST CONDUITS AND CABLES TO FIT THE NEW PULL BOX ELEVATION. COST OF ADJUSTMENTS AND NEW PULL BOXES/METER BOXES IS INCIDENTAL TO TOTAL PROJECT COST.
- NO STAGING OR ANY ACTIVITIES FOR THIS PROJECT ARE ALLOWED WITHIN OR ADJACENT TO THE WAGNER CREEK CANAL, OTHER THAN WHAT IS SHOWN IN THE PLANS.

**PAY ITEM NOTES**

- ALL IMPROVEMENTS ARE TO BE CONSTRUCTED AND/OR INSTALLED WITHIN THE EXISTING STATE AND/OR LOCAL RIGHT OF WAY

- ALL DEMOLITION, WITH THE EXCEPTION OF REMOVAL OF EXISTING PAVEMENTS, SHALL BE PAID UNDER CLEARING AND GRUBBING.

**UTILITY COMPANY CONTACT LIST:**

ATT	STEVE MASSIE	305-222-8745
COMCAST CABLE	LEONARD MAXWELL-NEWBOLD	954-447-8405
MIAMI-DADE COUNTY PUBLIC WORKS	AURELIO DEL VALLE	305-592-8925 EXT.258
FIBERLIGHT LLC	CHRIS PANCIONE	954-596-2559
FDOT 6	THOMAS MILLER	305-491-4391
FLORIDA POWER AND LIGHT-DADE	TRACY STERN	800-868-9554
FLORIDA POWER AND LIGHT-FIBERNET	DANNY HASKETT	305-552-2931
FLORIDA POWER AND LIGHT- TRANSMISSION	SEYED HAJASSADOLLAH	305-228-5290
GLOBAL CROSSING	JIM VANVALKENBURGH	585-255-1030
MIAMI-DADE ENTERPRISE TECHNOLOGY	JUAN AGUIRRE	305-596-8404
LEVEL 3 COMMUNICATIONS	JUDY HENRY	720-888-2061
MCI	INVESTIGATIONS	972-729-6016
MIAMI-DADE WATER AND SEWER	PATRICK CHONG	786-268-5255
TECO PEOPLE GAS SOUTH FLORIDA	YVONNE GOLDMAN	954-453-0824
QWEST COMMUNICATIONS	MIKE FITZGERALD	813-630-2605
SPRINT NEXTEL	MARK CLADWELL	321-287-9942

**SYMBOL LEGEND**

	Tree		Manhole Unmarked
	Palm Tree		Wood Pole
	Single Support Sign		Wiring Pull Box
	Manhole Drainage		Catch Basin
	Curb Inlet		Manhole Sewer
	Meter Water		Guard Post
	Fire Hydrant		Column
	Valve Water		Guy Wire

**ABBREVIATION**

	Double Support Sign	CBS	Concrete Block Stucco
	Light Pole	Typ.	Typical
	Concrete Light Pole	Transf.	Transformer
	Valve Unknown	Conc.	Concrete
	Monitoring Well	El.	Elevation
	Valve Gas	Sta.	Station
	Manhole Telephone	Conc.	Concrete
	Irrigation Valve	T.B.M.	Temporary Bench Mark
		Fnd.	Found

**LINE LEGEND:**

	Overhead Line
	Chain link Fence
	Metal Fence

**PAVING, GRADING AND DRAINAGE NOTES:**

- ALL WORK TO BE IN COMPLIANCE WITH THE REQUIREMENTS OF AND ACCEPTABLE TO CITY OF MIAMI PUBLIC WORKS DEPARTMENT, MIAMI-DADE COUNTY D.E.R.M AND THE COUNTY PUBLIC WORKS TRAFFIC CONTROL SECTION.
- CONTRACTOR SHALL PROVIDE HIS OWN LINE AND GRADE FROM HORIZONTAL AND VERTICAL CONTROL. CONTRACTOR SHALL ALSO PROVIDE "AS BUILT" GRADES CERTIFIED BY A REGISTERED LAND SURVEYOR AS REQUIRED BY THE CITY OF MIAMI PUBLIC WORKS DEPARTMENT.
- PAVEMENT RESTORATION AND DRIVEWAY CONSTRUCTION SHALL BY CONSTRUCTED IN ACCORDANCE WITH THE CITY OF MIAMI PUBLIC WORKS DEPARTMENT.
- CONTRACTOR TO PROVIDE PROCTOR AND FIELD DENSITY TESTS (WHERE APPLICABLE) ON TRENCH FILL MATERIALS BASE AS REQUIRED IN THE SPECIFICATIONS. IN THE EVENT OF FIELD DENSITY TEST FAILURES, THE CONTRACTOR SHALL REWORK THE BASE AND/OR SUBGRADE AS REQUIRED AND PROVIDE ADDITIONAL TEST(S), AS REQUIRED, AT HIS EXPENSE.
- PAVEMENT RESTORATION SHALL BE IN ACCORDANCE WITH THE CITY OF MIAMI PUBLIC WORKS DEPARTMENT STANDARD (2010) DETAIL MISC 35-85-37 OR PER DETAILS SHOWN ON THESE PLANS.
- BID PRICES SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS COMPLETE IN PLACE, TESTED, AND ACCEPTED BY THE ENGINEER.
- THE CONTRACTOR SHALL USE SWEEPER (USING WATER) OR OTHER EQUIPMENT CAPABLE OF CONTROLLING AND REMOVING DUST. APPROVAL OF THE USE OF SUCH EQUIPMENT IS CONTINGENT UPON ITS DEMONSTRATED ABILITY TO DO WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR KEEPING EXISTING AND NEW INLET'S CLEAN OF MILLING MATERIAL, LIMEROCK, DEBRIS, ETC. THIS SHALL BE DONE DURING THE CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER. ALL EXISTING LINES AND STRUCTURES SHALL BE CLEANED PRIOR TO FINAL INSPECTION AND ACCEPTANCE.
- PEDESTRIAN CURB RAMPS AND DETECTABLE WARNING DOMES SHALL COMPLY WITH FDOT STANDARD 304 AND SHALL BE CAST IN PLACE YELLOW SUCH AS ARMOR-TILE TYPE.
- CONTRACTOR SHALL CONTACT SUNSHINE AT (800) 432-4770 AT LEAST 48 HOURS PRIOR TO PERFORMING ANY DIGGING TO VERIFY THE EXACT LOCATION OF EXISTING UTILITIES. THE CONTRACTOR SHALL COMPLY WITH MIAMI DADE COUNTY'S WHITE LINE ORDINANCE AND UTILIZE LOW IMPACT UTILITY MARKING PAINT.
- EXISTING TREES SHALL BE REMOVED ONLY IF REQUIRED FOR CONSTRUCTION. THOSE TREES NOT INTERFERING WITH CONSTRUCTION SHALL BE PROTECTED IN PLACE. THE CONTRACTOR IS ADVISED THAT A TREE PERMIT IS REQUIRED FOR TREE REMOVAL AND RELOCATION. CONTRACTOR SHALL NOTIFY THE CITY OF MIAMI PRIOR TO REMOVING AND RELOCATING ANY TREES. REFER TO LANDSCAPE PLAN FOR MORE INFORMATION. TREE TRIMMING AND REMOVAL PERMITS ON MIAMI DADE TRANSIT AGENCY PROPERTY SHALL BE ADMINISTERED BY THE CITY'S NET OFFICE.
- EXISTING GRADES WERE TAKEN FROM THE BEST AVAILABLE DATA AND MAY NOT ACCURATELY REFLECT PRESENT CONDITIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH CURRENT SITE CONDITIONS, AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO STARTING WORK.
- THE CONTRACTOR SHALL PREPARE AND SUBMIT SHOP DRAWINGS FOR ALL ITEMS LISTED IN PROJECT SPECIFICATION (WHERE APPLICABLE).
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.
- ALL EXCAVATED MATERIAL REMOVED FROM THIS PROJECT SHALL BE DISPOSED OF PROPERLY BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
- EXCAVATED OR OTHER MATERIAL STORED ADJACENT TO OR PARTIALLY UPON A ROADWAY PAVEMENT SHALL BE ADEQUATELY MARKED FOR TRAFFIC SAFETY AT ALL TIMES.
- TEMPORARY PATCH MATERIAL SHALL BE ON THE JOB SITE WHENEVER PAVEMENT IS CUT.
- ALL EXISTING DRAINAGE STRUCTURES AND PIPES ARE TO REMAIN AND TO BE PROTECTED UNLESS OTHERWISE SPECIFIED AND APPROVED.
- THE CONTRACTOR SHALL NOT REMOVE OR RELOCATE ANY TREES WITHOUT PRIOR APPROVAL FROM THE CITY. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS FROM THE CITY PUBLIC WORKS DEPARTMENT PRIOR TO ANY TREE REMOVAL/RELOCATION. THE CONTRACTOR SHALL PRUNE, ROOT PRUNE, AND SUPPORT ALL TREES THAT ARE ADJACENT TO TRENCH EXCAVATION. COST SHALL BE DEEMED INCIDENTAL TO THE TOTAL PROJECT COST. TREE TRIMMING AND REMOVAL PERMITS ON MIAMI DADE TRANSIT AGENCY PROPERTY SHALL BE ADMINISTERED BY THE CITY'S NET OFFICE.
- CONTRACTOR SHALL IMPLEMENT AND ENFORCE ALL NPDES EROSION AND SEDIMENT CONTROL RULES AND REGULATIONS.
- CONTRACTOR SHALL PLANT THE TREES OUTSIDE THE SIGHT TRIANGLE OF EACH DRIVEWAY OR AS DIRECTED BY THE CITY.
- CONTRACT SHALL INCLUDE IN THE BID PRICE FOR CLEARING AND GRUBBING OF THE FOLLOWING ITEMS: STREET NAMES, CONCRETE DRIVEWAY PADS, ASPHALTIC DRIVEWAY PADS, SIDEWALK FLAGS TO BE REPLACED AND CURB RAMPS.

**ENVIRONMENTAL NOTES**

- ANY MATERIAL TO BE STOCKPILED FOR PERIODS GREATER THAN 24 HOURS SHALL BE PROTECTED BY APPROPRIATE EROSION CONTROL DEVICES.
- THE CONTRACTOR SHALL REVIEW ENVIRONMENTAL REQUIREMENTS OF ANY PROPOSED STAGING AREAS WITH THE PROJECT ENGINEER (INSERT CONTACT INFORMATION HERE) AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO USE.
- CONTRACTOR SHALL NOT STAGE OR OPERATE EQUIPMENT WITHIN THE DRIPLINE OF TREES.
- CONTRACTOR TO PROVIDE A CERTIFIED ARBORIST WHO WILL DETERMINE ANY ROOT PRUNING AND ANY OTHER TRIMMING ACTIVITIES. COST TO BE INCIDENTAL TO CONSTRUCTION. NO ADDITIONAL COMPENSATION WILL BE PROVIDED.
- A NATIONAL POLLUTANT AND DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT IS REQUIRED. CONTACT ELYROSA ESTEVEZ OF CITY OF MIAMI PUBLIC WORKS NPDES SECTION STORMWATER, EROSION AND SEDIMENT CONTROL DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY'S MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) PERMIT. A NPDES PERMIT FROM THE FDEP WILL ALSO BE REQUIRED.
- UNIDENTIFIED AREAS OF CONTAMINATION  
WHEN ENCOUNTERING OR EXPOSING ANY ABNORMAL CONDITION INDICATING THE PRESENCE OF A HAZARDOUS OR TOXIC WASTE, OR CONTAMINANTS, CEASE OPERATIONS IMMEDIATELY IN THE VICINITY AND NOTIFY THE LAP CITY OF MIAMI ENGINEER. THE PRESENCE OF TANKS OR BARRELS; DISCOLORED EARTH, METAL, WOOD, GROUND WATER, ETC.; VISIBLE FUMES; ABNORMAL ODORS; EXCESSIVELY HOT EARTH; SMOKE; OR OTHER CONDITIONS THAT APPEAR ABNORMAL MAY INDICATE HAZARDOUS OR TOXIC WASTES OR CONTAMINANTS AND MUST BE TREATED WITH EXTREME CAUTION.

MAKE EVERY EFFORT TO MINIMIZE THE SPREAD OF CONTAMINATION INTO UNCONTAMINATED AREAS. IMMEDIATELY PROVIDE FOR THE HEALTH AND SAFETY OF ALL WORKERS AT THE JOB SITE AND MAKE PROVISIONS NECESSARY FOR THE HEALTH AND SAFETY OF THE PUBLIC THAT MAY BE EXPOSED TO ANY POTENTIALLY HAZARDOUS CONDITIONS. PROVISIONS SHALL MEET ALL APPLICABLE LOCAL, STATE, AND FEDERAL LAWS, RULES, REGULATIONS OR CODES COVERING HAZARDOUS CONDITIONS AND WILL BE IN A MANNER COMMENSURATE WITH THE GRAVITY OF THE CONDITIONS.

THE LAP CITY OF MIAMI ENGINEER AND/OR CONTRACTOR WILL COORDINATE AND MOBILIZE A QUALIFIED CONTAMINATION ASSESSMENT/REMEDATION (CAR) CONTRACTOR. QUALIFICATIONS OF SUCH CAR CONTRACTOR SHALL INCLUDE, BUT NOT BE LIMITED TO: EXPERIENCE AND PERSONNEL TO PREPARE CONTAMINATION ASSESSMENT PLANS, CONDUCT CONTAMINATION ASSESSMENTS, PREPARE SITE ASSESSMENT REPORTS, REMEDIATION PLANS, IMPLEMENT REMEDIAL ACTION PLANS, RISK BASED CORRECTIVE ACTIONS, STORAGE TANKS SYSTEM REMOVAL, HIGHWAY SPILL RESPONSE AS WELL AS EXPERIENCE WITH INFRASTRUCTURE/CONSTRUCTION ACTIVITIES WITHIN (POTENTIALLY) CONTAMINATED AREAS SPECIFIC TO TRANSPORTATION SYSTEMS.

ALL THE WORK PERFORMED BY THE CAR CONTRACTOR SHALL BE PERFORMED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS GOVERNING WORKER SAFETY AND ENVIRONMENTAL REGULATIONS. THIS IS TO INCLUDE OCCUPATIONAL EXPOSURE TO CONTAMINATED SOILS, GROUNDWATER, WASTES AND ATMOSPHERE DURING THE CONSTRUCTION OF ALL FEATURES INCLUDED IN THE CONSTRUCTION PLANS. IN ADDITION, THE CAR CONTRACTOR MUST BE STAFFED WITH FLORIDA LICENSED TECHNICAL PROFESSIONALS (GEOLOGISTS AND ENGINEERS) WHO WILL BE INVOLVED WITH THE PROJECT AND KNOWLEDGEABLE OF THE WORK ACTIVITIES CONDUCTED WITHIN THE IDENTIFIED CONTAMINATED AREAS AND WHO WOULD SIGN AND SEAL PROJECT REPORTS AS REQUIRED FOR SUBMITTAL TO THE APPROPRIATE ENVIRONMENTAL REGULATORY AGENCIES.

THE LAP CITY OF MIAMI ENGINEER WILL IMMEDIATELY NOTIFY THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) DISTRICT VI CONTAMINATION IMPACT COORDINATOR (DCIC) AT (305) 470-5228 AFTER ENCOUNTERING THE UNIDENTIFIED AREAS OF CONTAMINATION. PRELIMINARY INVESTIGATION BY THE CAR CONTRACTOR WILL DETERMINE THE COURSE OF ACTION NECESSARY FOR SITE SECURITY AND THE STEPS NECESSARY UNDER APPLICABLE LAWS, RULES, AND REGULATIONS FOR ADDITIONAL ASSESSMENT AND/OR REMEDIATION WORK TO RESOLVE THE CONTAMINATION ISSUE.

FOLLOWING COMPLETION OF THE PROJECT, THE CAR CONTRACTOR SHALL BE REQUIRED TO PROVIDE COPIES OF ALL REPORTS SUBMITTED TO REGULATORY AGENCIES, WASTE MATERIAL PROFILES, MANIFESTS AND/OR DISPOSAL RECEIPTS FOR THE HANDLING OF ALL CONTAMINATED MEDIA INCLUDING BUT NOT LIMITED TO GROUND WATER, WASTE WATER, SOILS, SOLID WASTES, SLUDGE, HAZARDOUS WASTES, AIR MONITORING RECORDS AND SAMPLE RESULTS FOR ALL MATERIALS TESTED AND ANALYZED TO THE LAP CITY OF MIAMI ENGINEER AND THE FDOT DCIC.

- NO STAGING OR ADDITIONAL ACTIVITIES FOR THIS PROJECT NOT DEPICTED ON THE CURRENT PLAN SUBMITTAL WILL BE ALLOWED WITHIN THE NATIONAL REGISTER-ELIGIBLE SPRING GARDEN HISTORIC DISTRICT (8DA6419) AND NW 11TH STREET ROW FROM NW 11TH COURT TO NW 8TH STREET ROAD: STA. 4+75.00 RT TO STA. 17+85.00 RT.
- ARCHAEOLOGICAL MONITORING BY A PROFESSIONAL ARCHAEOLOGIST MEETING THE SECRETARY OF THE INTERIOR'S PROFESSIONAL QUALIFICATIONS STANDARDS AND APPROVED BY BOTH THE CITY OF MIAMI AND THE FDOT DISTRICT SIX CULTURAL RESOURCES COORDINATOR IS REQUIRED FOR SUBSURFACE EXCAVATION BETWEEN STATIONS 14+80.00 TO STA. 22+00.00. THE CONTRACTOR MUST COORDINATE WITH THE ARCHAEOLOGIST CONTRACTED BY THE CITY OF MIAMI, PROVIDING AT LEAST 72-HOURS NOTICE PRIOR TO EXCAVATION.



<i>REVISIONS</i>			<i>EOB</i>		<b>CITY OF MIAMI</b>		<b>GENERAL NOTES &amp; LEGEND</b>	SHEET NO.
DATE	BY	DESCRIPTION			<b>CAPITAL IMPROVEMENTS PROGRAM</b>			
			Francisco J. Alonso, P.E. No. 66918		<b>OVERTOWN GREENWAY PHASE II</b>		B-173648	2
			<b>T·Y·L·I·N</b> INTERNATIONAL		444 S.W. 2ND AVENUE, 8TH FLOOR MIAMI, FLORIDA 33130 (305) 416-1213 FAX (305) 416-1253		FROM NW 12 AVE TO NW 7TH AVE	

SUMMARY OF PAY ITEMS

ROADWAY				
PAY ITEM	PAY ITEM DESCRIPTION	UNIT	PLAN QUANTITY	FINAL QUANTITY
101-1	Mobilization	LS	1	
102-1	Maintenance of Traffic	LS	1	
104-18	Inlet Protection	EA	4	
110-1-1	Clearing and Grubbing	LS	1	
110-4-10	Removal of Existing Concrete Pavement	SY	2,031	
160-4	Type B Stabilization	SY	2,796	
425-4	Inlet Adjust	EA		
425-5-1	Manhole Adjust	EA	6	
425-6	Valve Adjust	EA	2	
	Pull Box Adjust	EA	22	
520-2- AA	Concrete Curb	LF	20	
522-1	Sidewalk Concrete, 4" Thick	SY	2,395	
522-2	Sidewalk Concrete, 6" Thick	SY	137	
524-2-AB	Sidewalk Concrete, 9" Thick	SY	264	
527-1	Detectable Warning on Walking Surface Retrofit	SY	17	
	Lighting System	LS	1	
	Hardscape Complete (see landscape plans)	LS	1	
580-1-1	Landscape Complete (see landscape plans, Small plants)	LS	1	
580-1-2	Landscape Complete (see landscape plans, Large plants)	LS	1	
	Permitting Allowance	LS	1	


PAY ITEM NOTES

1. ALL DEMOLITION AND FENCE REMOVAL, WITH THE EXCEPTION OF THE REMOVAL OF EXISTING CONCRETE PAVEMENT, SHALL BE PAID UNDER CLEARING AND GRUBBING

SUMMARY OF PAY ITEMS

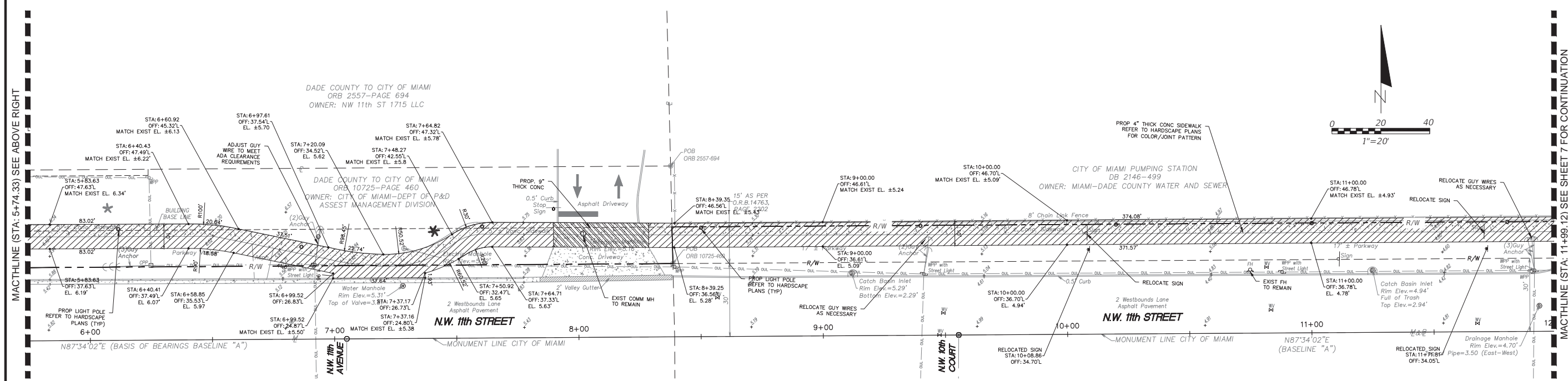
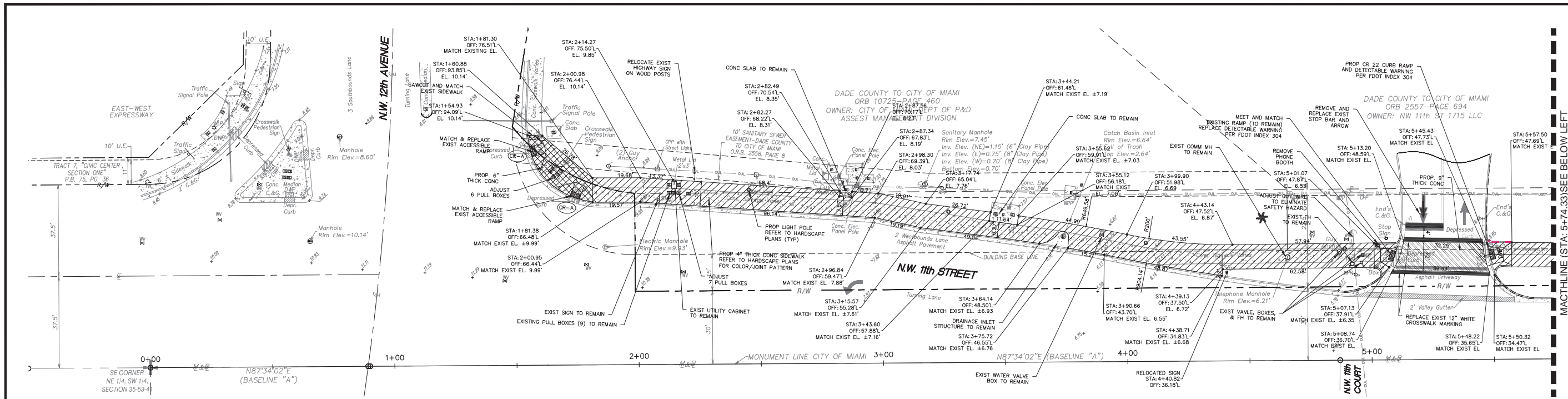
SIGNING AND PAVEMENT MARKING				
PAY ITEM	PAY ITEM DESCRIPTION	UNIT	PLAN QUANTITY	FINAL QUANTITY
0711 11123	12" Solid Traffic Stripe (White)	LF	278	
0711 11125	24" Solid Traffic Stripe (White)	LF	161	
0711 11170	Directional Arrows	EA	2	
0711 11211	6" Solid Traffic Stripe (Yellow)	LF		
0700 20 11	Single Post Sign, F&I, Less than 12 sf	AS	6	
0700 02 40	Single Post Sign	AS	5	
0700 20 60	Single Post Sign, Remove	AS	5	



<p align="center">REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>			DATE	BY	DESCRIPTION				<p>EOR</p> <p align="center">Francisco J. Alonso, P.E. No. 66918</p> <p><b>T·Y·LIN INTERNATIONAL</b></p>	 <p><b>CITY OF MIAMI</b> CAPITAL IMPROVEMENTS PROGRAM</p> <p>444 S.W. 2ND AVENUE, 8TH FLOOR MIAMI, FLORIDA 33130 (305) 416-1213 FAX (305) 416-1253</p>	<p align="center"><b>CITY OF MIAMI</b> CAPITAL IMPROVEMENTS PROGRAM</p> <table border="1"> <tr> <td>PROJECT NAME</td> <td>PROJECT No.</td> </tr> <tr> <td>OVERTOWN GREENWAY PHASE II NW 11 STREET FROM NW 12 AVE TO NW 7TH AVE</td> <td>B-173648</td> </tr> </table>	PROJECT NAME	PROJECT No.	OVERTOWN GREENWAY PHASE II NW 11 STREET FROM NW 12 AVE TO NW 7TH AVE	B-173648	<p><b>SUMMARY OF PAY ITEMS</b></p>	<p>SHEET NO.</p> <p align="center"><b>3</b></p>
DATE	BY	DESCRIPTION															
PROJECT NAME	PROJECT No.																
OVERTOWN GREENWAY PHASE II NW 11 STREET FROM NW 12 AVE TO NW 7TH AVE	B-173648																







- LEGEND**
- PROPOSED 4\"/>
  - PROPOSED 6\"/>
  - PROPOSED 9\"/>

- NOTES:**
1. ALL EXISTING SIDEWALK, PAVEMENT, AND PAVERS WITHIN LIMITS OF PROPOSED SIDEWALK SHALL BE REMOVED.
  2. ELEVATIONS ARE REFERENCED TO CITY OF MIAMI DATUM.
  3. ALL NEW SIDEWALK CONSTRUCTED MUST HAVE A MAXIMUM OF 2% CROSS-SLOPE AND SHALL NOT EXCEED 5% LONGITUDINAL SLOPE.
  4. A MINIMUM OF 2\"/>

REVISIONS		
DATE	BY	DESCRIPTION

EOR  
Francisco J. Alonso, P.E.  
No. 66918  
**T·Y·LIN INTERNATIONAL**

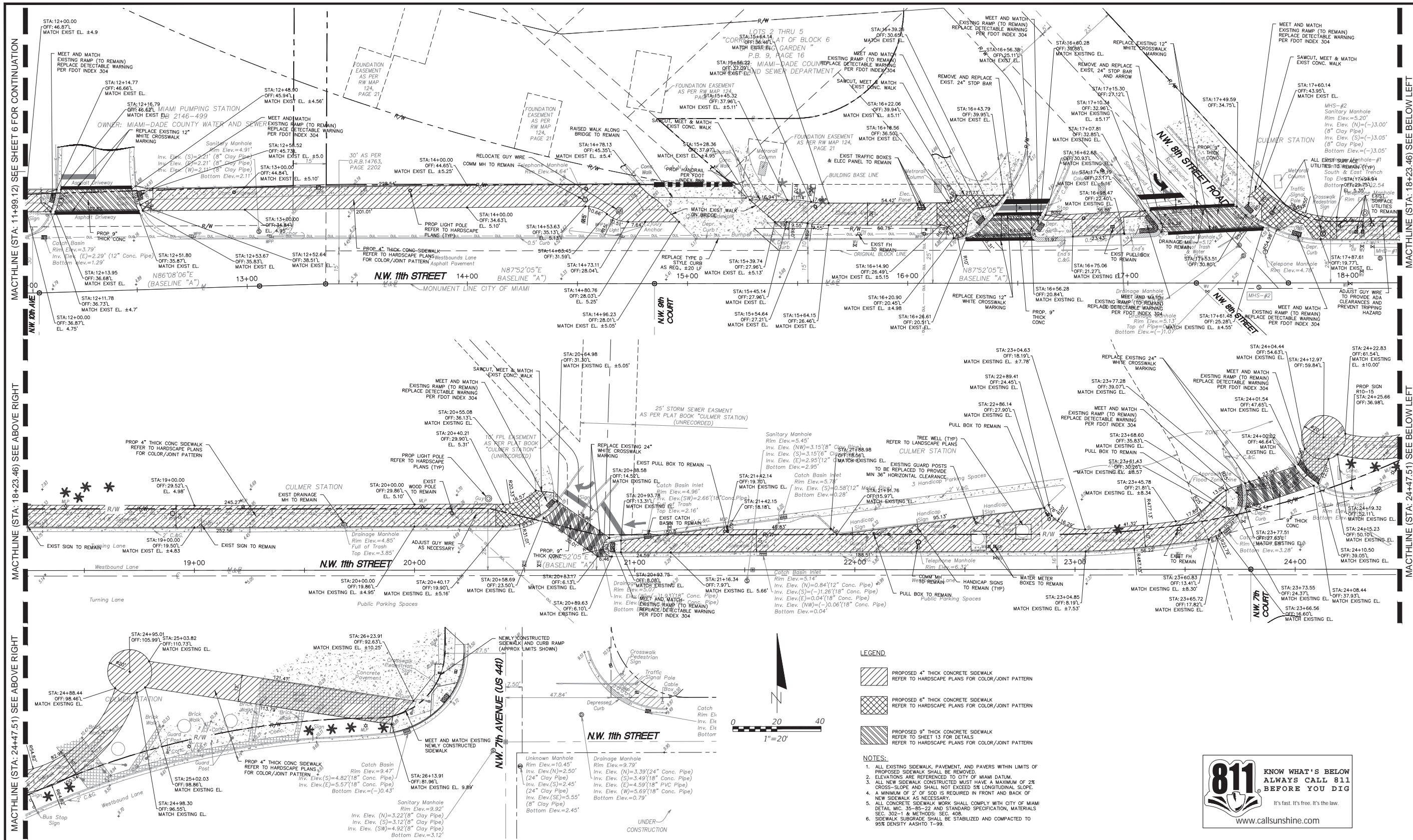


**CITY OF MIAMI**  
CAPITAL IMPROVEMENTS PROGRAM  
444 S.W. 2ND AVENUE, 8TH FLOOR  
MIAMI, FLORIDA 33130  
(305) 416-1213 FAX (305) 416-1253

CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM	
PROJECT NAME <b>OVERTOWN GREENWAY PHASE II</b> NW 11 STREET FROM NW 12 AVE TO NW 7TH AVE	PROJECT No. B-173648

**GEOMETRY & SIDEWALK PLAN**

SHEET NO.  
**6**



REVISIONS	
DATE	DESCRIPTION

EOR  
**Francisco J. Alonso, P.E.**  
 No. 66918  
**T·Y·LIN INTERNATIONAL**



**CITY OF MIAMI**  
 CAPITAL IMPROVEMENTS PROGRAM  
 444 S.W. 2ND AVENUE, 8TH FLOOR  
 MIAMI, FLORIDA 33130  
 (305) 416-1213 FAX (305) 416-1253

CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM	
PROJECT NAME	PROJECT No.
OVERTOWN GREENWAY PHASE II NW 11 STREET FROM NW 12 AVE TO NW 7TH AVE	B-173648

**GEOMETRY & SIDEWALK PLAN**  
 SHEET NO. **7**

**LEGEND**  
 PROPOSED 4" THICK CONCRETE SIDEWALK REFER TO HARDSCAPE PLANS FOR COLOR/Joint PATTERN  
 PROPOSED 6" THICK CONCRETE SIDEWALK REFER TO HARDSCAPE PLANS FOR COLOR/Joint PATTERN  
 PROPOSED 9" THICK CONCRETE SIDEWALK REFER TO SHEET 13 FOR DETAILS REFER TO HARDSCAPE PLANS FOR COLOR/Joint PATTERN

- NOTES:**  
 1. ALL EXISTING SIDEWALK, PAVEMENT, AND PAVERS WITHIN LIMITS OF PROPOSED SIDEWALK SHALL BE REMOVED.  
 2. ELEVATIONS ARE REFERENCED TO CITY OF MIAMI DATUM.  
 3. ALL NEW SIDEWALK CONSTRUCTION MUST HAVE A MAXIMUM OF 2% CROSS-SLOPE AND SHALL NOT EXCEED 5% LONGITUDINAL SLOPE.  
 4. A MINIMUM OF 2" OF SOD IS REQUIRED IN FRONT AND BACK OF NEW SIDEWALK AS NECESSARY.  
 5. ALL CONCRETE SIDEWALK WORK SHALL COMPLY WITH CITY OF MIAMI DETAIL MIC. 35-85-22 AND STANDARD SPECIFICATION, MATERIALS SEC. 302-1 & METHODS, SEC. 408.  
 6. SIDEWALK SUBGRADE SHALL BE STABILIZED AND COMPACTED TO 95% DENSITY AASHTO T-99.

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**STORM WATER POLLUTION PREVENTION NOTES:**

THE FOLLOWING NARRATIVE OF THE STORMWATER POLLUTION PREVENTION PLAN CONTAINS REFERENCES TO THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE DESIGN STANDARDS, AND OTHER SHEETS OF THESE CONSTRUCTION PLANS. THE FIRST SHEET OF THE CONSTRUCTION PLANS KEY SHEET CONTAINS AN INDEX TO THE OTHER SHEETS. THE COMPLETE STORMWATER POLLUTION PREVENTION PLAN INCLUDES SEVERAL ITEMS: THIS NARRATIVE DESCRIPTION, THE DOCUMENTS REFERENCED IN THIS NARRATIVE, THE CONTRACTOR'S APPROVED EROSION CONTROL PLAN REQUIRED BY SPECIFICATION SECTION 104, AND REPORTS OF INSPECTIONS MADE DURING CONSTRUCTION.

- A. THE FOLLOWING NARRATIVE AND REFERENCED DOCUMENTS,
- B. THE CONTRACTOR'S APPROVED EROSION AND SEDIMENT CONTROL PLAN REQUIRED BY SPECIFICATION SECTION 104, CITY OF MIAMI PW BULLETIN No. 25 AND CITY ORDINANCE No. 13081,
- C. REPORT OF INSPECTIONS MADE DURING CONSTRUCTION.

**1.0 SITE DESCRIPTION**

**1.A. NATURE OF CONSTRUCTION ACTIVITY:**

THE PLAN DELINEATED IN THIS SWPPP IS FOR CONSTRUCTION ACTIVITIES WITHIN OVERTOWN GREENWAY NW 11TH STREET FROM NW 7TH AVENUE TO NW 12TH AVENUE. THE PROJECT INCLUDES CONSTRUCTION OF SIDEWALK IMPROVEMENTS AND INSTALLATION OF LANDSCAPING AND HARDSCAPE.

**1.B. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:**

IN THE SECTION 104 EROSION & SEDIMENT CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A DETAIL SEQUENCE OF CONSTRUCTION FOR ALL CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL FOLLOW THE SEQUENCE OF MAJOR ACTIVITIES DESCRIBED BELOW, UNLESS THE CONTRACTOR PROPOSES A DIFFERENT SEQUENCE THAT IS THE EQUAL OR BETTER AT CONTROLLING EROSION AND TRAPPING SEDIMENT AND IS APPROVED BY THE ENGINEER.

INSTALL PERIMETER EROSION AND SEDIMENT CONTROLS AFTER CLEARING AND GRUBBING NECESSARY FOR INSTALLATION OF CONTROLS BUT BEFORE CLEARING AND GRUBBING OTHER AREAS OF THE SITE.

1. CLEARING AND GRUBBING.
2. ASPHALT MILLING AND RESURFACING
3. DRAINAGE WORK

**1.C. AREA ESTIMATES**

TOTAL PROJECT AREA: 0.56 ACRES  
TOTAL AREA TO BE DISTURBED: 0.56 ACRES

**1.D. RUNOFF DATA**

Runoff Coefficients:

Before Construction: 0.78  
During Construction: 0.78  
After Construction: 0.98

**1.E. SITE MAP**

THE SHEETS CONSTRUCTION PLANS ARE BEING USED AS THE SITE MAPS. THE LOCATION OF THE REQUIRED INFORMATION IS DESCRIBED BELOW. THE SHEET NUMBERS FOR THE PLANS REFERENCED IN THIS SECTION ARE IDENTIFIED ON THE KEY SHEET OF THE PLANS.

- \* DRAINAGE PATTERNS: THE DRAINAGE BASIN DIVIDES AND FLOW DIRECTIONS ARE SHOWN ON THE GRADING & DRAINAGE PLAN. THE FLOW ARROWS REPRESENT THE FLOW DIRECTION.
- \* APPROXIMATE SLOPES: THE PLANS MAINTAINS A 2% TYPICAL CROSS SLOPE AS INDICATED ON THE TYPICAL SECTION.
- \* AREAS OF SOIL DISTURBANCE: THE LIMITS OF SOIL DISTURBANCE ARE SHOWN ON THE TYPICAL SECTION SHEETS AND PLANS SHEETS.
- \* AREAS NOT TO BE DISTURBED: ENTIRE PROJECT AREA TO BE DISTURBED.
- \* LOCATIONS OF TEMPORARY CONTROLS: ROCK BAGS WILL BE LOCATED AROUND ALL EXISTING AND PROPOSED INLETS; TURBIDITY BARRIERS WILL BE LOCATED AT ANY BODIES OF WATER AFFECTED BY THIS PROJECT.
- \* LOCATIONS OF PERMANENT CONTROLS: PERMANENT FEATURES ARE SHOWN ON THE CONSTRUCTION PLANS, WHICH GENERALLY CONSIST OF SOD, ASPHALT, CONCRETE, AND DRAINAGE STRUCTURES.
- \* SURFACE WATERS: NONE
- \* WETLAND AREAS: NONE
- \* AREAS TO BE STABILIZED: NEW ROADWAY BASE AND SODDED AREAS

**2.0 CONTROLS**

**2.A. EROSION AND SEDIMENT CONTROLS:**

IN THE SECTION 104 EROSION AND SEDIMENT CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED STABILIZATION AND STRUCTURAL PRACTICES BASED ON THE CONTRACTOR'S TRAFFIC CONTROL PLAN. THE FOLLOWING RECOMMENDED GUIDELINES ARE BASED ON THE TRAFFIC CONTROL PLAN (TCP) OUTLINED IN THESE CONSTRUCTION PLANS. THE CONTRACTOR MAY CHOOSE TO ACCEPT THE FOLLOWING GUIDELINES OR MODIFY THEM IN THE SECTION 104 EROSION CONTROL PLAN, SUBJECT TO APPROVAL OF THE ENGINEER. AS WORK PROGRESSES, THE CONTRACTOR SHALL MODIFY THE PLAN TO ADAPT TO SEASONAL VARIATION, CHANGES IN CONSTRUCTION ACTIVITIES AND THE NEED FOR BETTER PRACTICES TO LIMIT THE TRANSPORT OF SEDIMENT FROM THE CONSTRUCTION AREA. THE CONTRACTOR SHALL MINIMIZE THE SOIL AREAS EXPOSED AT ANY GIVEN TIME AND SHALL STABILIZE AREAS THAT WILL REMAIN IDLE FOR MORE THAN 7 DAYS. THE CONTRACTOR SHALL UTILIZE GRADING TECHNIQUES TO DIRECT RUNOFF TO AREAS WITH THE PROPER EROSION CONTROL FEATURES INSTALLED AND AWAY FROM OPEN WATER OR OTHER SENSITIVE AREAS ADJACENT TO THE WORK SITE.

**2.A.1 STABILIZATION PRACTICES:**

IN THE SECTION 104 EROSION & SEDIMENT CONTROL PLANS, THE CONTRACTOR SHALL DESCRIBE THE STABILIZATION PRACTICES PROPOSED TO CONTROL EROSION. THE CONTRACTOR SHALL INITIATE ALL STABILIZATION MEASURES AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 14 DAYS. IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED THE STABILIZATION PRACTICES PROPOSED BY THE CONTRACTOR SHALL INCLUDE AT LEAST THE FOLLOWING:

PERMANENT:

- \* ASPHALT OR CONCRETE SURFACE.
- \* SOD IN ACCORDANCE WITH ORDINANCE 12636.

**2.A.2 STRUCTURAL PRACTICES:**

IN THE SECTION 104 EROSION & SEDIMENT CONTROL PLANS, THE CONTRACTOR SHALL DESCRIBE THE STRUCTURAL PRACTICES TO CONTROL OR TRAP SEDIMENT AND OTHERWISE PREVENT THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. ALL SEDIMENTS CONTROLS SHALL BE IN PLACE BEFORE ANY SOIL DISTURBING ACTIVITY UPSTREAM OF THE CONTROL. THE STRUCTURAL PRACTICES PROPOSED BY THE CONTRACTOR SHALL INCLUDE AT LEAST THE FOLLOWING:

TEMPORARY:

- \* ROCK BAGS IN ACCORDANCE WITH DESIGN STANDARD 102 AND SPECIFICATION SECTION 104.

PERMANENT:

- \* CURB AND GUTTER
- \* DRAINAGE STRUCTURES
- \* SOD

**2.B. STORM WATER MANAGEMENT:**

DRAINAGE PATTERNS AND DIVIDES ARE INCLUDED ON THE DRAINAGE MAP INCLUDED IN THE DRAINAGE REPORT. STORM WATER IS CAPTURE BY PROPOSED INLETS AND RETAIN IN INFILTRATION TRENCHES

**2.C. OTHER CONTROLS:**

THE CONTRACTOR SHALL PRACTICE GOOD HOUSEKEEPING BY INSTITUTING A CLEAN, ORDERLY CONSTRUCTION SITE; THE FOLLOWING CONTROLS SHALL BE IMPLEMENTED TO FURTHER REDUCE POLLUTION AT THE PROJECT SITE:

**2.C.1. DISCHARGE OF MATERIAL TO SURFACE WATERS:**

NO CONSTRUCTION MATERIAL SHALL BE DISCHARGE TO WATERS OF THE STATE UNLESS AUTHORIZED BY SECTION 40. PERMIT AND/OR CONSTRUCTION DEBRIS SHALL BE DISPOSED OF IN AN APPROVED UPLAND LOCATION. BUILDING MATERIAL SHALL NOT BE DISPOSED OF IN WETLANDS OR BURIED ON-SITE. IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED METHODS TO PREVENT THE DISCHARGE OF SOLID MATERIALS, INCLUDING BUILDING MATERIAL. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

- \* PROVIDE LITTER CONTROL AND COLLECTION WITHIN THE PROJECT LIMITS DURING CONSTRUCTION ACTIVITIES.
- \* DISPOSE OF ALL FERTILIZER OR OTHER CHEMICAL CONTAINERS ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER.
- \* DISPOSE OF SOLID MATERIALS INCLUDING BUILDING AND CONSTRUCTION MATERIALS OFF THE PROJECT SITE BUT NOT IN SURFACE WATERS OR WETLANDS.

**2.C.2. OFF-SITE VEHICLE TRACKING AND DUST CONTROL:**

THE CONTRACTOR SHALL TAKE MEASURES TO INSURE THE CLEANUP OF THE SEDIMENTS THAT HAVE BEEN TRACKED BY VEHICLES OR HAVE BEEN TRANSPORTED BY WIND OR STORM WATER ABOUT THE SITE OR ONTO NEARBY ROADWAYS.

STABILIZED CONSTRUCTION ENTRANCES AND CONSTRUCTION ROADS, IF APPROPRIATE, SHALL BE IMPLEMENTED IN ORDER TO REDUCE OFF-SITE TRACKING. LOADED HAUL TRUCKS SHALL BE COVERED WITH TARPULIN. EXCESS DIRT ON THE ROAD SHALL BE REMOVED DAILY. PROVIDE A STREET SWEEPING PLAN TO THE CITY INSPECTOR.

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED METHODS FOR MINIMIZING OFFSITE VEHICLE TRACKING OF SEDIMENTS AND GENERATING DUST. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING UNLESS OTHERWISE APPROVED BY THE ENGINEER.

- \* COVER LOADED HAUL TRUCKS WITH TARPAULINS.
- \* REMOVE EXCESS DIRT FROM ROADS DAILY.
- \* STABILIZE CONSTRUCTION ENTRANCES ACCORDING TO DESIGN STANDARDS 106. (CONSTRUCTION ENTRANCES ARE ALREADY STABILIZED FOR THIS PROJECT)


**2.C.3. WASTE DISPOSAL, SANITARY SEWER OR SEPTIC TANK REGULATIONS:**

THE CONTRACTOR SHALL DEMONSTRATE THE PROPER DISPOSAL OF ALL CONSTRUCTION WASTE GENERATED WITHIN THE PROJECT LIMITS. WASTE MAY INCLUDE, BUT NOT LIMITED TO, VEGETATION FROM CLEANING AND GRUBBING ACTIVITIES, PACKAGING MATERIAL, SCRAP BUILDING MATERIAL, LITTER FROM TRAVELING PUBLIC, SEWAGE FROM SANITARY FACILITIES, HERBICIDES AND PESTICIDES AND THEIR CONTAINERS, AND HYDROCARBON PRODUCTS SHALL BE DESIGNATE A WASTE COLLATION AREA ON SITE AND DELINEATE THE AREA ON THE SWPPP SITE MAP.

SANITARY SEPTIC FACILITIES SHALL BE PROVIDED AND MAINTAINED IN A NEAT AND SANITARY CONDITION, FOR THE USE OF THE CONTRACTOR'S EMPLOYEES AS NECESSARY TO COMPLY WITH THE REQUIREMENTS AND REGULATIONS OF THE STATE AND LOCAL BOARDS OF HEALTH. A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR AS REQUIRED BY THE STATE REGULATIONS WILL COLLECT ALL SANITARY WASTE FROM PORTABLE UNITS.

THE CONTRACTOR WILL PROVIDE LITTER CONTROL AND COLLECTION WITHIN THE PROJECT LIMITS DURING CONSTRUCTION ACTIVITIES. CONTRACTOR WILL PROVIDE AN ADEQUATE NUMBER OF LITTER CONTAINERS WITH LIQS AT THIS STAGING STOCKPILE AND FIELD OFFICE AREAS. WASTE COLLECTION WILL BE SCHEDULED SO THAT CONTAINERS ARE EMPTIED PRIOR TO OVERFLOW. SPILLED LITTER CONTAINERS WILL BE CLEANED UP IMMEDIATELY.



<p style="text-align: center;">R E V I S I O N S</p> <p style="text-align: center;">DESCRIPTION</p>			<p style="text-align: center;">EOR</p> <p style="text-align: center;">Francisco J. Alonso, P.E. No. 66918</p> <p style="text-align: center;"><b>T·Y·LIN INTERNATIONAL</b></p>	 <p style="text-align: center;"><b>CITY OF MIAMI</b> CAPITAL IMPROVEMENTS PROGRAM</p> <p style="text-align: center;">444 S.W. 2ND AVENUE, 8TH FLOOR MIAMI, FLORIDA 33130 (305) 416-1213 FAX (305) 416-1253</p>	<p><b>CITY OF MIAMI</b> <b>CAPITAL IMPROVEMENTS PROGRAM</b></p>		<p><b>STORMWATER POLLUTION PREVENTION PLAN NOTES</b></p>	<p>SHEET NO. <b>8</b></p>
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			OVERTOWN GREENWAY PHASE II NW 11 STREET FROM NW 12 AVE TO NW 7TH AVE	B-173648				



**STORM WATER POLLUTION PREVENTION NOTES CONTINUED:**

**2.C.4. FERTILIZERS AND PESTICIDES:**

THE APPLICATION AND HANDLING OF HERBICIDES AND PESTICIDES SHALL BE IN COMPLIANCE WITH THE MANUFACTURES-RECOMMENDED METHOD AND IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION FOR ROADS AND BRIDGE CONSTRUCTION. HERBICIDES AND PESTICIDES SHALL BE ONSITE IN THEIR ORIGINAL CONTAINERS WITH PRODUCT LABEL INTACT.

**2.C.5 TOXIC/HAZARDOUS MATERIAL HANDLING**

CONTRACTOR SHALL PROVIDE EQUIPMENT NECESSARY TO CONTAIN AND CLEAN UP SPILLS OF HAZARDOUS MATERIAL AFTER THEY OCCUR. SPILLED MATERIAL AND THE EQUIPMENT USED TO CLEAN UP THE SPILL SHALL NOT COME IN CONTACT WITH SURFACE WATERS OR BE INTRODUCED INTO STORM WATER. DISPOSAL OF SURPLUS PRODUCT WILL BE DONE ACCORDING TO MANUFACTURE RECOMMENDED METHOD.

CONTRACTOR SHALL PROVIDE A PROJECT SPECIFIC HAZARDOUS MATERIAL SPILL CONTROL PLAN TO ADDRESS THE HANDLING OF HYDROCARBON AND HAZARDOUS MATERIALS. PETROLEUM PRODUCTS SHALL BE STORED IN COVERED AREAS WITH SECONDARY CONTAINMENT SURROUNDING CONTAINER.

TOXIC/HAZARDOUS MATERIAL EXPOSED DURING CONSTRUCTION ACTIVITIES SHALL BE HANDLE AS PER THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

**2.D STATE AND LOCAL PERMITS TO BE APPLIED FOR:**

\* NPDES FROM THE CITY OF MIAMI PUBLIC WORKS DEPARTMENT

**3.0 MAINTENANCE**

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A PLAN FOR MAINTAINING ALL EROSION AND SEDIMENT CONTROLS THROUGHOUT CONSTRUCTION. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED IN GOOD WORKING ORDER BY THE CONTRACTOR. IF A CONTROL NEEDS REPAIR OR REPLACEMENT, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT AND RECORDED ON THE INSPECTION FORMS. MAINTENANCE SHALL CONTINUE UNTIL ALL ERODIBLE SOILS WITHIN THE CONTRIBUTING AREA HAVE BEEN STABILIZED. AT THIS POINT, THE CONTRACTOR SHALL REMOVE EXCESS SILT AT THE CONTROLS AND REMOVE THE TEMPORARY DEVICES. THE MAINTENANCE PLAN SHALL AT MINIMUM, COMPLY WITH THE FOLLOWING:

- \* INLET PROTECTION (ROCK BAGS): THE CONTRACTOR SHALL INSPECT THE PROTECTED INLETS EVERY TWO WEEKS AND REPLACE THE ROCK BAGS IF NECESSARY OR WHEN EXCESSIVE POUNDING OCCURS; ELIMINATE BREACHES IN THE PROTECTION.
- \* TURBIDITY BARRIER: MAINTAIN AS PER SECTION 104 OF THE SPECIFICATIONS.
- \* STREET SWEEPING: DAILY CONTROL AND DUST PREVENTION WITH WATER TRUCK.
- \* GRASSED AREAS: NEWLY SODDED AREAS AND ADJACENT AREAS DISTURBED BY CONSTRUCTION OPERATIONS SHALL BE REPAIRED AND MAINTAINED, WATERING AND MOWING AS NEEDED OR REQUIRED IN THE FDOT STANDARD SECIFICATIONS.

**4.0 INSPECTIONS**

QUALIFIED PERSONNEL SHALL INSPECT ALL THE CONTROL FEATURES AT LEAST ONE EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.50 INCHES OR GREATER. TO COMPLY THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAUGES AND RECORD THE DAILY RAINFALL. WHERE SITES HAVE BEEN PERMANENTLY STABILIZED, INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY WEEK. THE CONTRACTOR SHALL ALSO ENSURE THAT CONTROLS INSTALLED IN THE FIELD AGREE WITH THE LATEST STORMWATER POLLUTION PREVENTION PLAN (SWPPP). THE FOLLOWING ITEMS WILL BE INSPECTED:

- \* POINTS OF DISCHARGE TO SURFACE WATERS OR WETLANDS: INSPECT TO DETERMINE IF CONTROLS ARE EFFECTIVE IN PREVENTING OR MINIMIZING THE DISCHARGE OF POLLUTANTS.
- \* POINTS OF DISCHARGE TO MUNICIPAL SEPARATE STORM SEWER SYSTEMS (INLETS, ETC.): INSPECT TO DETERMINE IF CONTROLS ARE EFFECTIVE IN PREVENTING OR MINIMIZING THE DISCHARGE OF POLLUTANTS.
- \* DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED: INSPECT FOR EVIDENCE OF POTENTIAL FOR DISCHARGING POLLUTANTS INTO SURFACE WATERS OR STORMWATER SYSTEMS.
- \* AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION: INSPECT FOR EVIDENCE OF POTENTIAL FOR DISCHARGING POLLUTANTS INTO SURFACE WATERS OR STORMWATER SYSTEMS.
- \* STRUCTURAL CONTROLS: INSPECT FOR PROPER INSTALLATION AND OPERATION.
- \* STORMWATER MANAGEMENT SYSTEMS: INSPECT FOR PROPER OPERATION, EVIDENCE OF FLOODING DUE TO SEDIMENTATION OR CONTROLS REQUIRING MAINTENANCE.
- \* LOCATIONS WHERE VEHICLES ENTER AND EXIT THE SITE: INSPECT FOR EVIDENCE OF OFFSITE TRACKING.

THE CONTRACTOR SHALL INITIATE WITHIN 24 HOURS OF INSPECTION THAT INDICATES ITEMS ARE NOT IN GOOD WORKING ORDER BASED ON THE RESULTS OF THE INSPECTION, ALL MAINTENANCE OPERATIONS NEEDED TO ASSURE PROPER OPERATION OF ALL CONTROLS, BMP'S OR MEASURES IDENTIFIED IN THIS SWPPP SHALL BE DONE IN A TIMELY MANNER, BUT NO LATER THAN 7 CALENDAR DAYS FOLLOWING THE INSPECTION. IF NEEDED, POLLUTION PREVENTION CONTROLS SHALL BE REVISED AS APPROPRIATE IF FAILURES IN THE PLAN ARE NOTED; THESE REVISIONS SHALL BE IMPLEMENTED NO LATER THAN 7 CALENDAR DAYS FOLLOWING THE INSPECTION.

A REPORT (USE FDOT FORM 650-040-03) SUMMARIZING THE SCOPE OF THE INSPECTION SHALL INCLUDE THE INSPECTOR'S NAME, QUALIFICATIONS, DATE, RAINFALL DATA, OBSERVATIONS RELATING TO THE SWPPP, AND ACTIONS TAKEN SINCE THE LAST REPORT. THE REPORT SHALL IDENTIFY ALL INCIDENTS OF NON-COMPLIANCE.

IF THERE ARE NO INCIDENTS OF NON-COMPLIANCE, THE REPORT SHALL CONTAIN A CERTIFICATION THAT THE FACILITY IS IN COMPLIANCE WITH THE SWPPP AND THE PERMIT. THE REPORT SHALL BE SIGNED AND FILED AS REQUIRED BY THE GENERIC PERMIT.

THE CONTRACTOR SHALL MAINTAIN A FILE CONTAINING THE CURRENT SWPPP, NOI SUBMITTAL, CERTIFICATIONS AND ALL THE SIGNED INSPECTION REPORTS; THE NOTICE OF INTENT SUBMITTED AS REQUIRED BY CHAPTER 62-621, FAC, MUST BE POSTED AT THE SITE.

**5.0 NON-STORM WATER DISCHARGES:**

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL IDENTIFY ALL ANTICIPATED NON-STORM WATER DISCHARGES (EXCEPT FLOWS FROM FIRE FIGHTING ACTIVITIES) SUCH AS THOSE LISTED BELOW. THE CONTRACTOR SHALL DESCRIBE THE PROPOSED MEASURES TO PREVENT POLLUTION FROM THESE NON-STORM WATER DISCHARGES.

IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR IS TO CEASE OPERATIONS IN THAT AREA. THE CONTRACTOR SHALL CONTACT THE CITY OF MIAMI PROJECT MANAGER.

A DEWATERING PERMIT IS REQUIRED TO REMOVED GROUNDWATER FROM THE CONSTRUCTION SITE.

- \* CULVERT INSTALLATION METHODS
- \* SLURRY DISPOSAL
- \* DUST CONTROL
- \* EQUIPMENT WASHOUT
- \* PIPE DESILTING ACTIVITIES
- \* IRRIGATION

**6.0 CONTRACTOR SUBMITTAL:**

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DEVELOP AN EROSION CONTROL PLAN THAT PROVIDES A DETAILED DESCRIPTION OF ALL EROSION AND SEDIMENT CONTROLS, BMP'S AND MEASURES THAT WILL BE IMPLEMENTED AT THE CONSTRUCTION SITE FOR EACH ACTIVITY IDENTIFIED IN SECTION 1.B SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES. CONTRACTOR IS RESPONSIBLE FOR PROVIDING TIMEFRAMES IN WHICH THE CONTROLS WILL BE IMPLEMENTED, MAINTAINED AND REMOVED. THIS INFORMATION SHALL BE CONSIDERED IN COMPLIANCE WITH THE FDEP GENERIC PERMIT FOR STORM WATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION SITES.

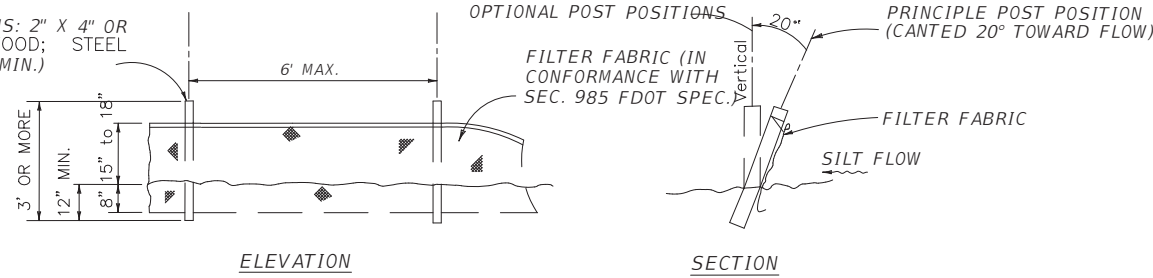
THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THE FOLLOWING ITEMS ARE ON SITE:

1. COPY OF THE SWPPP WITH THE ORIGINAL CERTIFICATION SIGNATURES.
2. COPY OF THE CONTRACTOR'S EROSION CONTROL PLAN.
3. HAZARDOUS SPILL CONTROL PLAN WITH GUIDELINES ON CONTACTING THE 24-HOUR EMERGENCY RESPONSE PROGRAM FOR HAZARDOUS MATERIAL SPILLS. THIS SHALL INCLUDE COPIES OF DISCHARGE NOTIFICATIONS THAT HAVE OCCURRED WITHIN THE PROJECT LIMITS.
4. COMPLETE INSPECTION FORMS.

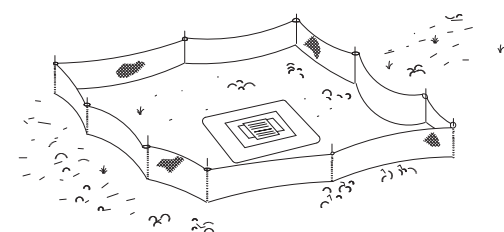


<p style="text-align: center;">R E V I S I O N S</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>			DATE	BY	DESCRIPTION				<p>EOR</p> <p style="text-align: center;">Francisco J. Alonso, P.E. No. 66918</p> <p><b>T·Y·LIN INTERNATIONAL</b></p>	 <p><b>CITY OF MIAMI</b> CAPITAL IMPROVEMENTS PROGRAM</p> <p>444 S.W. 2ND AVENUE, 8TH FLOOR MIAMI, FLORIDA 33130 (305) 416-1213 FAX (305) 416-1253</p>	<p style="text-align: center;"><b>CITY OF MIAMI</b> CAPITAL IMPROVEMENTS PROGRAM</p> <table border="1"> <tr> <td>PROJECT NAME</td> <td>PROJECT No.</td> </tr> <tr> <td><b>OVERTOWN GREENWAY PHASE II</b> NW 11 STREET FROM NW 12 AVE TO NW 7TH AVE</td> <td><b>B-173648</b></td> </tr> </table>	PROJECT NAME	PROJECT No.	<b>OVERTOWN GREENWAY PHASE II</b> NW 11 STREET FROM NW 12 AVE TO NW 7TH AVE	<b>B-173648</b>	<p style="text-align: center;"><b>STORMWATER POLLUTION PREVENTION PLAN NOTES</b></p>	<p>SHEET NO.</p> <p style="text-align: center;"><b>9</b></p>
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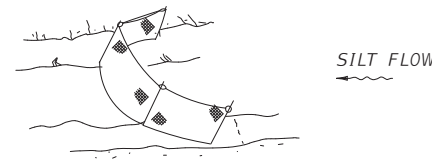
POST (OPTIONS: 2" X 4" OR 2 1/2" MIN. DIA WOOD; STEEL 1.33 LBS/FT. MIN.)



**SILT FENCE DETAILS**  
NTS



TYPE III SILT FENCE PROTECTION AROUND DITCH BOTTOM INLETS.

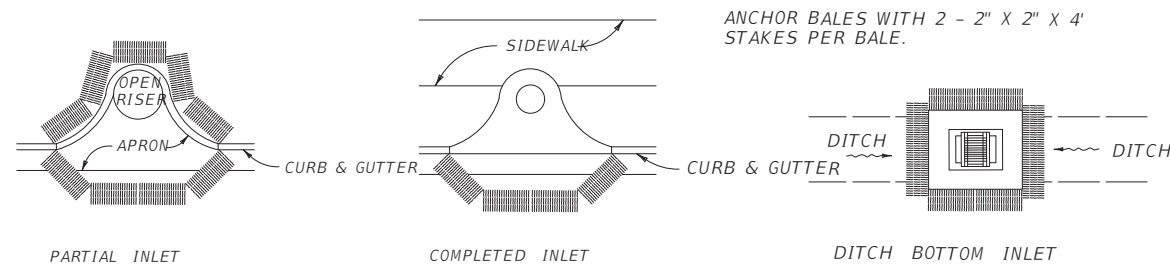


NOTE: SPACING FOR TYPE III FENCE TO BE IN ACCORDANCE WITH CHART 1, SHEET 1 OF 3 AND DITCH INSTALLATIONS AT DRAINAGE STRUCTURES SHEET 2 OF 3 PER INDEX 102

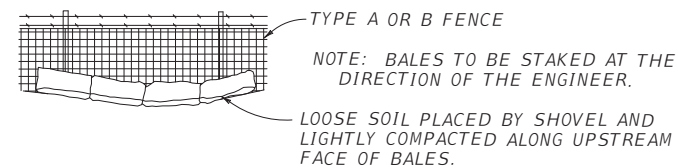
TYPE III SILT FENCE

Do not deploy in a manner that silt fences will act as a dam across permanent flowing watercourses. Silt fences are to be used at upland locations and turbidity barriers used at permanent bodies of water.

**SILT FENCE APPLICATIONS**  
NTS



**PROTECTION AROUND INLETS OR SIMILAR STRUCTURES**  
NTS



**STORM WATER POLLUTION PREVENTION PRACTICES: (FOR PROJECTS OF 1 ACRE OR MORE)**

1. TREE PROTECTION AND PRUNING SHALL BE ACCOMPLISHED AS DETAILED IN SPECIAL PROVISIONS, THE CONSTRUCTION PLANS, AND OR PER TREE ORDINANCE 12636.
  2. THE STORM WATER POLLUTION PREVENTION PLAN, SWPPP, SUBMITTED TO PUBLIC WORKS, SHALL DESCRIBE IN DETAIL HOW THE CONSTRUCTION EFFORT WILL BE PHASED WITH REGARDS TO MINIMIZING EROSION PROBLEMS BY THE USE OF TEMPORARY AND PERMANENT EROSION CONTROL MEASURES, FOR THE VARIOUS SEQUENCES OF CONSTRUCTION OPERATIONS. ANY MODIFICATIONS MUST BE APPROVED BY THE CITY OF MIAMI - NPDES SECTION, DEPARTMENT OF PUBLIC WORKS.
  3. ENVIRONMENTAL CONTROL FEATURES AS PROVIDED IN THE SWPPP, ARE TO BE INSTALLED AT ALL AREAS OF EXCAVATION OR FILL FOR DRAINAGE SYSTEM, OR STRUCTURE CONSTRUCTION PRIOR TO SUCH EXCAVATION OR FILL. INLET ENTRANCES ARE ALSO TO BE PROTECTED FROM SILTATION AS DETAILED ON SHEET 2 OF 4 OF MISC. 35-89-6.
  4. ALL ENVIRONMENTAL CONTROL FEATURES ARE TO BE MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT IN ACCORDANCE WITH N.P.D.E.S. REQUIREMENTS. THE CONTRACTOR MUST INSURE THAT ALL EROSION CONTROL FEATURES FUNCTION PROPERLY AT ALL TIMES.
  5. ALL EROSION AND MATERIAL DEPOSITS MUST BE CONTAINED WITHIN THE PROJECT LIMITS.
  6. ANY DAMAGED OR INEFFECTIVE ROCK BAGS ARE TO BE REPLACED WITH NEW ONES. THE LOCATION OF ROCK BAGS INSTALLATION IS AS MENTIONED IN THE SWPPP PLANS. THE PROJECT ENGINEER MAY SPECIFY OTHER AREAS AS NECESSARY.
  7. DITCH BOTTOM INLETS SHALL BE PROTECTED FROM SEDIMENT INTAKE UNTIL PROJECT IS COMPLETE. ELEVATION OF GROUND OUTSIDE INLET TOP SHALL NOT BE HIGHER THAN INLET TOP. ROCK BAGS SHALL BE INSTALLED AROUND INLET TOP. COMPLETED INLETS IN PAVED AREAS SHALL ALSO BE PROTECTED WITH ROCK BAGS TO PREVENT SEDIMENT INTAKE.
  8. CURB INLETS ALSO SHALL BE PROTECTED FROM SEDIMENT INTAKE UNTIL THE PROJECT IS COMPLETE. ALL EXPOSED SLOPED MATERIAL ADJACENT TO INLET, SHALL BE COVERED WITH EROSION CONTROL MATTING WITH OUTER LIMITS PROTECTED BY ROCK BAGS.
  9. STOCKPILED MATERIAL SHALL NOT BE LEFT IN EROSION PRONE AREAS UNLESS PROTECTED BY COVER OR ROCK BAGS.
  10. INSPECTION OF EROSION CONTROL MEASURES AND CONDITION OF ADJACENT PROPERTIES, SHALL BE PERFORMED DAILY BY THE CONTRACTOR'S REPRESENTATIVE AND THE PROJECT ENGINEER. DEFICIENCIES SHALL BE NOTED AND CORRECTED.
  11. ANY OFFSITE SEDIMENT DISCHARGE TO A MUNICIPAL SEPARATE STORM WATER SYSTEM ARISING FROM THE CONTRACTOR'S ACTIVITIES IS NOT ALLOWED. REFER TO PUBLIC WORKS DEPARTMENT BULLETIN No. 25.
  12. THE USE OF SANITARY SEWERS, FRENCH DRAINS, COVER DITCHES AND/OR ROCK DRAINS FOR THE DISPOSAL OF WASTEWATER IS EXPRESSLY PROHIBITED.
- REFER TO PUBLIC WORKS DEPARTMENT BULLETIN No. 25. \* NPDES - NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM

**STORM WATER POLLUTION PREVENTION PLAN (SWPPP)**

B. EROSION & SEDIMENT CONTROL STABILIZATION PRACTICES:

- \_\_\_ TEMPORARY SODDING
- \_\_\_ TEMPORARY GRASSING
- \_\_\_ PERMANENT PLANTING, SEEDING OR SEED & MULCH
- \_\_\_ TEMPORARY MULCHING
- \_\_\_ ARTIFICIAL COVERING
- \_\_\_ BUFFER ZONES
- \_\_\_ PRESERVATION OF NATURAL RESOURCES
- \_\_\_ OTHER

D. OTHER CONTROLS: OFFSITE VEHICLE TRACKING:

- \_\_\_ HAUL ROADS DAMPENED FOR DUST CONTROL
- \_\_\_ LOADED HAUL TRUCKS TO BE COVERED WITH TARPULIN, OR APPROVED EQUAL.
- \_\_\_ EXCESS DIRT ON ROAD REMOVED DAILY
- \_\_\_ STABILIZED CONSTRUCTION ENTRANCE
- \_\_\_ CONCRETE TRUCK WASH AREA
- \_\_\_ OTHER TREATMENT OF STORM WATER TO MEET WATER QUALITY:
- \_\_\_ DEEP WELLS
- \_\_\_ CULVERTS FOR EMERGENCY OVERFLOW
- \_\_\_ POLLUTION CONTROL STRUCTURES
- \_\_\_ OTHER

E. GENERAL

1. APPROVED STATE, LOCAL PLANS OR STORM WATER PERMITS.
2. ALL OF THE CONTROLS SHALL BE MAINTAINED AT ALL TIMES.
3. ALL CONTROLS SHALL BE INSPECTED DAILY.
4. APPLY FERTILIZERS AND PESTICIDES ACCORDING TO STANDARD SPECIFICATIONS, DESIGN AND SPECIAL PROVISIONS.
5. REPORT NON-STORM WATER DISCHARGE (INCLUDING SPILL) (305) 416-1200.
6. VISIT [www.dep.state.fl.us/water/stormwater/npdes/](http://www.dep.state.fl.us/water/stormwater/npdes/)

C. STRUCTURAL PRACTICES:

- \_\_\_ SAND BAGGING



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DATE	BY	DESCRIPTION			PROJECT NAME	PROJECT No.		
			Francisco J. Alonso, P.E. No. 66918 <b>T·Y·LIN INTERNATIONAL</b>	OVERTOWN GREENWAY PHASE II NW 11 STREET FROM NW 12 AVE TO NW 7TH AVE	B-173648			

**TRAFFIC CONTROL NOTES:**

**GENERAL NOTES:**

1. THE TRAFFIC AND TRAVEL WAYS SHALL NOT BE ALTERED BY THE CONTRACTOR TO CREATE A WORK ZONE UNTIL ALL LABOR AND MATERIAL ARE AVAILABLE FOR THE CONSTRUCTION IN THAT AREA.
2. REGULATORY SPEED ESTABLISHED WITHIN WORK ZONE TRAVEL WAYS SHALL BE THE EXISTING POSTED SPEED (20MPH).
3. AS DETERMINED BY THE CONSTRUCTION PROJECT MANAGER, THE CONTRACTOR SHALL COVER WORK ZONE SIGNS WHEN CONDITIONS NO LONGER WARRANT THEIR USE. COST OF COVERING AND UNCOVERING THE SIGNS SHALL BE INCIDENTAL TO THE PROJECT AT NO ADDITIONAL COST TO THE CONTRACT.
4. CONTRACTOR SHALL REMOVE, RELOCATE OR COVER ANY EXISTING OR PROPOSED SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLANS. WHEN THE CONFLICT NO LONGER EXISTS, THE CONTRACTOR SHALL RESTORE THE SIGNS TO THEIR ORIGINAL POSITION. COST OF TEMPORARILY COVERING OR REMOVING/RELOCATING AND RESTORING THE SIGNS SHALL BE INCIDENTAL TO THE PROJECT AT NO ADDITIONAL COST TO THE CONTRACT.
5. EACH EXISTING STREET NAME AND STOP SIGN AFFECTED BY CONSTRUCTION SHALL BE RELOCATED AND MAINTAINED IN AN APPROPRIATE LOCATION FOR THE DURATION OF THE PROJECT. WHEN NO LONGER AFFECTED BY CONSTRUCTION, THESE SIGNS SHALL BE RESTORED TO THEIR ORIGINAL POSITION. COST OF TEMPORARILY RELOCATING AND RESTORING THE SIGNS SHALL BE INCIDENTAL TO THE PROJECT AT NO ADDITIONAL COST TO THE CONTRACT.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE REMOVAL OF STORMWATER FROM ROADWAYS UTILIZED FOR MAINTAINING TRAFFIC THRU THE WORK ZONE IN A MANNER APPROVED BY THE CONSTRUCTION PROJECT MANAGER. COST FOR REMOVING THE WATER SHALL BE DEEMED INCIDENTAL TO THE PROJECT COST.
7. THE TRAFFIC CONTROL PLAN SHALL COMPLY WITH FDOT INDEX 600 SERIES.
8. ALL WORK SHALL BE PERFORMED DURING DAYTIME ON WEEKDAYS FROM 8:00AM TO 6:00PM (NO INTERRUPTION OF TRAFFIC IS PERMITTED) AND FROM 9:00AM TO 5:00PM ON SATURDAY.
9. CONTRACTOR SHALL NOTIFY LAW ENFORCEMENT AND FIRE PROTECTION SERVICES TWENTY-FOUR (24) HOURS IN ADVANCE OF ANY DETOURS, IN ACCORDANCE WITH SECTION 336.07 OF FLORIDA STATUTES.
10. CONTRACTOR MUST PROVIDE FLASHER ARROW BOARD FOR ANY LANE THAT IS CLOSED OR DIVERTED
11. THE CONSTRUCTION SITE IS LOCATED WITHIN AN ACTIVE COMMERCIAL/ENTERTAINMENT DISTRICT AND ADJACENT TO A PUBLIC SCHOOL. THE CONTRACTOR SHALL STRICTLY COMPLY WITH THE MAINTENANCE OF TRAFFIC AND NOTIFICATION REQUIREMENTS FOR THIS PROJECT.
12. A SEPARATE CITY OF MIAMI PUBLIC WORKS MAINTENANCE OF TRAFFIC PERMIT SHALL BE REQUIRED PRIOR TO CONSTRUCTION.
13. SUITABLE ACCESS TO PRIVATE PROPERTY SHALL BE PROVIDED AT ALL TIMES.
14. CONTRACTOR SHALL CONTACT MIAMI DADE TRANSIT (MDT) AND REQUEST A SPOTTER FOR ANY WORK WITHIN 30' OF ANY MDT FACILITY. THE COST OF THIS SHALL BE INCLUDED IN PAY ITEM 102-1, "MAINTENANCE OF TRAFFIC".

**DROP OFFS:**

1. THE CONTRACTOR SHALL PROTECT THE WORK ZONE WITH DEVICES APPROVED BY THE CITY OF MIAMI PUBLIC WORKS WHEN DROP OFFS EXCEED 3' ADJACENT TO TRAVEL WAYS.

**MARKINGS:**

1. THE CONTRACTOR SHALL REMOVE ANY EXISTING OR TEMPORARY PAVEMENT MARKINGS THAT CONFLICT WITH THE TRAFFIC CONTROL PLANS. GRINDING OR MILLING WITHOUT ASPHALT OVERLAY SHALL ONLY BE PERMITTED IN NON-TRAFFIC AREAS AS DESIGNATED BY THE CONSTRUCTION PROJECT MANAGER. PAVEMENT MARKINGS SHALL BE REPLACED AT THE TIME TRAFFIC CONTROL PLANS ARE NO LONGER AFFECTED BY THEIR PLACEMENT. COST OF REMOVAL AND REPLACEMENT OF PAVEMENT MARKINGS SHALL BE INCIDENTAL TO THE PROJECT AT NO ADDITIONAL COST TO THE CONTRACT. USE OF BLACK PAINT TO COVER EXISTING AND/OR TEMPORARY PAVEMENT MARKINGS IS PROHIBITED.
2. TEMPORARY PAVEMENT MARKING SHALL BE PAINT.

**WORK ZONE LIMITS:**

1. THE LENGTH OF AN OPEN TRENCH, ALONG NW 11 TERRACE FROM NW 3 AVENUE TO NW 2 AVENUE, SHALL NOT EXCEED 500 FEET. PROPERTY ACCESS SHALL BE MAINTAINED AT ALL TIMES.

**PEDESTRIANS, BICYCLES, AND WHEELCHAIRS:**

1. AT THE END OF EACH WORK DAY OR WHENEVER THE WORK ZONE BECOMES INACTIVE, ANY DROP OFF ADJACENT TO THE PEDESTRIAN, BICYCLE, AND WHEELCHAIR TRAVEL PATHS SHALL BE BACKFILLED FLUSH WITH THE SAID PATHS OR PROTECTED WITH BARRICADES, TEMPORARY CONCRETE BARRIER WALL, OR APPROVED HANDRAIL. COST OF BACKFILLING DROP OFF SHALL BE INCIDENTAL TO THE PROJECT AT NO ADDITIONAL COST TO THE CONTRACT.
2. PEDESTRIAN, BICYCLE, AND WHEELCHAIR TRAFFIC SHALL BE MAINTAINED AND GUIDED USING APPROVED WARNING LIGHTS, SIGNING, AND CHANNELIZATION DEVICES ON AT LEAST ONE SIDE OF THE PROJECT AT ALL TIMES THROUGHOUT THE PROJECT LIMITS. THE TRAVEL PATH SHALL BE A MINIMUM OF 4 FEET WIDE WITH A SMOOTH SURFACE THAT IS NOT SLICK AND IT SHOULD BE RAMPED AS NECESSARY FOR CONTINUITY. COST TO CONSTRUCT AND MAINTAIN THE TRAVEL PATH AS REQUIRED SHALL BE INCIDENTAL TO THE PROJECT AT NO ADDITIONAL COST TO THE CONTRACT.


**TRAFFIC CONTROL PHASES:**

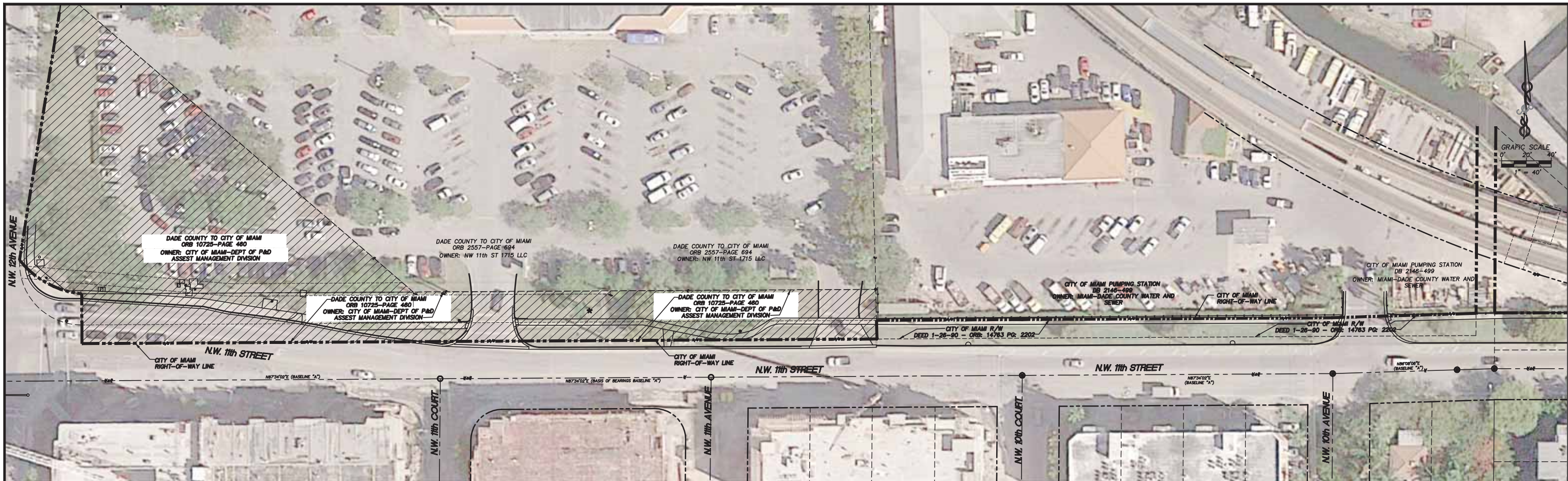
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**PROJECT INFORMATION SIGN**

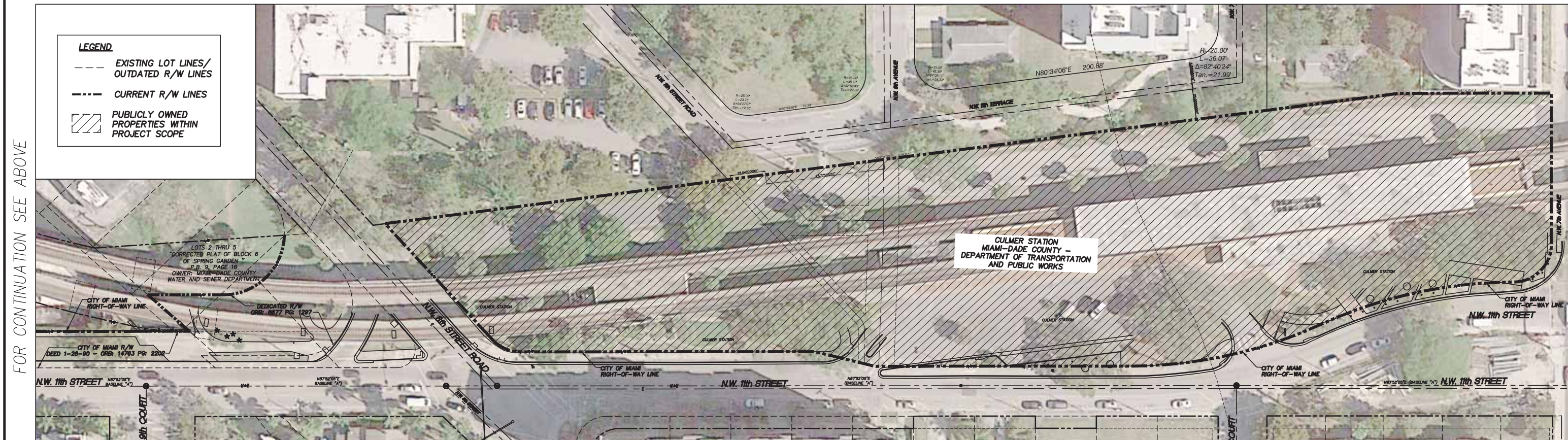
1. A PROJECT INFORMATION SIGN IS TO BE INSTALLED PRIOR TO CONSTRUCTION ALONG NW 11TH STREET.




<p style="text-align: center;"><i>REVISIONS</i></p> <table border="1"> <thead> <tr> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>			DATE	BY	DESCRIPTION				<p>EOR</p> <p style="text-align: center;">Francisco J. Alonso, P.E. No. 66918</p> <p><b>T·Y·LIN INTERNATIONAL</b></p>	 <p><b>CITY OF MIAMI</b> CAPITAL IMPROVEMENTS PROGRAM</p> <p>444 S.W. 2ND AVENUE, 8TH FLOOR MIAMI, FLORIDA 33130 (305) 416-1213 FAX (305) 416-1253</p>	<p style="text-align: center;"><b>CITY OF MIAMI</b> CAPITAL IMPROVEMENTS PROGRAM</p> <table border="1"> <tr> <td>PROJECT NAME</td> <td>PROJECT No.</td> </tr> <tr> <td><b>OVERTOWN GREENWAY PHASE II</b> NW 11 STREET FROM NW 12 AVE TO NW 7TH AVE</td> <td><b>B-173648</b></td> </tr> </table>	PROJECT NAME	PROJECT No.	<b>OVERTOWN GREENWAY PHASE II</b> NW 11 STREET FROM NW 12 AVE TO NW 7TH AVE	<b>B-173648</b>	<p style="text-align: center;"><b>TRAFFIC CONTROL NOTES</b></p>	<p>SHEET NO.</p> <p style="text-align: center;"><b>11</b></p>
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PROJECT NAME	PROJECT No.																
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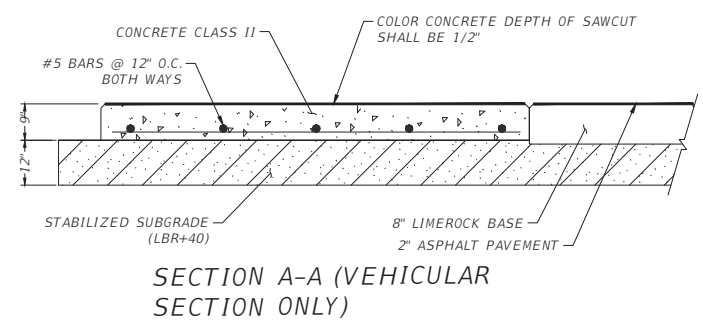
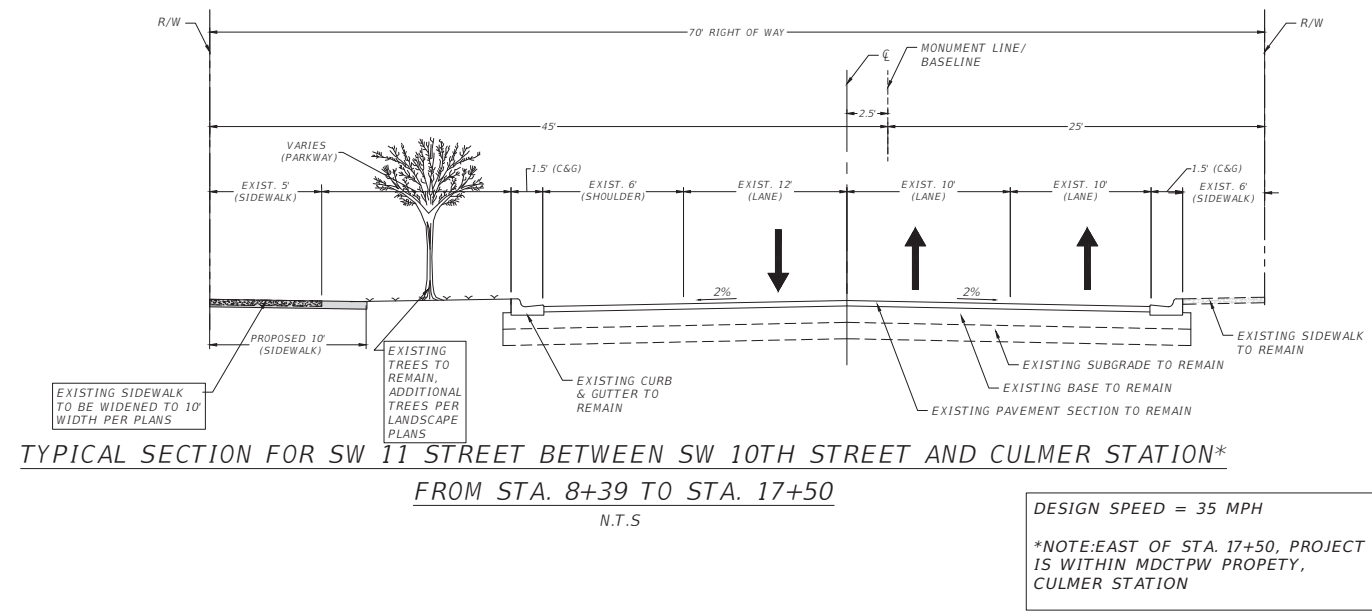
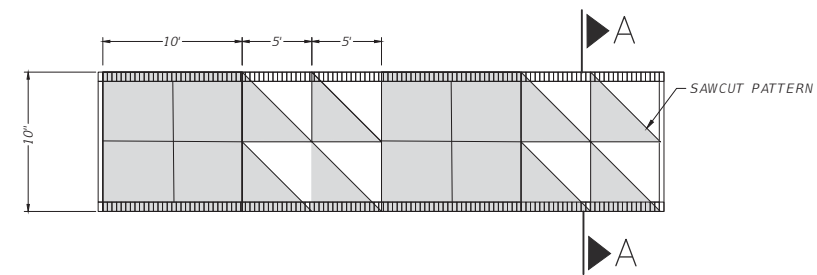
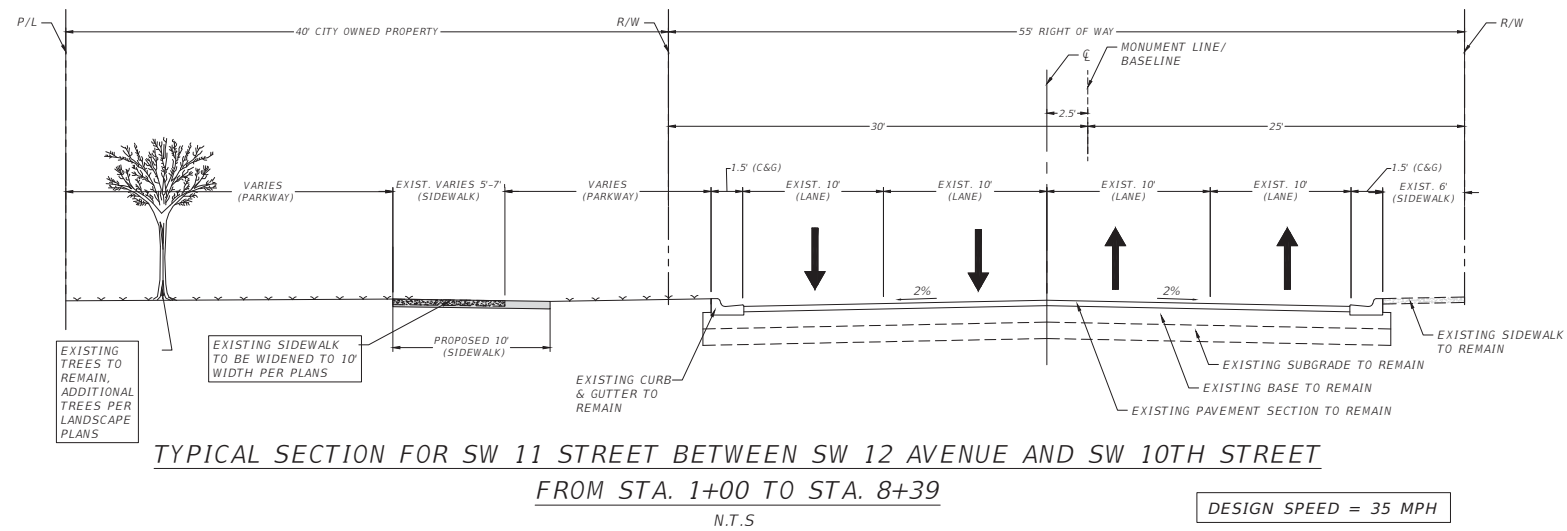


FOR CONTINUATION SEE BELOW



FOR CONTINUATION SEE ABOVE

<table border="1"> <thead> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>		REVISIONS		DATE	DESCRIPTION			<p>EOR</p> <p>Francisco J. Alonso, P.E. No. 66918</p> <p><b>T·Y·LIN INTERNATIONAL</b></p>	 <p><b>CITY OF MIAMI</b> CAPITAL IMPROVEMENTS PROGRAM</p> <p>444 S.W. 2ND AVENUE, 8TH FLOOR MIAMI, FLORIDA 33130 (305) 416-1213 FAX (305) 416-1253</p>	<p><b>CITY OF MIAMI</b> CAPITAL IMPROVEMENTS PROGRAM</p> <table border="1"> <tr> <td>PROJECT NAME</td> <td>PROJECT No.</td> </tr> <tr> <td>OVERTOWN GREENWAY PHASE II NW 11 STREET FROM NW 12 AVE TO NW 7TH AVE</td> <td>B-173648</td> </tr> </table>	PROJECT NAME	PROJECT No.	OVERTOWN GREENWAY PHASE II NW 11 STREET FROM NW 12 AVE TO NW 7TH AVE	B-173648	<p>RIGHT-OF-WAY AND PROPERTY OWNERSHIP EXHIBIT</p> <p>SHEET NO. <b>12</b></p>
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OVERTOWN GREENWAY PHASE II NW 11 STREET FROM NW 12 AVE TO NW 7TH AVE	B-173648														



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DATE	BY	DESCRIPTION

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 T·Y·LIN INTERNATIONAL

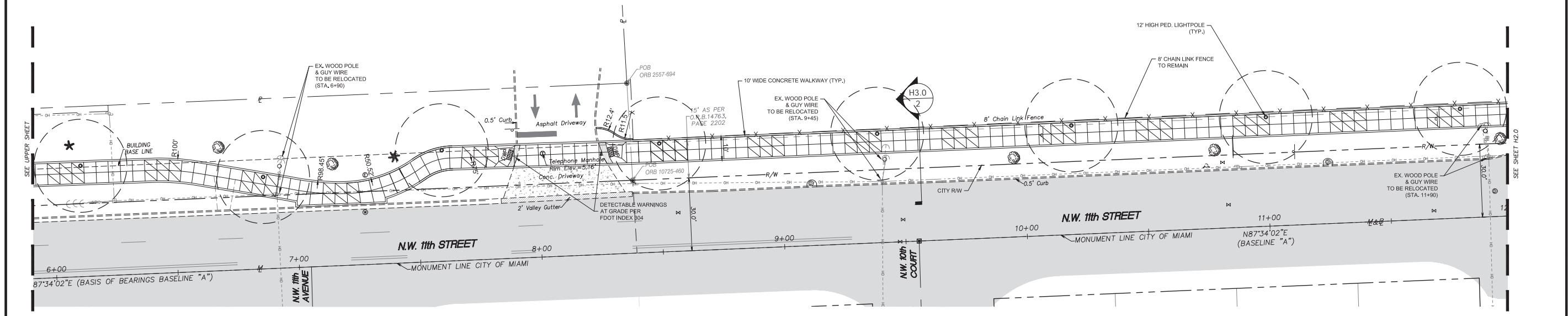
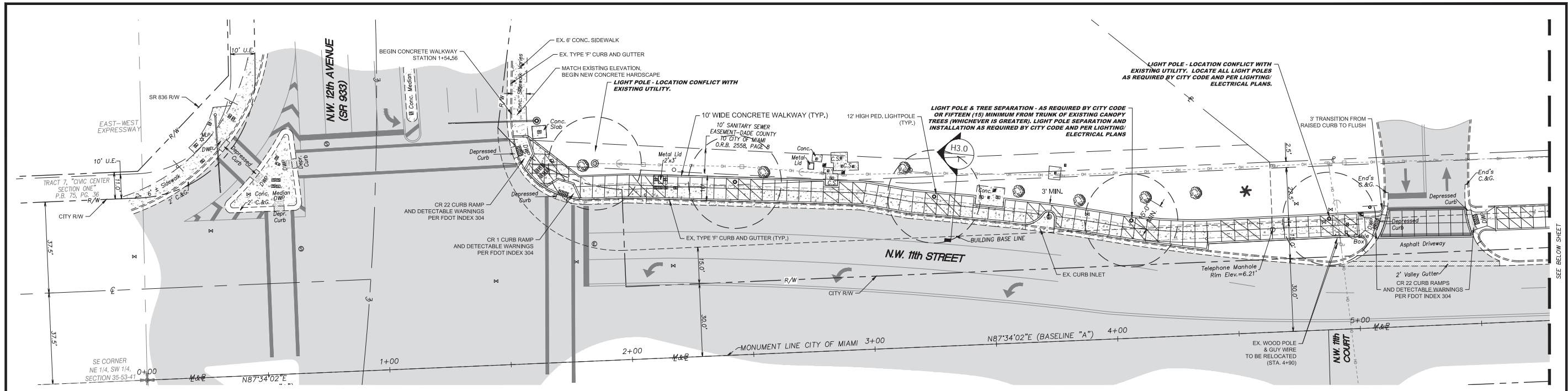


**CITY OF MIAMI**  
 CAPITAL IMPROVEMENTS PROGRAM

PROJECT NAME	PROJECT No.
OVERTOWN GREENWAY PHASE II NW 11 STREET FROM NW 12 AVE TO NW 7TH AVE	B-173648

**TYPICAL SECTIONS & DETAILS**

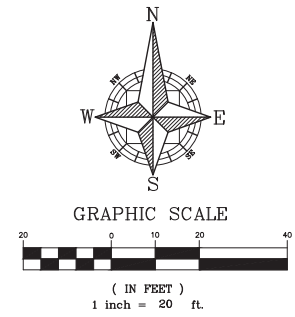
SHEET NO.  
 13



**LEGEND**

	PROPOSED CHARCOAL/SORENTO RED SIDEWALK (SEE DETAIL - SHEET H3.0)
	PROPOSED STANDARD GREY SIDEWALK

- NOTES:**
- GUARD POSTS TO BE REMOVED OR RELOCATED AS DIRECTED BY ENGINEER.
  - NO STAGING OR ANY ACTIVITIES FOR THIS PROJECT ALLOWED, OTHER THAN WHAT IS SHOWN ON PLANS, WITHIN OR ADJACENT TO THE WAGNER CREEK CANAL.



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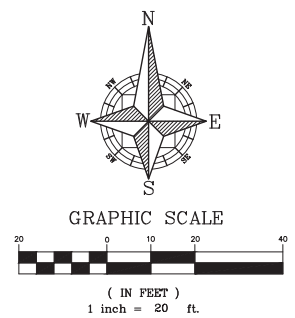
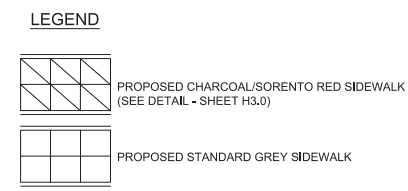
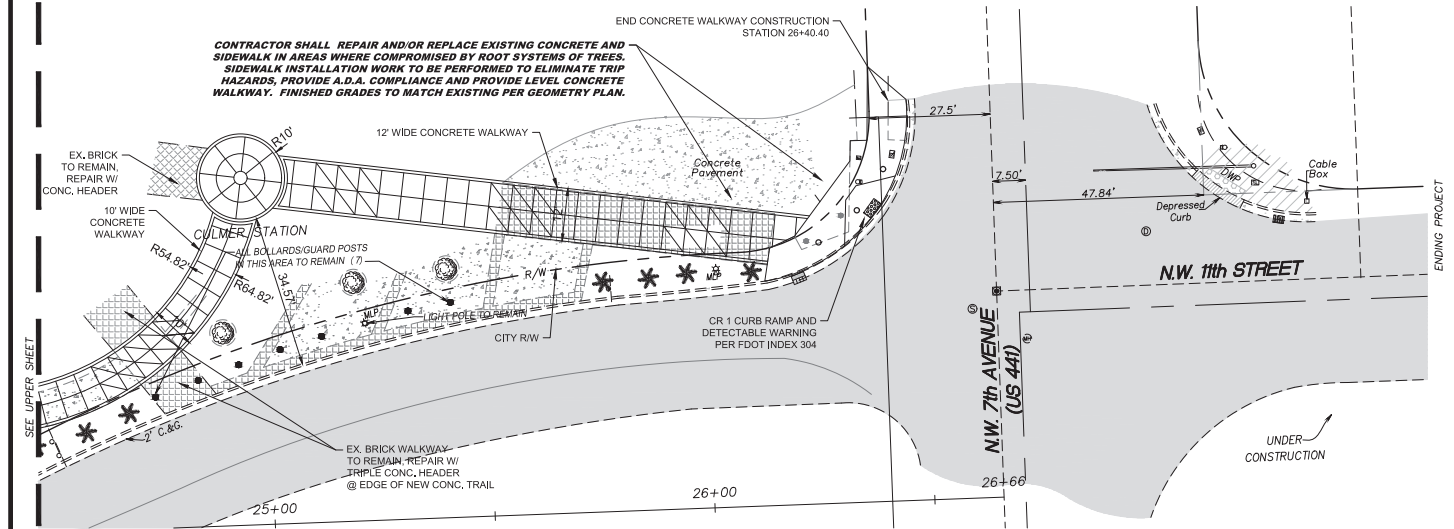
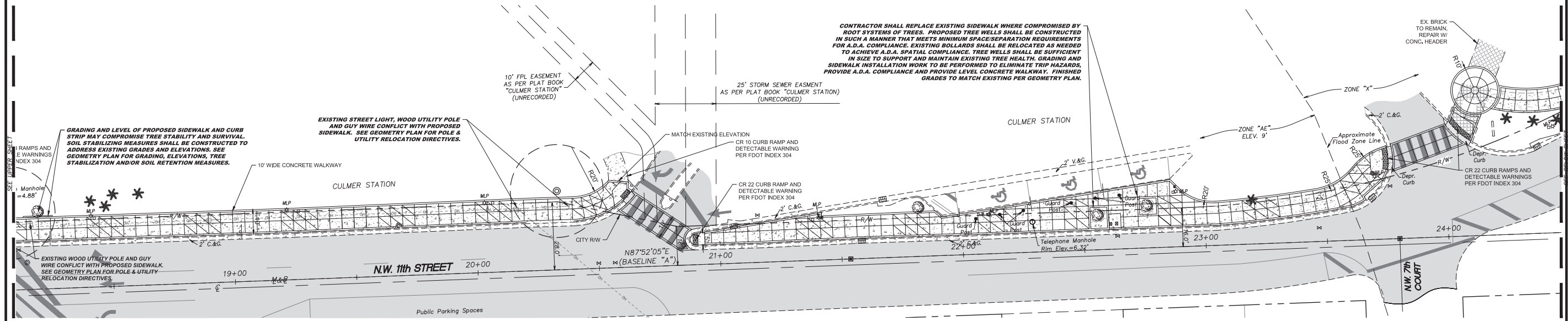
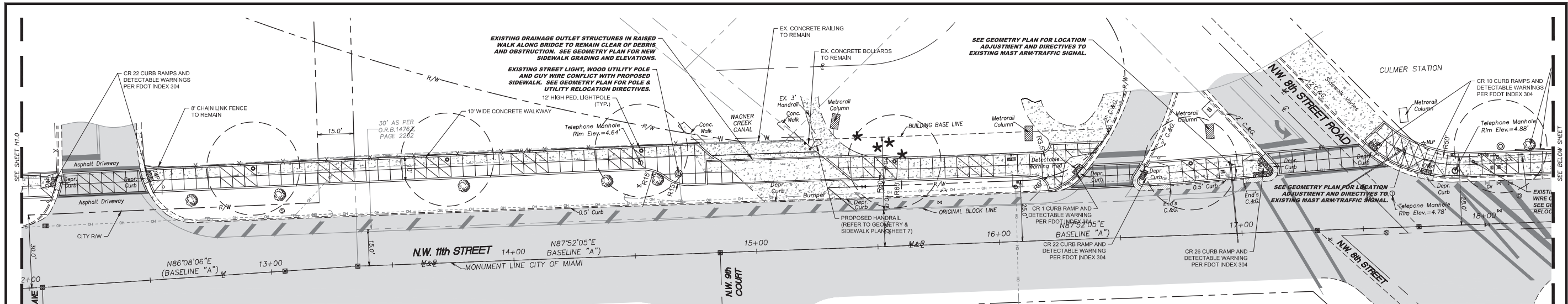
**IBI**  
PLANS PREPARED BY IBI GROUP, INC.

**CITY OF MIAMI**  
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(305) 416-1213 FAX (305) 416-1253

CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM	
PROJECT NAME	PROJECT No.
OVERTOWN GREENWAY PHASE II NW 11 STREET FROM NW 12 AVE TO NW 7TH AVE	B-173648

HARDSCAPE PLAN	
DATE	SHEET NO.
10/12/18	H1.0

CONSTRUCTION 100% PLANS



- NOTES:**
- GUARD POSTS TO BE REMOVED OR RELOCATED AS DIRECTED BY ENGINEER.
  - NO STAGING OR ANY ACTIVITIES FOR THIS PROJECT ALLOWED, OTHER THAN WHAT IS SHOWN ON PLANS, WITHIN OR ADJACENT TO THE WAGNER CREEK CANAL.

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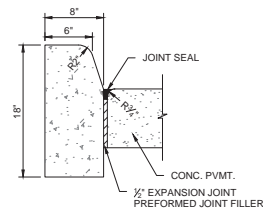
**CITY OF MIAMI**  
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**HARDSCAPE PLAN**

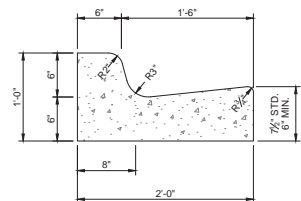
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CONSTRUCTION 100% PLANS



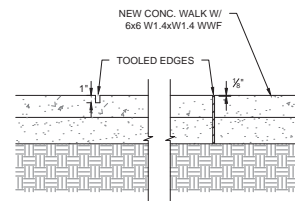
- NOTES:
- FOR USE ADJACENT TO CONCRETE OR FLEXIBLE PAVEMENT. EXPANSION JOINT, PREFORMED JOINT FILLER AND JOINT SEAL ARE REQUIRED BETWEEN CURBS AND CONCRETE PAVEMENT ONLY.
  - CONTRACTION JOINTS - CONTRACTION JOINTS SHALL BE PLACED AT EQUAL SPACES (10' MAX.) BETWEEN NORMAL EXPANSION JOINTS. CONTRACTION JOINTS SHALL BE SAW CUT IN THE UPPER 1/2 OF CURB AND GUTTER WITHIN 24 HOURS OF PLACEMENT.
  - ENDS IF VERTICAL CURB SHALL TRANSITION FROM FULL TO ZERO HEIGHTS IN 3 FEET.
  - ALL CONCRETE SHALL BE A MINIMUM 3,500 PSI AT 28 DAYS.

TYPE 'D' CURB DETAIL  
N.T.S.



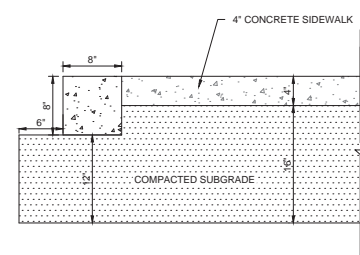
- NOTE:
- WHEN USED ON HIGH SIDE OF ROADWAYS, THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT AND THE THICKNESS OF THE LIP SHALL BE 6", UNLESS OTHERWISE SHOWN ON PLANS.

TYPE 'F' CURB & GUTTER DETAIL  
N.T.S.

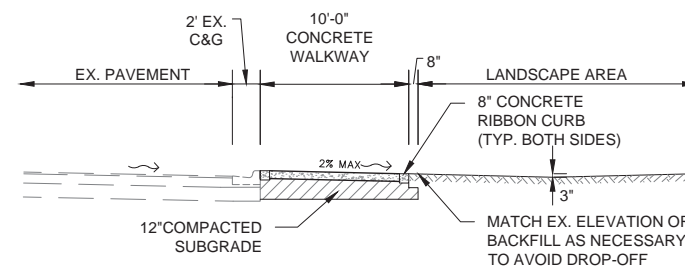


- NOTES:
- EXPANSION JOINTS SHALL BE LOCATED AT ALL CONCRETE WALK INTERSECTIONS, AT ALL DOOR OPENINGS AND AT 12' O.C. MAXIMUM.
  - EXPANSION JOINT (1/2" PREMOLDED ASPHALT STRIP) SHALL BE SET 1/2" BELOW TOP OF WALK. SCORE MARK (1" DEPTH) SHALL BE 4" (MAX.) O.C.
  - ALL CONCRETE SHALL BE A MINIMUM 3,500 PSI AT 28 DAYS.
  - REFER TO GEOMETRY PLAN FOR THICKNESS OF CONCRETE.

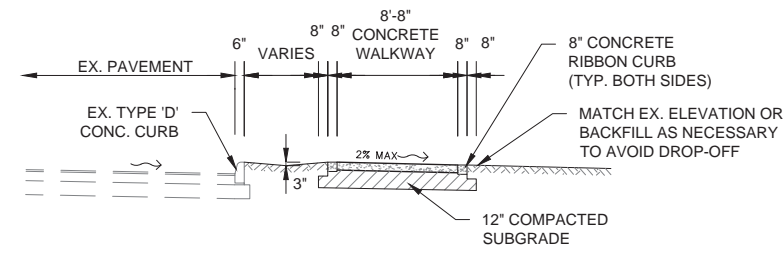
CONCRETE SIDEWALK DETAIL  
N.T.S.



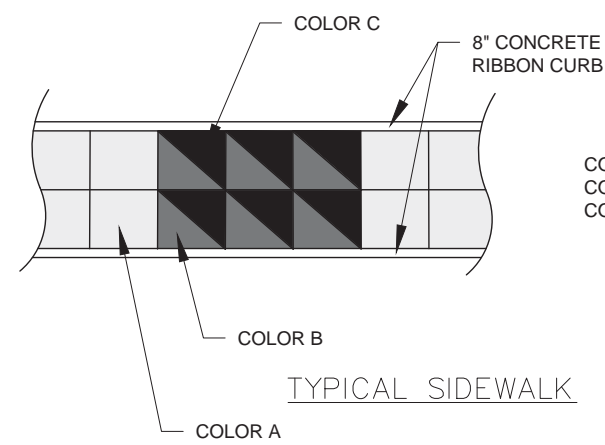
RIBBON CURB DETAIL  
N.T.S.



1 TYPICAL SECTION



2 TYPICAL SECTION



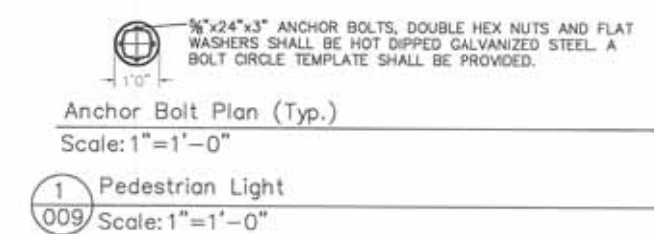
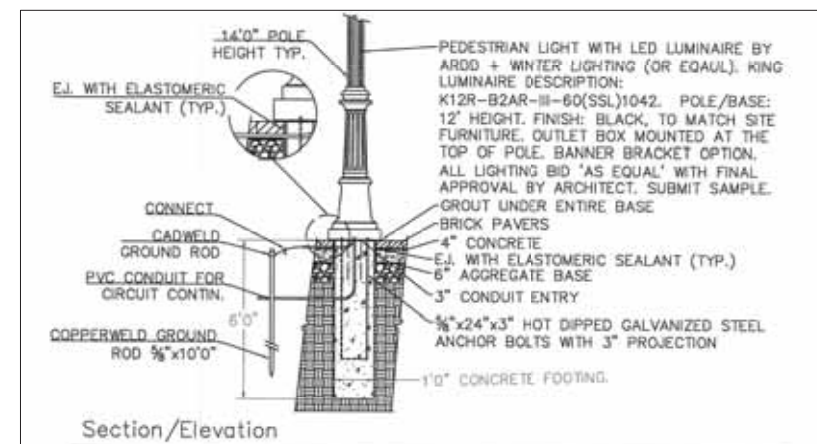
- COLOR A: STANDARD GREY CONCRETE  
 COLOR B: CHARCOAL (SCOFIELD C-24 OR EQUAL)  
 COLOR C: SORENTO RED (SCOFIELD 5059 OR EQUAL)

GENERAL NOTES

1. REFER TO FULL FOOT INDEX 304 FOR INDIVIDUAL CURB RAMP TYPES.

CURB RAMP NOMENCLATURE

NOTE:  
REFER TO FULL FOOT INDEX 304 FOR INDIVIDUAL CURB RAMP TYPES.



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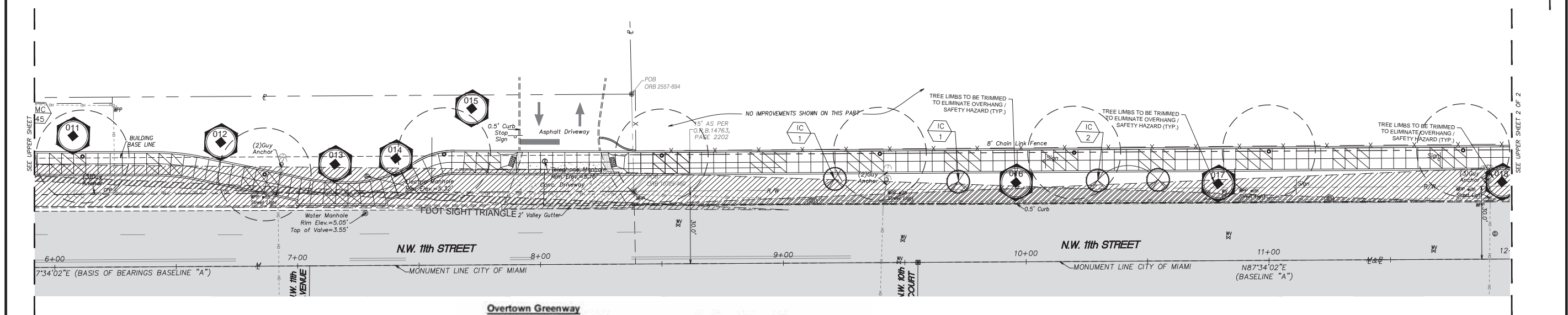
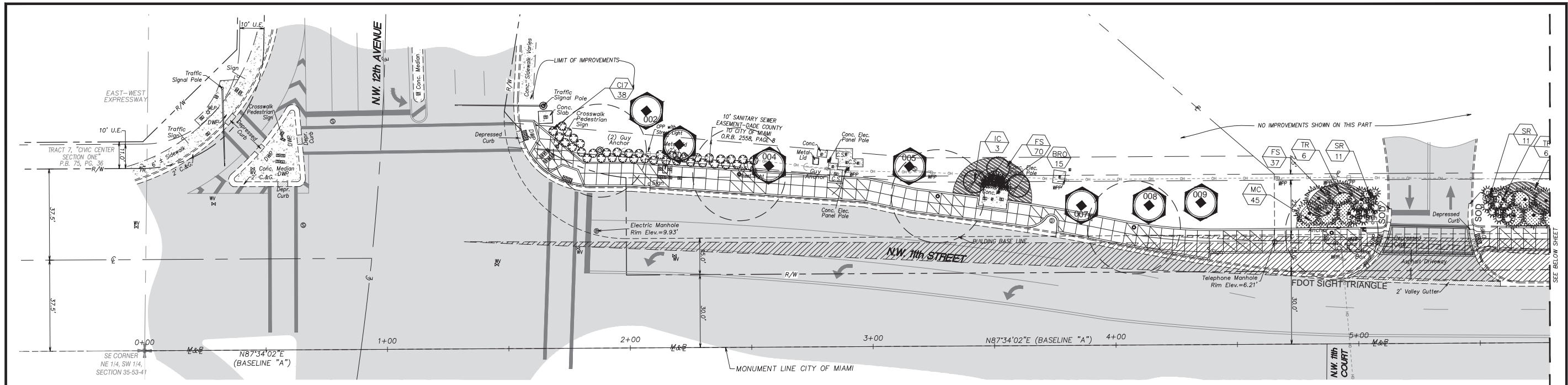
PROJECT NAME	PROJECT No.
OVERTOWN GREENWAY PHASE II NW 11 STREET FROM NW 12 AVE TO NW 7TH AVE	B-173648

HARDSCAPE DETAILS

SHEET NO.  
H3.0

CONSTRUCTION 100% PLANS





**Overtown Greenway  
PLANT MATERIALS LIST** Hardiness Zone 10b

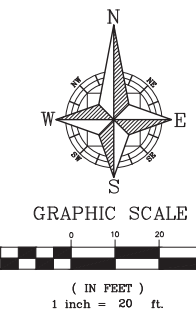
Native plants and ecological communities as determined by the FDOT/USFWS/FLMNH Florida Land Use Cover Classification System.  
 Wetlands principles as determined by the South Florida Water Management District "Wetlands" Jurisdiction Plant Guide.  
 Compliance for planting adjacent to overhead electrical wires as determined by Florida Power & Light Administrative Services.

Qty	Scientific Name	Common Name	Native	Tree	Height	Spread	Description	Spacing	Qty	Notes
<b>SMALL / MEDIUM TREES</b>										
1	Orange Geiger	Orange Geiger	Yes	High	12' high, 5' spread	2' dia.	2' CT, fast green	per plant	1	
4	Cocoplum, 30"	Cocoplum, 30"	Yes	High	12' high, 5' spread	2' dia.	fast green	per plant	4	
<b>SHRUBS</b>										
1	Muhly Grass	Muhly Grass	Yes	High	12' high, 5' spread	2' dia.	fast green	per plant	1	
1	Parson's Juniper	Parson's Juniper	Yes	High	12' high, 5' spread	2' dia.	fast green	per plant	1	
1	Florida Gamma Grass	Florida Gamma Grass	Yes	High	12' high, 5' spread	2' dia.	fast green	per plant	1	
1	000 TREE TO REMAIN	000 TREE TO REMAIN	Yes	High	12' high, 5' spread	2' dia.	fast green	per plant	1	
<b>GROUNDCOVERS</b>										
1	Muhly Grass	Muhly Grass	Yes	High	12' high, 5' spread	2' dia.	fast green	per plant	1	
1	Parson's Juniper	Parson's Juniper	Yes	High	12' high, 5' spread	2' dia.	fast green	per plant	1	
<b>TOTAL</b>										
									1,231	
									Total Native Plants: 896	
									Native % of Total: 72.7%	
									Total Drought Tolerant Plants: 1,231	
									Drought Tol. % of Total: 100.0%	

NOTE: ALL AREAS INDICATED FOR SOD SHALL BE INSTALLED WITH ST. AUGUSTINE "PLANTAM" SOD UNLESS ALTERNATE NOTED.  
 NOTE: ALL PLANTS SHALL BE INSTALLED AT SIZE INDICATED UNDER THE SPECIFICATIONS. IF LISTED, CONTAINER SIZE LISTED IS FOR REFERENCE OR ESTIMATING ONLY.

- LEGEND:**
- Orange Geiger
  - Cocoplum, 30"
  - Muhly Grass
  - Dahoon Holly
  - Saw Palmetto
  - Parson's Juniper
  - Sabal Palm
  - Cocoplum 24"
  - Florida Gamma Grass
  - Florida Privet
  - 000 TREE TO REMAIN
  - Florida Thatch Palm

NOTE: ALL LOW-HANGING OR PROTRUDING TREE LIMBS OVER SIDEWALK SHALL BE TRIMMED ABOVE 8' FROM GRADE TO ELIMINATE PUBLIC SAFETY HAZARD - CONFLICT WITH PEDESTRIANS  
 NOTE: GUARD POSTS TO BE REMOVED AND/OR RELOCATED AS DIRECTED BY ENGINEER.



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REVISIONS		
DATE	BY	DESCRIPTION

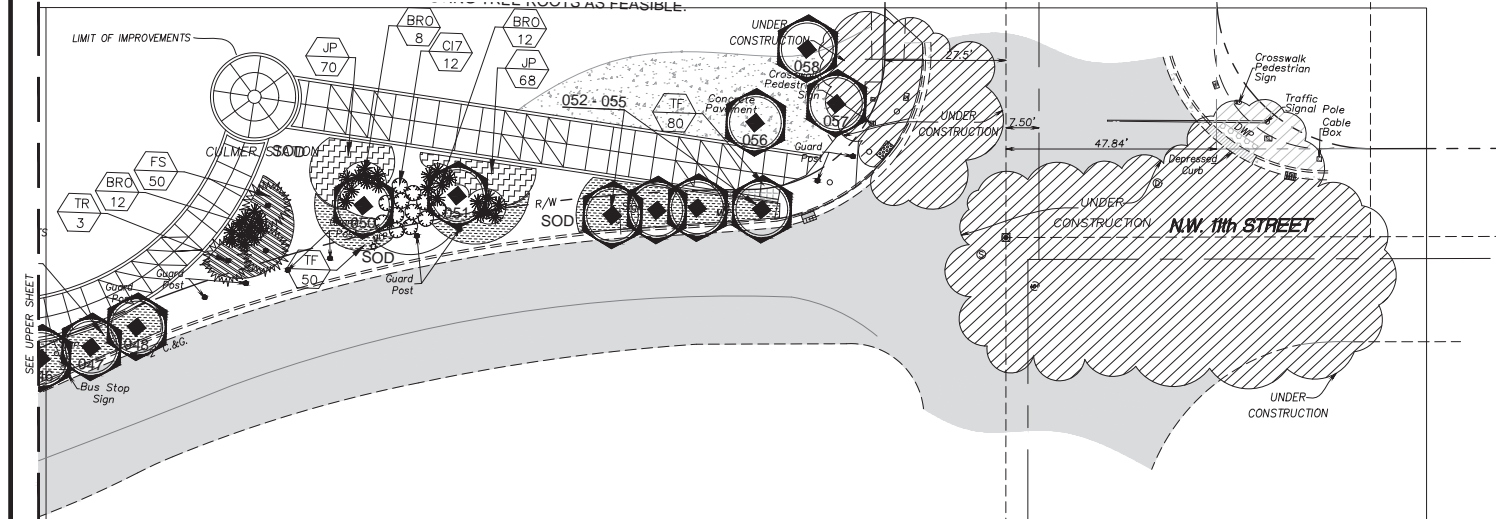
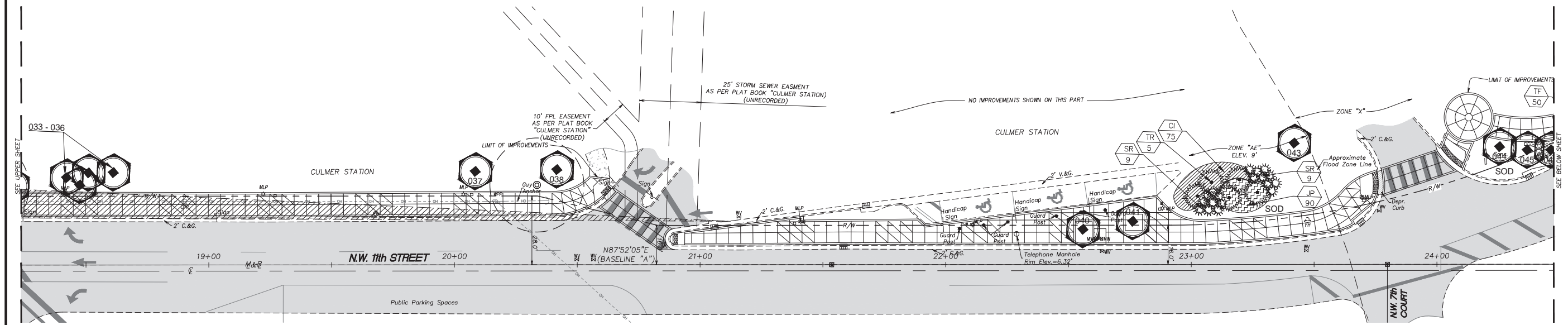
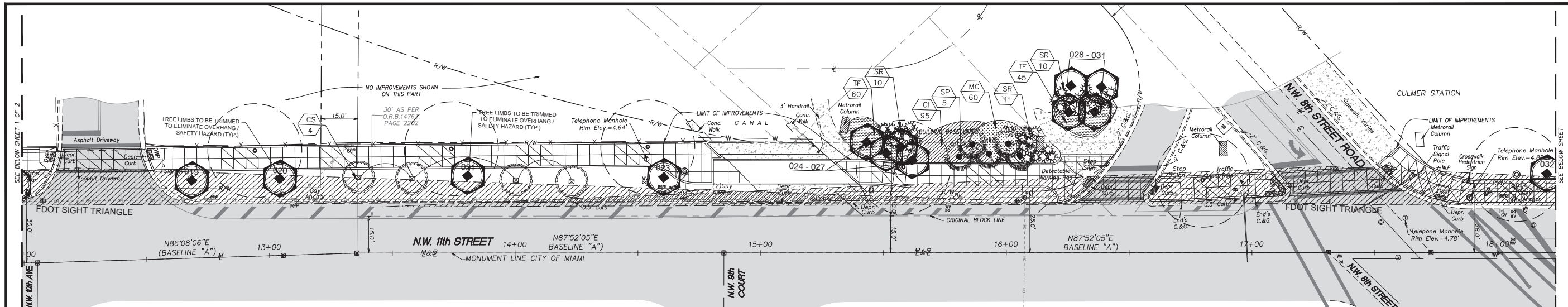
**IBI**  
 PLANS PREPARED BY IBI GROUP, INC.

**CITY OF MIAMI**  
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 444 S.W. 2ND AVENUE, 8TH FLOOR  
 MIAMI, FLORIDA 33130  
 (305) 416-1213 FAX (305) 416-1253

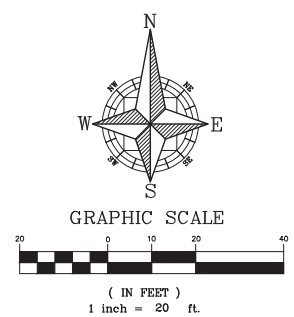
**CITY OF MIAMI**  
 CAPITAL IMPROVEMENTS PROGRAM  
 PROJECT NAME: OVERTOWN GREENWAY PHASE II  
 PROJECT No.: B-173648

LANDSCAPE PLAN  
 SHEET NO. L1.0

CONSTRUCTION 100% PLANS



- LEGEND:**
- Orange Geiger
  - Dahoon Holly
  - Sabal Palm
  - Florida Thatch Palm
  - Cocoplum, 30"
  - Bromeliad
  - Saw Palmetto
  - Cocoplum 24"
  - Florida Privet
  - Muhly Grass
  - Parson's Juniper
  - Florida Gamma Grass
  - 000 TREE TO REMAIN



NOTE: ALL LOW-HANGING OR PROTRUDING TREE LIMBS OVER SIDEWALK SHALL BE TRIMMED ABOVE 8' FROM GRADE TO ELIMINATE PUBLIC SAFETY HAZARD - CONFLICT WITH PEDESTRIANS

NOTE: GUARD POSTS TO BE REMOVED AND/OR RELOCATED AS DIRECTED BY ENGINEER.

REVISIONS		
DATE	BY	DESCRIPTION

PLANS PREPARED BY IBI GROUP, INC.

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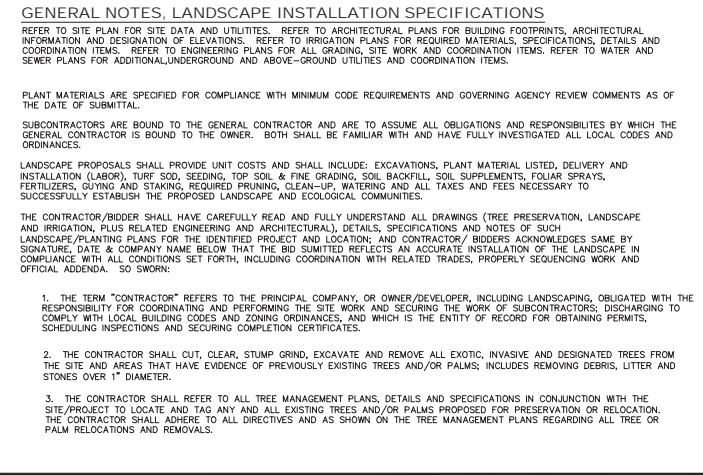
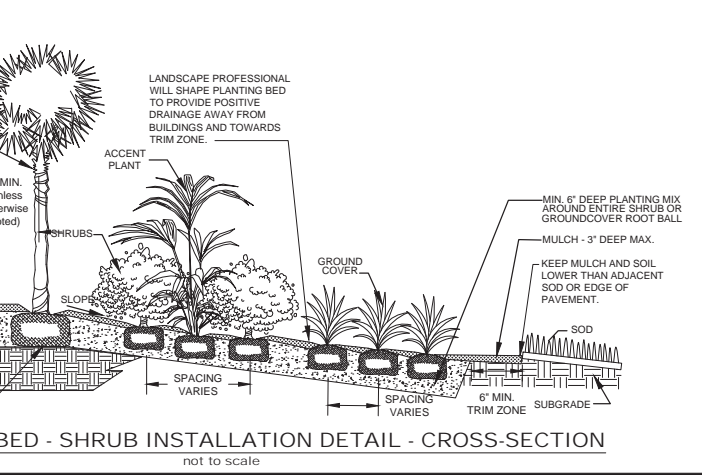
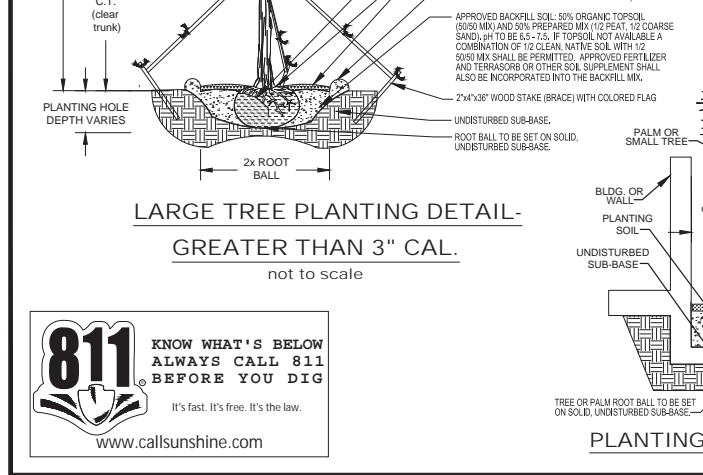
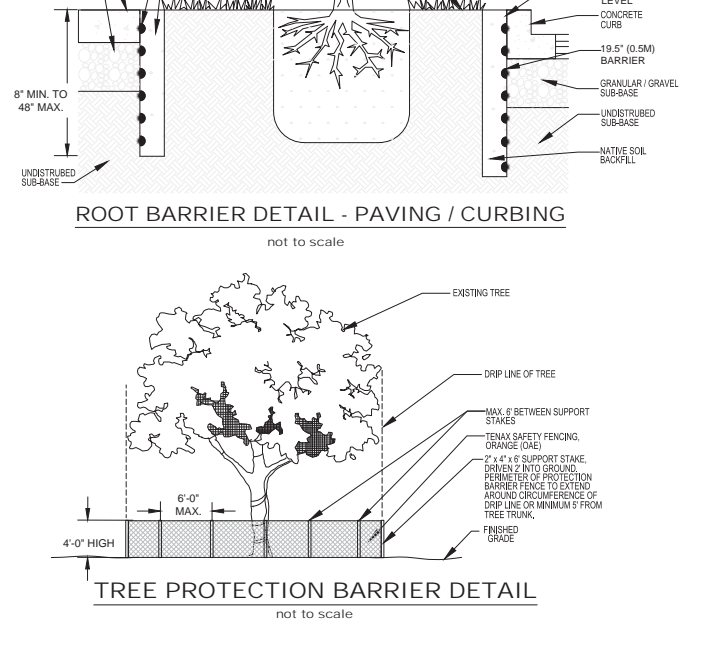
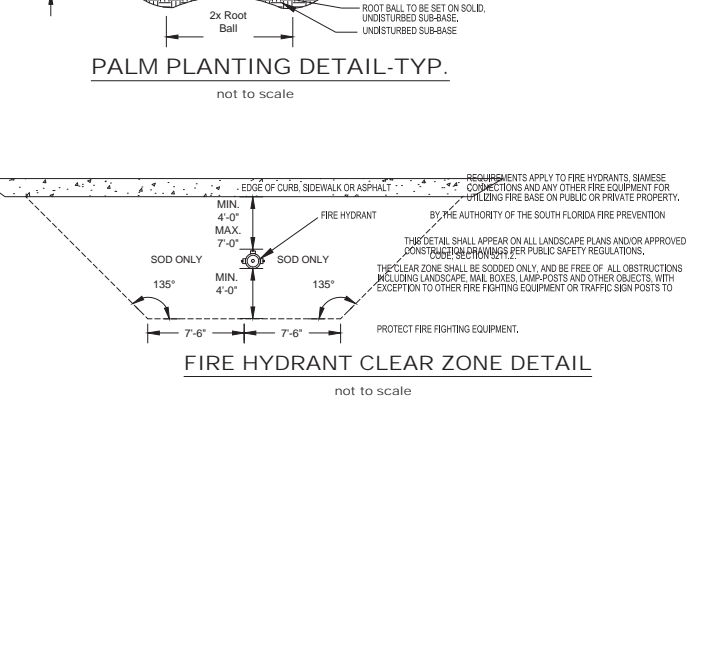
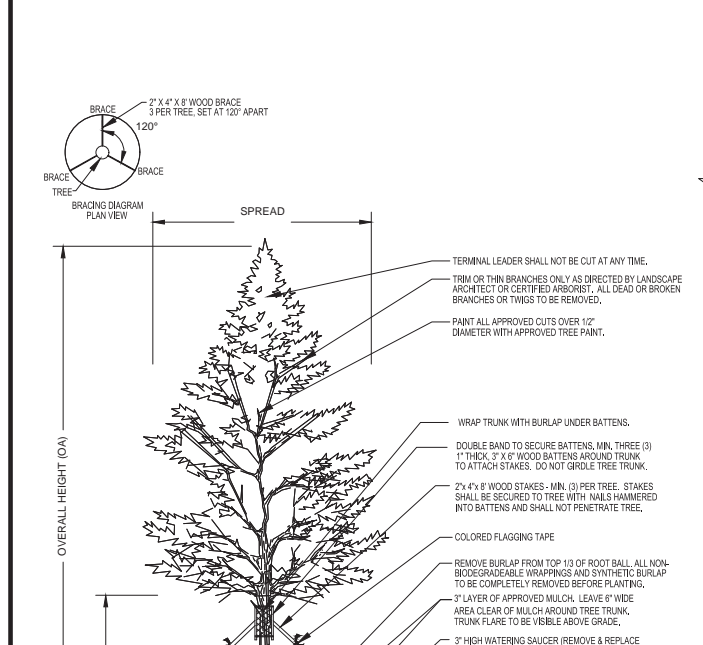
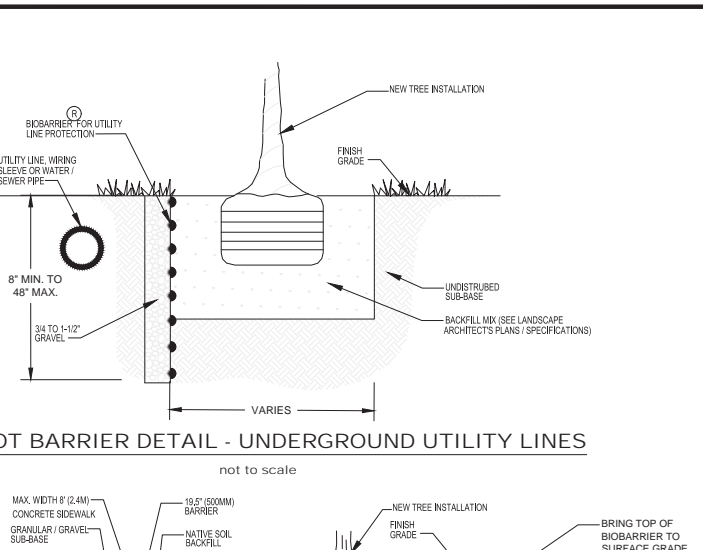
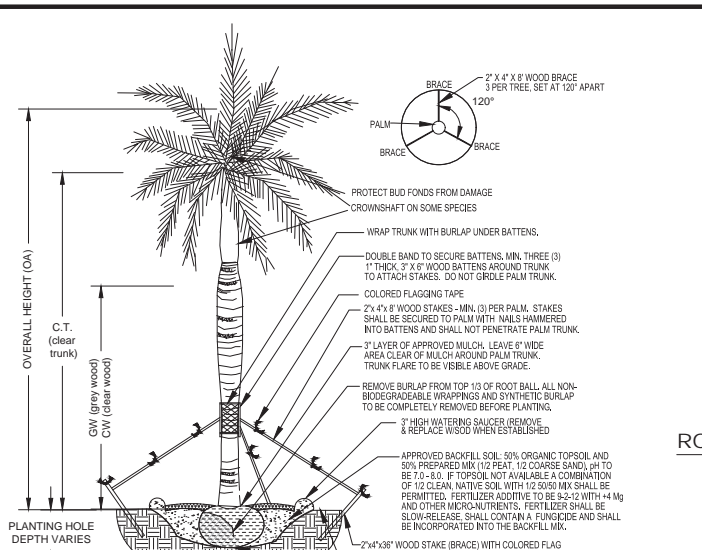
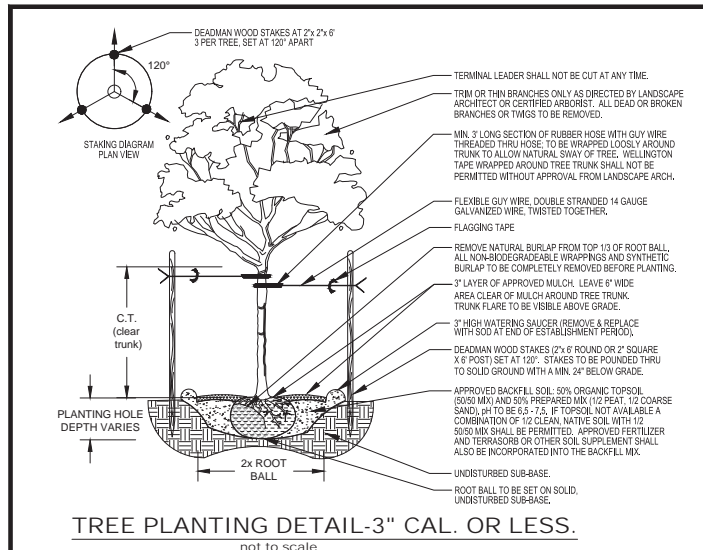
**CITY OF MIAMI**  
CAPITAL IMPROVEMENTS PROGRAM

PROJECT NAME	PROJECT No.
OVERTOWN GREENWAY PHASE II NW 11 STREET FROM NW 12 AVE TO NW 7TH AVE	B-173648

LANDSCAPE PLAN

SHEET NO.	L2.0
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CONSTRUCTION 100% PLANS



**GENERAL NOTES, LANDSCAPE INSTALLATION SPECIFICATIONS (cont.)**

4. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO UNDERGROUND UTILITIES WHICH ARE PROPERLY MARKED OR FOR WHICH HE HAS NOT OBTAINED PROPER MARKINGS THROUGH THE ONE CALL SYSTEM - 72 HOURS BEFORE DIGGING - CALL TOLL FREE 1-800-432-4720 OR FROM LOCAL UTILITY DEPARTMENTS. ALL ELECTRICAL, GAS, TELEPHONE, FIBER OPTIC, CABLE WATER AND SEWER SERVICES LOCATED ON-SITE, ON ADJACENT PROPERTIES WITHIN 10' AND WITHIN ADJACENT R.O.W.'S SHALL BE CLEARLY MARKED.

5. THE CONTRACTOR SHALL PROVIDE ALL PROPOSED PLANTS AT FLA #1 GRADE OR BETTER AS DESCRIBED IN GRADES AND STANDARDS FOR NURSERY PLANTS, LATEST EDITION AS PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES AND WILL PROVIDE CERTIFICATION FOR ANY AND ALL PLANTS IN DISPUTE. ALL PLANT MATERIAL PROVIDED SHALL MEET OR EXCEED THE MINIMUM SPECIFIED SIZE (HEIGHT, SPREAD, CALIPER, CLEAR TRUNK, ETC.) AS SHOWN ON THE LANDSCAPE PLANS. THE CONTRACTOR SHALL INSTALL PLANTS ACCORDING TO LANDSCAPE PLANS FOR SPACING AND PLACEMENT, AND PER THE LANDSCAPE DETAILS WITHOUT EXCEPTION. SHOULD ANY PLANT BE UNAVAILABLE THE CONTRACTOR WILL CONTACT THE LANDSCAPE ARCHITECT FOR RECOMMENDATIONS AND/OR APPROVAL OF ANY AND ALL SPECIES SUBSTITUTIONS.

6. THE CONTRACTOR SHALL PROVIDE PROPER TRANSPORT AND DELIVERY OF PLANT MATERIAL TO THE JOB SITE. PLANT MATERIAL SHALL NOT BE DROPPED, SCARRED OR OTHERWISE DAMAGED AT ANY TIME. DAMAGED PLANT MATERIALS SHALL BE REJECTED BY THE OWNER OR OWNER'S REPRESENTATIVE, REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. ANY PLANTS OTHER THAN FLA #1 GRADE OR WITH INDICATIONS OF DISEASE, INSECT INFESTATION, BROKEN BRANCHES, LACK OF WATER, GRUBBING OR SCARRING AT DELIVERY SHALL BE REJECTED.

7. THE CONTRACTOR SHALL PROVIDE CERTIFIED ST. AUGUSTINE 'FLORTAM' SOIL, UNLESS OTHERWISE INDICATED, TO ALL OPEN OR DISTURBED AREAS INSIDE THE PROJECT BOUNDARIES, NOT RECEIVING PLANT MATERIAL OR OTHER FORM OF GROUND COVER, LIVING OR NON-LIVING. THE CONTRACTOR WILL PROVIDE SOIL TO ALL DAMAGED TURF AREAS, TO EDGE OF PAVEMENT AND TO THE EDGE OF WATER AT ALL WATER BODIES. ALL SOIL SEAMS WILL BE BUTT JOINTS WITH ADJACENT ROWS STAGGERED AND ALL EDGE PIECES ABUTTING TIGHTLY, LEAVING NO GAPS. THE CONTRACTOR SHALL REPAIR AND REPLACE ALL SOIL ON ADJACENT PROPERTIES DAMAGED BY LANDSCAPE INSTALLATION WORK, AND SHALL NOTIFY THE OWNER OF THE ADJACENT PROPERTY, AND OBTAIN PERMISSION TO PERFORM SOIL REPAIRS.

8. THE CONTRACTOR SHALL PROVIDE IMPORTED ORGANIC BACKFILL MIX AS NOTED ON THE PLANTING DETAILS WHICH WILL BE FREE OF ALL DEBRIS AND STONES OVER 1" DIAMETER. BACKFILL MIX WILL BE SANITIZED FROM HARMFUL BIOLOGICAL ORGANISMS, INCLUDING NEMATODES AND PARASITES AND WILL BE PH 6.5 - 8.0 RANGE AS DESCRIBED IN THE TREE OR PALM PLANTING DETAILS. NATIVE SOIL MAY BE MIXED WITH 50/50 MIX PER DETAILS ONLY IF APPROVED BACKFILL MIX IS NOT AVAILABLE. THE CONTRACTOR SHALL SUBMIT WRITTEN LAB RESULTS, CERTIFICATION OF SOIL CONTENT AND TRUCKING RECEIPTS WITH TYPE AND VOLUME OF SOIL TO THE OWNER OR OWNER'S REPRESENTATIVE FOR VERIFICATION. BACKFILL WILL BE TESTED FOR CONTENT BY THE LANDSCAPE ARCHITECT AT ANY TIME. FAILURE TO PROVIDE APPROVED BACKFILL, CERTIFICATION OF SOIL CONTENT AND/OR TRUCKING RECEIPTS MAY RESULT IN REJECTION OF ENTIRE LANDSCAPE WITH REMOVAL AND REPLACEMENT COSTS BORN SOLELY BY THE CONTRACTOR.

9. THE CONTRACTOR WILL PROVIDE FERTILIZER FOR ALL PLANTS UPON INSTALLATION AS SPECIFIED ON THE PLANTING DETAILS. FERTILIZER WILL BE THOROUGHLY INCORPORATED INTO THE BACKFILL MIX.

10. THE CONTRACTOR WILL PROVIDE 'TERRASORB' OR OTHER APPROVED SOIL SUPPLEMENT (HUMECTANT AND HYDROSCOPIC COMPOUNDS), THOROUGHLY INCORPORATED INTO THE BACKFILL MIX ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS FOR ALL PROPOSED PLANT MATERIAL IN EXISTING SANDY SOIL OR ON FAST DRAINING SITES. CONTRACTOR WILL BE FAMILIARIZED WITH THE SITE AND THE ENGINEER'S REPORT.

11. UNLESS OTHERWISE DICTATED BY CITY OR COUNTY CODE, THE CONTRACTOR SHALL LOCATE ALL TREES WITH A MATURE HEIGHT OF OVER 20' NO CLOSER THAN 10 FEET TO ANY LIGHT POLE. PALMS WILL NOT BE CLOSER THAN 10 FEET TO ANY LIGHT POLE. THE CONTRACTOR MAY FIELD ADJUST HORIZONTAL LOCATION OF TREES AND PALMS FOR BEST FIT WHEN COORDINATED WITH AND CONSENT GIVEN BY THE OWNER OR OWNER'S REPRESENTATIVE. LANDSCAPE/IRRIGATION CONTRACTOR SHALL NOT PROCEED WITH WORK UNTIL SITE LIGHTING LOCATIONS ARE COMPLETELY STAKED-OUT TO CONFIRM APPLICABLE SEPARATION.

12. THE CONTRACTOR SHALL INSURE THAT ALL PLANT MATERIAL LOCATED WITHIN THE SIGHT TRIANGLE DISTANCE AREA AT ROADWAY INTERSECTIONS AND ACCESS POINTS PROVIDE AN UNOBSTRUCTED CROSS VISIBILITY AT A HORIZONTAL LEVEL BETWEEN 30" AND 8' IN HEIGHT. SEE LANDSCAPE PLANS FOR SIGHT TRIANGLES.

13. THE CONTRACTOR SHALL INSURE THAT ALL TREES OR PALMS LOCATED ADJACENT TO ANY OVERHEAD POWER LINES BE INSTALLED IN ACCORDANCE WITH FLORIDA POWER AND LIGHTS 'RIGHT TREE, RIGHT PLACE' GUIDELINES. ANY INSTANCES OF INSUFFICIENT SEPARATION BETWEEN TREES OR PALMS AND OVERHEAD LINES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR RESOLUTION BEFORE INSTALLATION.

14. THE CONTRACTOR SHALL LOCATE ALL TREES AND PALMS CLEAR OF ALL TRAFFIC SIGNS AND IN SUCH A MANNER TO PREVENT BOTH THE TREE CANOPY AND PALM FRONDS FROM OBSTRUCTING ANY PORTION OF TRAFFIC SIGNS. THE LANDSCAPE/IRRIGATION CONTRACTOR SHALL INSURE THAT ALL TRAFFIC SIGNS AND GUARDRAILS ARE COMPLETELY STAKED-OUT TO CONFIRM SEPARATION AND CLEAR VISIBILITY OF SIGNS.

15. THE CONTRACTOR WILL PROVIDE 'MILT-PROF' OR OTHER APPROVED SURFACANT TO BE SPRAYED ON ALL PROPOSED TREES AND PALMS IN AREAS OF SUSTAINED WINDS OF MORE THAN 10 KNOTS AND ALL COASTAL AREAS, ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS, TO PREVENT WINDBURN AND EXCESSIVE WATER LOSS THROUGH TRANSPIRATION.

16. THE CONTRACTOR SHALL INTERIM SUPPLEMENTAL IRRIGATION, I.E. REGULAR THOROUGH, DEEP WATERING, TO ALL INSTALLED PLANT MATERIAL UNTIL SUCH TIME AS THE CITY'S OR COUNTY'S FINAL INSPECTION, ACCEPTANCE AND PERMIT CLOSE-OUT. IN THE EVENT THAT AN IRRIGATION SYSTEM IS NOT PROVIDED, THE CITY SHALL BE RESPONSIBLE FOR PROVIDING SUPPLEMENTAL WATER TO LANDSCAPING AS NEEDED TO MAINTAIN REASONABLE HEALTH, AND DURING TIMES OF EXTREME DROUGHT.

17. THE CONTRACTOR SHALL PROVIDE ROOT BARRIER AT A VERTICAL DEPTH OF 18" MIN. TO 48" MAX. FOR ANY SHADE TREES OR LARGE PALMS WHICH ARE INSTALLED AS FOLLOWS: LESS THAN FIVE (5) FEET FROM ADJACENT ASPHALT OR CONCRETE PAVEMENT, WITHIN CURBED PARKING ISLANDS LESS THAN NINE (9) FEET INTERIOR WIDTH OR WITHIN SIX (6) FEET PROXIMITY TO UNDERGROUND UTILITY OR INFRASTRUCTURE. ROOT BARRIER SHALL BE 'BIOBARRIER', 'DEEPROOT PARTNERS', 'L1', OR APPROVED EQUAL. INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. SEE DETAIL, THIS PAGE.

18. THE CONTRACTOR SHALL PROVIDE GUYING OR STAKING TO ALL TREES AND PALMS ACCORDING TO THE DETAILS SHOWN IN THIS SHEET. GUYING AND STAKING REQUIREMENTS WILL BE STRICTLY ENFORCED THROUGHOUT CONSTRUCTION AND THE WARRANTY PERIOD. ALL TREES AND PALMS WILL BE PLUMB VERTICAL AT TIME OF INSPECTION. ALL GUYING OR STAKING SHALL BE REMOVED AFTER NINE MONTHS OR AT THE END OF HURRICANE SEASON, WHICHEVER IS GREATER.

19. THE CONTRACTOR SHALL PROVIDE APPROVED MULCH TO ALL TREES, SHRUBS AND PLANT BEDS. CONTRACTOR SHALL INSTALL MULCH AT A DEPTH OF 3" MIN. AND MAINTAIN A 48" DIAMETER RING AROUND FREE STANDING TREES. ALL TREES SHALL HAVE A 6" WIDE RING CLEAR OF MULCH AROUND THE TREE TRUNK. DO NOT MULCH ANNUAL FLOWER BEDS. APPROVED MULCH WILL BE NON-CYPRESS, STERILIZED NATURAL CELLULOSE FRAGMENTS AS RECOMMENDED BY SFMWD XERISCAPE PLANT GUIDE II AND WHICH COMPLIES WITH ALL APPLICABLE LAND DEVELOPMENT, ZONING AND BUILDING CODES.

20. THE CONTRACTOR WILL, WITH ALL QUOTATIONS OR PROPOSAL/AGREEMENTS, PROVIDE A BINDING LETTER AND WRITTEN REPLACEMENT WARRANTY FOR ALL INSTALLED PLANT MATERIAL AFTER FINAL INSPECTION AND ACCEPTANCE BY THE OWNER. WARRANTY SHALL BE FOR 1 YEAR FOR ALL TREES AND PALMS, 120 DAYS FOR SHRUBS. WHERE INCREMENTAL COMPLETION CERTIFICATES OR TCS'S ARE ISSUED, CONTRACTOR MAY PETITION OWNER & AUTHORITY TO ACCEPT WORK IN CORRESPONDING INCREMENTAL SECTIONS. ALL PLANT MATERIAL SHALL NOT BE BOUND UNDER WARRANTY SHOULD IT BE CONFIRMED THAT DAMAGE OR DEATH TO PLANT MATERIAL BE THE RESULT OF AN 'ACT OF GOD'.

21. THE CONTRACTOR WILL PROVIDE A WRITTEN AGREEMENT TO COVER THE WARRANTY PERIOD AT TIME OF THE COMPLETION, INSPECTION AND PRIOR TO FINAL ACCEPTANCE. CONTRACTOR SHALL ALSO DEFINE INSPECTION DATES AND TIMES THROUGHOUT THE WARRANTY PERIOD TO MONITOR PLANTINGS UNDER WARRANTY. MAINTENANCE AGREEMENT WORK SHALL BE PERFORMED BY A QUALIFIED LANDSCAPE/IRRIGATION CONTRACTOR.

22. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY OF OBTAINING FROM GROWERS STATEWIDE, AND INTERSTATE, SPECIFIED PLANT MATERIALS IN ADVANCE OF RELEASING SITE TO LANDSCAPE PROFESSIONAL. AWARD OF THE CONTRACT IS BASED ON THE CONTRACTOR PROVIDING THE MATERIALS AT BID PRICE. CONTRACTOR WILL PROVIDE OFF-SITE INTERIM NURSERY FACILITIES FOR RECEIVING, MAINTAINING AND GROWING PLANT MATERIALS AT HIS OWN COST, WHEN SPECIAL CONDITIONS EXIST OR OTHER ARRANGEMENTS MUST BE MADE IN ORDER TO SUPPLY SPECIFIED PLANT MATERIALS. ONLY REGIONAL (TRI-COUNTY) AGRICULTURAL DAMAGE AS DETERMINED BY FLORIDA D.O.A. AND/OR THE LOCAL COOPERATIVE EXTENSION SERVICE IN WRITING WILL BE CONSIDERED BY AUTHORITY. IN THIS CASE, THE CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING AND OBTAINING WRITTEN MODIFICATION FROM THE LANDSCAPE ARCHITECT AND THE PERMITTING JURISDICTION TO ACCEPTABLE PLANT SUBSTITUTIONS.

23. THE CONTRACTOR ACCEPTS THE LANDSCAPE PLAN, PLANT LIST, QUANTITIES AND SPECIFICATIONS CONTAINED HEREIN AS REQUIRED FOR SITE PLAN APPROVAL, ZONING AND LANDSCAPE PERMITTING. FINAL ARCHITECTURE, ENGINEERING IN PLANS AND UTILITY PROVIDERS MAY CREATE CONFLICTS AND OCCURRENCE OF DISCREPANCIES BETWEEN PLANT LOCATIONS, COUNTS ON PLAN, AND THE LIST. BIDDERS AND CONTRACTORS SHALL REPORT IN WRITING ANY AND ALL DESIGN CONFLICTS TO THE LANDSCAPE ARCHITECT FOR RESOLUTION, AND AS REQUIRED BY CODE.

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REVISIONS		
DATE	BY	DESCRIPTION

**IBI** PLANS PREPARED BY IBI GROUP, INC.

**CITY OF MIAMI**  
CAPITAL IMPROVEMENTS PROGRAM  
444 S.W. 2ND AVENUE, 8TH FLOOR  
MIAMI, FLORIDA 33130  
(305) 416-1213 FAX (305) 416-1253

**CITY OF MIAMI**  
CAPITAL IMPROVEMENTS PROGRAM

PROJECT NAME: **OVERTOWN GREENWAY PHASE II**  
NW 11 STREET  
FROM NW 12 AVE TO NW 7TH AVE

PROJECT NO.: **B-173648**

SIGNATURE OF CONTRACTOR/BIDDER \_\_\_\_\_ DATE \_\_\_\_\_

COMPANY NAME, ADDRESS & PHONE \_\_\_\_\_

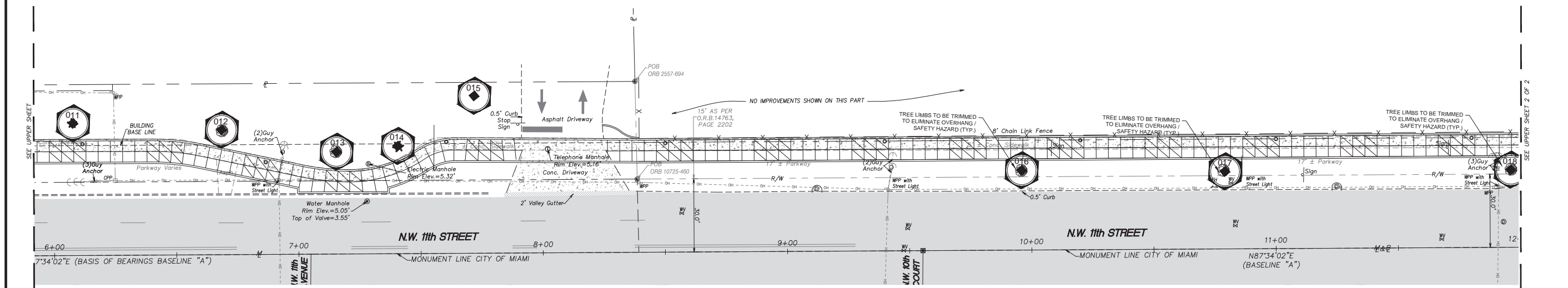
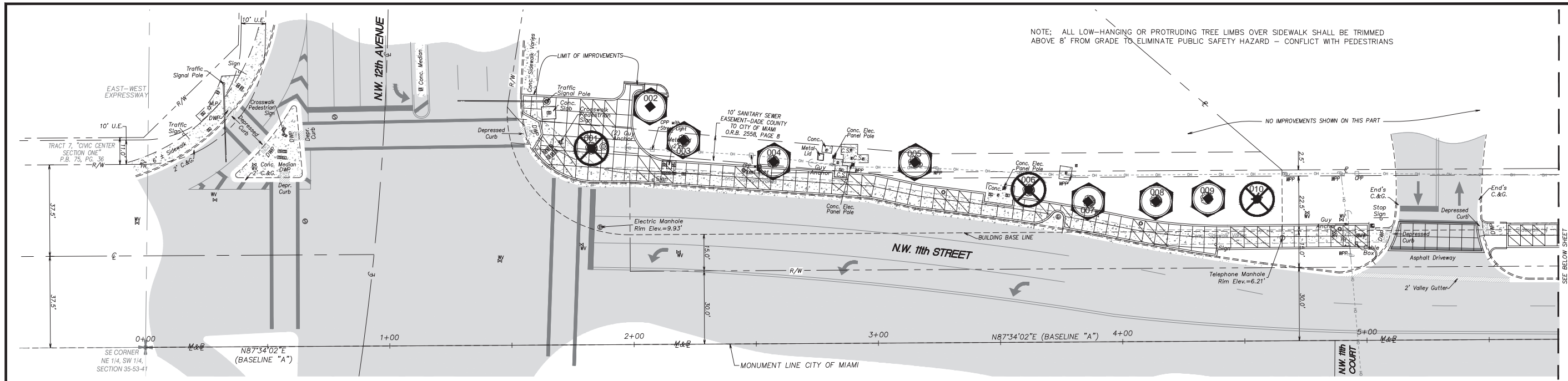
CONTRACTOR AND/OR LANDSCAPE & IRRIGATION PROFESSIONAL MUST HAVE THIS SIGNED DRAWING IN THE BUILDING PERMIT SET OF PLANS AND THE JOB SET OF PLANS AT ALL TIMES.

LANDSCAPE DETAILS AND SPECIFICATIONS

SHEET NO. **L3.0**

CONSTRUCTION 100% PLANS

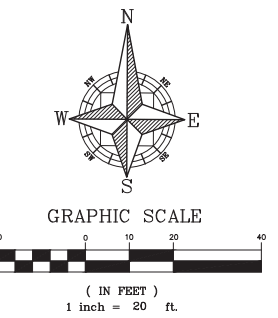
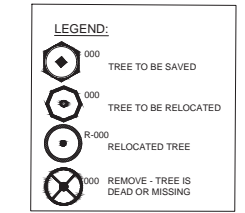
NOTE: ALL LOW-HANGING OR PROTRUDING TREE LIMBS OVER SIDEWALK SHALL BE TRIMMED ABOVE 8' FROM GRADE TO ELIMINATE PUBLIC SAFETY HAZARD - CONFLICT WITH PEDESTRIANS



TREE DISPOSITION LEGEND					
NO.	SPECIES	CALIPER @ DBH	CANOPY HEIGHT	CANOPY SPREAD	RECOMMENDED DISPOSITION
001	Lagotis indica / Orange Myrtle	2"	10'	6'	DEAD - Remove - dead
002	Delonix regia / Royal Poinciana	24"	30'	40'	Good - REMAIN - PROTECT
003	Delonix regia / Royal Poinciana	21-12"	28'	40'	Good - REMAIN - PROTECT
004	Quercus virginiana / Live Oak	10-12"	21'	22'	Fair - CL, TP, DB - REMAIN - PROTECT
005	Quercus virginiana / Live Oak	8"	17'	18'	Good - REMAIN - PROTECT
006	NUMBER NOT USED				Tree is gone / missing
007	Quercus virginiana / Live Oak	8"	21'	18'	Good - REMAIN - PROTECT
008	Quercus virginiana / Live Oak	13-12"	23'	20'	Good - REMAIN - PROTECT
009	Quercus virginiana / Live Oak	15-12"	28'	28'	Good - REMAIN - PROTECT
010	Royalstonia regia / Royal Palm	10" GW			DEAD - Remove - dead
011	Royalstonia regia / Royal Palm	22" GW			Good - REMAIN - PROTECT
012	Ficus citrifolia / Short Leaf Fig	30"	32'	40'	Good (moderate) - REMAIN - PROTECT
013	Ficus citrifolia / Short Leaf Fig	42"	38'	40'	Fair - REMAIN - PROTECT
014	Royalstonia regia / Royal Palm	32" GW			Good - REMAIN - PROTECT
015	Phoenix carolinensis / Canary Island Date Palm	32" GA			Fair - REMAIN - PROTECT
016	Callistemon amabilis / Bottlebrush	20"	18'	18'	Good - REMAIN - Trim limb overhang
017	Callistemon amabilis / Bottlebrush	22"	22'	21'	Good - REMAIN - Trim limb overhang
018	Callistemon amabilis / Bottlebrush	20"	18'	20'	Good - REMAIN - Trim limb overhang
019	Callistemon amabilis / Bottlebrush	13-12"	18'	10'	Fair - REMAIN - PROTECT
020	Callistemon amabilis / Bottlebrush	14" x 18"	21'	21'	Fair (CS) - REMAIN - Trim limb overhang

TREE DISPOSITION LEGEND					
NO.	SPECIES	CALIPER @ DBH	CANOPY HEIGHT	CANOPY SPREAD	RECOMMENDED DISPOSITION
021	Sesuvium portulacastrum / Mahogany	21-12"	30'	32'	Good - REMAIN - Trim limb overhang
022	NUMBER NOT USED				Tree is gone / missing
023	Sesuvium portulacastrum / Mahogany	24"	29'	38'	Good - REMAIN - PROTECT
024	Sabal palmetto / Cabbage Palm		21'		Good - REMAIN - PROTECT
025	Sabal palmetto / Cabbage Palm		21'		Good - REMAIN - PROTECT
026	Sabal palmetto / Cabbage Palm		19'		Fair - REMAIN - PROTECT
027	Sabal palmetto / Cabbage Palm		17'		Good - REMAIN - PROTECT
028	Sabal palmetto / Cabbage Palm		16'		Good - REMAIN - PROTECT
029	Sabal palmetto / Cabbage Palm		17'		Good - REMAIN - PROTECT
030	Sabal palmetto / Cabbage Palm		16'		Good - REMAIN - PROTECT
031	Sabal palmetto / Cabbage Palm		21'		Good - REMAIN - PROTECT
032	Cataglyphis brachymeris / Brazilian Beauty	13"	18'	17'	Fair (CS, HR) - REMAIN - PROTECT
033	Sabal palmetto / Cabbage Palm		20'		Good - REMAIN - PROTECT
034	Sabal palmetto / Cabbage Palm		22'		Good - REMAIN - PROTECT
035	Sabal palmetto / Cabbage Palm		22'		Good - REMAIN - PROTECT
036	Sabal palmetto / Cabbage Palm		22'		Good - REMAIN - PROTECT
037	Ficus citrifolia / Short Leaf Fig	30"	32'	40'	Good - REMAIN - PROTECT
038	Quercus virginiana / Live Oak	40"	32'	40'	Good - REMAIN - PROTECT
039	NUMBER NOT USED				Tree is gone / missing
040	Sesuvium portulacastrum / Mahogany	22"	30'	24'	Fair (CS, DB) - REMAIN - PROTECT

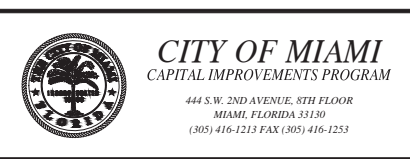
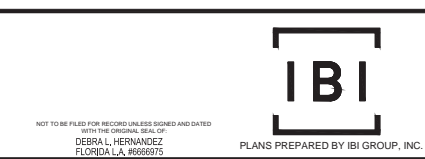
TREE DISPOSITION LEGEND					
NO.	SPECIES	CALIPER @ DBH	CANOPY HEIGHT	CANOPY SPREAD	RECOMMENDED DISPOSITION
041	Sesuvium portulacastrum / Mahogany	30"	34'	33'	Fair (CS, DB) - REMAIN - PROTECT
042	Washingtonia robusta / Washingtonia palm				DEAD - Remove - dead
043	Quercus virginiana / Live Oak	40"	35'	40'	Good - REMAIN - PROTECT
044	Sabal palmetto / Cabbage Palm		18'		Good - REMAIN - PROTECT
045	Sabal palmetto / Cabbage Palm		19'		Good - REMAIN - PROTECT
046	Sabal palmetto / Cabbage Palm		18'		Good - REMAIN - PROTECT
047	Sabal palmetto / Cabbage Palm		17'		Good - REMAIN - PROTECT
048	Sabal palmetto / Cabbage Palm		16'		Good - REMAIN - PROTECT
049	Ligustrum lucidum	8"	8'		Good - Remove - bush (no value)
050	Sesuvium portulacastrum / Mahogany	11"	20'	12'	Fair (CL, GR, DB) - REMAIN - PROTECT
051	Sesuvium portulacastrum / Mahogany	20"	27'	30'	Fair (GR) - REMAIN - PROTECT
052	Sabal palmetto / Cabbage Palm		20'		Good - REMAIN - PROTECT
053	Sabal palmetto / Cabbage Palm		20'		Good - REMAIN - PROTECT
054	Sabal palmetto / Cabbage Palm		20'		Good - REMAIN - PROTECT
055	Sabal palmetto / Cabbage Palm		18'		Good - REMAIN - PROTECT
056	Sesuvium portulacastrum / Mahogany	11"	30'	28'	Fair (GR, CS) - REMAIN - PROTECT
057	Sesuvium portulacastrum / Mahogany	27"	30'	27'	Fair (CS, DB, GR) - REMAIN - PROTECT
058	Sesuvium portulacastrum / Mahogany	27"	32'	30'	Fair (CS, GR) - REMAIN - PROTECT



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NOTE: ALL LOW-HANGING OR PROTRUDING TREE LIMBS OVER SIDEWALK SHALL BE TRIMMED ABOVE 8' FROM GRADE TO ELIMINATE PUBLIC SAFETY HAZARD - CONFLICT WITH PEDESTRIANS

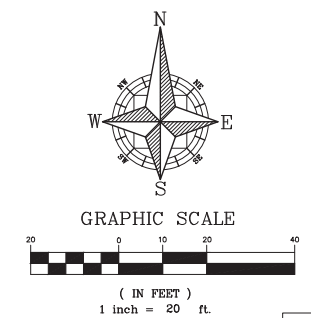
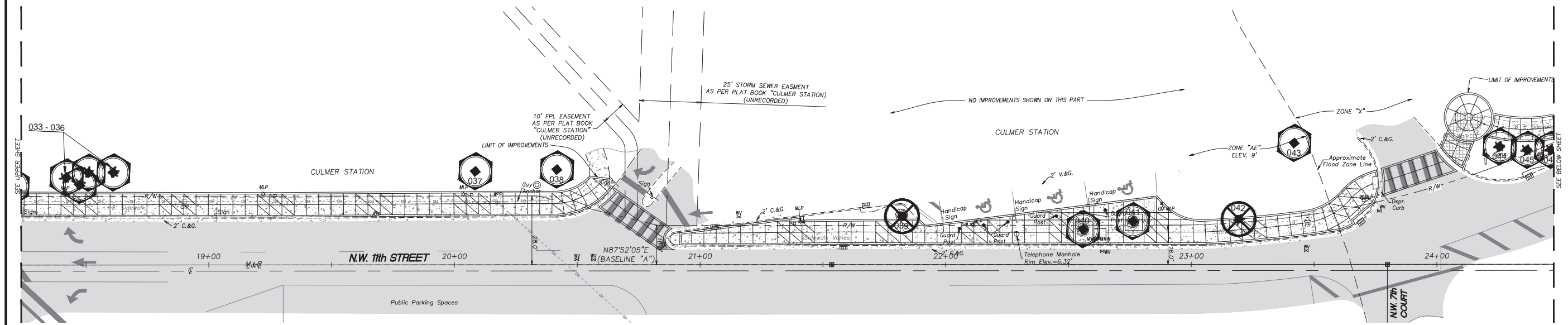
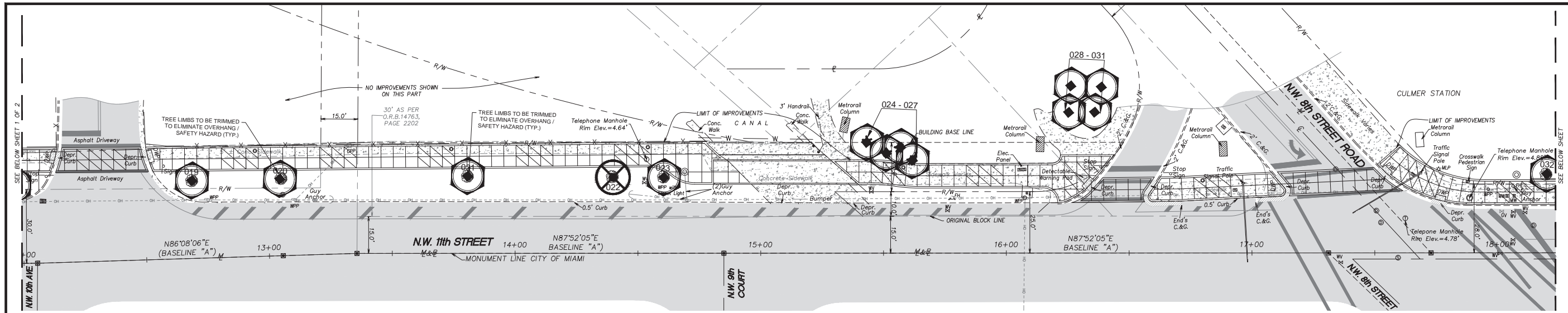
REVISIONS		
DATE	BY	DESCRIPTION



CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM	
PROJECT NAME	PROJECT No.
OVERTOWN GREENWAY PHASE II NW 11 STREET FROM NW 12 AVE TO NW 7TH AVE	B-173648

TREE MANAGEMENT PLAN	
SHEET NO.	
	TM1.0

CONSTRUCTION 100% PLANS



**LEGEND:**

- TREE TO BE SAVED
- TREE TO BE RELOCATED
- RELOCATED TREE
- REMOVE - TREE IS DEAD OR MISSING

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REVISIONS		
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DEBRA L. HERNANDEZ  
FLORIDA L.A. #9869975

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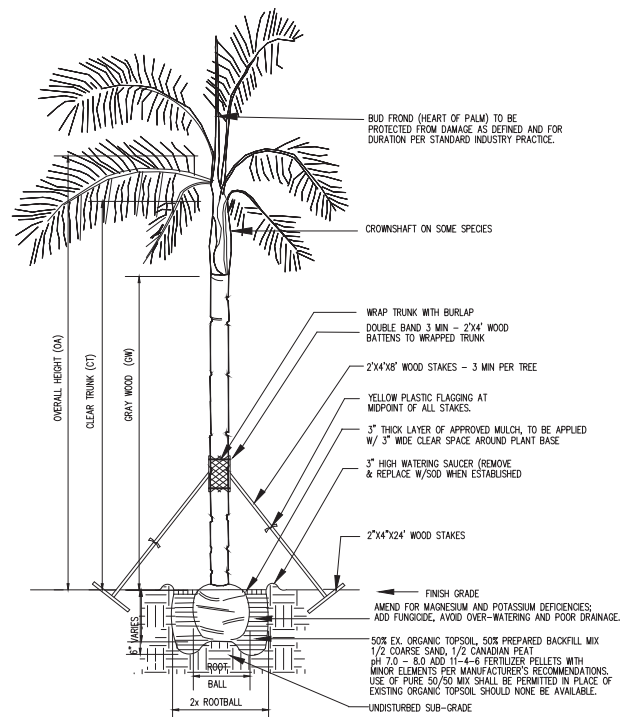
444 S.W. 2ND AVENUE, 8TH FLOOR  
MIAMI, FLORIDA 33130  
(305) 416-1213 FAX (305) 416-1253

CITY OF MIAMI CAPITAL IMPROVEMENTS PROGRAM	
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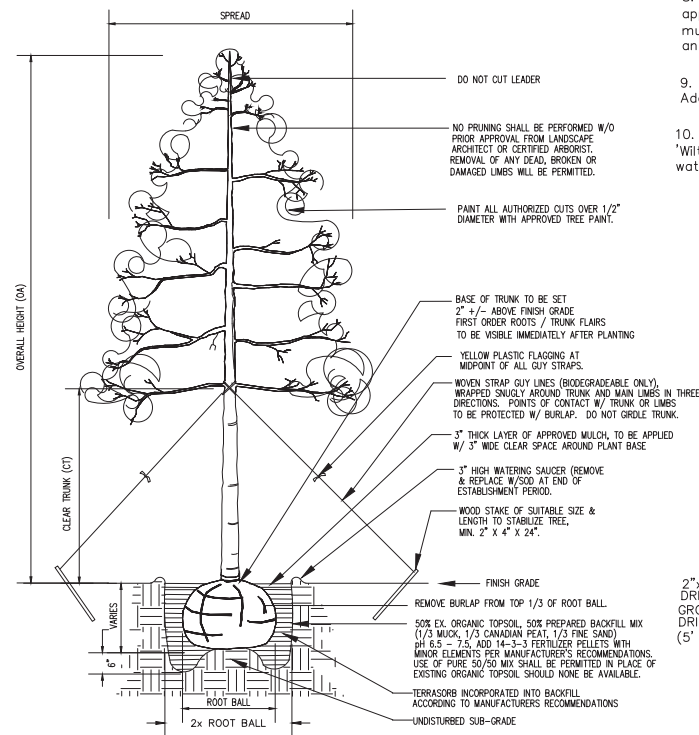
TREE MANAGEMENT PLAN	
SHEET NO.	TM2.0

Filename: J:\116490\5.9 Drawings\59\layouts\ACAD-Overtown-Ph 2 Tree Mgmt Plan - Plot Date: 2.12.2019

CONSTRUCTION 100% PLANS



**TYPICAL PALM PLANTING DETAIL**  
NOT TO SCALE



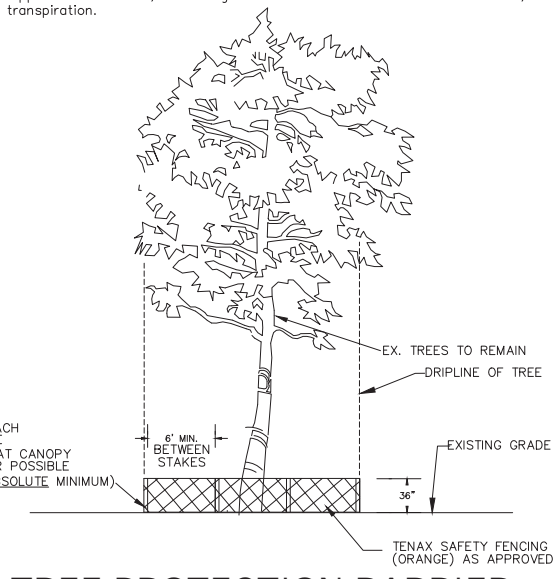
**TYPICAL TREE PLANTING DETAIL**  
NOT TO SCALE

**GENERAL:**

The CONTRACTOR will remove all existing exotic tree species located within the project boundaries when exempt from local county removal permits and required for removal. Such exotic species are not included for calculations of tree caliper/canopy replacement. Exotic species shall be as determined by the US-EPA; Florida Department of Environmental Protection; and the Florida EPPC (Florida Exotic Pest Plant Council) Category 1. Statutory law prevails over local ordinance.

**GENERAL TREE MANAGEMENT NOTES AND SPECIFICATIONS**  
**TREE PROTECTION, RELOCATION & REMOVAL NOTES**

- The Tree Management Plan, sheet TM-1.0 may be based on or contain elements or features from the certified "Property and Tree Survey" prepared by a Florida registered surveyor. Coordinates of tree locations, identification of species, description of size and health of same is conditional on the accuracy and completeness of survey data. The Tree Management Plan does not warrant the accurate location of trees in relation to proposed development.
- The GENERAL CONTRACTOR is responsible for ensuring that the on-site tree relocation activity or management of trees does not conflict with proposed development.
- The GENERAL CONTRACTOR shall protect every tree to be preserved/saved by installing a barrier around the individual trees, groups of trees or entire preserve area in accordance with the tree protection detail on this sheet. The barrier shall be a minimum of five feet (5') radius from the tree trunk or following the drip-line (edge of tree canopy), whichever is greater. The barriers shall be placed prior to clearing, shall remain in place and in good condition for the duration of construction AND until receipt of certificate of occupancy from the permitting agency.
- The GENERAL CONTRACTOR is responsible to prevent spillage into protected trees of concrete, mortar, slurry, contaminated water and/or noxious chemicals from construction activity and is responsible for daily clean-up of debris inside and at the perimeter of the tree protection barriers. The GENERAL CONTRACTOR shall provide financial compensation to the Owner or jurisdiction for accidental damage to protected trees and/or for careless damage to protected trees by their crews, subcontractors and trades. Compensation to the Owner will be calculated from the ISA tree value provided by a Certified Arborist or the City or County of recorded jurisdiction, plus legal fees, professional time and expenses incurred to recover damages.
- The LANDSCAPE CONTRACTOR will provide backfill mix as noted on the planting details. Backfill mix will be free of all debris & stones over 1" diameter and sanitized of nematodes & parasites. Alternative backfill material as noted in details on this page may be used. Native sand or sandy soil may be used for backfilling palms only, and must be approved by Landscape Architect or Certified Arborist prior to installation.
- All plant material proposed in sandy soils or fast draining sites will receive "Terrasorb" or other approved soil supplement (humectant and hygroscopic compounds), thoroughly incorporated into the backfill mix according to the manufacturer's recommendations and as noted on details, this page.
- All trees and palms will be guyed or staked according to the details as shown, or by alternative methods as required by the jurisdictional city or county. Guying & staking requirements will be strictly enforced. All trees and palms will be plumb in all directions at time of inspection.
- All transplanted trees and palms will receive mulch approved by the Landscape Architect and which complies with all applicable land development, zoning and building codes. Depth of mulch will be 3" at time of inspection. A 36" ring of mulch, measured radially from trunk center, with a 6" clear zone of mulch around the tree or palm base shall be provided and maintained around all trees and palms.
- No fertilizer other than specified in details, this page, shall be applied to any tree or palm at time of transplant. Additional fertilization shall be applied after 60 to 90 days from date of transplant.
- All trees and palms in areas of sustained winds of more than 10 knots, and all coastal areas, will be sprayed with "Wilt-Pruf" or other approved surfactant, according to the manufacturer's recommendations, to prevent windburn and excessive water loss through transpiration.



**TREE PROTECTION BARRIER**  
NOT TO SCALE



11. The LANDSCAPE CONTRACTOR is responsible for any damage to underground work which is properly marked or for which he has not obtained proper marking through the ONE CALL SYSTEM - 48 HOURS BEFORE DIGGING - CALL TOLL FREE 1 (800) 432-4770, markings from local utility departments, or from the General Contractor.

12. The LANDSCAPE CONTRACTOR will provide written care instructions for the first year to the Owner's representative at the time of the substantial completion inspection and prior to final acceptance.

13. The Superintendent or Crew Chief on job site will have a minimum of two (2) years experience.

**TREE RELOCATION PROCESS**

The tree relocation contractor shall be licensed and insured per State or County regulations, and shall be approved by the Certified Arborist of Record for the project, or Landscape Architect prior to acceptance of contract.

**ANSI PREPARATION, EQUIPMENT, IRRIGATION & BARRIER GUIDELINES**

The General Contractor and Tree Professional shall refer to and comply with the AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) specification A-300 for all tree relocation work as a condition of license approval from Broward County - Dept. of Preservation and Environmental Protection (BC-DPEP).

**TREE PREPARATION, FERTILIZATION AND PEST CONTROL**

Tree preparation to be performed three weeks prior to first stage of root pruning schedule. Application of water soluble tank mix applied through ground drench. Fertilizer to include supplemental mycorrhizae and macro/micro nutrient treatment in mix. During first application an appropriate systemic insecticide also shall be applied to inhibit infestation of Borers or Beetles due to stressful conditions of relocation process.

Additional application of fertilization treatment shall be performed at end of first week of root pruning schedule and at end of third phase of root pruning schedule.

A second application of systemic insecticide shall be applied in same manner at third phase of root pruning schedule.

**CANOPY CLEANING**

Remove dead, diseased and damaged tree branches or palm fronds. Lesser tree branches that rub on major branches, branches with V-crotches or included bark and other visibly weak branches may be removed if necessary to the health and survival of the tree. All debris shall be disposed of in a manner that will comply with all applicable land development, zoning and building codes, either by hauling or chipping.

**ROOT PRUNING:**

Prune palm roots for anticipated root ball of 18" radius (36" diameter) minimum. Prune tree roots for anticipated root ball of 24" radius (48" diameter) minimum for all trees less than 6" caliper at DBH. Root ball size for trees greater than 6" caliper measured at DBH will be determined based on 8" minimum of root ball diameter for each inch of trunk diameter measured at DBH height.

At no time shall the use of an axe to cut roots be accepted. All root cuts shall be performed either by hand pruning shears or sharpened shovel for smaller roots, or by saw for larger roots.

**TREES W/ 8" CALIPER OR LESS**

Root pruning schedule for trees w/ 8" caliper or less: Prune 35% of root ball at week one. Prune additional 35% of root ball at week six; then remaining 30% of root ball to be pruned at week twelve. Tree root system will be hardened off and eligible for final dig of root system, root ball containment and transport at end of Week eighteen (six weeks from final root prune).

**TREES W/ 8" CALIPER OR GREATER**

Root pruning schedule for trees w/ 8" caliper or greater: Prune 25% of root ball at week one. Prune additional 25% of root ball at week six; prune additional 25% of root ball at week twelve, then remaining 25% of root ball to be pruned at week eighteen. Tree root system will be hardened off and eligible for final dig of root system, root ball containment and transport at end of Week twenty-four (six weeks from final root prune). Deviation from this schedule and/or option to prepare trees for transport after week eighteen shall be approved by the Owner or Certified Arborist prior to commencement of any relocation activities.

For trees 18" caliper or greater, minimum hardening time from root pruning prior to relocation shall be 12 weeks.

**WATERING**

The preferred method of irrigation shall be an overhead mist system. This method is effective in alleviating loss of canopy and insure sufficient moisture to root ball. Schedule for irrigation shall be daily and shall take place between the hours of 5:00 a.m. and 10:00 a.m. Any deviation from this method, shall be presented in writing to the Owner or Certified Arborist for approval prior to commencement of any root pruning activities.

**VERIFICATION**

Root ball on each tree shall be inspected by Certified Arborist prior to scheduling of final relocation to determine presence of active and viable new root growth.

**TREE AND PALM MOVING**

Excavate proposed locations an adequate depth to accommodate the root ball of the identified tree or palm.

Preparation of root ball prior to commencement of relocation shall be to cut the bottom roots of the tree. This shall be performed by mechanical means and physical cuts of the roots only and at no time shall the root ball be pulled from the ground.

The root ball shall be contained by any means necessary to preserve the integrity of the root ball for it to remain intact. The method of containment shall be determined by the Certified Arborist and shall be on an individual basis for each tree or palm.

The method of transport for tree relocation shall be determined by the Certified Arborist, and shall be decided on a case by case basis dependent upon actual site conditions. Prior to commencement of tree relocation activities, the Tree Relocation Contractor may submit, in writing, a method of transport to the Owner or Certified Arborist for evaluation and approval.

REVISIONS		
DATE	BY	DESCRIPTION

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TREE MANAGEMENT DETAILS AND SPECIFICATIONS	
DATE	BY

SHEET NO. TM3.0