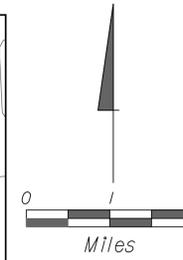
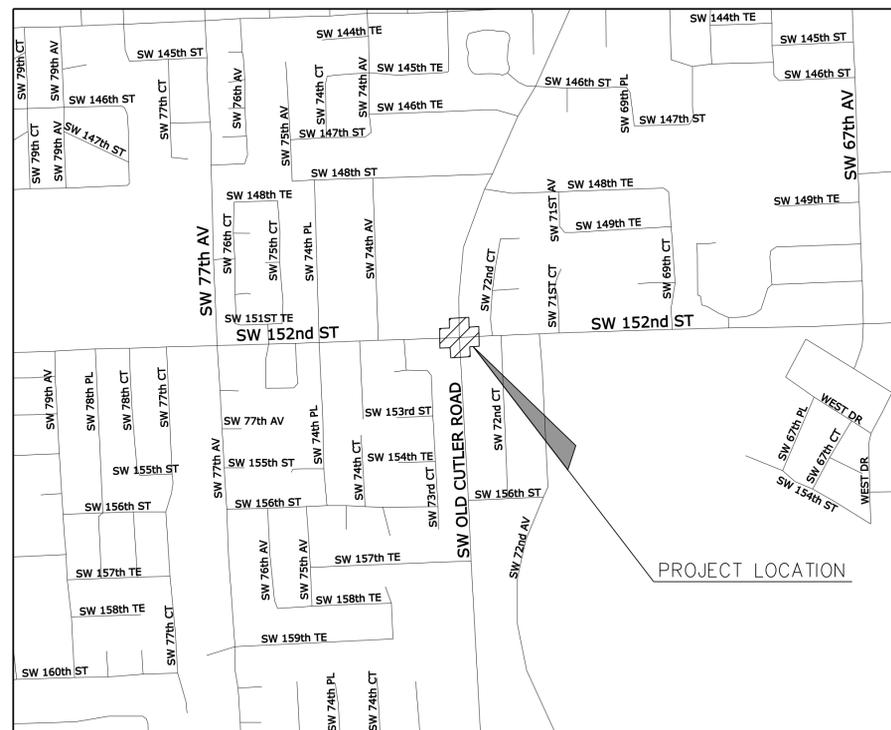


PLANS FOR PROPOSED IMPROVEMENTS TO PEDESTRIAN CROSSWALK AT THE INTERSECTION OF SW 152nd STREET AND OLD CUTLER ROAD VILLAGE OF PALMETTO BAY

FINANCIAL PROJECT NUMBER: 426454-1-58-01
FEDERAL AID NUMBER: ARRA474
CONTRACT NUMBER: APO40



INDEX OF SHEETS	
SHT. No.	SHEET DESCRIPTION
C-1	TYPICAL SECTION AND DETAILS
C-2	DEMOLITION PLAN
C-3	GEOMETRY LAYOUT PLAN
C-4	PAVING AND GRADING PLAN
C-5	PAVEMENT MARKINGS AND SIGNAGE PLAN
C-6 & C-7	MAINTENANCE OF TRAFFIC AND DETOUR OPTIONS
C-8	GENERAL NOTES

A PORTION OF SECTION 23 AND 26-55-40
MIAMI-DADE COUNTY, FLORIDA
LOCATION MAP

PREPARED FOR
VILLAGE OF PALMETTO BAY



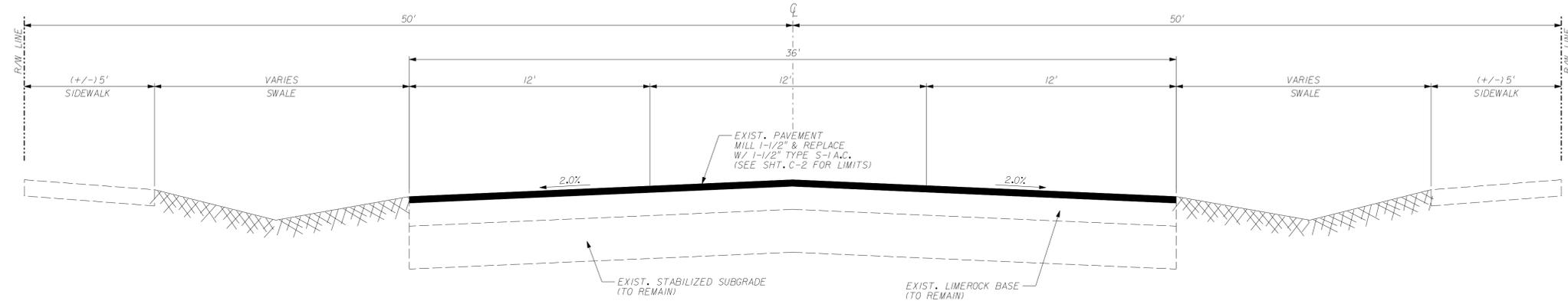
7300 N. Kendall Drive, Suite 400
Miami, Florida 33156
Phone: (305) 670-2350
Fax: (305) 670-2351
Certificate of Authorization No. 7184

KEY SHEET REVISIONS			
No.	DATE	BY	DESCRIPTION
1	03/17/10	MM	MDCPWD - TRAFFIC ENGINEERING DIVISION
2	03/31/10	MM	VILLAGE OF PALMETTO BAY PUBLIC WORKS

CONSTRUCTION SET

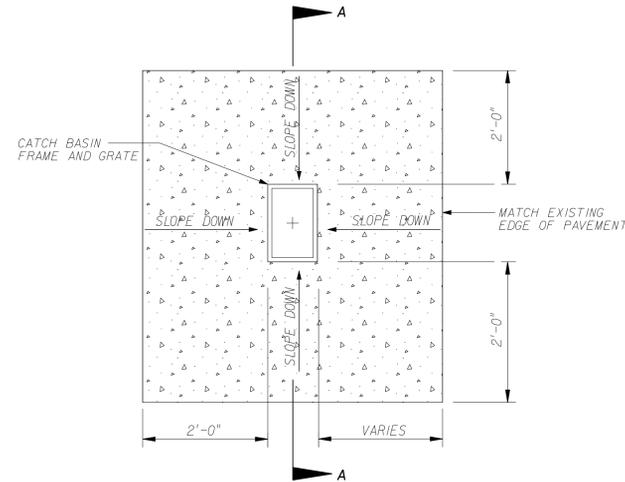
ENGINEER OF RECORD:

Shahin Hekmat, P.E.
FLORIDA REGISTRATION P.E. No. 49941

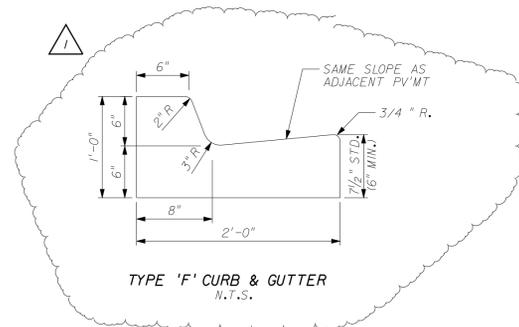


TYPICAL SECTION
(POSTED SPEED LIMIT 40 M.P.H.)
N.T.S.

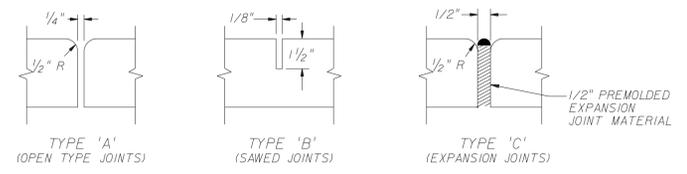
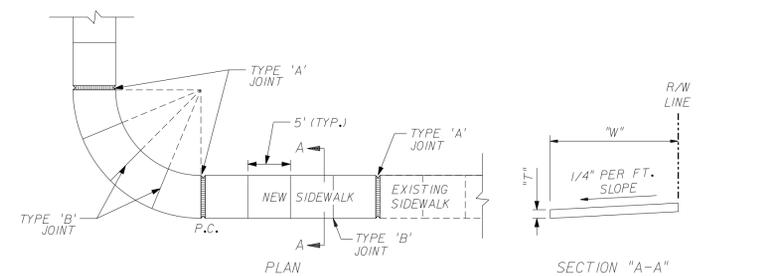
NOTE:
1. SODDING TO BE USED AT LOCATIONS WERE INDICATED ON THE PLANS AND WHERE EXISTING LAWNS ARE DISTURBED.



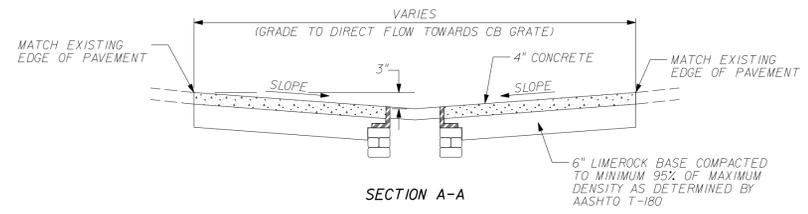
PLAN



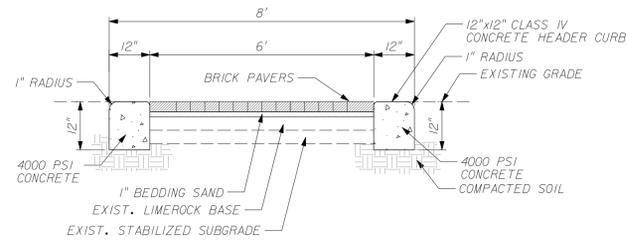
TYPE 'F' CURB & GUTTER
N.T.S.



SIDEWALK JOINTS
N.T.S.



CONCRETE APRON DETAIL
N.T.S.



BRICK PAVER CROSSWALK SECTION
N.T.S.

NOTES:
1. BEDDING SAND TO CONFORM TO ASTM C 33 COMMONLY KNOWN AS MANUFACTURED CONCRETE SAND, DO NOT USE MASONRY SAND.
2. PROVIDE 1/4" WIDE x 1" DEEP SAWED CONTRACTION JOINTS AT 10' CENTERS (MAX.) NO LATER THAN 12 HOURS AFTER THE CONCRETE TAKES INITIAL SET. COMPARABLE TOOLED JOINTS MAY BE PROVIDED IN LIEU OF SAWED JOINTS.

TABLE OF SIDEWALK THICKNESS - "T"	
LOCATION	"T"
RESIDENTIAL AREAS	4"
COMMERCIAL AREAS AND DRIVEWAYS	6"

* AT THE DISCRETION OF THE ENGINEER

TABLE OF SIDEWALK JOINTS	
TYPE	LOCATION
'A'	P.C. AND P.T. OF CURVES, JUNCTION OF EXISTING AND NEW SIDEWALKS
'B'	5'-0" CENTER TO CENTER ON SIDEWALKS
'C'	* WHERE SIDEWALK ABUTS CONCRETE CURBS, DRIVEWAYS, AND SIMILAR STRUCTURES

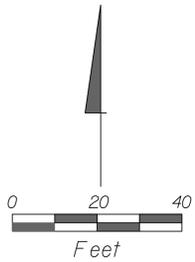
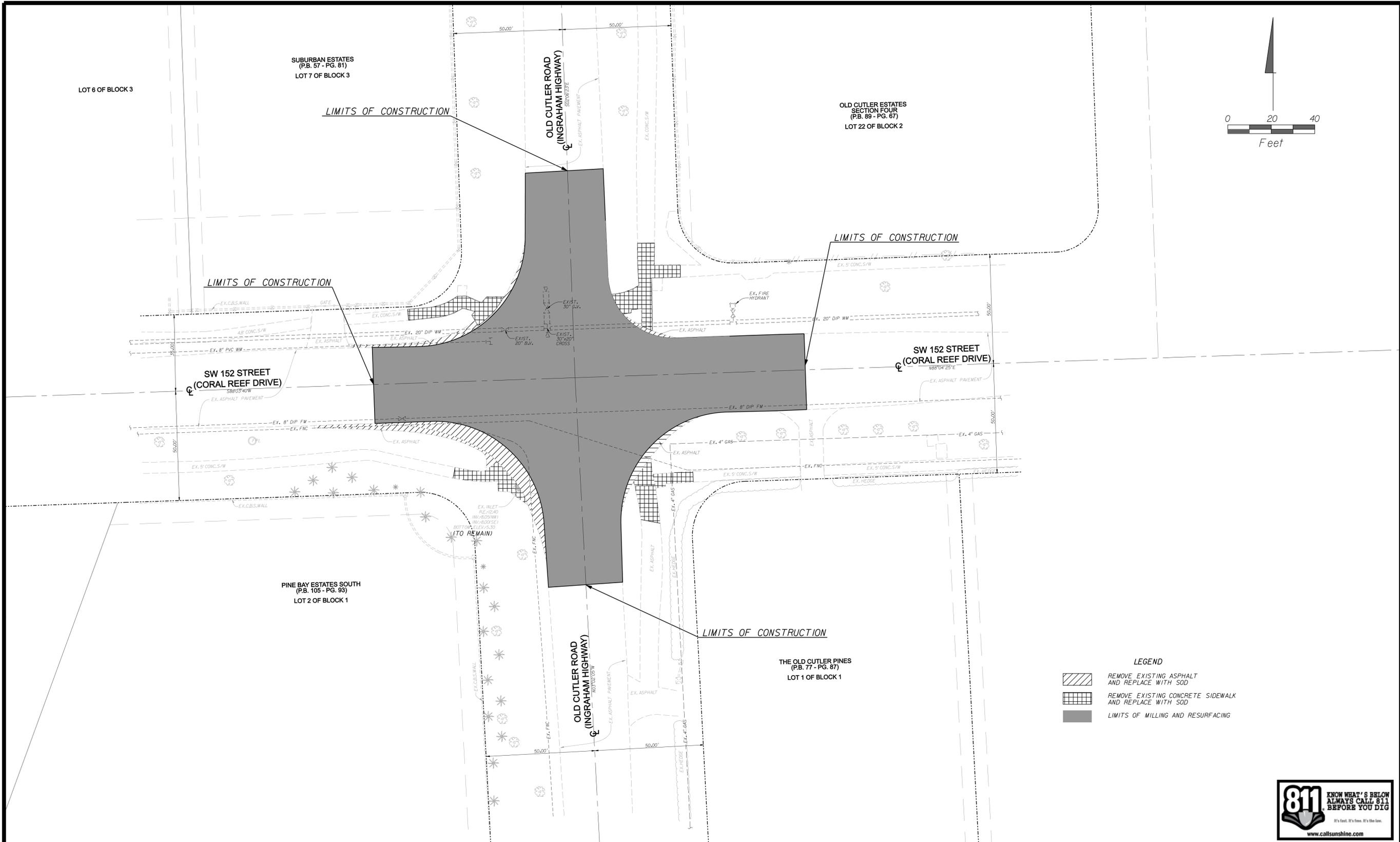
No.	DATE	BY	APPV	REVISION DESCRIPTION	No.	DATE	BY	APPV	REVISION DESCRIPTION
1	3/17/10	MM	SH	MDCPWD - TRAFFIC ENGINEERING DIVISION					

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PEDESTRIAN CROSSWALK IMPROVEMENTS
AT CUTLER ROAD AND SW 152nd STREET
VILLAGE OF PALMETTO BAY, FLORIDA

TYPICAL SECTION AND DETAILS

DESIGNED BY: SH	PROJECT NO.: 090421.00
DRAWN BY: MM	DRAWING NO.: C-1
CHECKED BY: RA	DATE: Feb. 2010
APPVED BY: SH	1 OF 8



LEGEND

- REMOVE EXISTING ASPHALT AND REPLACE WITH SOD
- REMOVE EXISTING CONCRETE SIDEWALK AND REPLACE WITH SOD
- LIMITS OF MILLING AND RESURFACING



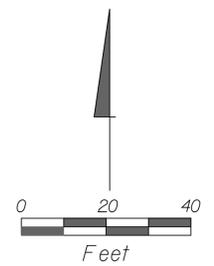
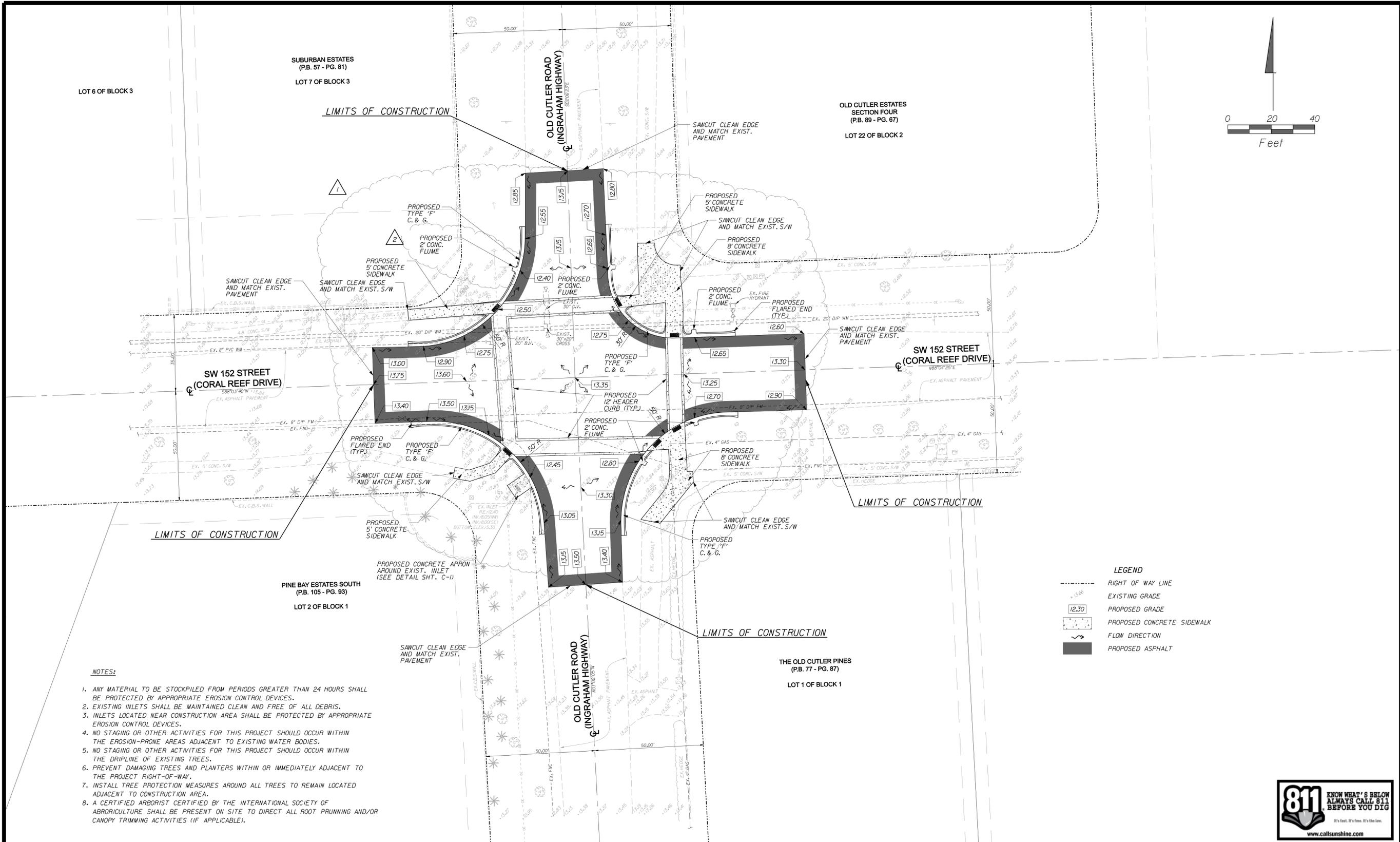
No.	DATE	BY	APPV	REVISION DESCRIPTION

engineering
 7300 North Kendall Drive, Suite 400
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 www.bcceng.com
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**PEDESTRIAN CROSSWALK IMPROVEMENTS
 AT CUTLER ROAD AND SW 152nd STREET
 VILLAGE OF PALMETTO BAY, FLORIDA**

DEMOLITION PLAN

DESIGNED BY:	SH	PROJECT NO.:	090421.00
DRAWN BY:	MM	DRAWING NO.:	C-2
CHECKED BY:	RA	DATE:	Feb. 2010
APPVED BY:	SH		2 OF 8



SUBURBAN ESTATES
(P.B. 57 - PG. 81)
LOT 7 OF BLOCK 3

OLD CUTLER ESTATES
SECTION FOUR
(P.B. 89 - PG. 67)
LOT 22 OF BLOCK 2

SW 152 STREET
(CORAL REEF DRIVE)

SW 152 STREET
(CORAL REEF DRIVE)

PINE BAY ESTATES SOUTH
(P.B. 105 - PG. 93)
LOT 2 OF BLOCK 1

THE OLD CUTLER PINES
(P.B. 77 - PG. 87)
LOT 1 OF BLOCK 1

- NOTES:**
1. ANY MATERIAL TO BE STOCKPILED FROM PERIODS GREATER THAN 24 HOURS SHALL BE PROTECTED BY APPROPRIATE EROSION CONTROL DEVICES.
 2. EXISTING INLETS SHALL BE MAINTAINED CLEAN AND FREE OF ALL DEBRIS.
 3. INLETS LOCATED NEAR CONSTRUCTION AREA SHALL BE PROTECTED BY APPROPRIATE EROSION CONTROL DEVICES.
 4. NO STAGING OR OTHER ACTIVITIES FOR THIS PROJECT SHOULD OCCUR WITHIN THE EROSION-PRONE AREAS ADJACENT TO EXISTING WATER BODIES.
 5. NO STAGING OR OTHER ACTIVITIES FOR THIS PROJECT SHOULD OCCUR WITHIN THE DRIPLINE OF EXISTING TREES.
 6. PREVENT DAMAGING TREES AND PLANTERS WITHIN OR IMMEDIATELY ADJACENT TO THE PROJECT RIGHT-OF-WAY.
 7. INSTALL TREE PROTECTION MEASURES AROUND ALL TREES TO REMAIN LOCATED ADJACENT TO CONSTRUCTION AREA.
 8. A CERTIFIED ARBORIST CERTIFIED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE SHALL BE PRESENT ON SITE TO DIRECT ALL ROOT PRUNNING AND/OR CANOPY TRIMMING ACTIVITIES (IF APPLICABLE).

LEGEND

	RIGHT OF WAY LINE
	EXISTING GRADE
	PROPOSED GRADE
	PROPOSED CONCRETE SIDEWALK
	FLOW DIRECTION
	PROPOSED ASPHALT



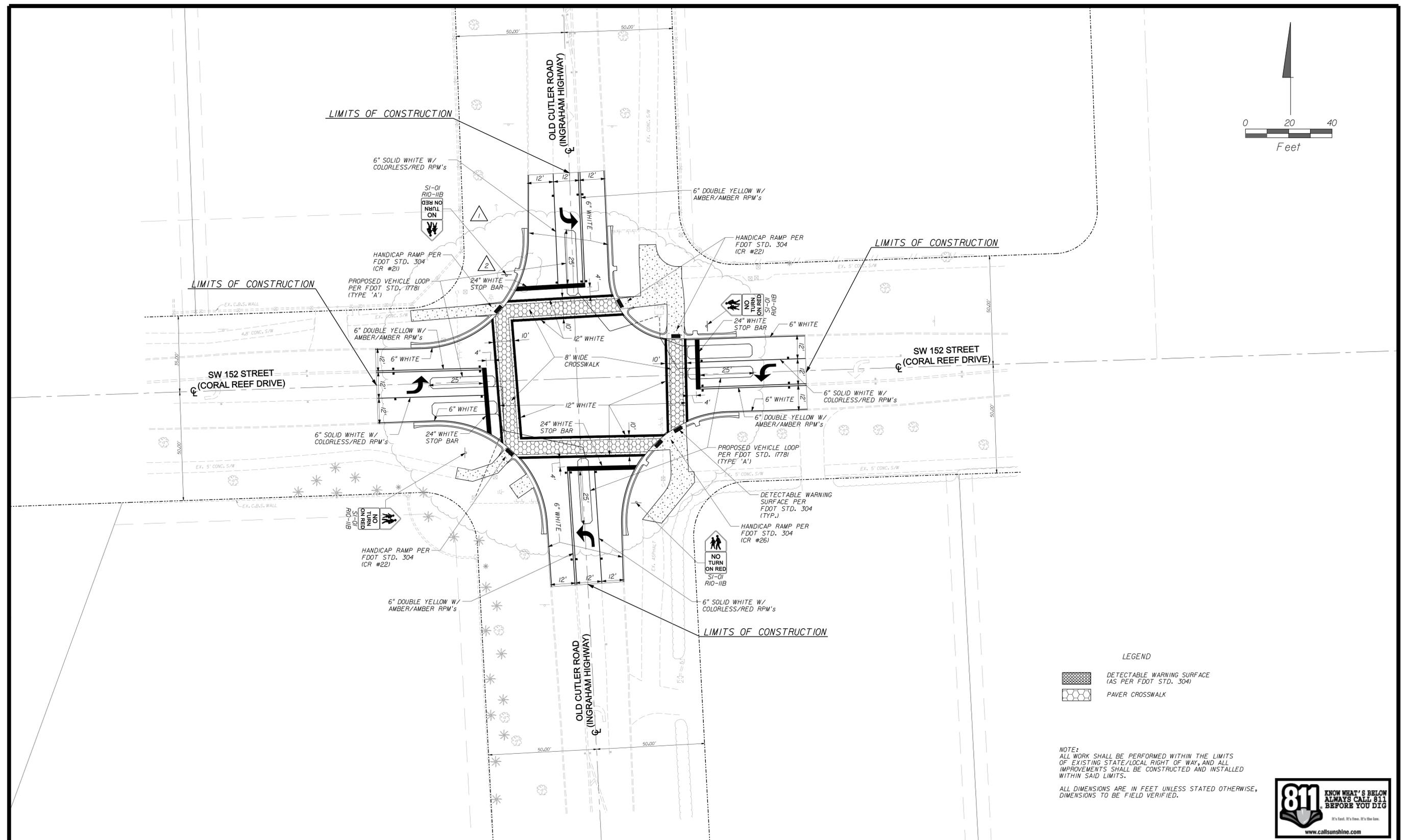
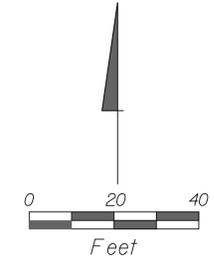
No.	DATE	BY	APPV	REVISION DESCRIPTION
1	3/17/10	MM	SH	MDCPWD - TRAFFIC ENGINEERING DIVISION
2	3/31/10	MM	SH	VILLAGE OF PALMETTO BAY PUBLIC WORKS

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PEDESTRIAN CROSSWALK IMPROVEMENTS
AT CUTLER ROAD AND SW 152nd STREET
VILLAGE OF PALMETTO BAY, FLORIDA

PAVING AND GRADING PLAN

DESIGNED BY:	SH	PROJECT NO.:	09D421.00
DRAWN BY:	MM	DRAWING NO.:	C-4
CHECKED BY:	RA	DATE:	Feb. 2010
APPVED BY:	SH		4 OF 8



LEGEND

DETECTABLE WARNING SURFACE (AS PER FDOT STD. 304)

PAVER CROSSWALK

NOTE:
 ALL WORK SHALL BE PERFORMED WITHIN THE LIMITS OF EXISTING STATE/LOCAL RIGHT OF WAY, AND ALL IMPROVEMENTS SHALL BE CONSTRUCTED AND INSTALLED WITHIN SAID LIMITS.

ALL DIMENSIONS ARE IN FEET UNLESS STATED OTHERWISE, DIMENSIONS TO BE FIELD VERIFIED.



No.	DATE	BY	APPV	REVISION DESCRIPTION
1	3/17/10	MM	SH	MDCPWD - TRAFFIC ENGINEERING DIVISION
2	3/31/10	MM	SH	VILLAGE OF PALMETTO BAY PUBLIC WORKS

engineering

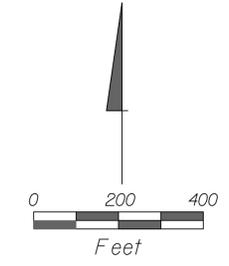
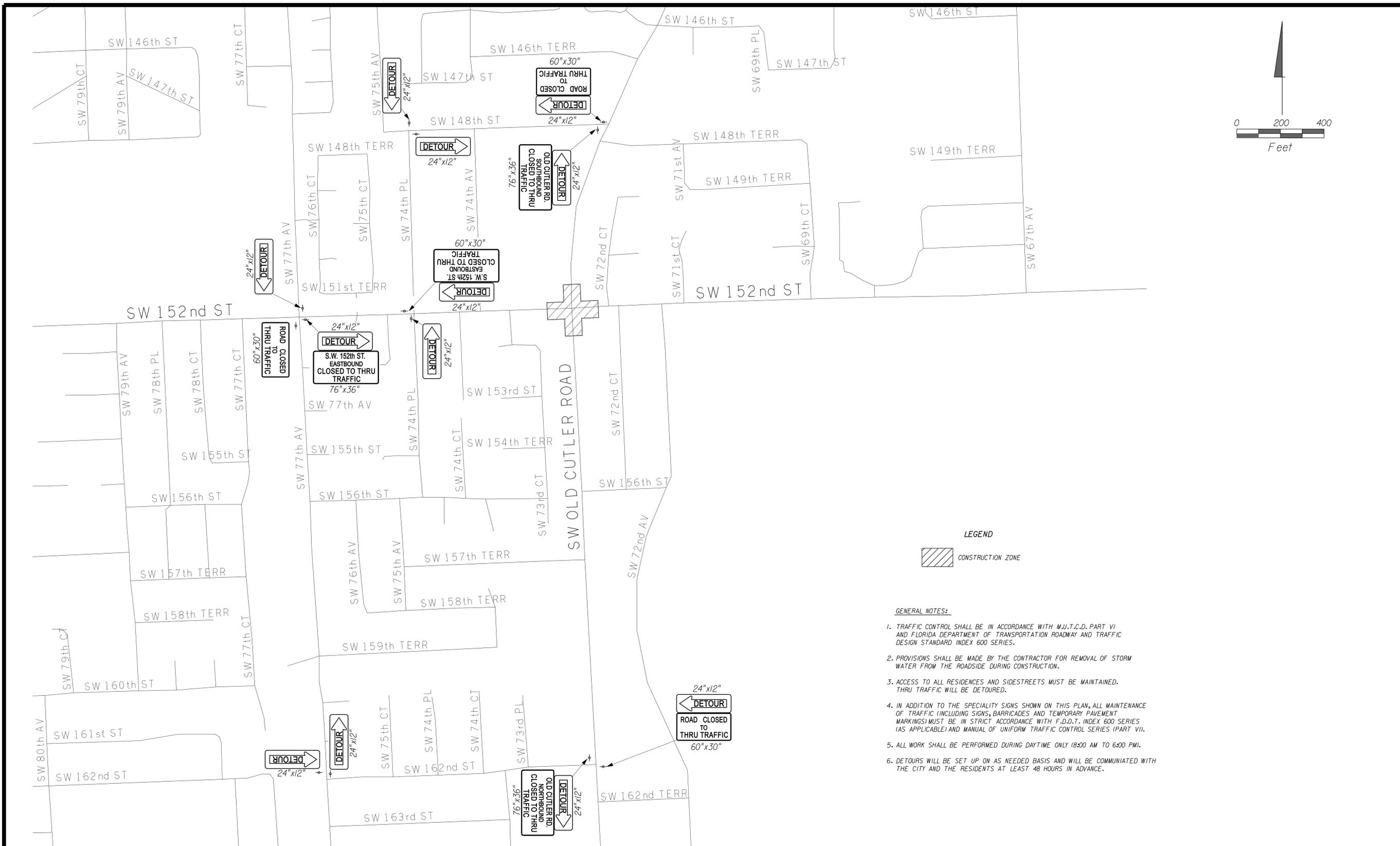
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Certificate of Authorization No. 7184

**PEDESTRIAN CROSSWALK IMPROVEMENTS
 AT CUTLER ROAD AND SW 152nd STREET
 VILLAGE OF PALMETTO BAY, FLORIDA**

**PAVEMENT MARKINGS AND
 SIGNAGE PLAN**

DESIGNED BY:	SH	PROJECT NO.:	09D421.00
DRAWN BY:	MM	DRAWING NO.:	C-5
APPVED BY:	SH	DATE:	Feb. 2010
DATE:	Feb. 2010		5 OF 8



LEGEND
 CONSTRUCTION ZONE

- GENERAL NOTES:**
1. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH M.U.T.C.D. PART VI AND FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARD INDEX 600 SERIES.
 2. PROVISIONS SHALL BE MADE BY THE CONTRACTOR FOR REMOVAL OF STORM WATER FROM THE ROADSIDE DURING CONSTRUCTION.
 3. ACCESS TO ALL RESIDENCES AND SIDESTREETS MUST BE MAINTAINED. THRU TRAFFIC WILL BE DETOURED.
 4. IN ADDITION TO THE SPECIALTY SIGNS SHOWN ON THIS PLAN, ALL MAINTENANCE OF TRAFFIC (INCLUDING SIGNS, BARRICADES AND TEMPORARY PAVEMENT MARKINGS) MUST BE IN STRICT ACCORDANCE WITH F.D.O.T. INDEX 600 SERIES (AS APPLICABLE) AND MANUAL OF UNIFORM TRAFFIC CONTROL SERIES (PART VII).
 5. ALL WORK SHALL BE PERFORMED DURING DAYTIME ONLY (8:00 AM TO 6:00 PM).
 6. DETOURS WILL BE SET UP ON AS NEEDED BASIS AND WILL BE COMMUNICATED WITH THE CITY AND THE RESIDENTS AT LEAST 48 HOURS IN ADVANCE.

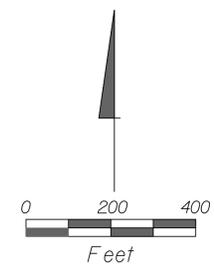
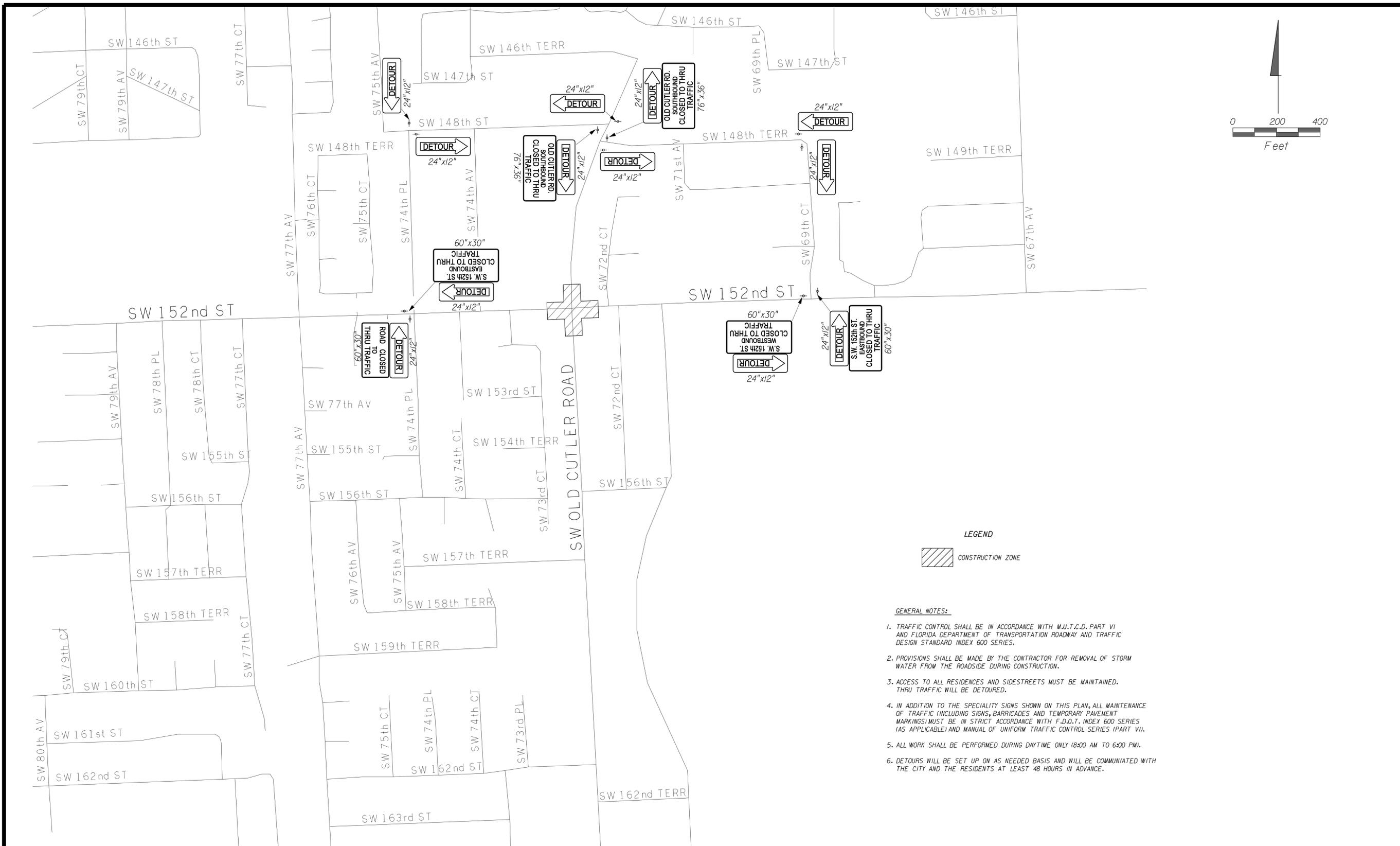
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PEDESTRIAN CROSSWALK IMPROVEMENTS
 AT CUTLER ROAD AND SW 152nd STREET
 VILLAGE OF PALMETTO BAY, FLORIDA

MAINTENANCE OF TRAFFIC
 NORTHBOUND & SOUTHBOUND
 DETOUR OPTIONS

DRWN:	SH	PROJECT NO.	090421.00
CHKD:	RA	DRAWING NO.	C-6
APPV:	SH	DATE:	Feb. 2010
DATE:	Feb. 2010		6 OF 8



LEGEND
 CONSTRUCTION ZONE

- GENERAL NOTES:**
1. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH M.U.T.C.D. PART VI AND FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARD INDEX 600 SERIES.
 2. PROVISIONS SHALL BE MADE BY THE CONTRACTOR FOR REMOVAL OF STORM WATER FROM THE ROADSIDE DURING CONSTRUCTION.
 3. ACCESS TO ALL RESIDENCES AND SIDESTREETS MUST BE MAINTAINED. THRU TRAFFIC WILL BE DETOURED.
 4. IN ADDITION TO THE SPECIALITY SIGNS SHOWN ON THIS PLAN, ALL MAINTENANCE OF TRAFFIC (INCLUDING SIGNS, BARRICADES AND TEMPORARY PAVEMENT MARKINGS) MUST BE IN STRICT ACCORDANCE WITH F.D.O.T. INDEX 600 SERIES (AS APPLICABLE) AND MANUAL OF UNIFORM TRAFFIC CONTROL SERIES (PART VII).
 5. ALL WORK SHALL BE PERFORMED DURING DAYTIME ONLY (8:00 AM TO 6:00 PM).
 6. DETOURS WILL BE SET UP ON AS NEEDED BASIS AND WILL BE COMMUNICATED WITH THE CITY AND THE RESIDENTS AT LEAST 48 HOURS IN ADVANCE.

No.	DATE	BY	APPV	REVISION DESCRIPTION

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PEDESTRIAN CROSSWALK IMPROVEMENTS
 AT CUTLER ROAD AND SW 152nd STREET
 VILLAGE OF PALMETTO BAY, FLORIDA

MAINTENANCE OF TRAFFIC
 EASTBOUND & WESTBOUND
 DETOUR OPTIONS

DESIGNED BY:	SH	PROJECT NO.:	090421.00
DRAWN BY:	MM	DRAWING NO.:	C-7
CHECKED BY:	RA	DATE:	Feb. 2010
APPVED BY:	SH		7 OF 8

I. APPLICABLE CODES

- A. APPLICABLE CODES:**
ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE VILLAGE OF PALMETTO BAY, MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT (MDPWD), SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD), AND ALL OTHER LOCAL AND NATIONAL CODES WHERE APPLICABLE.
- B. CONSTRUCTION SAFETY:**
ALL CONSTRUCTION SHALL BE DONE IN A SAFE MANNER, SPECIFICALLY, THE RULES AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) SHALL BE STRICTLY OBSERVED.
- C. TRENCH SAFETY ACT:**
1. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLIANCE WITH THE STATE OF FLORIDA TRENCH SAFETY ACT.
2. WHERE EXCAVATIONS TO A DEPTH IN EXCESS OF FIVE FEET (5') ARE REQUIRED THE CONTRACTOR SHALL INCLUDE THE FOLLOWING INFORMATION IN THE BID.
a. A REFERENCE TO THE SAFETY STANDARDS THAT WILL BE IN EFFECT DURING THE PERIOD OF CONSTRUCTION OF THE PROJECT.
b. WRITTEN ASSURANCES BY THE CONTRACTOR PERFORMING THE TRENCH EXCAVATION THAT SUCH CONTRACTOR WILL COMPLY WITH THE APPLICABLE TRENCH SAFETY STANDARDS.
c. A SEPARATE ITEM IDENTIFYING THE COST OF COMPLIANCE WITH THE APPLICABLE TRENCH SAFETY STANDARDS.
3. WHERE A BID IS NOT SUBMITTED, THE CONTRACTOR SHALL SUBMIT THE INFORMATION LISTED IN ITEM 2. TO THE ENGINEER PRIOR TO STARTING WORK.
- D. SURVEY DATA:**
ALL ELEVATIONS ON THE PLANS OR REFERENCED IN THE SPECIFICATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD).

II. PRE-CONSTRUCTION RESPONSIBILITY

- A.** UPON RECEIPT OF NOTICE OF AWARD, THE CONTRACTOR SHALL ARRANGE A PRECONSTRUCTION CONFERENCE TO INCLUDE THE VILLAGE OF PALMETTO BAY, THE CORRADINO GROUP, AND THE ENGINEER, AFTER OBTAINING A CONSTRUCTION PERMIT FROM THE ENGINEERING DIVISION.
- B.** THE CONTRACTOR SHALL OBTAIN A "SUNSHINE CERTIFICATION NUMBER" AT LEAST 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION.
- C.** PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE SIZE, LOCATION, ELEVATION, AND MATERIAL OF ALL EXISTING UTILITIES WITHIN THE AREA OF CONSTRUCTION.
- D.** THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ANY EXISTING UTILITIES FOR WHICH CONSTRUCTION OR TO BE OF A SIZE OR MATERIAL DIFFERENT FROM THAT SHOWN ON THE HE IS RESPONSIBLE AS WELL FOR DAMAGE TO ANY EXISTING UTILITIES WHICH ARE PROPERLY LOCATED.
- E.** IF UPON EXCAVATION, AN EXISTING UTILITY IS FOUND TO BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION OR TO BE OF A SIZE OR MATERIAL DIFFERENT FROM THAT SHOWN ON THE PLANS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER, WHO WILL IN TURN NOTIFY THE VILLAGE OF PALMETTO BAY UTILITIES DEPARTMENT.

III. INSPECTIONS

- A.** THE CONTRACTOR SHALL NOTIFY THE VILLAGE OF PALMETTO BAY PUBLIC WORKS DEPARTMENT (305-969-5011), AND THE ENGINEER OF RECORD AT LEAST 24 HOURS PRIOR TO THE INSPECTION OF THE FOLLOWING ITEMS:
1. STORM DRAINAGE.
2. SANITARY SEWER.
3. WATER SYSTEM.
4. SUBGRADE; SUBMIT AND HAVE APPROVED DENSITIES PRIOR TO PLACEMENT OF ROCK.
5. LIMEROCK BASE; SUBMIT AND HAVE APPROVED DENSITIES AND AS-BUILTS PRIOR TO THE PLACEMENT OF ANY ASPHALT.
6. ASPHALTIC CONCRETE.
7. FINAL.
- B.** ALL INSPECTIONS MADE BY VILLAGE OF PALMETTO BAY, THE ENGINEER OF RECORD WILL PROVIDE CONSTRUCTION OBSERVATION SERVICES.

IV. SHOP DRAWINGS

- A.** PRIOR TO ISSUANCE OF A CONSTRUCTION PERMIT, A MATERIAL LIST SHALL BE SUBMITTED TO AND REVIEWED BY THE ENGINEER OF RECORD AND THE VILLAGE OF PALMETTO BAY FOR SANITARY MANHOLES, HYDRANTS, VALVES, PIPING, LIFT STATIONS AND OTHER ACCESSORIES. CATALOGUE LITERATURE SHALL BE SUBMITTED FOR WATER AND SEWER PIPES, FITTINGS AND APPURTENANCES.
- B.** ANY PRODUCT THAT IS NOT ON THIS LIST MUST BE APPROVED IN ADVANCE BY THE ENGINEER OF RECORD AND THE VILLAGE OF PALMETTO BAY ENGINEERING DIVISION. SUCH APPROVAL REQUIRES THE SUBMISSION OF A SHOP DRAWING (SIX COPIES) FOR EACH PRODUCT. SHOP DRAWINGS WILL ALSO BE REQUIRED FOR ALL NON-STANDARD ITEMS.
- C.** INDIVIDUAL SHOP DRAWINGS FOR ALL PRECAST STRUCTURES ARE REQUIRED. CATALOGUE LITERATURE WILL NOT BE ACCEPTED FOR PRECAST STRUCTURES.

V. TEMPORARY FACILITIES

- A. TEMPORARY UTILITIES:**
1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR OR SUPPLY TEMPORARY WATER SERVICE, SANITARY FACILITIES AND ELECTRICITY TO HIS EMPLOYEE AND SUBCONTRACTORS FOR THEIR USE DURING CONSTRUCTION.
2. OBTAIN CONSTRUCTION METER FOR ALL WATER USED ON JOB. ALL WATER USED FOR CLEANING, TESTING, ETC. WILL BE PAID FOR BY THE CONTRACTOR. IF WATER CAN NOT BE METERED THEN IT WILL BE CALCULATED.
- B. TRAFFIC REGULATION:**
1. MAINTENANCE OF TRAFFIC IN THE PUBLIC RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE MUTCD AND BCTED.
2. ALL OPEN TRENCHES AND HOLES ADJACENT TO ROADWAYS OR WALKWAYS SHALL BE MARKED AND BARRICADED TO ASSURE THE SAFETY OF BOTH VEHICULAR AND PEDESTRIAN TRAFFIC.
3. NO TRENCHES OR HOLES NEAR WALKWAYS OR IN ROADWAYS OR THEIR SHOULDERS ARE TO BE LEFT OPEN DURING NIGHTTIME HOURS WITHOUT EXPRESS PERMISSION OF THE VILLAGE OF PALMETTO BAY.

VI. PROJECT CLOSE OUT

- A. CLEANING UP:**
1. DURING CONSTRUCTION, THE PROJECT SITE AND ALL ADJACENT AREAS SHALL BE MAINTAINED IN A NEAT AND CLEAN MANNER. UPON FINAL CLEAN UP, THE PROJECT SITE SHALL BE LEFT CLEAR OF ALL SURPLUS MATERIAL OR TRASH. THE PAVED AREAS SHALL BE SWEEPED BROOM CLEAN.
2. THE CONTRACTOR SHALL RESTORE OR REPLACE, WHEN AND AS DIRECTED BY THE ENGINEER OR THE VILLAGE OF PALMETTO BAY, ANY PUBLIC OR PRIVATE PROPERTY DAMAGED BY HIS WORK, EQUIPMENT, EMPLOYEES OR THOSE OF HIS SUBCONTRACTORS TO A CONDITION AT LEAST EQUAL TO THAT EXISTING IMMEDIATELY PRIOR TO THE BEGINNING OF OPERATIONS. TO THIS END, THE CONTRACTOR SHALL DO AS REQUIRED, ALL NECESSARY HIGHWAY OR DRIVEWAY, SIDEWALK AND LANDSCAPING WORK. SUITABLE MATERIALS AND METHODS SHALL BE USED FOR SUCH RESTORATION.
3. WHERE MATERIAL OR DEBRIS HAS WASHED OR FLOWED INTO OR BEEN PLACED IN WATERWAY COURSES, GRAVITY SEWER, DITCHES, DRAINS, CATCH BASINS, OR ELSEWHERE AS A RESULT OF THE CONTRACTOR'S OPERATIONS, SUCH MATERIAL OR DEBRIS SHALL BE REMOVED AND SATISFACTORILY DISPOSED OF DURING PROGRESS OF THE WORK, AND THE AREA KEPT IN A CLEAN AND NEAT CONDITION.
4. WHEN WORKING IN AND AROUND EXISTING DRAINAGE CANALS, APPROPRIATE SILT BARRIERS SHALL BE INSTALLED AS REQUIRED BY SOUTH FLORIDA WATER MANAGEMENT DISTRICT.
- B. PROJECT RECORD DOCUMENTS:**
1. THE CONTRACTOR SHALL MAINTAIN ACCURATE AND COMPLETE RECORDS OF ALL WORK ITEMS COMPLETED.
2. ALL "AS-BUILT" INFORMATION SUBMITTED TO THE ENGINEER SHALL BE SUFFICIENTLY ACCURATE, CLEAR AND LEGIBLE TO SATISFY THE ENGINEER THAT THE INFORMATION PROVIDED A TRUE REPRESENTATION OF THE IMPROVEMENTS CONSTRUCTED.
3. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER OF RECORD ONE COMPLETE SET OF "AS-BUILT" CONSTRUCTION DRAWINGS.
4. ALL "AS-BUILT" INFORMATION ON ELEVATIONS, STATIONING OFFSETS AND TIES OF THE WATER, SANITARY SEWER, PAVING AND DRAINAGE SHALL BE CERTIFIED BY A REGISTERED LAND SURVEYOR.
5. "AS-BUILT" INFORMATION ON THE WATER SYSTEM SHALL INCLUDE, BUT IS NOT LIMITED TO LOCATIONS OF ALL VALVES, FITTINGS, FIRE HYDRANTS AND WATER SERVICES AND TOP-OF-PIPE ELEVATION ON 100-FOOT INTERVALS AT A MINIMUM.
6. PRIOR TO A FINAL INSPECTION BY THE VILLAGE OF PALMETTO BAY, THE ENGINEER SHALL SUBMIT TWO (2) SETS OF BLUEPRINTS OF "AS-BUILT" CONSTRUCTION DRAWINGS.
7. UPON A FINAL INSPECTION BY THE VILLAGE OF PALMETTO BAY, THE ENGINEER SHALL SUBMIT TO THE CITY ONE (1) COMPLETE SET OF REPRODUCIBLE MYLARS AND THREE (3) SETS OF BLUEPRINTS OF "AS-BUILT" CONSTRUCTION DRAWINGS THAT HAVE BEEN CERTIFIED BY A REGISTERED LAND SURVEYOR AND THE ENGINEER OF RECORD AND COMPUTER FILES OF "AS-BUILT" CONSTRUCTION DRAWINGS ON COMPACT DISK (CD) IN AUTOCAD RELEASE 14 FORMAT OR LATEST REVISION.
8. PRIOR TO PLACEMENT OF ANY ASPHALT OR CONCRETE PAVEMENT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER "AS-BUILT" PLANS SHOWING LIMEROCK BASE GRADES AND ALL DRAINAGE, WATER, AND SEWER IMPROVEMENTS. PAVING OPERATIONS SHALL NOT COMMENCE UNTIL THE ENGINEER AND THE VILLAGE OF PALMETTO BAY HAVE REVIEWED AND APPROVED THE "AS-BUILTS".
9. ALL REQUIRED DENSITY AND LBR TEST RESULTS FOR SUBGRADE SHALL BE PROVIDED TO AND APPROVED BY THE ENGINEER AND THE VILLAGE OF PALMETTO BAY PRIOR TO THE PLACING THE LIMEROCK BASE MATERIAL.
10. ALL REQUIRED DENSITY AND LBR TEST RESULTS FOR LIMEROCK SHALL BE PROVIDED TO AND APPROVED BY THE ENGINEER AND THE VILLAGE OF PALMETTO BAY PRIOR TO PLACING ASPHALT.

VII. EARTHWORK AND COMPACTION

- A. GENERAL:**
1. NONE OF THE EXISTING MATERIAL IS TO BE INCORPORATED IN THE LIMEROCK BASE.
2. ALL SUBGRADE UNDER PAVED AREAS SHALL HAVE A MINIMUM LBR VALUE OF 40 AND AND SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
3. ALL FILL MATERIAL IN AREAS NOT TO BE PAVED SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
4. A 2" BLANKET OF TOP SOIL SHALL BE PLACED OVER ALL AREAS TO BE SODDED.
5. SOD SHALL BE ST. AUGUSTINE, BITTER BLUE OR FLORATAM AND SHALL BE PLACED ON THE GRADED TOP SOIL AND WATERED TO INSURE SATISFACTORY CONDITION UPON FINAL ACCEPTANCE OF THE PROJECT.
6. WHEN WORKING IN AND AROUND EXISTING DRAINAGE CANALS OR LAKES, APPROPRIATE SILT BARRIERS SHALL BE INSTALLED.
- B. ON-SITE:**
1. ALL ORGANIC AND OTHER UNSUITABLE MATERIAL WITHIN THREE FEET OF AREAS TO BE PAVED SHALL BE REMOVED.
2. SUITABLE BACKFILL SHALL BE MINIMUM LBR 40 MATERIAL COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180 FOR THREE (3) FEET BEYOND THE PERIMETER OF THE PAVING.

VIII. PAVING

- A. GENERAL:**
1. ALL UNDERGROUND UTILITIES SHALL BE COMPLETED PRIOR TO THE CONSTRUCTION OF LIMEROCK BASE AND PRIOR TO PLACEMENT OF THE PAVEMENT.
2. ALL EXISTING PAVEMENT CUT OR DAMAGED BY CONSTRUCTION SHALL BE PROPERLY RESTORED AT THE CONTRACTOR'S EXPENSE.
3. WHERE PROPOSED PAVEMENT IS TO BE CONNECTED TO EXISTING PAVEMENT, THE EXISTING EDGE OF PAVEMENT SHALL BE SAW CUT.
4. ALL STREET CORNER PAVEMENT RADII SHALL BE 25 FEET UNLESS OTHERWISE NOTED ON THE PLANS.
5. UPON COMPLETION OF DRAINAGE IMPROVEMENTS AND LIMEROCK BASE CONSTRUCTION (AND BEFORE PLACING ASPHALT PAVEMENT) THE CONTRACTOR SHALL FURNISH THE ENGINEER OF RECORD AND THE VILLAGE OF PALMETTO BAY "AS-BUILT" PLANS FOR THESE IMPROVEMENTS, SHOWING THE LOCATIONS AND THE PERTINENT GRADES OF ALL DRAINAGE INSTALLATIONS AND THE FINISHED ROCK GRADES OF THE ROAD CROWN AND EDGE OF PAVEMENT AT 50 FEET INTERVALS. THESE "AS-BUILTS" SHALL BE APPROVED BY THE CITY PRIOR TO THE PLACEMENT OF ASPHALT.
- B. MATERIALS:**
1. BASE COURSE SHALL BE CRUSHED LIMEROCK MIAMI OOLITE WITH A MINIMUM OF 70% CARBONATES OF CALCIUM AND MAGNESIUM (60% FOR LOCAL STREETS AND PARKING AREAS) AND A MINIMUM LIMEROCK BEARING RATIO 100.
2. PRIME COAT AND TACK COAT SHALL MEET F.D.O.T. STANDARDS.
3. SURFACE COURSE SHALL BE EQUAL TO F.D.O.T. TYPE S-3 ASPHALT.
4. REINFORCED CONCRETE SLABS SHALL BE CONSTRUCTED OF CLASS I CONCRETE WITH A MINIMUM STRENGTH OF 3,000 PSI AND SHALL BE REINFORCED WITH A 6"x6" No. 6 GAUGE WIRE MESH.
- C. INSTALLATION:**
1. LIMEROCK BASE MATERIAL SHALL BE 8 INCHES THICK AND SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T80-C.
2. LIMEROCK BASE MATERIAL SHALL BE PLACED IN MAXIMUM 6" LIFTS. BASES GREATER THAN 6" SHALL BE PLACED IN TWO OR MORE EQUAL LIFTS.
3. ASPHALTIC CONCRETE SHALL BE A MINIMUM OF 1 1/2" THICK AND SHALL BE PLACED TWO 3/4" LIFTS. (NOTE: SECOND LIFT TO BE PLACED AFTER A MINIMUM OF 80% OF THE HOUSES HAVE BEEN COMPLETED OR AS DIRECTED BY THE CITY ENGINEER.)
4. PRIME COAT SHALL BE PLACED ON ALL LIMEROCK BASES IN ACCORDANCE WITH F.D.O.T. STANDARDS.
5. TACK COAT SHALL BE PLACED AS REQUIRED IN ACCORDANCE WITH F.D.O.T. STANDARDS.
- D. TESTING:**
1. ALL SUBGRADE, LIMEROCK AND ASPHALT TESTS REQUIRED SHALL BE TAKEN AT THE DIRECTION OF THE ENGINEER AND/OR THE VILLAGE OF PALMETTO BAY.
2. THE FINISHED SURFACE OF THE BASE COURSE AND THAT OF THE WEARING SURFACE SHALL NOT VARY MORE THAN 1/4" FROM THE TEMPLATE. ANY IRREGULARITIES EXCEEDING THIS LIMIT SHALL BE CORRECTED.
3. DENSITY TESTS SHALL BE TAKEN BY AN INDEPENDENT TESTING LABORATORY, CERTIFIED BY THE STATE OF FLORIDA, AND TAKEN AS DIRECTED BY THE ENGINEER AND THE VILLAGE OF PALMETTO BAY.
4. ALL TESTING COSTS (PAVING) SHALL BE PAID FOR BY THE OWNER EXCEPT THOSE TESTS FAILING TO MEET THE SPECIFIED REQUIREMENTS, WHICH ARE TO BE PAID BY THE CONTRACTOR.

IX. SIGNING AND MARKING

- A.** ALL PAVEMENT MARKINGS SHALL BE TRAFFIC PAINT MANUFACTURED AND APPLIED IN ACCORDANCE WITH F.D.O.T. STANDARD SPECIFICATION'S AND MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT'S STANDARDS WHERE APPLICABLE.
- B.** ALL SIGNS SHALL BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT'S STANDARDS.
- C.** REFLECTIVE PAVEMENT MARKERS SHALL BE CLASS B MARKERS MANUFACTURED IN ACCORDANCE WITH F.D.O.T. STANDARD SPECIFICATION'S 706 AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED PROCEDURES.

No.	DATE	BY	APPV	REVISION DESCRIPTION	No.	DATE	BY	APPV	REVISION DESCRIPTION
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PEDESTRIAN CROSSWALK IMPROVEMENTS
AT CUTLER ROAD AND SW 152nd STREET
VILLAGE OF PALMETTO BAY, FLORIDA

GENERAL NOTES

DESIGNED BY:	SH	PROJECT NO.	090421.00
DRAWN BY:	MM	DRAWING NO.	C-8
CHECKED BY:	RA	DATE:	Feb. 2010
APPVED BY:	SH		8 OF 8