## **CONSTRUCTION PLANS**

OR

# TRAFFIC CIRCLE AT ANDERSON ROAD AND UNIVERSITY DRIVE

CITY OF CORAL GABLES, FLORIDA

## INDEX OF PLANS

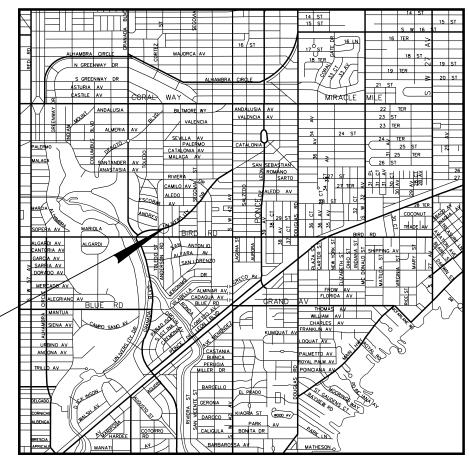
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#### PROJECT LOCATION

GOVERNING STANDARDS AND SPECIFICATIONS: FLORIDA DEPARTMENT OF TRANSPORTATION, DESIGN STANDARDS FY 2016-17, AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED JULY 2016, AS AMENDED BY CONTRACT DOCUMENTS.

### CITY OF CORAL GABLES COMMISSIONERS

RAUL VALDES-FAULI - MAYOR FRANK C. QUESADA - VICE MAYOR VINCE C. LAGO - COMMISSIONER MICHAEL MENA - COMMISSIONER PATRICIA KEON - COMMISSIONER



PREPARED FOR: CITY OF CORAL GABLES



DAVID PLUMMER & ASSOCIATES, Inc. 1750 Ponce de Leon Boulevard Coral Gables, Florida 33134

PREPARED BY:

EB 2690



CALL 2 FULL BUSINESS DAYS
BEFORE YOU DIG IN FLORIDA

Know what's below.
Call before you dig.

"THIS PLAN WAS PREPARED UNDER MY DIRECTION AND TO THE BEST OF MY KNOWLEDGE AND BELIEF COMPLIES WITH THE INTENT OF THE MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS, AS ADOPTED BY THE STATE OF FLORIDA LEGISLATURE. CHAPTER 72-328 F.S."

APPROVED	BY:	
		DATE:
		DATE.

P.E. NO.:\_\_\_

ISSUING DATE: 06/05/18

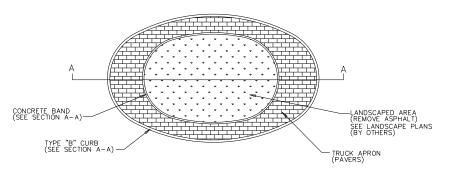
#### GENERAL NOTES

- 1. BENCH MARK (B.M.) DATA IS NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD-29).
- 2. ALL PUBLIC LAND CORNERS AND MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED BY CONTRACTOR AS FOLLOWS: CORNERS AND MONUMENTS IN CONFLICT WITH THE WORK 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 BEGINNING WORK AT THAT SITE. THE CONTRACTOR SHALL RETAIN THE LAND SURVEYOR TO REFERENCE, AND RESTORE UPON COMPLETION OF THE WORK, ALL SUCH CORNERS AND MONUMENTS AND SHALL FURNISH TO THE CITY OF CORAL GABLES A SIGNED AND SEALED COPY OF THE LAND SURVEYOR'S REFERENCE DRAWING.
- 3. ANY N.G.V.D. BENCH MARK MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED AND PROPERLY REFERENCED BY A REGISTERED LAND SURVEYOR IN ACCORDANCE WITH THE MINIMUM TECHNICAL STANDARDS OF THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS PRIOR TO BEGINNING WORK AT THE SITE. IF ANY MONUMENT IS IN DANGER OF DAMAGE, THE PROJECT ENGINEER SHALL NOTIFY RON TAYLOR, FLORIDA DEPT. OF NATURAL RESOURCES BUREAU OF SURVEYING AND MAPPING, 3900 COMMONWEALTH BLVD., MAIL STATION 105, TALLAHASSEE, FLORIDA 32399-3000, TELEPHONE (850) 488-2427.
- 4. GRADES SHOWN ARE FINISHED GRADES. ELEVATIONS ARE TO EDGE OF PAVEMENT AT CURB AND GUTTER LOCATIONS. ELEVATIONS ARE TO BOTTOM OF CURB AT CURB LOCATIONS. ALL STATIONS AND OFFSETS ARE REFERENCED TO THE PROPOSED CENTERLINE OR BASELINE OF SURVEY.
- 5. ALL RADII AND OFFSETS ARE TO EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- 6. ALL EXISTING FEATURES ADJACENT TO THE RIGHT-OF-WAY THAT ARE IMPACTED BY THIS CONSTRUCTION SHALL BE REPAIRED / RESET AS REQUIRED.
- 7. SODDING TO BE USED AT LOCATIONS WHERE EXISTING LAWNS ARE DISTURBED.
- 8. ALL DISPOSAL OF MATERIALS, RUBBISH AND DEBRIS SHALL BE MADE AT A LEGAL DISPOSAL SITE OR BY OTHER PRIOR APPROVED MANNER. MATERIAL CLEARED FROM THE SITE AND DEPOSITED ON ADJACENT AND / OR NEARBY PROPERTY WILL NOT BE CONSIDERED AS HAVING BEEN DISPOSED OF SATISFACTORILY.
- 9. CONTRACTOR SHALL PROVIDE TEMPORARY DRIVEWAY CONNECTION ACCESS AS REQUIRED.
- 10. ALL TREES NOT AFFECTED BY GRADING ARE TO REMAIN, UNLESS OTHERWISE INDICATED.
- 11. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING EXISTING AND NEW INLETS CLEAN OF MILLING MATERIAL, LIMEROCK, DEBRIS, ETC. DURING THE CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER. ALL LINES AND STRUCTURES SHALL BE CLEANED PRIOR TO FINAL INSPECTION AND ACCEPTANCE.
- 12. THE CONTRACTOR SHALL PREPARE AN EROSION CONTROL PLAN AND APPLY TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION FOR THE NPDES GENERAL CONSTRUCTION PERMIT PRIOR TO CONSTRUCTION.
- 13. ALL EXISTING UTILITIES ARE TO REMAIN UNLESS OTHERWISE NOTED.
- 14. TWO FULL BUSINESS DAYS PRIOR TO DIGGING THE CONTRACTOR SHALL CALL SUNSHINE STATE ONE CALL OF FLORIDA, TELEPHONE NUMBER 811, AND THE UTILITY OWNER AND REQUEST UTILITY LOCATIONS. A CONTRACTOR'S REPRESENTATIVE MUST BE PRESENT WHEN UTILITY COMPANIES LOCATE THEIR FACILITIES.
- 15. UTILITY INFORMATION HAS NOT BEEN VERIFIED HORIZONTALLY OR VERTICALLY. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ANY CONFLICTS WITH UTILITIES.
- 16. EXISTING UTILITIES OTHER THAN THOSE INDICATED IN THESE DRAWINGS MAY BE PRESENT. THE CONTRACTOR IS WARNED TO PROCEED WITH CAUTION. CONTRACTOR IS TO INVESTIGATE ALL POSSIBLE UNMARKED UTILITIES.
- 17. EXISTING UTILITIES ARE TO BE PROTECTED BY THE CONTRACTOR. ANY UTILITIES DAMAGED BY THE CONTRACTOR WILL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- 18. CONTRACTOR IS RESPONSIBLE TO DETERMINE THE LOCATION, CHARACTER AND DEPTH OF EXISTING UTILITIES. THE CONTRACTOR SHALL ASSIST THE UTILITY COMPANIES BY EVERY MEANS POSSIBLE TO DETERMINE SAID LOCATIONS AND THE LOCATIONS OF RECENT ADDITIONS TO THE SYSTEMS NOT SHOWN. EXTREME CAUTION SHOULD BE EXERCISED BY THE CONTRACTOR TO ELIMINATE ANY POSSIBILITY OF DAMAGE TO UTILITIES DURING CONSTRUCTION. THE LOCATION OF ALL UTILITIES SHALL BE VERIFIED AND THE PROJECT REPRESENTATIVE NOTIFIED OF ANY CONFLICT WHICH MIGHT OCCUR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING WHICH CONDITIONS WILL NEED SHORING DURING EXCAVATION AND SHALL PROVIDE SUCH SHORING AND SUPPORT AS IS REQUIRED.
- 19. THE CONTRACTOR SHALL MAKE A THOROUGH INVESTIGATION OF THE SITE IN ORDER TO FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS.
- 20. THE CONTRACTOR IS ADVISED THAT PROPERTIES ADJACENT TO THE PROJECT HAVE ELECTRIC, TELEPHONE, GAS, WATER AND/OR SEWER SERVICE LATERALS WHICH MAY NOT BE SHOWN IN PLANS. THE CONTRACTOR MUST REQUEST THE LOCATION OF THESE LATERAL SERVICES FROM THE UTILITY COMPANIES.

- 21. PRE-TRENCHING IN THE ALIGNMENT AND GRADE OF PROPOSED PIPES, STRUCTURES, AND/OR SUB-GRADE SHALL BE PERFORMED SEVEN DAYS IN ADVANCE OF ITS CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE UNDERGROUND UTILITY OWNERS AND THE PROJECT REPRESENTATIVE WITH A SEVEN DAYS ADVANCE NOTICE OF ANY CONFLICT WITH PROPOSED CONSTRUCTION. THIS NOTIFICATION SHALL PROVIDE SURVEY INFORMATION ABOUT EXISTING UTILITY ALIGNMENT, GRADE AND POSSIBLE CONFLICTS.
- 22. KNOWN UTILITIES IN THE PROJECT LIMITS INCLUDE, BUT ARE NOT LIMITED TO:

TELEPHONE NO. COMPANIES 954-447-8405 COMCAST CABLE CITY OF CORAL GABLES SEWER & STORM WATER UTILITIES 305 - 460 - 5000305-835-3650 FLORIDA CITY GAS DADE COUNTY PUBLIC WORKS AND TRAFFIC 305-412-0891 EXT 201 FLORIDA POWER & LIGHT 800-868-9554 MIAMI-DADE WATER&SEWER 786-268-5320 305-222-8745 AT&T / DISTRIBUTION





TRAFFIC CIRCLE DETAIL

#### MILLING AND RESURFACING

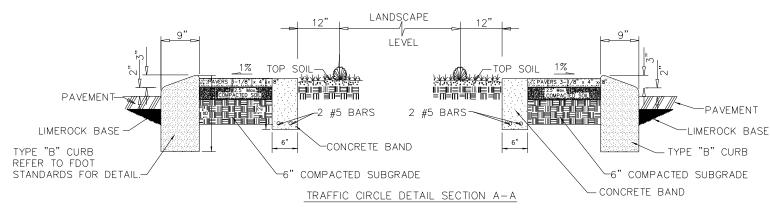
MILL EXISTING ASPHALT CONCRETE PAVEMENT (1" AVERAGE DEPTH) AND RESURFACE WITH FC-9.5 FRICTION COURSE (1" THICK).

#### WIDENING

2" ASPHALT CONCRETE SURFACE (TYPE SP-9.5) AND TYPE FC-9.5 FRICTION COURSE (1" THICK) WITH 8" LIMEROCK BASE AND 12" STABILIZED SUBGRADE (CBR=30)

#### OVERBUILD

TYPE SP OVERBUILD (THICKNESS VARIES)



#### NOTES:

ROJECT

- 1. COLOR SAMPLES AND SPECIFICATIONS OF THE PAVERS SHALL BE SUBMITTED TO THE CITY OF CORAL GABLES FOR APPROVAL PRIOR TO INSTALLATION.
- ALL CONCRETE SHALL BE CORAL GABLES BEIGE.



CORAL GABLES

DAVID PLUMMER & ASSOCIATES, INC

GABLES
FORT MYER
F750 PONCE DE LEON BLVD. CORAL GABLES FL 33134 TELEPHONE (305) 447-0900

CERTIFICATE OF AUTHORIZATION FB 2690

REVISIONS:

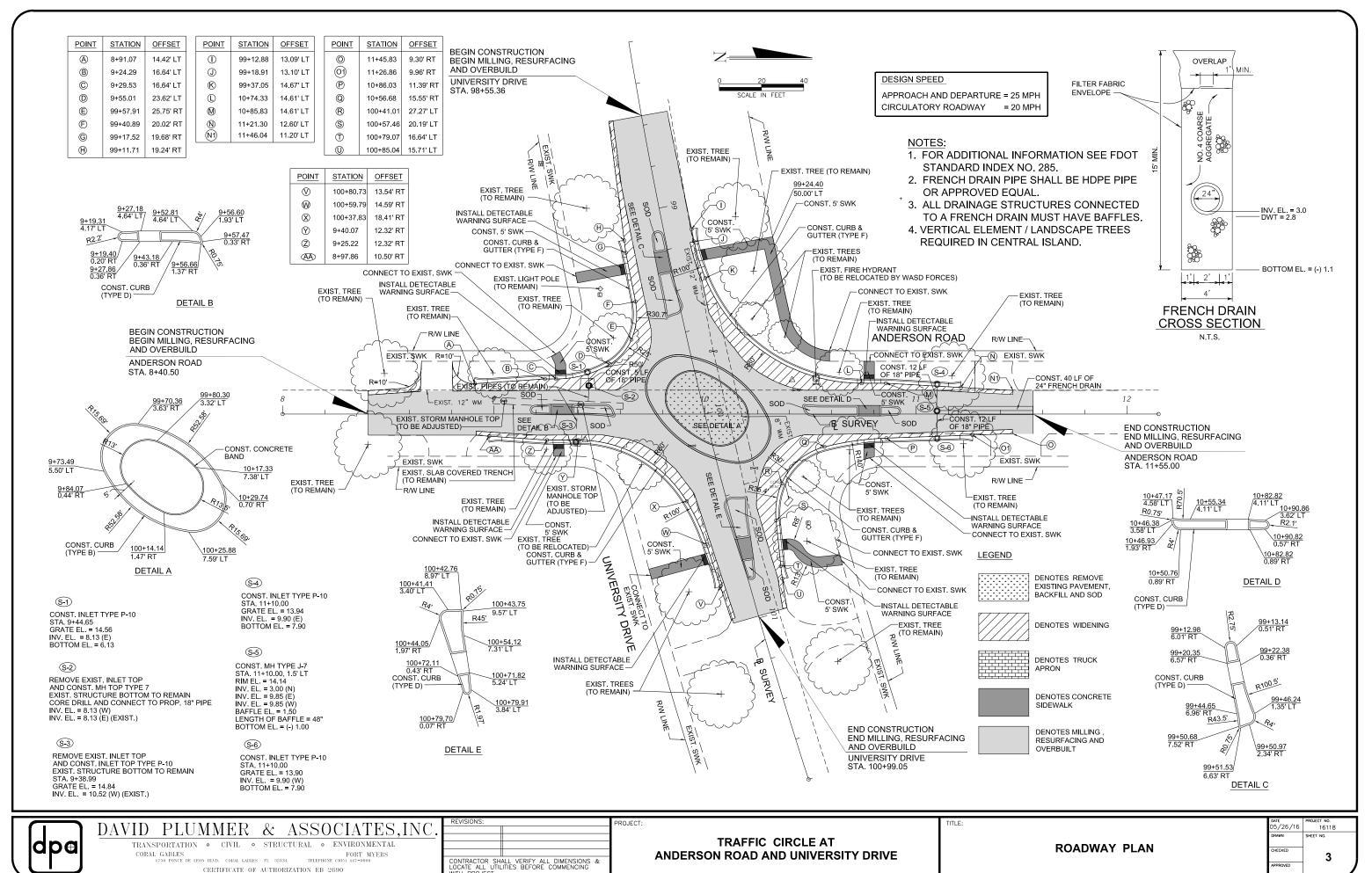
CONTRACTOR SHALL VERIFY ALL DIMENSIONS & LOCATE ALL UTILITIES BEFORE COMMENCING WITH PROJECT.

TRAFFIC CIRCLE AT ANDERSON ROAD AND UNIVERSITY DRIVE

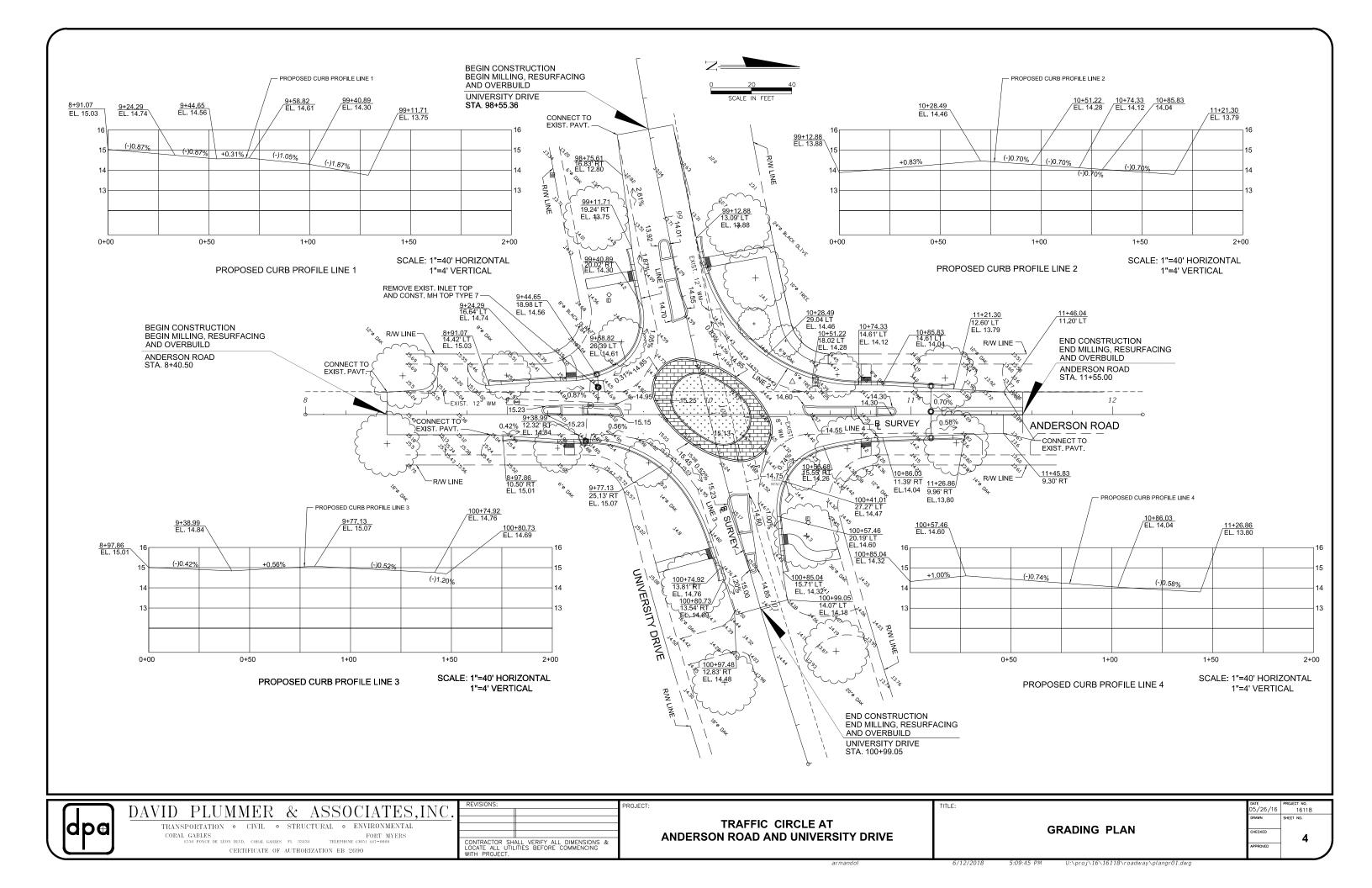
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GENERAL NOTES AND DETAILS

DATE | PROJECT NO. | 05/26/16 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118 | 16118



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#### GENERAL:

- 1. TRAFFIC CONTROLS SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE FLORIDA DOT DESIGN STANDARDS (600 SERIES), THE STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AS MINIMUM CRITERIA.
- 2. THE CONTRACTOR SHALL IMMEDIATELY REPAIR ALL POTHOLES THAT DEVELOP WITHIN THE PROJECT LIMITS AND WILL MAINTAIN A SUPPLY OF COLD MIX ON THE PROJECT SITE TO EXPEDITE THOSE REPAIRS. COST OF REPAIR TO BE INCLUDED IN PAY ITEM MAINTENANCE OF TRAFFIC.
- 3. NOTIFICATION OF TEMPORARY DETOURS SHALL BE ACCOMPLISHED 14 WORKING DAYS PRIOR TO DETOUR OR MOT PHASE CHANGE BY SUBMITTING THE REQUIRED FORM, SKETCHES, CALCULATIONS, AND OTHER DATA THROUGH THE ENGINEER.
- 4. 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.
- 5. ALL WORK SHALL BE PERFORMED DURING DAYTIME ONLY 7:30 AM TO 7:00 PM - MONDAY THROUGH FRIDAY 9:00 AM TO 5:00 PM - SATURDAY
- 6. REGULATORY SPEED ESTABLISHED WITHIN WORK ZONE TRAVEL WAYS SHALL BE - ANDERSON ROAD = 15 M.P.H. - UNIVERSITY DRIVE = 15 M.P.H.
- 7. AS DETERMINED BY THE ENGINEER. THE CONTRACTOR SHALL COVER WORK ZONE SIGNS WHEN CONDITIONS NO LONGER WARRANT THEIR USE. COST OF COVERING AND UNCOVERING THE SIGNS SHALL BE INCLUDED IN PAY ITEM MAINTENANCE OF TRAFFIC.
- 8. 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 REMOVING, RELOCATING, COVERING AND RESTORING THE SIGNS SHALL BE INCLUDED IN PAY ITEM MAINTENANCE OF TRAFFIC.
- 9. EACH EXISTING STREET NAME AND STOP SIGN SHALL BE MAINTAINED BY THE CONTRACTOR AS LONG AS DEEMED NECESSARY BY THE CITY OF CORAL GABLES.
- 10. CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE REMOVAL OF STORM WATER FROM ROADWAYS UTILIZED FOR MAINTAINING TRAFFIC IN A MANNER APPROVED BY THE ENGINEER. COST FOR REMOVING THE WATER SHALL BE INCLUDED IN PAY ITEM MAINTENANCE OF TRAFFIC.

#### DROP OFFS:

11. FOR DROP OFFS, THE CONTRACTOR'S ATTENTION IS DIRECTED TO STANDARD INDEX NO. 600, SHEET 10. THE CONTRACTOR SHALL USE SHOULDER TREATMENT DETAIL WHEN NO BARRIERS ARE REQUIRED IN THE PLANS.

- 12. COST OF REMOVAL OF WORK ZONE PAVEMENT MARKINGS (INCLUDING PAINT, REMOVABLE TAPE AND MARKERS), REGARDLESS OF METHOD, TO BE INCLUDED IN THE RELATED PAVEMENT MARKING/MARKERS PAY ITEMS. COST OF REMOVAL OF PAVEMENT MARKINGS AND MARKERS, EXISTING PRIOR TO CONSTRUCTION, TO BE INCLUDED IN MAINTENANCE OF TRAFFIC, LS. USE OF BLACK PAINT TO COVER EXISTING AND/OR TEMPORARY PAVEMENT MARKINGS IS PROHIBITED. GRINDING OR MILLING SHALL ONLY BE PERMITTED IN NON-TRAFFIC AREAS.
- 13. ALL TEMPORARY STRIPES AND MARKINGS SHALL BE PAINT ONLY, UNLESS OTHERWISE SPECIFIED ON THE PLANS OR APPROVED BY THE ENGINEER.

#### PEDESTRIANS, BICYCLES, AND WHEELCHAIRS:

- 14. AT THE END OF EACH WORK DAY OR WHENEVER THE WORK ZONE BECOMES INACTIVE. ANY DROP OFF GREATER THAN 6 IN ADJACENT TO THE PEDESTRIAN, BICYCLE, AND WHEELCHAIR TRAVEL PATHS SHALL BE BACKFILLED FLUSH WITH THE SAID PATHS OR PROTECTED WITH TEMPORARY FENCE, CONCRETE BARRIER WALL OR APPROVED HANDRAIL. COST SHALL BE INCLUDED IN PAY ITEM MAINTENANCE OF TRAFFIC.
- 15. CONSTRUCTION ACTIVITIES THAT INVOLVE SIDEWALKS ON BOTH SIDES OF THE STREET ARE NOT ALLOWED UNLESS APPROVED BY THE ENGINEER.



DAVID PLUMMER & ASSOCIATES, INC TRANSPORTATION • CIVIL • STRUCTURAL • ENVIRONMENTAL CORAL GABLES 1750 PONCE DE LEON BLVD. CORAL GABLES FL 33134 TELEPHONE (305) 44

CERTIFICATE OF AUTHORIZATION EB 2690

PROJECT:

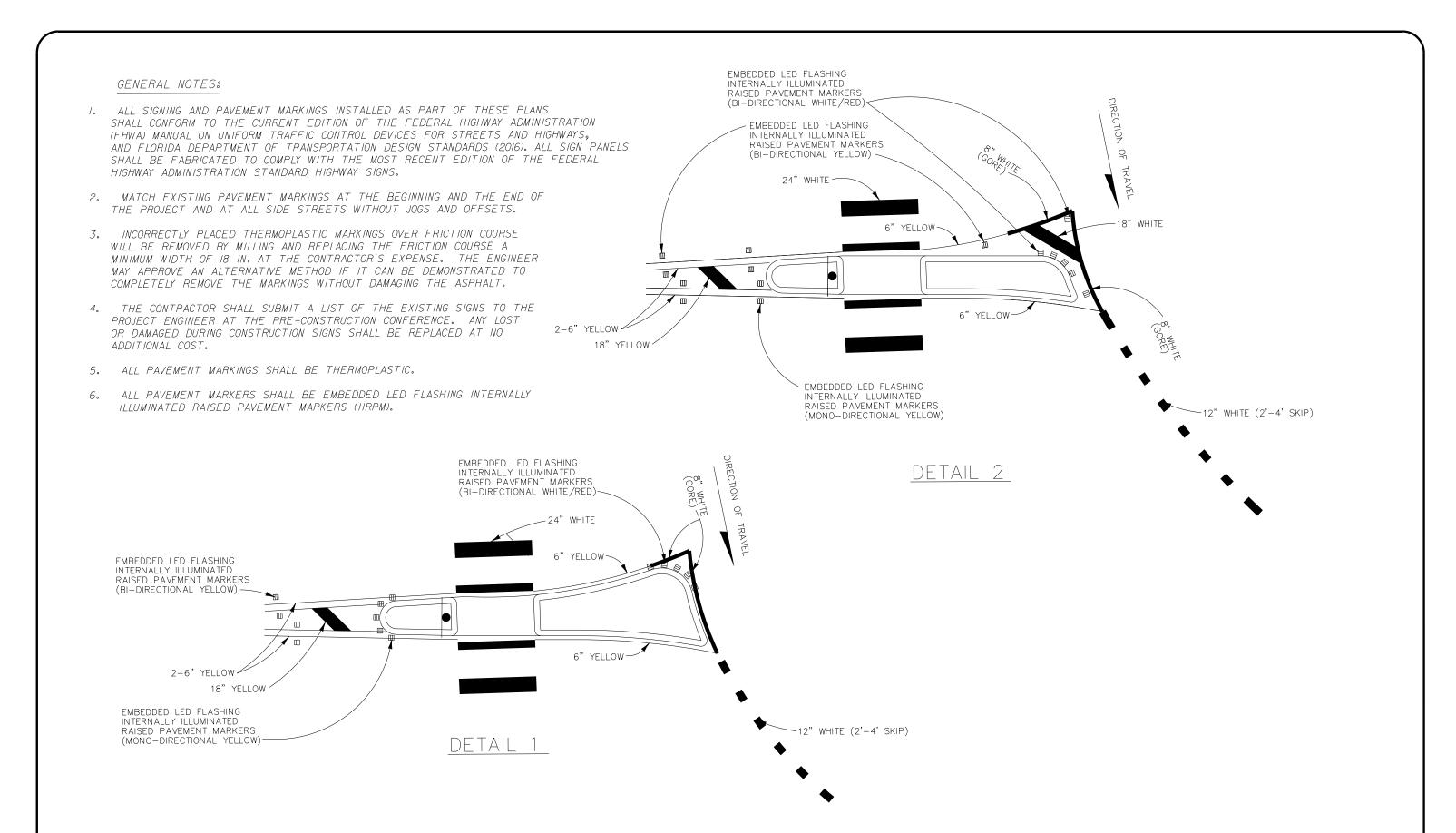
TRAFFIC CIRCLE AT ANDERSON ROAD AND UNIVERSITY DRIVE

5/26/16

16118

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TITLE:





DAVID PLUMMER & ASSOCIATES, INC

TRANSPORTATION • CIVIL • STRUCTURAL • ENVIRONMENTAL

CORAL GABLES
1750 PONCE BE LEON BLUD. CORAL GABLES FI. 33131 TELEPHONE (3005) 417-9090

CERTIFICATE OF AUTHORIZATION EB 2690

REVISIONS:

CONTRACTOR SHALL VERIFY ALL DIMENSIONS & LOCATE ALL UTILITIES BEFORE COMMENCING WITH PROJECT.

PROJECT:

TRAFFIC CIRCLE AT ANDERSON ROAD AND UNIVERSITY DRIVE

SIGNING AND PAVEMENT MARKING GENERAL NOTES

DATE PROJUCT NO. 05/26/16 16118 | DRAWN | SHEET NO. | GRAND | APPROVED | GRAND | GRAND

TITLE:

