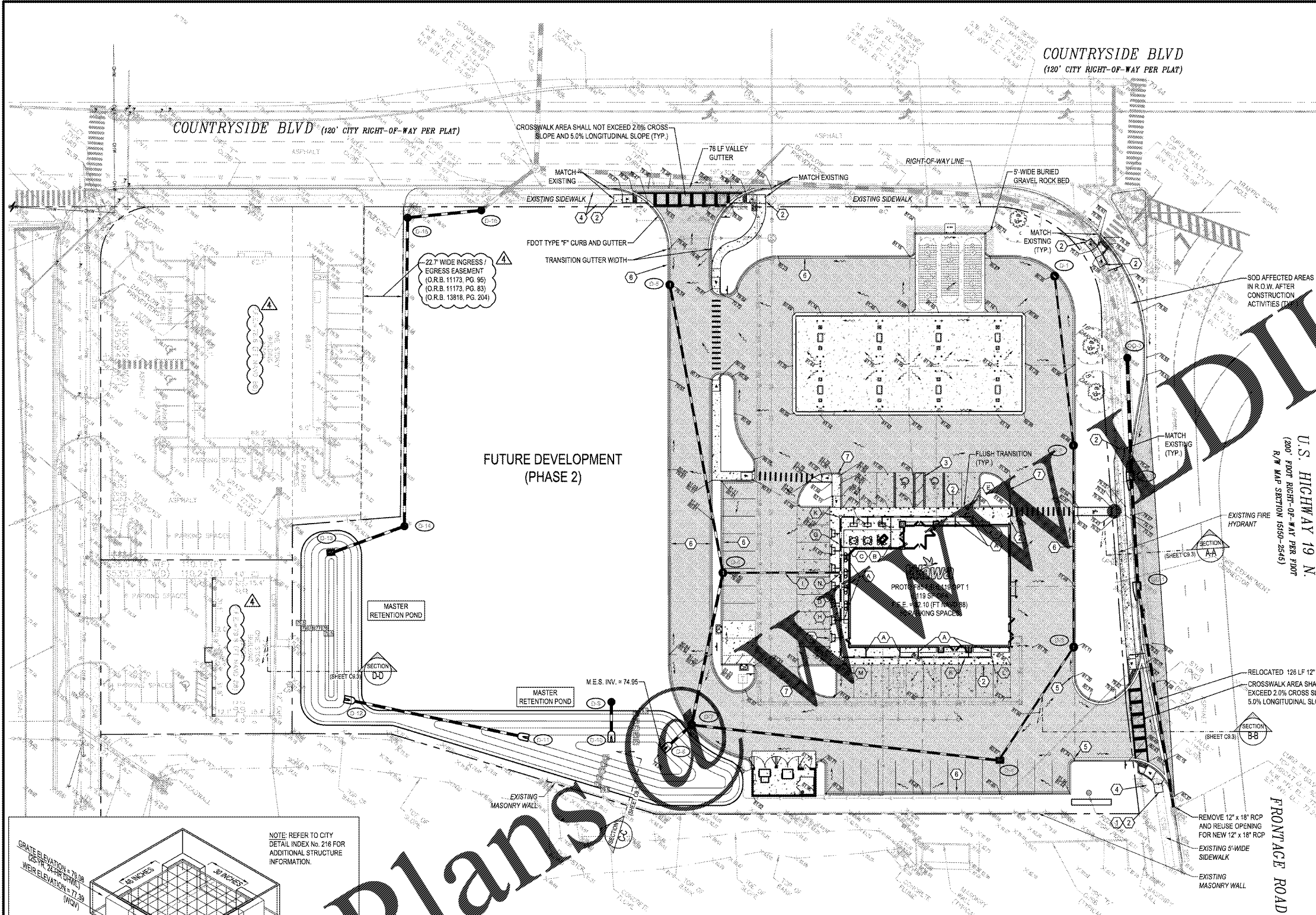


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**SITE KEY**

- MATCH EXISTING PAVEMENT (TYP.)
- CONNECT WITH SMOOTH / FLUSH TRANSITION (ONE-QUARTER INCH MAX JOINT WIDTH; TYP.)
- 2.0% MAX SLOPE IN ANY DIRECTION WITHIN ACCESSIBLE PARKING AREA
- SOD AFFECTED AREAS IN R.O.W. AFTER CONSTRUCTION ACTIVITIES (TYP.)
- TRANSITION GUTTER WIDTH
- WAWA TYPE F1 18" CURB AND GUTTER
- WAWA TYPE B1 8" MOUNTABLE CURB
- 5 LF OF 4" PVC ROOF DRAIN AT 1.0% MIN. SLOPE (REFER TO ARCHITECTS PLANS FOR EXACT LOCATION)
- 17 LF OF 4" PVC ROOF DRAIN AT 1.0% MIN. SLOPE (REFER TO ARCHITECTS PLANS FOR EXACT LOCATION)
- 8 LF OF 4" PVC ROOF DRAIN AT 1.0% MIN. SLOPE (REFER TO ARCHITECTS PLANS FOR EXACT LOCATION)
- 4 LF OF 4" PVC PLANTER DRAINS AT 1.0% MIN. SLOPE (TYPICAL EACH PLANTER)
- 76 LF OF 8" HDPE AT 0.44% MIN. SLOPE
- 32 LF OF 12" HDPE AT 0.2% MIN. SLOPE
- 49 LF OF 12" HDPE AT 0.26% MIN. SLOPE
- 65 LF OF 12" HDPE AT 0.26% MIN. SLOPE
- 8" CLEANOUT AT INV. = 75.92
- 8" x 12" CLEANOUT AT INV. = 76.05
- 8" x 12" CLEANOUT AT INV. = 76.05
- 12" CLEANOUT AT INV. = 75.92

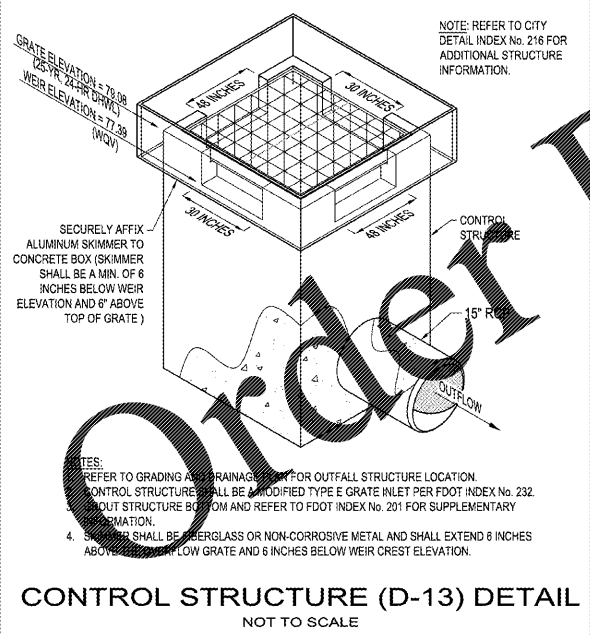
**LEGEND**

- PROPERTY LINE
- CONTOUR LINE
- DRAINAGE PIPE
- EXISTING DRAINAGE PIPE
- DRAINAGE INLETS (REFER TO STRUCTURE SCHEDULE)
- DRAINAGE MANHOLE
- MITERED END SECTION
- EXISTING DRAINAGE STRUCTURES (REFER TO SCHEDULE)
- BASIS LINE
- DIRECTION OF RUNOFF FLOW
- DIRECTION OF SLOPE
- CONCRETE
- EXISTING CONCRETE
- ASPHALT PAVEMENT
- REFER TO SECTION A-A DETAIL

- NOTES**
- REFER TO TOPOGRAPHIC SURVEY FOR ADDITIONAL INFORMATION AND EXISTING SYMBOL LEGEND.
  - IN GENERAL, ITEMS SHOWN AS BOLD LINEWORK REPRESENT PROPOSED FEATURES TO BE CONSTRUCTED AS PART OF THIS PROJECT, UNLESS NOTED OTHERWISE. SIMILARLY, SHADED LINEWORK TYPICALLY REPRESENTS EXISTING FEATURES OR ITEMS SHOWN FOR INFORMATIONAL PURPOSES ONLY.
  - REFER TO GEOTECHNICAL ANALYSIS BY PSI, INC., DATED OCTOBER 5, 2014 (PROJECT No. 0775-2129 rev 1).
  - REFER TO GENERAL DETAILS SHEET FOR PAVEMENT TYPES (PAVEMENT KEYMAP).
  - GENERAL CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES HAVING UNDERGROUND UTILITIES ON SITE OR IN RIGHT-OF-WAY AND SHALL LOCATE ALL UTILITIES PRIOR TO GRADING COMMENCEMENT.
  - TREE BARRICADE AT DRIP LINE OF TREE SHALL BE PROTECTED UNTIL CONSTRUCTION ACTIVITY IN VICINITY REQUIRES REMOVAL.
  - SITE WORK SHALL NOT PROCEED UNTIL APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED.
  - CLEANOUTS SHALL HAVE 2' x 2' x 6" THICK CONCRETE APRON.
  - REFER TO ARCHITECTURAL PLANS FOR ROOF DRAIN CONNECTION INFORMATION. VERIFY IF THE ARCHITECT REQUIRES TWO-WAY CLEANOUTS FOR PIPES NEAR THE BUILDING WALL.
  - ACCORDING TO THE FEMA FLOOD INSURANCE RATE MAP NUMBER 121030088G, DATED SEPTEMBER 3, 2003, THE SITE RESIDES IN FLOOD ZONE X.
  - ALL AREAS DISTURBED WITHIN THE PUBLIC RIGHT-OF-WAY MUST BE SODDED.
  - GENERAL CONTRACTOR SHALL SOD AT THE BACK OF ALL CURBS, PAVEMENT EDGES, SWALES AND DETENTION AREAS.
  - GENERAL CONTRACTOR SHALL PAVE INVERTS IN DRAINAGE STRUCTURES TO PREVENT IMPOUNDED WATER.
  - 3000 PSI CONCRETE SHALL BE USED FOR SIDEWALKS, ROADWAY AND DRAINAGE STRUCTURES (FDOT STANDARD SPECIFICATIONS SECTION 346).
  - THE CONTRACTOR SHALL LEGALLY DISPOSE OF ALL ITEMS DESIGNATED FOR REMOVAL IN STRICT ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL LAWS. SUCH MATERIAL, WHETHER HAZARDOUS OR NON-HAZARDOUS, LAND-CLEARING, CONSTRUCTION OR DEMOLITION DEBRIS SHALL BE PROPERLY HANDLED AND TRANSPORTED TO AN APPROPRIATE OFF-SITE FACILITY.
  - CONTRACTOR SHALL INSTALL DOWNSTREAM STORM PIPE CONNECTION IN THE RIGHT OF WAY PRIOR TO INSTALLATION OF ON-SITE STORM PIPING. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES SHOWN ON THE PLANS BY POT-HOLING THE LINES. THE CONTRACTOR SHALL HAVE THE LINES SURVEYED, INCLUDING HORIZONTAL AND VERTICAL LOCATION, AND THE SURVEYED POINTS SENT TO THE PROJECT ENGINEER TO DETERMINE IF ANY UTILITY CONFLICTS WILL AFFECT THE CURRENT STORM DRAINAGE DESIGN.
  - ALL HDPE SHALL BE AASHTO TYPE "SS" AND SHALL BE INSTALLED IN ACCORDANCE TO ASTM D2321 OR AASHTO SECTION 30 STANDARD PRACTICES AND AS RECOMMENDED BY THE MANUFACTURER.
  - ALL DRAINAGE CULVERT JOINTS SHALL BE WRAPPED PER FDOT INDEX 280.
  - SLOPES WITHIN THE ACCESSIBLE PARKING AREA AND ACCESS PATHWAY SHALL NOT EXCEED 2.0%.

**STRUCTURE SCHEDULE**

<b>(C-1)</b> CURB INLET TOP TYPE 9 (FDOT INDEX NO. 214) THROAT ELEV. = 80.98 INV. (SE) = 77.16 (12" HDPE) DOWNSTREAM PIPE DATA: 94.4 LF - 12" HDPE @ 0.4% SLOPE	<b>(C-6)</b> CURB INLET TOP TYPE 9 (FDOT INDEX NO. 214) THROAT ELEV. = 79.99 INV. (NE) = 75.75 (12" HDPE) INV. (W, SE) = 75.55 (15" HDPE) DOWNSTREAM PIPE DATA: 85.7 LF - 15" HDPE @ 0.3% SLOPE	<b>(D-11)</b> 18" MITERED END SECTION INV. = 77.00 DOWNSTREAM PIPE DATA: 115.0 LF - 18" HDPE @ 0.0% SLOPE (EQUALIZER PIPE)	<b>(D-16)</b> MANHOLE (FDOT INDEX NO. 201) TOP ELEV. = 78.00 INV. (SE) = 75.65 (18" RCP) INV. (N) = 75.65 (EXISTING) DOWNSTREAM PIPE DATA: EXISTING 14" x 23" CMP
<b>(C-2)</b> CURB INLET TOP TYPE 9 (FDOT INDEX NO. 214) THROAT ELEV. = 80.48 INV. (NW, SE) = 76.78 (12" HDPE) DOWNSTREAM PIPE DATA: 112.4 LF - 12" HDPE @ 0.4% SLOPE	<b>(D-7)</b> CURB INLET TOP TYPE 9 (FDOT INDEX NO. 214) THROAT ELEV. = 80.12 INV. (NW, NE) = 75.25 (15" HDPE) INV. (S) = 75.00 (18" HDPE) DOWNSTREAM PIPE DATA: 24.4 LF - 18" HDPE @ 0.2% SLOPE	<b>(D-12)</b> 18" MITERED END SECTION INV. = 77.00	<b>(OD-1)</b> CURB INLET TOP TYPE 5 (FDOT INDEX NO. 211) THROAT ELEV. = 78.61 INV. (SE, NW) = 75.95 (12" x 18" RCP) DOWNSTREAM PIPE DATA: 59.4 LF - 12" x 18" RCP @ 0.5% SLOPE
<b>(C-3)</b> CURB INLET TOP TYPE 9 (FDOT INDEX NO. 214) THROAT ELEV. = 81.11 INV. (NW, S) = 76.33 (12" HDPE) DOWNSTREAM PIPE DATA: 75.0 LF - 12" HDPE @ 0.4% SLOPE	<b>(D-8)</b> 18" MITERED END SECTION INV. = 74.95	<b>(D-13)</b> CONTROL STRUCTURE WITH ALUMINUM SKIMMER (REFER TO DETAIL ON THIS SHEET) TYPE C GRATE INLET (FDOT INDEX NO. 232) TOP ELEV. = 79.00 WEIR SLOT ELEV. = 76.89 WEIR SLOT WIDTH = 6 INCHES INV. (N) = 76.10 (18" RCP) DOWNSTREAM PIPE DATA: 43.0 LF - 18" RCP @ 0.18% SLOPE	<b>(OD-2)</b> CURB INLET TOP TYPE 5 (FDOT INDEX NO. 211) THROAT ELEV. = 78.14 INV. (SE, NW) = 75.95 (12" x 18" RCP) DOWNSTREAM PIPE DATA: 64.2 LF - 12" x 18" RCP @ 0.7% SLOPE
<b>(D-4)</b> TYPE C GRATE INLET (FDOT INDEX NO. 232) TOP ELEV. = 80.87 INV. (N) = 76.03 (12" HDPE) INV. (SW) = 75.78 (15" HDPE) DOWNSTREAM PIPE DATA: 175.1 LF - 15" HDPE @ 0.3% SLOPE	<b>(D-9)</b> MANHOLE (FDOT INDEX NO. 201) TOP ELEV. = 79.50 INV. (SE) = 76.04 (18" RCP) DOWNSTREAM PIPE DATA: 20.0 LF - 18" RCP @ 0.2% MIN. SLOPE	<b>(D-14)</b> MANHOLE (FDOT INDEX NO. 201) TOP ELEV. = 78.30 INV. (SW, NW) = 76.03 (18" RCP) DOWNSTREAM PIPE DATA: 173.0 LF - 18" RCP @ 0.18% SLOPE	<b>(OD-3)</b> REPLACE CURB INLET WITH MANHOLE (FDOT INDEX NO. 201) TOP ELEV. = 78.87 INV. (SE) = 75.22 (12" x 18" RCP) INV. (NW) = 75.12 (EXISTING 14" x 23" RCP) DOWNSTREAM PIPE DATA: EXISTING 14" x 23" RCP
<b>(D-5)</b> CURB INLET TOP TYPE 9 (FDOT INDEX NO. 214) THROAT ELEV. = 79.24 INV. (E) = 76.04 (15" HDPE) DOWNSTREAM PIPE DATA: 164.8 LF - 15" HDPE @ 0.3% SLOPE	<b>(D-10)</b> 18" MITERED END SECTION INV. = 76.00	<b>(D-15)</b> MANHOLE (FDOT INDEX NO. 201) TOP ELEV. = 78.00 INV. (SE, N) = 75.72 (18" RCP) DOWNSTREAM PIPE DATA: 39.0 LF - 18" RCP @ 0.18% SLOPE	



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**GRADING AND DRAINAGE PLAN**  
WAWA  
COUNTRYSIDE BLVD & U.S. HWY 19  
CLEARWATER, PINELLAS COUNTY  
FLORIDA

ERIK D. JULIANO, P.E.  
LICENSE NO. 68423  
PLAN STATUS

02/10/17	DESIGN	JM
03/09/17	DESIGN	JM
05/16/17	DESIGN	JM
06/28/17	DESIGN	JM

DATE: 06/28/2017  
FILE: C-6.0 GDP.DWG  
SHEET: C6.0

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GRAPHIC SCALE  
0 30 60  
1" = 30'

FDOT PERMIT (2017-A-799-007, 2017-D-799-005)  
ROADWAY SECTION 15150 / SR No. 55, MP 22.117-22.182