1.0 SITE DESCRIPTION:

1.A. NATURE OF CONSTRUCTION ACTIVITY:

THIS PROJECT, LOCATED IN PALM BEACH COUNTY, INVOLVES THE RECONSTRUCTION OF BENOIST FARMS ROAD. THIS INCLUDES WIDENING THE ROADWAY TO THREE LANES ALONG THE MAINLINE AND SIX LANES AT THE SR 80 INTERSECTION (NORTH APPROACH) WITH CURB AND GUTTER, SIDEWALK ON ONE SIDE, AND NEW DRAINAGE INFRASTRUCTURE. THE PROJECT EXTENDS FROM SOUTH OF SOUTHERN BOULEVARD TO BELVEDERE ROAD, A DISTANCE OF APPROXIMATELY 0.948 MILES. **BENOIST FARMS ROAD IS BOUNDED ALONG IT’S EAST SIDE BY A LAKE WORTH DRAINAGE DISTRICT (LWDD) CONVEYANCE CANAL (E-2 CANAL), WHICH DRAINS THE IMMEDIATE AREAS AND FLOWS SOUTH TO THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD) C-51 CANAL.**

1.B. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

THE FOLLOWING SEQUENCE OF MAJOR ACTIVITIES SHALL BE FOLLOWED UNLESS THE CONTRACTOR CAN PROPOSE AN ALTERNATIVE THAT IS EQUAL TO OR EXCEEDS THE EROSION AND SEDIMENT CONTROL PRACTICES DESCRIBED IN THIS DOCUMENT, AND IS APPROVED BY THE ENGINEER. THE DETAILED SEQUENCE FOR THE ENTIRE PROJECT CAN VARY SIGNIFICANTLY FROM CONTRACTOR TO CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A DETAILED SEQUENCE OF CONSTRUCTION FOR ALL CONSTRUCTION ACTIVITIES IN THE SECTION 104 EROSION CONTROL PLAN.

1. PLACEMENT OF ALL EROSION CONTROL DEVICES.
2. CLEARING AND GRUBBING, EARTHWORK REQUIRED FOR STORM SEWER AND GRADE ADJUSTMENT.
3. STORM SEWER CONSTRUCTION: ALL STORM SEWER SHALL BE CONSTRUCTED IN THE UPSTREAM DIRECTION.
4. EARTHWORK AND CONSTRUCTION ASSOCIATED WITH ROADWAY RECONSTRUCTION.

1.C. AREA ESTIMATES:

TOTAL SITE AREA: 9.93 ACRES

TOTAL AREA TO BE DISTURBED: 9.93 ACRES

1.D. RUNOFF DATA:

RUNOFF COEFFICIENTS:

BEFORE: 0.57

DURING: VARIES FROM 0.57 TO 0.72

AFTER: 0.72

SOILS DATA: THE RESULTS OF THE SOIL BORINGS ALONG THE ROADWAY ARE SHOWN IN THE ROADWAY SOIL PROFILE SHEETS. IN GENERAL, THE SOILS ARE FINE SANDS.

OUTFALL INFORMATION:

THERE ARE 9 OUTFALLS.

#1 CONTROL STRUCTURE S-8

LOCATION: LATITUDE 26° 40’ 51” N, LONGITUDE, 80° 10’ 27” W.

EST. DRAINAGE AREA SIZE: 1.73 ACRES

RECEIVING WATER NAME: LWDD E-2 CANAL

#2 CONTROL STRUCTURE S-15

LOCATION: LATITUDE 26° 40’ 54” N, LONGITUDE, 80° 10’ 27” W.

EST. DRAINAGE AREA SIZE: 1.18 ACRES

RECEIVING WATER NAME: LWDD E-2 CANAL

#3 CONTROL STRUCTURE S-26

LOCATION: LATITUDE 26° 41’ 3” N, LONGITUDE, 80° 10’ 28” W.

EST. DRAINAGE AREA SIZE: 1.16 ACRES

RECEIVING WATER NAME: LWDD L-4 CANAL

#4 CONTROL STRUCTURE S-28

LOCATION: LATITUDE 26° 41’ 4” N, LONGITUDE, 80° 10’ 28” W.

EST. DRAINAGE AREA SIZE: 1.55 ACRES

RECEIVING WATER NAME: LWDD L-4 CANAL

#5 MCALLISTER OUTFALL (EXISTING)

LOCATION: LATITUDE 26° 41’ 12” N, LONGITUDE, 80° 10’ 27” W.

EST. DRAINAGE AREA SIZE: 0.31 ACRES

RECEIVING WATER NAME: LWDD E-2 CANAL

#6 FCW OUTFALL (EXISTING)

LOCATION: LATITUDE 26° 41’ 15” N, LONGITUDE, 80° 10’ 27” W.

EST. DRAINAGE AREA SIZE: 0.16 ACRES

RECEIVING WATER NAME: LWDD E-2 CANAL

#7 CONTROL STRUCTURE S-39

LOCATION: LATITUDE 26° 41’ 16” N, LONGITUDE, 80° 10’ 28” W.

EST. DRAINAGE AREA SIZE: 1.10 ACRES

RECEIVING WATER NAME: LWDD E-2 CANAL

#8 CONTROL STRUCTURE S-50

LOCATION: LATITUDE 26° 41’ 24” N, LONGITUDE, 80° 10’ 28” W.

EST. DRAINAGE AREA SIZE: 1.19 ACRES

RECEIVING WATER NAME: LWDD E-2 CANAL

#9 CONTROL STRUCTURE S-58

LOCATION: LATITUDE 26° 41’ 30” N, LONGITUDE, 80° 10’ 27” W.

EST. DRAINAGE AREA SIZE: 1.42 ACRES

RECEIVING WATER NAME: LWDD E-2 CANAL

1.E. SITE MAP:

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

\* DRAINAGE PATTERNS:

THE DRAINAGE BASIN DIVIDES AND FLOW DIRECTIONS ARE SHOWN ON THE DRAINAGE MAPS.

\*APPROXIMATE SLOPES:

THE SLOPES OF THE SITE CAN BE SEEN IN THE CROSS-SECTION SHEETS AND THE PLAN-PROFILE SHEETS.

\*AREAS OF SOIL DISTURBANCE:

FOR THE PURPOSE OF THIS PLAN, IT IS REASONABLE TO SAY THAT ALL  
AREAS OF THE PROJECT WILL BE DISTURBED DURING SOME PHASE OF CONSTRUCTION.

\*AREAS NOT TO BE DISTURBED:

ESSENTIALLY THE WHOLE PROJECT WILL BE DISTURBED DURING CONSTRUCTION.

\*LOCATIONS OF TEMPORARY CONTROLS:

LOCATIONS AND QUANTITIES OF TEMPORARY EROSION AND SEDIMENT CONTROL ITEMS ARE PROVIDED IN THE EROSION CONTROL PLAN SHEET.

\* AREAS TO BE STABILIZED:

TEMPORARY STABILIZATION PRACTICES ARE SHOWN IN THE SAME LOCATION AS THE TEMPORARY CONTROLS MENTIONED ABOVE. PERMANENT STABILIZATION IS SHOWN ON THE TYPICAL SECTION SHEET AND THE PLAN-PROFILE SHEETS.

\* SURFACE WATERS:

L.W.D.D E-2 AND L-4 CANALS AND PROPOSED DRAINAGE DITCHES WITHIN THIS PROJECT’S R/W.

\* DISCHARGE POINTS TO SURFACE WATERS:

SEE BASIN DESCRIPTIONS IN SECTION 1.D ABOVE.

1.F. RECEIVING WATERS:

L.W.D.D. L-4 AND E-2 CANALS

2.0 CONTROLS:

2.A. EROSION AND SEDIMENT CONTROLS:

THE FOLLOWING DISCUSSION DEFINES GENERAL GUIDELINES FOR THE SEQUENCE OF CONSTRUCTION AND THE USE OF STABILIZATION STRUCTURAL PRACTICES. THE CONTRACTOR IS ALSO RESPONSIBLE FOR DOCUMENTING THIS PORTION OF THE SWPPP IN THE SECTION 104 EROSION CONTROL PLAN. AN EROSION CONTROL PLAN IS ALSO INCLUDED IN THE ROADWAY PLANS.

1. INSTALL SOIL TRACKING PREVENTION DEVICES (STPDs) AT COMMON AREAS WHERE CONSTRUCTION VEHICLES WILL BE ENTERING AND EXITING THE CONSTRUCTION SITE.
2. INSTALL STAKED TURBIDITY BARRIER ALONG THE EAST AND WEST RIGHT OF WAY LINE. AT NO LOCATION SHOULD BARRIER BE LOCATED OUTSIDE THE RIGHT-OF-WAY.
3. PROTECT THE OUTFALL CONTROL STRUCTURE, HEADWALL, AND ALL STORM DRAIN INLETS IDENTIFIED IN THE PLANS USING SEDIMENT BARRIER.
4. IMMEDIATELY AFTER CONSTRUCTING THE PAVEMENT, STABILIZE THE ENTIRE AREA BETWEEN THE EDGE OF PAVEMENT AND THE LIMITS OF EARTHWORK.
5. THE CONTRACTOR SHALL HAVE SANDBAGS AVAILABLE AT ALL TIMES DURING ALL PIPE CONSTRUCTION TO SUBSTANTIALLY BLOCK RUNOFF IN THE TRENCH FROM ENTERING THE PIPE.
6. INSTALL FLOATING TURBIDITY BARRIER AT POINTS OF OUTFALL INTO THE EXISTING CANAL AND MAINTAIN UNTIL ALL UPSTREAM PIPE AND STRUCTURES WORK HAS BEEN COMPLETED FOR SYSTEMS CONNECTED TO OUTFALLS.

2.A.1 STABILIZATION PRACTICES:

TEMPORARY:

\* ARTIFICIAL COVERINGS IN ACCORDANCE WITH SPECIFICATION SECTION 104.

\* TURF AND SOD IN ACCORDANCE WITH SPECIFICATION SECTION 104.

PERMANENT:

\* ASPHALT OR CONCRETE SURFACE, OR SOD IN ACCORDANCE WITH SPECIFICATION SECTION 570.

2.A.2 STRUCTURAL PRACTICES:

TEMPORARY:

\* SEDIMENT BARRIERS IN ACCORDANCE WITH THE STATE EROSION AND SEDIMENT CONTROL MANUAL AND SPECIFICATION SECTION 104.

\* INLET PROTECTION IN ACCORDANCE WITH THE STATE EROSION AND SEDIMENT CONTROL MANUAL.

PERMANENT:

\* SOD.