

DATUM NOTE:

CONTROL BENCHMARK:
SAINT LUCIE COUNTY BENCHMARK DESCRIBED AS SAINT LUCIE COUNTY 2004 VERTICAL CONTROL DISK IN CONCRETE LOCATED AT THE NORTHEAST CORNER OF JENKINS AND OKEECHOBEE ROADS, 47.5' SOUTHWEST OF A TYPICAL CONCRETE POWER POLE AT THE INTERSECTION OF AN 8' CONCRETE SIDEWALK, 14' NORTHWEST OF THE SOUTHWEST CORNER OF THE PARKING LOT PARALLEL TO OKEECHOBEE ROAD.

ELEVATION: 19.13' (NORTH AMERICAN VERTICAL DATUM 1988)

ON-SITE TBM #1:
STATION IS DESCRIBED AS A LB-7652 NAIL AND DISK SET ON TOP OF CONCRETE SIDEWALK LOCATED 105.0' NORTH AND 31.6' EAST OF THE NORTHWEST CORNER OF SUBJECT PARCEL.

ELEVATION: 20.50' (NORTH AMERICAN VERTICAL DATUM 1988)

ON-SITE TBM #2:
STATION IS DESCRIBED AS A LB-7652 NAIL AND DISK SET ON TOP OF GRATE INLET LOCATED 33' NORTH AND 299.8' WEST OF THE NORTHEAST CORNER OF SUBJECT PARCEL.

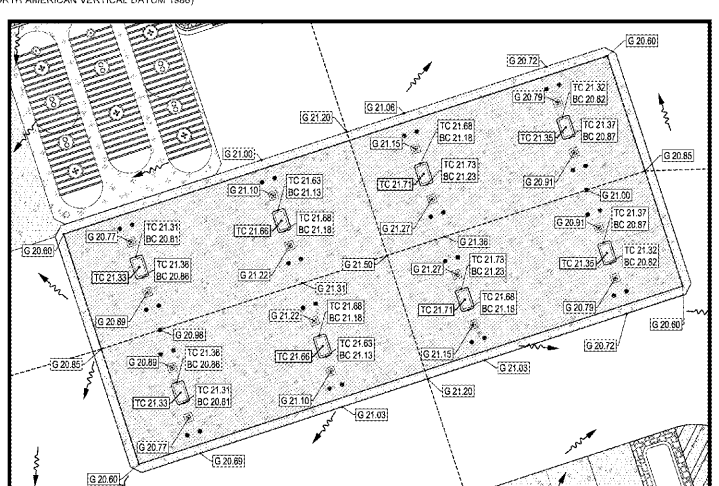
ELEVATION: 17.92' (NORTH AMERICAN VERTICAL DATUM 1988)

- GENERAL NOTES:**
- CONTRACTOR WILL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
 - CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CASTING STRUCTURES.
 - COORDINATE ALL UTILITY LEADS AND BUILDING CONNECTIONS WITH THE ARCHITECTURAL PLANS.
 - STANDARD INDEXES REFER TO THE LATEST EDITION OF F.O.D.T. "ROADWAY AND TRAFFIC DESIGN STANDARDS"
 - ALL DISTURBED AREAS WITHIN RIGHT-OF-WAY WILL NEED TO BE SODDED.
 - ANY SIDEWALK THAT IS DAMAGED OR BROKEN DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR.
 - CONTRACTOR TO COORDINATE WITH FOOT, ST. LUCIE COUNTY, AND THE CITY OF FORT PIERCE FOR EVERYTHING RELATED TO MOT OF PROPOSED ROADWORK.
 - DRIVEWAY WITHIN LIMITS OF JENKINS RD SHALL BE COMPRISED OF 6" THICK CONCRETE IN ACCORDANCE WITH THE CITY OF FORT PIERCE CODE OF ORDINANCES (SECTION 16-116).
 - CONTRACTOR MUST FOLLOW OFF-SITE PLAN OS-1 AND OFF-SITE DETAILS OS-2 AND OS-3 SHEETS ALL OFF-SITE WORK.
 - ALL ADA DETECTABLE WARNING MATS WITHIN ROW MUST BE BRICK-RED IN COLOR PER CITY OF FORT PIERCE SPECIFICATIONS.
 - CONTRACTOR SHALL OVER EXCAVATE A MINIMUM OF 12" AND A HALF (10.5) FEET BELOW BOTTOM OF STORM WATER MANAGEMENT AREAS, AND ADD A 1% SLOPE HORIZONTAL K VALUE OF MIN. 30FT/10 (15 IN/HR) AND A VERTICAL K VALUE OF MIN. 17 FT/10 (8.5 IN/HR) AND SHALL CONFIRM CONDUCTIVITY WITH INFILTRATION PRIOR TO CONSTRUCTION CERTIFICATION.

- PAVING AND GRADING NOTES:**
- GENERAL:**
- ALL ELEVATIONS SHOWN ARE IN REFERENCE TO THE SURVEYOR'S BENCHMARKS AND MUST BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO GROUND BREAK.
 - ALL GRADES SHOWN REFERENCE PROPOSED ELEVATIONS AT EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. "TC" = TOP OF CURB ELEVATION; "BC" = BOTTOM OF CURB ELEVATION; "MATCH" = PROPOSED GRADE TO MATCH EXISTING GRADE; "TYP" = TOP OF RETAINING WALL ELEVATION; "BW" = BOTTOM OF RETAINING WALL ELEVATION.
 - THE ALTAACSM LAND TITLE SURVEY SHALL BE CONSIDERED A PART OF THESE PLANS.
 - THE GEOTECHNICAL REPORT AND RECOMMENDATIONS SET FORTH THEREIN ARE A PART OF THE REQUIRED CONSTRUCTION DOCUMENTS AND IN CASE OF CONFLICT SHALL TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING OF ANY SUCH DISCREPANCY BETWEEN GEOTECHNICAL REPORT AND PLANS, ETC.
 - ALL UNDERGROUND UTILITIES SHALL BE COMPLETED PRIOR TO CONSTRUCTION OF LIMEROCK BASE.
 - ALL EXISTING PAVEMENT, CUT OR DAMAGED BY CONSTRUCTION, SHALL BE PROPERLY RESTORED AT THE CONTRACTOR'S EXPENSE.
 - WHERE ANY PROPOSED PAVEMENT IS TO BE CONNECTED TO EXISTING PAVEMENT, THE EXISTING EDGE OF PAVEMENT SHALL BE SAW CUT TO ENSURE A PROPER JOINT.
 - PRIOR TO THEIR CONSTRUCTION OR INSTALLATION, SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ENGINEER OF RECORD. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL OTHER AGENCY APPROVALS IF REQUIRED.
- 2. MATERIALS:**
- BASE COURSE SHALL BE A80-3 PER F.O.D.T. SPECIFICATIONS, OR EQUIVALENT LIMEROCK THICKNESS W/ MIN. LBR-100 (MAX. 6" LIFTS)
 - ASPHALT SURFACES SHALL BE TYPE FC-12.5 TRAFFIC D ASPHALTIC CONCRETE, UNLESS OTHERWISE SPECIFIED ON THE PLANS, AND SHALL BE A MINIMUM OF 1-1/2" THICK, AND CONSTRUCTED IN TWO 3/4" LIFTS, WITH TACKCOAT BETWEEN LIFTS.
 - REINFORCED CONCRETE SLABS SHALL BE CONSTRUCTED OF CLASS C CONCRETE WITH A MINIMUM STRENGTH OF 3,000 PSI AND SHALL BE REINFORCED WITH A 6" x 6" NO. 6 GAUGE WIRE MESH.
- 3. INSTALLATION:**
- SUBGRADE FOR ROADWAY SHALL BE COMPACTED TO A MINIMUM OF 98% OF THE MAXIMUM DENSITY (AASHTO T-180), TO A MIN. 12" AND SHALL HAVE A MINIMUM LBR 40.
 - BASE COURSE MATERIAL FOR PAVED AREAS SHALL BE A MINIMUM THICKNESS OF 6" PLACED IN ONE LIFT. BASE COURSE MATERIAL SHALL HAVE A MINIMUM MARSHALL STABILITY OF 1000, UNLESS OTHERWISE INDICATED (OR LBR-100).
 - BASE COURSE SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
 - INSTALLATION OF THE WEARING SURFACE SHALL CONFORM WITH THE REQUIREMENTS OF THE D.O.T. STANDARD SPECIFICATIONS FOR TYPE FC-12.5 TRAFFIC D ASPHALTIC CONCRETE OR THE LATEST REVISION.
- 4. TESTING:**
- 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.
 - DENSITY TESTS SHALL BE TAKEN BY AN INDEPENDENT TESTING LABORATORY CERTIFIED BY THE STATE OF FLORIDA, WHERE DIRECTED BY THE ENGINEER.
 - ALL TESTING COSTS (PAVING) SHALL BE PAID FOR BY THE CONTRACTOR.
 - DENSITY TESTS ON THE STABILIZED SUBGRADE SHALL BE SUPPLIED TO THE ENGINEER OF RECORD AND GEOTECHNICAL ENGINEER, AND APPROVED BEFORE ANY BASE IS CONSTRUCTED.
 - DENSITY TESTS AND "AS-BUILTS" ON THE FINISHED BASE SHALL BE SUPPLIED TO THE GEOTECHNICAL ENGINEER, AND APPROVED BEFORE ANY ASPHALT PAVEMENT IS CONSTRUCTED.

FEMA MAP INFORMATION:

ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY'S FLOOD INSURANCE RATE MAP (FIRM) PANEL 167 OF 420 COMMUNITY PANEL NUMBER 25111 20167.1 ST. LUCIE COUNTY, FLORIDA, EFFECTIVE DATE OF FEBRUARY 16, 2012, THE PROPERTY DESCRIBED HEREON LIES COMPLETELY WITHIN ZONE "X".



CANOPY GRADING DETAIL
1" = 20'

BOHLER ENGINEERING

SITE CIVIL AND CONSULTING ENGINEERING
LAND SURVEYING, SURVEYING, AND CONSTRUCTION SERVICES
SUSTAINABLE DESIGN, TRANSPORTATION SERVICES

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REVISIONS

REV	DATE	COMMENT	BY
1	8/9/2016	PER CITY COMMENTS	SMT
2	10/20/2016	REVISIONS PER SFWM COMMENTS	SMT
3	4/10/2017	PER FOOT AND SFWM COMMENTS	DJG
4	4/24/2017	PER CITY OF FORT PIERCE COMMENTS	SJM
5	5/12/2017	PER CITY OF FORT PIERCE COMMENTS	SJM
6	6/21/2017	PER FOOT COMMENTS	SJM
7	7/14/2017	PER FOOT COMMENTS	SJM

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APPROVED FOR CONSTRUCTION

PROJECT No.: FLB15009
 DRAWN BY: DJG
 DATE: 06/24/16
 SCALE: 1" = 30'
 CAD ID: GP3

SR 70 AND JENKINS FOR WAWA

LOCATION OF SITE
 SEC SR 70 & S JENKINS RD
 FORT PIERCE, FLORIDA

BOHLER ENGINEERING

2255 GLADES ROAD, SUITE 305E
 BOCA RATON, FLORIDA 33431
 Phone: (561) 571-0260
 Fax: (561) 571-0261
 FLORIDA LICENSE # 19171 OF AUTH. No. 16780
 10/20/2016 PROJECT: 15009 (16) 00000000

SHEET TITLE:
PAVING & GRADING PLAN

SHEET NUMBER:
C-6