Lee County

Contract Plans

Palomino Lane Improvements

Daniels Parkway to Penzance Boulevard

County Project No: 6885

Lee County, Florida

Governing Design Standards:
Florida Department of Transportation, FDOT16-17 Design Standards Manual (5064) and applicable Design Standards Revisions (5067) at the following website:
http://www.dot.state.fl.us/rddesign/DesignStandards/Standards.shtm

Applicable DSRs: DSR400-01, DSR410-01, DSR411-01

Governing Standard Specifications:
Florida Department of Transportation, July 2016 Standard Specifications for Road and Bridge Construction at the following website:
http://www.dot.state.fl.us/programmanagement/implemented/SpecBooks

Begin of Project
STA. 103+20.20

End of Project
STA. 182+59.33

GOVERNMENTAL DESIGN STANDARDS:
Florida Department of Transportation, FY2016-17 Design Standards Manual (5064) and applicable Design Standards Revisions (5067) at the following website:
http://www.dot.state.fl.us/rddesign/DesignStandards/Standards.shtm

APPLICABLE DSRs: DSR400-01, DSR410-01, DSR411-01

Governing Standard Specifications:
Florida Department of Transportation, July 2016 Standard Specifications for Road and Bridge Construction at the following website:
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Revisions:

COUNTY PROJECT No: 6885

Lee County, Florida

ROADWAY PLANS

Engineer of Record: David W. Dowling
P.E. No. 56587
6200 Whiskey Creek Dr.
Fort Myers, Florida 33919
Phone (239) 985-1200

Roadway Plans

Engineer of Record: David W. Dowling
P.E. No. 56587
6200 Whiskey Creek Dr.
Fort Myers, Florida 33919
Phone (239) 985-1200

100% Submittal

(KEY SHEET)

NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.
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STA. 172+78.12 TO STA. 179+10.96
EXIST R/W
EXIST R/W
6' 60'
EXIST UE
CL CONST.
10'
EXIST FPL EASEMENT
0.02
1:6
0.06
1:2
0.06
1:2 MAX.
DEPTH VARIES
SEE CROSS SECTIONS
4'
8' VARIES
STANDARD CLEARING AND GRUBBING
SOD
LIMITS OF
CONSTRUCTION
2'
SOD
3'
SOD SOD
(TYP.)
0.02
TYPICAL SECTION
PALOMINO LANE
MILLING
MILL EXISTING ASPHALT PAVEMENT (1" DEPTH)
WIDENING
OPTIONAL BASE GROUP 4 WITH TYPE S-I (1.5")
RESURFACING
TYPE S-III (1")
LEFT TURN LANE FOR PENZANCE BLVD. (BID ALTERNATE)
STA. 172+60.58 TO STA. 180+59.33
WIDENING
MILL EXISTING ASPHALT PAVEMENT (1" DEPTH)
RESURFACING
TYPE S-I (1")
WIDENING
OPTIONAL BASE GROUP 6 WITH TYPE S-I (1.5") AND TYPE S-III (1")
TYPICAL SECTION
PALOMINO LANE
MILLING
MILL EXISTING ASPHALT PAVEMENT
WIDENING
OPTIONAL BASE GROUP 4 WITH TYPE S-I (1.5")
RESURFACING
TYPE S-III (1")
LEFT TURN LANE FOR PENZANCE BLVD. (BID ALTERNATE)
STA. 172+78.12 TO STA. 179+10.96
MILLING
MILL EXISTING ASPHALT PAVEMENT (1" DEPTH)
RESURFACING
TYPE S-III (1")
WIDENING
OPTIONAL BASE GROUP 6 WITH TYPE S-I (1.5") AND TYPE S-III (1")
TYPICAL SECTION
PALOMINO LANE
6" CONCRETE SIDEWALK
STA. 154+17.79 TO STA. 157+20.00
6" CONCRETE SIDEWALK
STA. 154+17.79 TO STA. 157+20.00
LIMITS OF
CONSTRUCTION
10'
LIMITS OF
CONSTRUCTION
10'
LIMITS OF
CONSTRUCTION
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LIMITS OF
CONSTRUCTION
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LIMITS OF
CONSTRUCTION
10'
### SUMMARY OF EROSION AND SEDIMENT CONTROL DEVICES

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**Note:** * represents quantities for the alternate bid.

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### SUMMARY OF CLEARING AND GRUBBING & REMOVAL ITEMS

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**Note:** * represents quantities for the alternate bid.
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**NOTE:** * REPRESENTS QUANTITIES FOR THE ALTERNATE BID.

## SUMMARY OF QUANTITIES

**100% SUBMITTAL**

## SUMMARY OF EARTHWORK

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Earthwork has been calculated by using limerock base option. If another option is constructed, there shall be no revision to the earthwork quantities for which payment is made by Plan Quantity. **Note:** * REPRENTS QUANTITIES FOR THE ALTERNATE BID.

## SUMMARY OF FIRE HYDRANTS ADJUST AND MODIFY

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**DAVID W. DOULTING**
P.E. NO.: 56587
HOLE MONTES, INC.
6200 WHISKEY CREEK DRIVE
FORT MYERS, FL. 33919
CERTIFICATE OF AUTHORIZATION No. 1772

**100% SUBMITTAL**
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**SUMMARY OF DRAINAGE STRUCTURES**

**GRAND TOTALS - PLAN QUANTITY**

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- 85
- 30
- 21
- 12
- 26.74

**FINAL QUANTITY**

- 24
- 85
- 30
- 21
- 12
- 26.74

**ENGINEERS PLANNERS SURVEYORS**

- DAVID W. DOWLING
  - P.E. NO.: 56587
  - MONTES, INC.
  - 6200 WHISKEY CREEK DRIVE
  - FORT MYERS, FL. 33919

**CERTIFICATE OF AUTHORIZATION**

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<td>S-28</td>
<td>179+60.62</td>
<td>RT/INLET</td>
<td>1</td>
<td></td>
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</table>

**GRAND TOTALS - PLAN QUANTITY:**

| | 1 | 15 | 2 | 2 |

**GRAND TOTALS - FINAL QUANTITY:**

- **100% SUBMITTAL**

--

**HOLE MONTES, INC.**

6200 WHISKEY CREEK DRIVE

FORT MYERS, FL. 33919

**PALOMINO LANE**

ALTERNATE BID SUMMARY OF DRAINAGE STRUCTURES

**DAVID W. DOWLING**

P.E. NO.: 56587

HOLE MONTES, INC.
1. BENCHMARK ELEVATIONS SHOWN ON THE PLANS ARE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

2. EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.

3. THE LOCATIONS OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED Vv, Vh, AND Vvh) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.

4. EXISTING UTILITIES ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED.

5. UTILITY / AGENCY OWNERS:

<table>
<thead>
<tr>
<th>COMPANY</th>
<th>CONTACT</th>
<th>PHONE No.</th>
<th>EMAIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMCAST</td>
<td>Mark Cook</td>
<td>239-432-1805</td>
<td><a href="mailto:mark_cook@cable.comcast.com">mark_cook@cable.comcast.com</a></td>
</tr>
<tr>
<td>FP&amp;L</td>
<td>Michael Martínez</td>
<td>239-353-6047</td>
<td><a href="mailto:michael.martinez@fpl.com">michael.martinez@fpl.com</a></td>
</tr>
<tr>
<td>CENTURY LINK</td>
<td>James Nottingham Jr.</td>
<td>239-336-2035</td>
<td><a href="mailto:james.L.nottingham.jr@centurylink.com">james.L.nottingham.jr@centurylink.com</a></td>
</tr>
<tr>
<td>LEE COUNTY UTILITIES</td>
<td>Victor Gagnon</td>
<td>239-533-8178</td>
<td><a href="mailto:vgagnon@leegov.com">vgagnon@leegov.com</a></td>
</tr>
<tr>
<td>TECO Peoples Gas</td>
<td>M.D. Aloi</td>
<td>239-690-5517</td>
<td><a href="mailto:mdaloii@tecoenergy.com">mdaloii@tecoenergy.com</a></td>
</tr>
<tr>
<td>PP&amp;L Fibernet</td>
<td>Noel Reese</td>
<td>239-693-4260</td>
<td><a href="mailto:noel.reese@fplfibernet.com">noel.reese@fplfibernet.com</a></td>
</tr>
</tbody>
</table>

6. IF ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, IMMEDIATELY NOTIFY THE ENGINEER IN CONJUNCTION WITH THE DISTRICT LOCATION SURVEYOR.

7. ANY IRRIGATION OR LANDSCAPING CONFLICTS SHALL BE RESOLVED BY THE AFFECTED HOMEOWNERS' ASSOCIATION.

PAY ITEM NOTES:
1. PAY ITEMS 425-5, 425-5-1 AND 425-6 ARE A CONTINGENCY QUANTITIES TO BE USED AS DIRECTED BY THE ENGINEER.
LEGEND

- ASPH. PATH
- MILLING,
- OVERBUILD & RESURFACING

ASPH. PATH
EXIST. R/W
PROP. TYPE
F C&G
STRAIGHT END
CURB TAPER
CL CONST.

PAIOMINO LANE

RENAISSANCE
P. 572 PG. 18-30

100% SUBMITTAL

HOLE MONTES, INC.
6200 WHISKEY CREEK DRIVE
FORT MYERS, FL. 33919
CERTIFICATE OF AUTHORIZATION No. 1772

DAVID W. DOWLING
P. E. NO.: 56587
HOLE MONTES, INC.

HOE MONTES

PAIOMINO LANE
SIDEWALK IMPROVEMENT PLAN

LEE COUNTY
SOUTHWEST FLORIDA

Palomino Lane
Improvemennts

20/00110
COUNTY PROJECT NO. 1772

DAVID W. DOWLING, P.E. NO.: 56587

HOLE MONTES, INC.
6200 WHISKEY CREEK DRIVE
FORT MYERS, FL. 33919

CERTIFICATE OF AUTHORIZATION NO. 1772

MONTES

PALOMINO LANE

CROSS SECTIONS

STATION 149+00 TO 152+50

100% SUBMITTAL
COUNTY PROJECT NO.

ENGINEERS  PLANNERS  SURVEYORS

DAVID W. DOWLING P.E. NO.: 56587

HOLE MONTES, INC.
6200 WHISKEY CREEK DRIVE
FORT MYERS, FL. 33919

CERTIFICATE OF AUTHORIZATION NO.1772

MONTES HOLE

PALOMINO LANE

CROSS SECTIONS

16046DXS

STATION 153+00 TO 156+50

100% SUBMITTAL
PALOMINO LANE
CROSS SECTIONS
STATION 165+00 TO 168+50

100% SUBMITTAL
COUNTY PROJECT NO.

ENGINEERS   PLANNERS   SURVEYORS

DAVID W. DOWLING
P.E. NO.: 56587

HOLE MONTES, INC.
6200 WHISKEY CREEK DRIVE
FORT MYERS, FL. 33919

CERTIFICATE OF AUTHORIZATION NO. 1772

PALOMINO LANE
DRIVEWAY CROSS SECTIONS

100% SUBMITTAL
EX. M.E.S.
S-1
STA. 0+22.92 (35.19 Rt.)
Const. Straight Conc. Endwall
Index No. 250, 280 & 281
FL 16.70

EX. M.E.S.
S-2
STA. 104+05.86 (24.20 Rt.)
Const. Straight Conc. Endwall
Index No. 250, 280 & 281
FL 16.45

EX. M.E.S.
S-3
STA. 106+74.17 (24.24 Rt.)
Const. Straight Conc. Endwall
Index No. 250, 280 & 281
FL 15.50

EX. M.E.S.
S-7
STA. 126+21.83 (24.11 Rt.)
Const. Straight Conc. Endwall
Index No. 250, 280 & 281
FL 15.25

EX. M.E.S.
S-8
STA. 126+28.03 (24.11 Rt.)
Const. Straight Conc. Endwall
Index No. 250, 280 & 281
FL 15.04

EX. M.E.S.
S-4
STA. 112+50.00 (21.48 Lt.)
Const. DBI Type C
Index No. 232
SLOT W - 15.69
Gr. El. 18.09
FL 15.67

EX. M.E.S.
S-5
STA. 115+00.00 (24.71 Lt.)
Const. MH Type P-8
Index No. 200, 201
Top El. 18.25
FL 15.54
STA. 129+52.20 (22.05 Rt.)
Const. Straight Conc. Endwall
Index No. 250, 280 & 281
FL 15.29

STA. 130+73.69 (24.37 Rt.)
Const. Straight Conc. Endwall
Index No. 250, 280 & 281
FL 15.75

STA. 152+58.53 (21.52 Rt.)
Const. Straight Conc. Endwall
Index No. 250, 280 & 281
FL 16.56

STA. 154+01.99 (21.72 Rt.)
Const. CD MES (1:2)
Index No. 272
FL 17.12

STA. 154+02.01 (19.59 Rt.)
Const. Jct. Box (J Bot. 3.5' X 3.5')
Top of Box El. 20.19
FL 14.26 (Ah.)
FL 17.12 (Rt.)

STA. 154+79.01 (21.38 Lt.)
Const. Straight Conc. Endwall
Index No. 250, 280, 281
FL 15.11

STA. 154+78.76 (19.01 Rt.)
Const. MH Type J-8 (6' Dia.)
Index No. 200, 201
Top El. 19.33
FL 15.30 (Lt.)
FL 14.26 (Bk.)
FL 14.22 (Ah.)

STA. 126+33.68 (24.09 Rt.)
Const. Straight Conc. Endwall
Index No. 250, 280 & 281
FL 15.08

STA. 126+39.31 (24.08 Rt.)
Const. Straight Conc. Endwall
Index No. 250, 280 & 281
FL 15.07

STA. 126+45.16 (24.07 Rt.)
Const. Straight Conc. Endwall
Index No. 250, 280 & 281
FL 15.21

STA. 126+31.65

STA. 126+43.76

STA. 126+52.28

STA. 126+57.76

154+01.85

130+72.66

126+31.95

154+79.18

154+78.90

126+53.28

156+37.75

COUNTY PROJ. NO.
ENGINEERS   PLANNERS   SURVEYORS
DAVID W. DOWLING
P.E. NO.: 56587
HOLE MONTES, INC.
6200 WHISKEY CREEK DRIVE
FORT MYERS, FL. 33919
CERTIFICATE OF AUTHORIZATION NO.1772

PALOMINO LANE
DRAINAGE CROSS SECTIONS
100% SUBMITTAL
S-20
STA. 179+05.24 (32.86 Lt.)
Const. DBI Type C
Index No. 232
SLOT W - 16.53
Gr. El. 17.38
FL 15.51 (Lt.)

S-19
STA. 178+96.69 (31.54 Rt.)
Const. DBI Type C
Index No. 232
SLOT N - 17.51
SLOT S - 17.379
Gr. El. 18.36
FL 15.51
FL 16.00

S-24
STA. 179+60.62 (22.53 Rt.)
Const. DBI Type C
Index No. 232
SLOT S - 16.80
SLOT N - 17.30
Gr. El. 17.71
FL 15.35 (Bk.)

S-14
STA. 157+46.11 (21.14 Lt.)
Const. Straight Conc. Endwall
Index No. 250, 280, 281
FL 15.61

S-18
STA. 157+46.12 (21.24 Rt.)
Const. CD MES (1:2)
Index No. 272
FL 16.47

S-16
STA. 157+46.11 (18.72 Rt.)
Const. Jct. Box (J Bot.)
Index No. 200
Top of Box El. 19.54
FL 14.28 (Bk.)
FL 16.47 (Rt.)
FL 15.79 (Lt.)

S-24
STA. 179+49.86 (21.92 Rt.)
Modify Exist. Drainage Structure
Const. MH Top P-8
Connect 18" RCP
Index No. 200, 201
Top El. 19.14
FL 15.35 (Ah.)
FL 11.25 (Lt.)

S-22
STA. 179+50.54 (22.36 Lt.)
Modify Exist. Drainage Structure
Const. MH Top P-8
Connect 18" RCP
Index No. 200, 201
Top El. 18.89
FL 11.04 (Lt.)
FL 11.04 (Rt.)

S-21
STA. 179+49.08 (37.38 Lt.)
Const. DBI Type C
Index No. 232
SLOT N - 17.00
SLOT W - 16.60
FL 11.04 (Rt.)
HOLE MONTES, INC.
6200 WHISKEY CREEK DRIVE
FORT MYERS, FL. 33919

CERTIFICATE OF AUTHORIZATION No.1772

PALOMINO LANE DRAINAGE DETAILS

100% SUBMITTAL
1. SITE DESCRIPTION

1.4. NATURE OF CONSTRUCTION ACTIVITY:

This is a pathway construction project including pavement widening for new left turns for St. John Catholic Church, Danforth Lakes Blvd., and Penacaxe Blvd. That includes removal of existing driveways, removal of existing culverts, extension of existing culverts, construction of new culverts, placement of rip-rap erosion control, relocation of signage and construction of a new pathway along the east side of Palomino Lane, new driveways and construction of pavement widening along the west and east side of Palomino Lane. Activity abuts existing conservation easement.

1.8. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

In the section 104 erosion control plan, the contractor shall provide a detailed sequence of construction for all construction activities. The contractor shall follow the sequence of major activities described below, unless the contractor proposes a different sequence that is equal or better at controlling erosion and trapping sediment and is approved by the engineer.

For each construction phase, install perimeter controls after clearing and grubbing necessary for installation of controls but before beginning other work for the construction phase. Remove perimeter controls only after all upstream areas are stabilized.

Sequence of activities:

Install construction signs and traffic control devices prior to construction.

Phase 1 will remove existing driveways and culverts.

Phase 2 will construct proposed culverts, headwalls, mitered end sections, and erosion control.

Phase 3 shall consist of constructing new pathway, pavement, and driveways.

Phase 4 shall consist of restoration, including performance soil placement, replacement of signage, final signing and pavement marking installation, and final site cleanup.

1.C. AREA ESTIMATES:

Total site area: 11.49 acres

Total area to be disturbed: 5.80 acres

1.D. RUNOFF DATA:

Runoff: \( Q = C \times I \times A \)

Runoff coefficients:

- Pavement: \( C = 0.90 \)
- Impervious: \( C = 0.40 \)

Before: \( Q = 40.32 \text{ cfs} \)

During: \( Q = 24.35 \text{ cfs} \)

After: \( Q = 24.35 \text{ cfs} \)

The existing soils within the project site include topsoil, gravel to light gray sand with gravel and some gravel in the upper foot of material. Groundwater measured was 2 inches to 2 feet below existing ground.

1.F. SITE MAP:

Drainage patterns within the project limits consist of roadside swales and culverts on both sides of Palomino Lane conveying the stormwater runoff and discharging into an existing canal and an conservation area with final discharge to Six Mile Cypress Slough Preserve. No changes are proposed to these elements.

Approximate slopes are 2.1 for side slopes and 2% close slope at the sidewalk. Longitudinal slope for the existing roadway is fairly flat. No changes to these slopes are proposed.

Area of soil disturbance is shown in 1.C. above.
2.4.1. STABILIZATION PRACTICES:
IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED STRUCTURAL PRACTICES TO CONTROL EROSION. THE CONTRACTOR SHALL INITIATE ALL STABILIZATION MEASURES AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS, IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. THE STABILIZATION PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:

TEMPORARY:
- Artificial Coverings in accordance with Specification Section 104.
- Sod and草 in accordance with Specification Section 104.
- Permanent:
- Asphalt or concrete surface.
- Sod in accordance with Specification Section 370 and 371.

2.4.2. STRUCTURAL PRACTICES:
IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED STRUCTURAL PRACTICES TO CONTROL THE FLOW OF FAVORABLE AND OTHERWISE PREVENT THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SEDIMENT CONTROLS SHALL BE IN PLACE BEFORE DISTURBING SOIL UPSTREAM OF THE CONTROL. THE STRUCTURAL PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:

TEMPORARY:
- Inlet Protection System in accordance with Design Standard 102 and Specification Section 104.
- Sediment Barrier in accordance with Design Standard 102 and Specification Section 104.
- Floating Turbidity Barriers in accordance with Design Standard 103 and Specification 104.
- Staked Turbidity Barriers in accordance with Design Standard 103 and Specification 104.

PERMANENT:
- Roadside Swales.
- Sod in roadside swales.

2.6. STORMWATER MANAGEMENT
STORMWATER MANAGEMENT:
THE PROPOSED WORK WILL NOT MODIFY THE EXISTING PATTERN OF THE STORMWATER MANAGEMENT SYSTEM. THERE WILL BE REMOVAL AND REPLACEMENT OF DRIVEWAY CULVERTS, EXTENDING DRAINAGE CULVERTS, EXTENDING HEADING, AND INSTALLATION OF NEW INLETS, CULVERTS AND MITERED END SECTIONS.

2.C. OTHER CONTROLS
THE CONTRACTOR SHALL PRACTICE GOOD HOUSEKEEPING BY INSTITUTING A CLEAN ORDERLY, CONSTRUCTION SITE. THE FOLLOWING CONTROLS SHALL BE IMPLEMENTED TO FURTHER REDUCE POLLUTION AT THE PROJECT SITE:

2.C.1. DISCHARGE OF MATERIALS TO SURFACE WATERS:
NO CONSTRUCTION MATERIAL, BUILDING MATERIAL, OR OTHER MATERIALS SHALL BE DISPOSED OF OR DUMPED IN WATERS OF THE STATE UNLESS AUTHORIZED BY A SECTION 104 PERMIT, OR IN A TREATED ENVIRONMENTAL RESOURCE PERMIT. ALL CONSTRUCTION DEBRIS SHALL BE DISPOSED OF IN AN APPROVED UPLAND LOCATION. BUILDING MATERIAL SHALL NOT BE DISPOSED OF IN WETLANDS OR BURIED ON-SITE.

2.C.2. OFF-SITE VEHICLE TRACKING AND DUST CONTROL:
IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED METHODS OF MINIMIZING OFFSITE VEHICLE TRACKING OF SEDIMENTS AND GENERATING DUST. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:
- Covering loaded haul trucks with tarps/blankets.
- Removing excess dirt from roads daily.
- Using roadway sweepers during dust generating activities such as excavation operations.

2.C.3. WASTE DISPOSAL:
THE CONTRACTOR SHALL DEMONSTRATE THE PROPER DISPOSAL OF ALL CONSTRUCTION WASTE GENERATED WITHIN THE PROJECT LIMITS. WASTE MAY INCLUDE, BUT NOT LIMITED TO, VEGETATION FROM CLEARING AND GRUBBING ACTIVITIES, PACKAGING MATERIALS, SCRAP BUILDING MATERIALS, LITTER FROM TRAVELING PUBLIC, DRAINAGE FROM SANITARY FACILITIES, HERBICIDES AND PESTICIDES AND THEIR CONTAINERS, AND HYDROCARBON PRODUCTS. THE CONTRACTOR SHALL DESIGNATE A WASTE COLLECTION AREA ON SITE AND DELINEATE THE AREA IN THE SWPPP SITE MAP.

SANITARY/SEPTIC FACILITIES SHALL BE PROVIDED AND MAINTAINED IN A NEAT AND SANITARY CONDITION FOR THE USE OF THE CONTRACTORS EMPLOYEES AS NEEDED TO COMPLY WITH THE REQUIREMENTS AND REGULATIONS OF THE STATE AND LOCAL BOARDS OF HEALTH. A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR AS REQUIRED BY STATE REGULATIONS WILL COLLECT ALL SANITARY WASTE FROM THE PORTABLE UNITS. THE CONTRACTOR WILL PROVIDE LITTER CONTROL AND COLLECTION WITHIN THE PROJECT LIMITS DURING CONSTRUCTION ACTIVITIES. THE CONTRACTOR WILL PROVIDE A MODERN NUMBER OF LITTER CONTAINERS WITH LIDS AT THE STAGING, STOCKPILE, AND FIELD OFFICE AREAS. WASTE COLLECTION WILL BE SCHEDULED SO THAT CONTAINERS ARE EMPTIED PRIOR TO OVERFLOW. SPILLED LITTER CONTAINERS WILL BE CLEANED UP IMMEDIATELY.

2.C.4. FERTILIZERS AND PESTICIDES:
IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROCEDURES FOR APPLYING FERTILIZERS AND PESTICIDES. THE PROPOSED PROCEDURES SHALL COMPLY WITH APPLICABLE SUBSECTIONS OF SECTION 370 OF THE SPECIFICATIONS.

2.C.5. TOXIC SUBSTANCES:
IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A LIST OF TOXIC SUBSTANCES THAT ARE LIKELY TO BE USED ON THE JOB AND PROVIDE A PLAN ADDRESSING THE GENERATION, APPLICATION, MIGRATION, STORAGE, AND DISPOSAL OF THESE SUBSTANCES.

2.D. APPROVED STATE AND LOCAL PLANS:
NONE.

2.D.1. MAINTENANCE:
IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A PLAN FOR MAINTAINING ALL EROSION CONTROL AND SEDIMENT CONTROLS THROUGHOUT CONSTRUCTION. THE MAINTENANCE PLAN SHALL AT A MINIMUM, COMPLY WITH THE SPECIFICATIONS.

THE FOLLOWING EROSION PROTECTION AND SEDIMENT BARRIERS PROPOSED FOR PROJECT INCLUDE:
- SEDIMENT BARRIER: MAINTAIN PER SECTION 104 INLET PROTECTION SYSTEM: MAINTAIN PER SECTION 104
The contractor is responsible for submitting the following items to FDEP in order for the NPDES permit to be processed:

1. Signed contractor certification forms (2).
2. Construction plan sheets that are listed in the SWPPP (full sets will not be accepted).
3. Hazardous materials spill control plan.
4. Signed statement that the SWPPP included in the contract as part of the section 104 erosion control plan for the project will be implemented during the construction of the project. The contractor may elect to submit a revised SWPPP that is in compliance with the stormwater regulations at 40 CFR 122.26(B)(14) and state water quality standards.
5. Staging area and stockpile locations.

This information should be submitted to the MPO construction office thirty (30) days prior to any clearing and grubbing activities. No soil disturbing activities can be conducted until the NPDES package and permit has been approved and attached.

The contractor is responsible for submitting the following items to MPO in order for the NPDES permit to be processed:

1. Copy of the Stormwater Pollution Prevention Plan with the original certification signatures.
2. Copy of the contractor’s erosion control plan.
3. Hazardous spill control plan with guidelines on contacting the 24-hour emergency response program for hazardous material spills. This shall include copies of discharge notifications that have occurred within the project limits.
4. Completed inspection forms.

The contractor is responsible for submitting the following items to FDEP in order for the NPDES permit to be processed:

1. FDEP Form 62-621.300(4Xb) - Notice of Intent to Use General Permit for Stormwater Discharge from Large and Small Construction Sites. This notice of intent shall be signed by the contractor.
2. It is the contractor’s responsibility to submit the NOI to FDEP no less than 48 hours prior to the start of construction. Contractor shall be responsible for providing proof of date to the project administrator.

The contractor is responsible for ensuring the following items are on site:

- Copy of the contractor’s erosion control plan.
- Copy of the stormwater pollution prevention plan construction inspection report (form #650-040-031) shall be used to report the inspection findings to the inspector and the contractor as to the above-referenced schedule. If corrective action is necessary, it shall be recorded on the inspection report. It shall be the responsibility of the contractor to make the correction immediately. The MPO shall maintain all records submitted by the contractor.

The contractor shall submit the following items to MPO in order for the NPDES permit to be processed:

1. Copy of the stormwater pollution prevention plan.
2. Notice of intent to use generic permit for stormwater discharge from large areas used for storage of materials that are exposed to precipitation.
3. FDEP Form 62-621.300(4Xb) - Notice of Intent to Use Generic Permit for Stormwater Discharge from Large and Small Construction Sites. This notice of intent shall be signed by the contractor.
4. Completed inspection forms.

The contractor shall include with the following items:

- Points of discharge to Waters of the United States.
- Points of discharge to municipal separate storm sewer systems.
- Stormwater management systems.
- Disturbed areas of the site that have not been finally stabilized.
- Areas used for storage of materials that are exposed to precipitation.
- Structural controls.
- Locations where vehicles enter or exit the site.

The contractor is responsible for submitting the following items to MPO in order for the NPDES permit to be processed:

1. Signed contractor certification forms (2).
2. Construction plan sheets that are listed in the SWPPP (full sets will not be accepted).
3. Hazardous materials spill control plan.
4. Signed statement that the SWPPP included in the contract as part of the section 104 erosion control plan for the project will be implemented during the construction of the project. The contractor may elect to submit a revised SWPPP that is in compliance with the stormwater regulations at 40 CFR 122.26(B)(14) and state water quality standards.
5. Staging area and stockpile locations.

This information should be submitted to the MPO construction office thirty (30) days prior to any clearing and grubbing activities. No soil disturbing activities can be conducted until the NPDES package and permit has been approved and attached.
Beginning of Project
STA. 103+20.20

Ending of Project
STA. 182+59.33
LEES COUNTY
DEPARTMENT OF TRANSPORTATION
PALOMINO LANE IMPROVEMENTS
FORT MYERS, LEE COUNTY, FLORIDA

DATE OF SURVEY: AUGUST 16TH, 2016
SURVEY MADE BY: GPA INTERNATIONAL, INC.
SUBMITTED BY: PAUL J. D'HUYVETTER

CROSS SECTION SOIL SURVEY FOR THE DESIGN OF ROADS
SURVEY BEGINS: DANIELS PARKWAY
SURVEY ENDS: PENZANCE BOULEVARD

ROAD: PALOMINO LANE

ORGANIC CONTENT
DREYER ANALYSIS RESULTS
GRAVEL CONTENT
PERCENTAGE LIMITS (%)

Correlation Series

DESCRIPTION
DESCRIPTION
DESCRIPTION
DESCRIPTION
DESCRIPTION
DESCRIPTION
DESCRIPTION

Light Brown to Brown, Tan, SAND (SP)

EMPAKAMPAT AND SUBGRADE MATERIAL
STRATA BOUNDARIES ARE APPROXIMATE

Ground water was encountered at depths of about 3 inches to 2 feet at boring locations at the time of our drilling.

The material from Stratum Numbers 1 appears satisfactory for use in the embankment when utilized in accordance with Index S01, except where organics were encountered.
### Soil Profiles

<table>
<thead>
<tr>
<th>Borings</th>
<th>Date</th>
<th>Location</th>
</tr>
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<tbody>
<tr>
<td>HA-1</td>
<td>07/15/2016</td>
<td>Northbound: 8' from E.O.P.</td>
</tr>
<tr>
<td>HA-2</td>
<td>07/15/2016</td>
<td>Northbound: 8' from E.O.P.</td>
</tr>
<tr>
<td>HA-3</td>
<td>07/15/2016</td>
<td>Southbound: 8' from E.O.P.</td>
</tr>
<tr>
<td>HA-4</td>
<td>07/15/2016</td>
<td>Northbound: 8' from E.O.P.</td>
</tr>
<tr>
<td>HA-5</td>
<td>07/15/2016</td>
<td>Southbound: 8' from E.O.P.</td>
</tr>
<tr>
<td>HA-6</td>
<td>07/15/2016</td>
<td>Northbound: 8' from E.O.P.</td>
</tr>
<tr>
<td>HA-7</td>
<td>07/15/2016</td>
<td>Northbound: 8' from E.O.P.</td>
</tr>
<tr>
<td>HA-8</td>
<td>07/15/2016</td>
<td>Northbound: 8' from E.O.P.</td>
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### Soil Profile Legend

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<th>Soil Type</th>
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<tr>
<td>HA-X</td>
<td>Boring Number</td>
</tr>
</tbody>
</table>

### Soil Legend

- Gray to Light Gray, White, SAND (SP/A-3)

### Soil Classification

- **Approximate Fines Content**
  - 5% to 15%: SLIGHTLY SILTY OR SLIGHTLY CLAYEY
  - 16% to 25%: SILTY OR CLAYEY
  - 26% to 49%: VERY SILTY OR VERY CLAYEY

- **Approximate Sand/Gravel Content**
  - 5% to 15%: SLIGHTLY SANDY OR SLIGHTLY GRAVELLY
  - 16% to 25%: SANDY OR GRAVELLY
  - 26% to 49%: VERY SANDY OR VERY GRAVELLY

- **Approximate Root Content**
  - 5% to 10%: TRACE
  - 11% to 20%: TRACE TO SOME
  - 21% to 40%: SOME
  - 41% to 60%: TRACE TO SOME

---

GFA INTERNATIONAL, INC.
5511 COUNTRY LAKES DRIVE
FORT MYERS, FLORIDA 33905

PAUL J. D'HYVETTER, P.E. #59716

LEE COUNTY
SOUTHWEST FLORIDA

PALOMINO LANE
REPORT OF CORE BORINGS FOR ROADWAY

100% SUBMITTAL
SOIL PROFILES

HA-33
07/22/2016
Southbound: 8' From E.O.P.

HA-34
07/22/2016
Northbound: 8' From E.O.P.

HA-35
07/22/2016
Southbound: 8' From E.O.P.

HA-36
07/22/2016
Northbound: 8' From E.O.P.

SOIL PROFILE LEGEND

HA-X = BORING NUMBER

SOIL TYPE

INDICATES PRACTICAL REFUSAL TO BORING EQUIPMENT

SOIL SYMBOL

GROUND WATER LEVEL

SOIL LEGEND

Gray to Light Gray, White, SAND (SP/A-3)

SOIL CLASSIFICATION

APPROXIMATE FINES CONTENT MODIFIERS

5% TO 15% SLIGHTLY SILTY OR SLIGHTLY CLAYEY

16% TO 25% SILTY OR CLAYEY

26% TO 49% VERY SILTY OR VERY CLAYEY

APPROXIMATE SAND/GRAVEL CONTENT MODIFIERS

5% TO 15% SLIGHTLY SANDY OR SLIGHTLY GRAVELLY

16% TO 25% SANDY OR GRAVELLY

26% TO 49% VERY SANDY OR VERY GRAVELLY

APPROXIMATE ROOT CONTENT MODIFIERS

5% TO 10% TRACE

11% TO 20% TRACE TO SOME

21% TO 40% SOME

41% TO 60% AND
SOIL PROFILES

SOIL PROFILE LEGEND
HA-X = BORING NUMBER

SOIL LEGEND
Gray to Light Gray, White, SAND (SP A-3)

SOIL CLASSIFICATION
APPROXIMATE FINES CONTENT
SLIGHTLY SILTY OR SLIGHTLY CLAYEY
VERY SILTY OR VERY CLAYEY

APPROXIMATE SAND/GRAVEL CONTENT
SLIGHTLY SANDY OR SLIGHTLY GRAVELLY
VERY SANDY OR VERY GRAVELLY

APPROXIMATE ROOT CONTENT
TRACE

HA-57
07/25/2016
Southbound:
8' From E.O.P.

HA-58
07/25/2016
Northbound:
8' From E.O.P.

HA-59
07/25/2016
Southbound:
8' From E.O.P.

HA-60
07/25/2016
Northbound:
8' From E.O.P.

HA-61
07/25/2016
Southbound:
8' From E.O.P.

HA-62
07/25/2016
Northbound:
8' From E.O.P.

HA-63
07/25/2016
Southbound:
8' From E.O.P.

HA-64
07/25/2016
Northbound:
8' From E.O.P.
SOIL PROFILES

HA-65

HA-66

HA-67

HA-68

HA-69

HA-70

HA-71

HA-72

HA-73

07/25/2016

07/25/2016

07/25/2016

07/25/2016

07/26/2016

07/26/2016

07/26/2016

07/26/2016

Southbound: 8' From E.O.P.

Southbound: 8' From E.O.P.

Northbound: 8' From E.O.P.

Southbound: 8' From E.O.P.

Southbound: 8' From E.O.P.

Southbound: 8' From E.O.P.

Northbound: 8' From E.O.P.

Northbound: 8' From E.O.P.

REFUSAL

07/25/2016

GROUND WATER

LEVEL

INDICATES PRACTICAL
REFUSAL TO BORING
EQUIPMENT

HA-X = BORING NUMBER

SOIL TYPE

SOIL SYMBOL

1

Gray to Light Gray, White, SAND (SPI A-3)

SOIL CLASSIFICATION

APPROXIMATE FINES CONTENT MODIFIERS
5% TO 15% Slightly Silty Or Slightly Clayey
16% TO 25% Silty Or Clayey
26% TO 49% Very Silty Or Very Clayey

APPROXIMATE SAND/ GRAVEL CONTENT MODIFIERS
5% TO 15% Slightly Sandy Or Slightly Gravelly
16% TO 25% Sandy Or Gravelly
26% TO 49% Very Sandy Or Very Gravelly

APPROXIMATE ROOT CONTENT MODIFIERS
5% TO 10% Trace
11% TO 20% Trace To Some
21% TO 40% Some
41% TO 60% And

Some Fine Gravel

Some Fine Gravel

Some Fine Gravel

Some Fine Gravel

PAUL J. D'HUYVETTER, P.E. #59716

GFA INTERNATIONAL, INC.
5851 COUNTRY LAKES DRIVE
FORT MYERS, FLORIDA 33905

REPORT OF CORE BORINGS FOR ROADWAY

100% SUBMITTAL
### Tabulations of Quantities

<table>
<thead>
<tr>
<th>PAY ITEM NO.</th>
<th>DESCRIPTION</th>
<th>UNIT</th>
<th>NO. DESCRIPTION</th>
<th>UNIT</th>
<th>SHEET NUMBER</th>
<th>TOTAL</th>
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<th>TOTAL</th>
<th>THIS SHEET</th>
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<tbody>
<tr>
<td>S-4</td>
<td>SINGLE POST SIGN, F&amp;I, GROUND MOUNT, UP TO 12 SF</td>
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<td>METRO-REFLECTIVE PAVEMENT MARKER CR/CL</td>
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<td>6250</td>
<td>500</td>
<td>500</td>
<td></td>
<td>500</td>
</tr>
</tbody>
</table>

**NOTE:** * represents quantities for the alternate bid.
GENERAL NOTES

1. ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED IN THE PLANS.

2. THE LOCATIONS OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED Vv, Vh, AND Vvh) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.

3. UTILITY / AGENCY OWNERS:

<table>
<thead>
<tr>
<th>COMPANY</th>
<th>CONTACT</th>
<th>PHONE No.</th>
<th>EMAIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comcast</td>
<td>Mark Cook</td>
<td>239-432-1805</td>
<td><a href="mailto:mark_cook@interface.comcast.com">mark_cook@interface.comcast.com</a></td>
</tr>
<tr>
<td>FP&amp;L</td>
<td>Michael Martinez</td>
<td>239-353-6047</td>
<td>michael.martinez@fp&amp;l.com</td>
</tr>
<tr>
<td>Century Link</td>
<td>James Nottingham Jr.</td>
<td>239-336-2035</td>
<td><a href="mailto:james.L.nottingham.jr@centurylink.com">james.L.nottingham.jr@centurylink.com</a></td>
</tr>
<tr>
<td>Lee County Utilities</td>
<td>Victor Gagnon</td>
<td>239-533-8178</td>
<td><a href="mailto:vgagnon@leegov.com">vgagnon@leegov.com</a></td>
</tr>
<tr>
<td>TECO Fibernet</td>
<td>Noel Reese</td>
<td>239-693-4260</td>
<td><a href="mailto:noel.reese@tecoenerg.com">noel.reese@tecoenerg.com</a></td>
</tr>
</tbody>
</table>

4. SIGNS TO REMAIN OR TO BE RELOCATED SHALL BE CONFIRMED TO HAVE REQUIRED REFLECTIVITY PER ASTM D4956.

5. SIGNS TO BE REMOVED SHALL BE DELIVERED TO 5650 ENTERPRISE PKWY FORT MYERS BY THE CONTRACTOR (CONTACT - DAN VASILOFF AT LCDOT SIGNS & MARKINGS OPERATIONS CENTER, 239-229-2148, dvasiloff@leegov.com).

6. SIGN ASSEMBLY LOCATIONS SHOWN ON THE PLANS WHICH ARE IN CONFLICT WITH LIGHTING, UTILITIES, LANDSCAPE, DRIVEWAYS, ETC., MAY BE ADJUSTED BY THE ENGINEER IN ACCORDANCE WITH DESIGN STANDARDS INDEX NO. 17302. WARNING SIGN LOCATION CHANGES MUST BE APPROVED BY THE LEE COUNTY TRAFFIC ENGINEER.

7. FOR REMOVAL OF CONFLICTING STRIPING, STRIP ERASURE OR WATER BLASTING ARE THE ONLY METHODS OF REMOVAL OF PAVEMENT MARKINGS ALLOWED.

8. STREET NAMES SIGNS (D3) SHALL BE INSTALLED IN ACCORDANCE WITH STANDARDS INDEX NO. 11860 (SHEET 4 OF 8) SIGNS BACK TO BACK) AND THE LEE COUNTY DOT TRAFFIC SECTION DESIGN STANDARD FOR SIGN INSTALLATION. SIGN PANEL CLIPS WILL NOT BE PERMITTED. D3 SIGNS SHALL HAVE REFLECTIVE WHITE LEGEND/BORDER AND THE APPLICABLE REFLECTIVE BLUE, GREEN, OR ORANGE BACKGROUND.
NOTE:
SEE SIGN TABLE ON SHEET # S-2
FOR SIGN LOCATIONS
EXIST. R/W

MATCH EXISTING STRIPING (TYP.)

0.227 GM (1200 LF) - 6" SOLID YELLOW WITH Y/Y RPM'S @ 40'

NOTE:
SEE SIGN TABLE ON SHEET # S-2 FOR SIGN LOCATIONS

100% SUBMITTAL
PALOMINO LANE

EXIST. R/W

DIRECTIONAL ARROW

THRMPLSTIC (TYP.)

711-11-170

0.092 GM (485 LF) - 6" SOLID WHT

STOP BAR

711-11-101

25 LF - 24" SOLID WHITE

CROSSWALK - FDOT

INDEX 17346

84 LF - 12" SOLID WHT

711-11-123

0.035 GM (185 LF) - 6" SOLID WHT

WITH W/R RPM'S @ 40'

711-11-101/706-3

104 LF - 18" SOLID YELLOW

WITH Y/Y RPM'S @ 20'

711-11-224/706-3

0.081 GM (430 LF) - 6" SOLID YELLOW

WITH Y/Y RPM'S @ 40'

711-11-201/706-3

0.095 GM (502 LF) - 6" SOLID WHT

711-11-101

0.012 GM(66 LF) - 6" SOLID WHT

711-11-101

6'

11'

11'

11'

0.004 GM (21 LF) - 6" SOLID WHT

711-11-101

0.022 GM (117 LF) - 6" SOLID YELLOW

711-11-201

0.096 GM (509 LF) - 6" SOLID YELLOW

47 LF - 18" SOLID YELLOW

WITH Y/Y RPM'S @ 20'

711-11-224/706-3

HOLE

ENGINEERS SPMNERS SURVEYORS

MONTES

DAVID W. DOWLING

P.E. NO.: 56587

HOLE MONTES, INC.

6200 WHISKEY CREEK DRIVE

FORT MYERS, FL. 33919

CERTIFICATE OF AUTHORIZATION No.1772

NOTE:
SEE SIGN TABLE ON SHEET # S-2
FOR SIGN LOCATIONS

100% SUBMITTAL
NOTE:
SEE SIGN TABLE ON SHEET # S-2
FOR SIGN LOCATIONS
NOTE:
SEE SIGN TABLE ON SHEET # S-2 FOR SIGN LOCATIONS
NOTE:
SEE SIGN TABLE ON SHEET # S-2
FOR SIGN LOCATIONS

PALOMINO LANE
SIGNING AND PAVEMENT MARKING

DAVID W. DOWLING
P.E. NO.: 56587
HOLE MONTES, INC.
6200 WHISKEY CREEK DRIVE
FORT MYERS, FL. 33919
CERTIFICATE OF AUTHORIZATION No. 1772

100% SUBMITTAL
NOTE:
SEE SIGN TABLE ON SHEET # S-2
FOR SIGN LOCATIONS
NOTE:
SEE SIGN TABLE ON SHEET # S-2
FOR SIGN LOCATIONS
NOTE:
SEE SIGN TABLE ON SHEET # S-2
FOR SIGN LOCATIONS

EXIST. RW.
NOTE:
SEE SIGN TABLE ON SHEET # S-2
FOR SIGN LOCATIONS
NOTE:
SEE SIGN TABLE ON SHEET # S-2 FOR SIGN LOCATIONS
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SEE SIGN TABLE ON SHEET # S-2
FOR SIGN LOCATIONS
NOTE: SEE SIGN TABLE ON SHEET # S-2 FOR SIGN LOCATIONS

HOLE MONTES, INC.
6200 WHISKEY CREEK DRIVE
FORT MYERS, FL. 33919
CERTIFICATE OF AUTHORIZATION No.1772

DAVID W. DOWLING
P.E. NO.: 56587

PENZANCE BLVD.

PALOMINO LANE

EXIST. R/W.

STOP BAR
15 LF - 24" SOLID WHITE
711-11-125

STOP BAR
11 LF - 24" SOLID WHITE
711-11-125

STOP BAR
25 LF - 18" SOLID YELLOW
711-11-224

STOP BAR
10 LF - 24" SOLID WHITE
711-11-125

0.036 GM (191 LF) - 6" SOLID YELLOW
WITH Y/Y RPM'S @ 20'
711-11-201/706-3

0.027 GM (142 LF) - 6" SOLID WHT
711-11-101

0.027 GM (139 LF) - 6" SOLID WHT
711-11-101

0.006 GM (30 LF) - 6" SOLID YELLOW
WITH Y/Y RPM'S @ 20'
711-11-201/706-3

0.018 GM (97 LF) - 6" SOLID WHT
WITH W/R RPM'S @ 40'
711-11-101/706-3

0.026GM (139 LF) - 6" SOLID WHT
711-11-101

0.025 GM (132 LF) - 6" SOLID WHT
711-11-101

0.076 GM (400 LF) - 6" SOLID YELLOW
WITH Y/Y RPM'S @ 40'
711-11-201/706-3

DAYTIME ARROW
11' THRMPLSTIC (TYP.)
711-11-170

0.036 GM (191 LF) - 6" SOLID YELLOW
WITH Y/Y RPM'S @ 20'
711-11-201/706-3

0.027 GM (142 LF) - 6" SOLID WHT
711-11-101

0.027 GM (139 LF) - 6" SOLID WHT
711-11-101

0.006 GM (30 LF) - 6" SOLID YELLOW
WITH Y/Y RPM'S @ 20'
711-11-201/706-3

0.018 GM (97 LF) - 6" SOLID WHT
WITH W/R RPM'S @ 40'
711-11-101/706-3

0.026GM (139 LF) - 6" SOLID WHT
711-11-101

0.025 GM (132 LF) - 6" SOLID WHT
711-11-101

0.076 GM (400 LF) - 6" SOLID YELLOW
WITH Y/Y RPM'S @ 40'
711-11-201/706-3