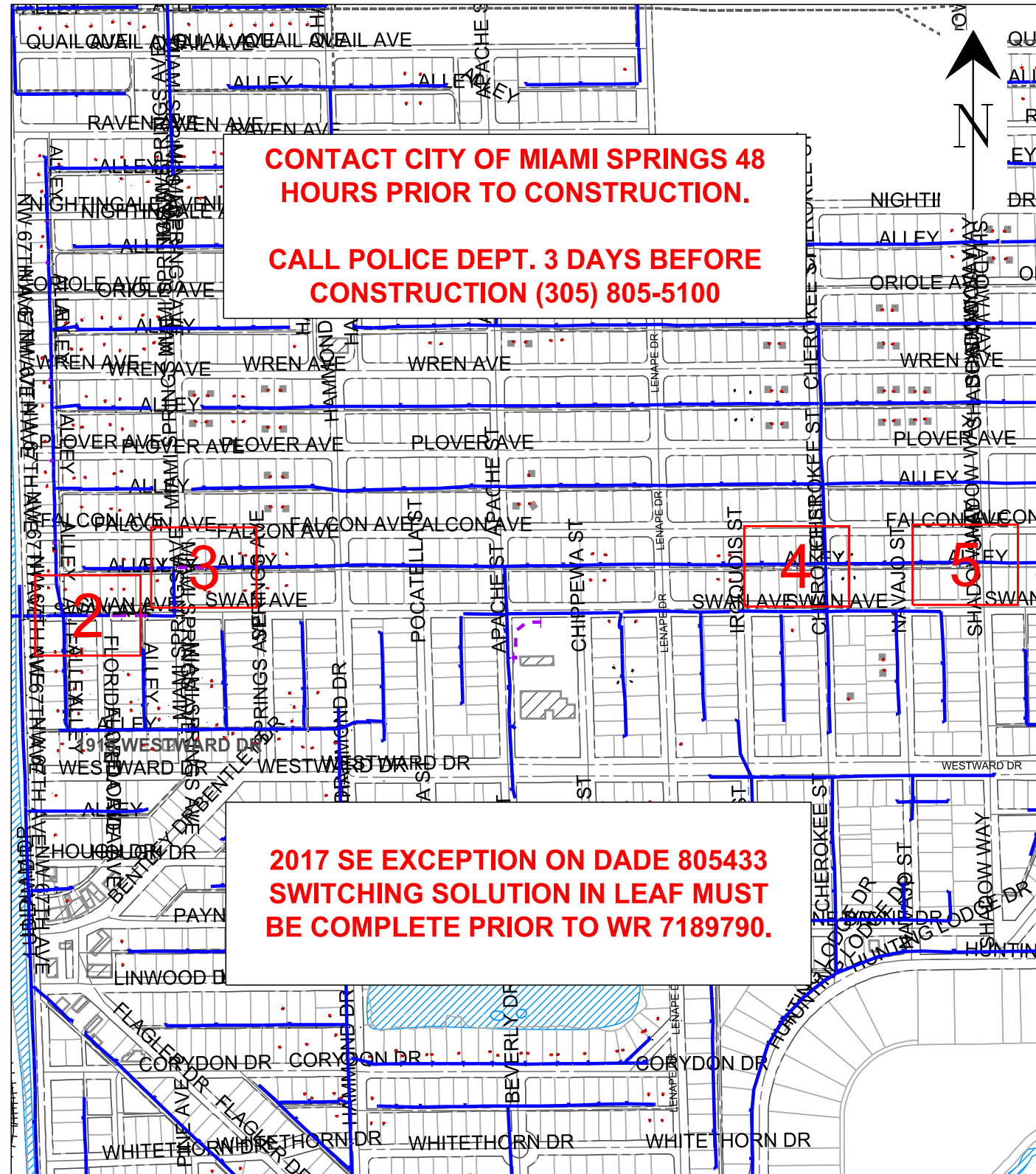


Cover Sheet: WR#7189790

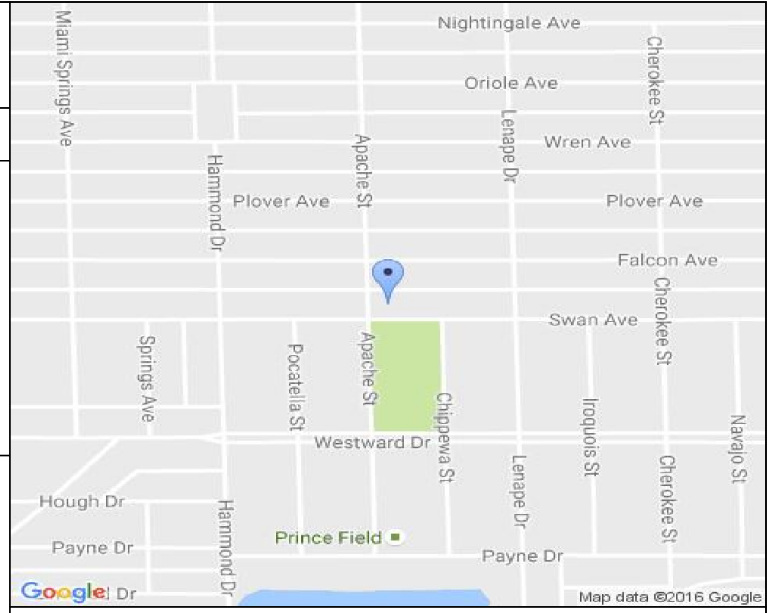


GENERAL NOTES

- NOTIFY CUSTOMERS OF TEMPORARY POWER AND TRAFFIC INTERRUPTIONS.
- PROVIDE WARNING SIGNALS FOR PEDESTRIANS AND TRAFFIC SIGNALS FOR MOTORISTS.
- SERVICE TO TRAFFIC SIGNAL, SCHOOL FLASHING SIGNAL, AND LIFT STATIONS MUST REMAIN ENERGIZED AT ALL TIMES.

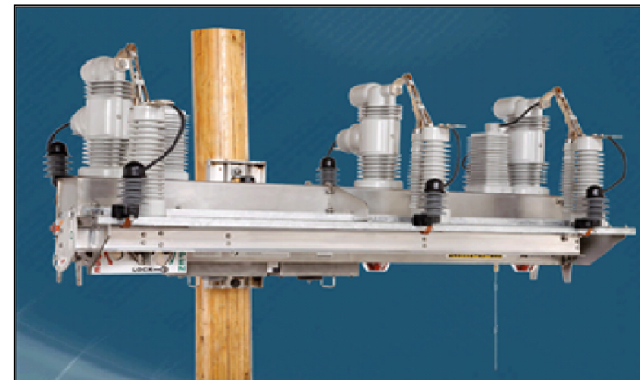
STAKING NOTES

- INTERMEDIATE POLES: STAKE POLES IN-LINE AT STATED DISTANCES.
- POLE REPLACEMENT: STAKE POLES IN-LINE AND WITHIN 2' EITHER SIDE OF EXISTING POLE UNLESS OTHERWISE NOTED.



Construction Notes:

1. FRAME IN-LINE BY-PASS SWITCHES ON CROSSARM WITH B-PHASE IN ARM POSITION TO MATCH THE SWITCH POLE ARRANGEMENT OF THE IR. PER DCS C-9.5.0 ATTACHED.
2. BY-PASS SWITCHES ARE TO BE LOCATED ON SIDE OPPOSITE IR. INSTALL SWITCHES SO THE BLADES OPEN AWAY FROM THE POLE.
3. NORMALLY CLOSED INTELLIRUPTER – THE INTELLIRUPTER IS TO BE MOUNTED ON THE SIDE OF THE POLE OPPOSITE THE NORMAL SOURCE (SO THAT THE ISOLATION SWITCHES OPEN AWAY FROM THE SUBSTATION).
4. NORMALLY OPEN INTELLIRUPTER – THE INTELLIRUPTER IS TO BE MOUNTED ON THE SIDE OF THE POLE TOWARDS THE NORMAL SOURCE OF THE FEEDER.



CALL SUNSHINE #811 48 HOURS BEFORE YOU DIG

LOCATE MARKINGS COLOR CODE

| | | | |
|---------------|-----------------------|---------------|----------|
| RED | ELECTRIC | BLUE | WATER |
| YELLOW | GAS-OIL-STEAM | GREEN | SEWER |
| PINK | TEMP. SURVEY MARKINGS | ORANGE | CABLE TV |
| WHITE | PROPOSED EXCAVATION | | |

American Disabilities Act

If pole placement location does not meet the minimum single point distance of 32" from edge of curb or back of sidewalk, contact your Production Lead, for further instructions.

PLOT DATE/TIME: 10/17/2016 10:16:04
 PRINTED BY: DXD02B5
 Size: 11 x 17
 REVISION
 IPC
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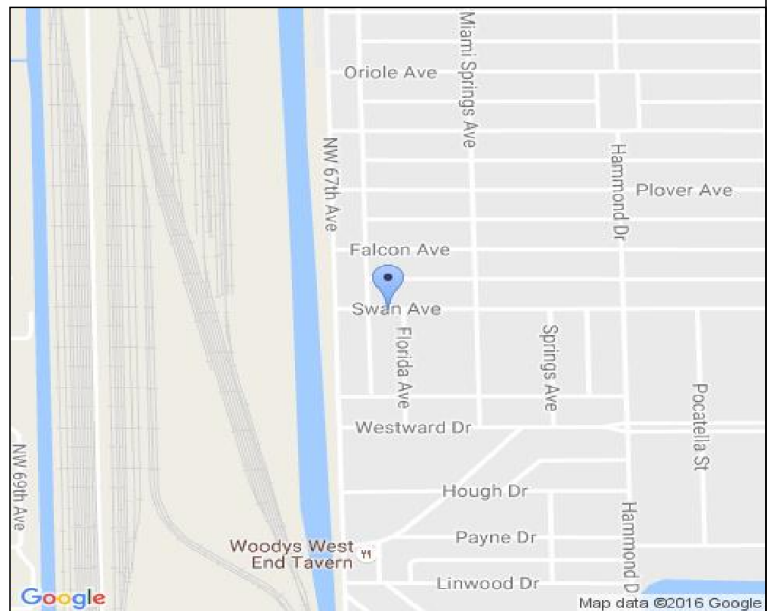
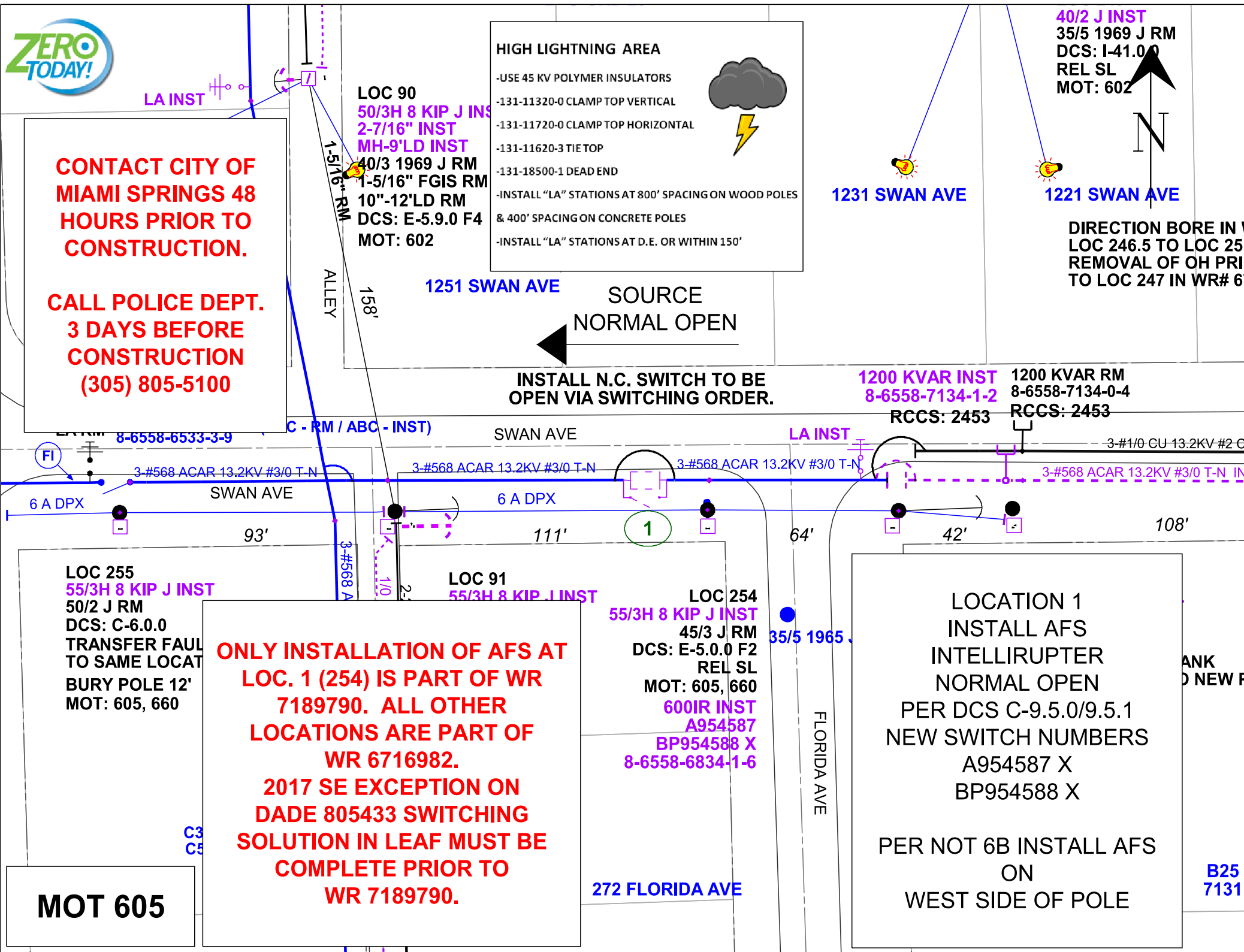


| | | | |
|-----------------------------------|--|----------------------------|-------------------------|
| Easement? [] | Tree Work? [] | Tree Access? [] | Tree Staking Req'd? [] |
| Designer/Stake? [] | CT/Special Mtr? [] | Work with SMO? [] | Survey/Stake? [] |
| POLE LINE FT: | POLE LINE FT. ON TRANSM. POLES: | TRENCH FT: | DUCT BANK FT: |
| PERMIT REQ'D | CITY [X] COUNTY RD [] COUNTY AIR [] STATE RD [] FAA [] | | |
| | WMD [] RR XING [] DR. DIST. [] TRANSM. [] | | |
| Requested Tel. Co. Set Poles? [] | Requested Tel. Co. Transfer? [] | Request CATV Transfer? [] | |



| | | | |
|------------------|---------------|---|-----------------------------------|
| Job Owner: | Robert Busker | M/A: WD | Township: 53 Range: 40 Section 24 |
| Designer: | Dave Deangelo | AFS17OH - 2017 AFS PLAN- HIALEAH SUB, FEEDER 800732, INST 2 AFS | |
| Date: | 10/17/2016 | | |
| Scale: 1" = 583' | | | |
| 0' 583' 1167' | | Dwg No. 7189790_11x17 AFS NEW.xml | Map No. AO0260 |
| | | WR: 7189790 | Page 1 of 6 |

FEEDERS: DADE 05433 [] INACCESSIBLE [X] 13KV [] FUTURE 23KV [] 23KV [] SALT SPRAY [X] ROCK



INTELLIRUPTER DATA

Switch # _____
(Ex: A12345)

Switch Serial # _____
(Ex: 08-0001234)

Communication Module Serial# _____
(Ex: 4554-0046-000083)

Control Module Serial# _____
(Ex: 4554-0046-000083)

Address _____

INTELLIRUPTER CHECKLIST

- Air-Gaps Left Closed
- Battery Inside Communication Module Connected
- #4 Cu ground wire connected from back of switch directly to pole ground (not to neutral)
- Arrester Ground Straps Connected to Switch Arm
- Antenna Installed

Feet of ground rod installed _____

Ground Resistance (Ohms) _____

REVISION
Size: 11 x 17
PRINTED BY: DXD02B5
PLOT DATE/TIME: 10/17/2016 10:16:06

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|---|------|---------------|------------|
| AS-BUILT CREW PRINT | | AS-BUILT COPY | |
| Foreman's Signature | Date | Initials | Cert. Date |
| Job CERTIFIED COMPLETED as shown on this AS-BUILT print. Material changes shown on ROS. | | | |
| Supervisor's Signature | Date | | |
| All required ground rods have been driven & verified to be within FPL standards. Values are shown at all locations. | | | |
| Foreman's Signature | Date | | |

| | | | |
|-----------------------------------|----------------------------------|----------------------------|-------------------------|
| Easement? [] | Tree Work? [] | Tree Access? [] | Tree Staking Req'd? [] |
| Designer/Stake? [] | CT/Special Mtr? [] | Work with SMO? [] | Survey/Stake? [] |
| POLE LINE FT: | POLE LINE FT. ON TRANSM. POLES: | TRENCH FT: | DUCT BANK FT: |
| PERMIT REQ'D | CITY [X] | COUNTY RD [] | COUNTY AIR [] |
| | STATE RD [] | FAA [] | |
| | WMD [] | RR XING [] | DR. DIST. [] |
| | TRANSM. [] | | |
| Requested Tel. Co. Set Poles? [] | Requested Tel. Co. Transfer? [] | Request CATV Transfer? [] | |

| | | | | |
|-----------------|------------|-----------------------------------|---|-----------------------------------|
| | Job Owner: | Robert Busker | M/A: WD | Township: 53 Range: 40 Section 24 |
| | Designer: | Dave Deangelo | AFS17OH - 2017 AFS PLAN- HIALEAH SUB, FEEDER 800732, INST 2 AFS | |
| | Date: | 10/17/2016 | | |
| Scale: 1" = 40' | | | | |
| | | Dwg No. 7189790_11x17 AFS NEW.xml | Map No. AO0260 | |
| | | WR: 7189790 | Page 2 of 6 | |

FEEDERS: DADE 05433, HIALEAH 00732 [] INACCESSIBLE [X] 13KV [] FUTURE 23KV [] 23KV [] SALT SPRAY [X] ROCK



HIGH LIGHTNING AREA

- USE 45 KV POLYMER INSULATORS
- 131-11320-0 CLAMP TOP VERTICAL
- 131-11720-0 CLAMP TOP HORIZONTAL
- 131-11620-3 TIE TOP
- 131-18500-1 DEAD END
- INSTALL "LA" STATIONS AT 800' SPACING ON WOOD POLES & 400' SPACING ON CONCRETE POLES
- INSTALL "LA" STATIONS AT D.E. OR WITHIN 150'

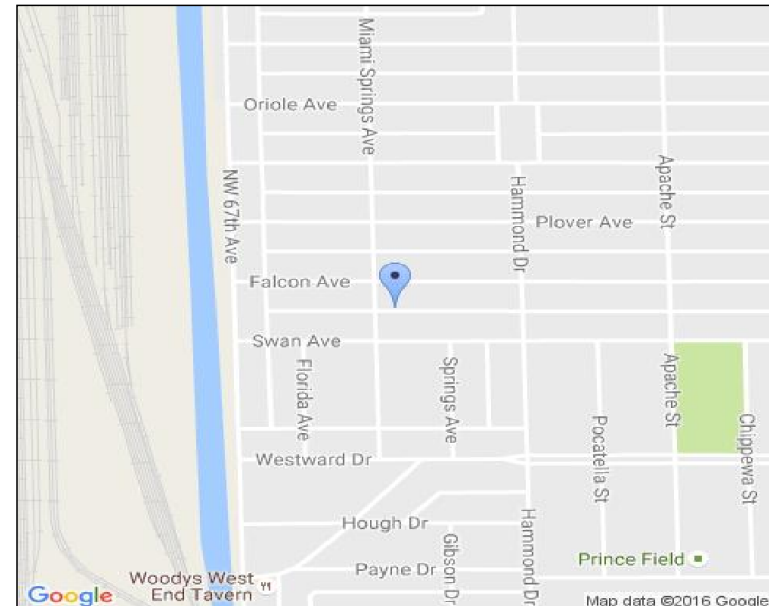


ALL SERVICE DROPS ARE 2 A TPX UNLESS OTHERWISE NOTED

BOUNDARY CHANGE UPON COMPLETION OF WR 7189790. SWITCH 47150 TO BE CLOSED DURING SWITCHING ORDER.

CONTACT CITY OF MIAMI SPRINGS 48 HOURS PRIOR TO CONSTRUCTION.

CALL POLICE DEPT. 3 DAYS BEFORE CONSTRUCTION (305) 805-5100



INTELLIRUPTER DATA

Switch # _____
(Ex: A12345)

Switch Serial # _____
(Ex: 08-0001234)

Communication Module Serial# _____
(Ex: 4554-0046-000083)

Control Module Serial# _____
(Ex: 4554-0046-000083)

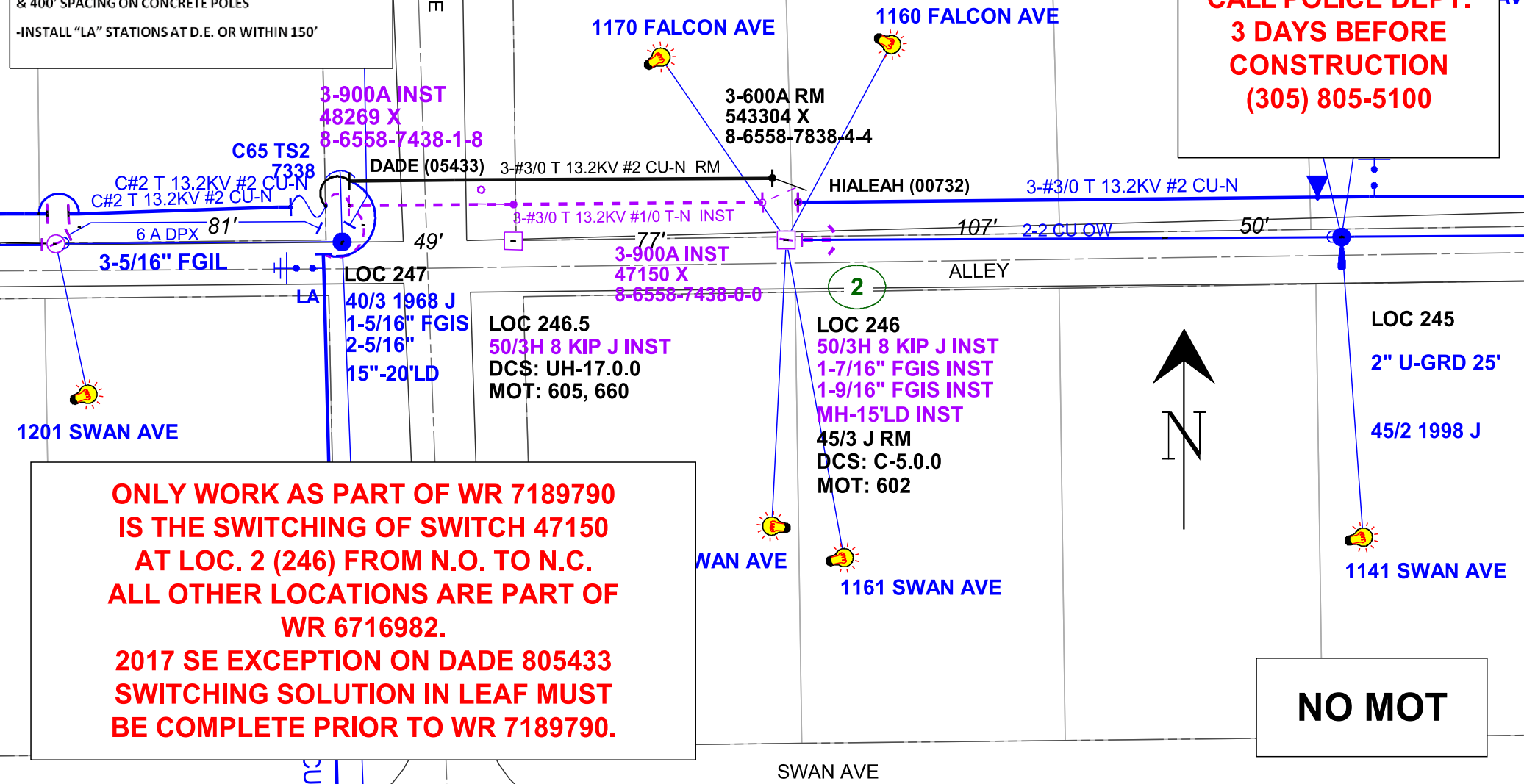
Address _____

INTELLIRUPTER CHECKLIST

- Air-Gaps Left Closed
- Battery Inside Communication Module Connected
- #4 Cu ground wire connected from back of switch directly to pole ground (not to neutral)
- Arrester Ground Straps Connected to Switch Arm
- Antenna Installed

Feet of ground rod installed _____

Ground Resistance (Ohms) _____



ONLY WORK AS PART OF WR 7189790 IS THE SWITCHING OF SWITCH 47150 AT LOC. 2 (246) FROM N.O. TO N.C. ALL OTHER LOCATIONS ARE PART OF WR 6716982.

2017 SE EXCEPTION ON DADE 805433 SWITCHING SOLUTION IN LEAF MUST BE COMPLETE PRIOR TO WR 7189790.

NO MOT

REVISION: Size: 11 x 17 PRINTED BY: DXD02B5 PLOT DATE/TIME: 10/17/2016 10:16:08

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|---|------|---------------|------------|
| AS-BUILT CREW PRINT | | AS-BUILT COPY | |
| Foreman's Signature | Date | Initials | Cert. Date |
| Job CERTIFIED COMPLETED as shown on this AS-BUILT print. Material changes shown on ROS. | | | |
| Supervisor's Signature | Date | | |
| All required ground rods have been driven & verified to be within FPL standards. Values are shown at all locations. | | | |
| Foreman's Signature | Date | | |

| | | | |
|-----------------------------------|----------------------------------|----------------------------|-------------------------|
| Easement? [] | Tree Work? [] | Tree Access? [] | Tree Staking Req'd? [] |
| Designer/Stake? [] | CT/Special Mtr? [] | Work with SMO? [] | Survey/Stake? [] |
| POLE LINE FT: | POLE LINE FT. ON TRANSM. POLES: | TRENCH FT: | DUCT BANK FT: |
| PERMIT REQ'D | CITY [X] | COUNTY RD [] | COUNTY AIR [] |
| | STATE RD [] | FAA [] | |
| | WMD [] | RR XING [] | DR. DIST. [] |
| | TRANSM. [] | | |
| Requested Tel. Co. Set Poles? [] | Requested Tel. Co. Transfer? [] | Request CATV Transfer? [] | |



| | | | |
|-----------------|---------------|---|-----------------------------------|
| Job Owner: | Robert Busker | M/A: WD | Township: 53 Range: 40 Section 24 |
| Designer: | Dave Deangelo | AFS170H - 2017 AFS PLAN- HIALEAH SUB, FEEDER 800732, INST 2 AFS | |
| Date: | 10/17/2016 | | |
| Scale: 1" = 40' | | | |
| 0' 40' 80' | | Dwg No. 7189790_11x17 AFS NEW.xml | Map No. AO0260 |
| | | WR: 7189790 | Page 3 of 6 |

FEEDERS: HIALEAH 00732

[] INACCESSIBLE

[X] 13KV

[] FUTURE 23KV

[] 23KV

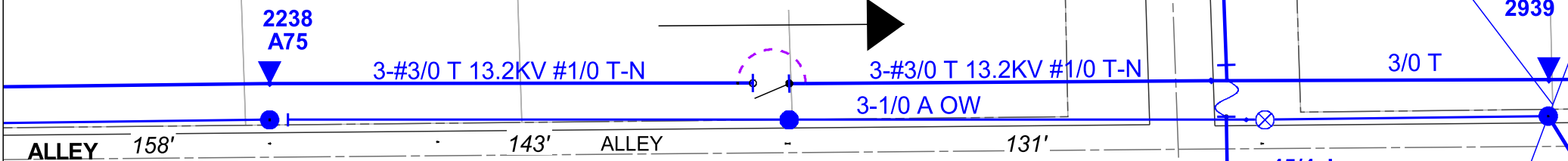
[] SALT SPRAY

[X] ROCK

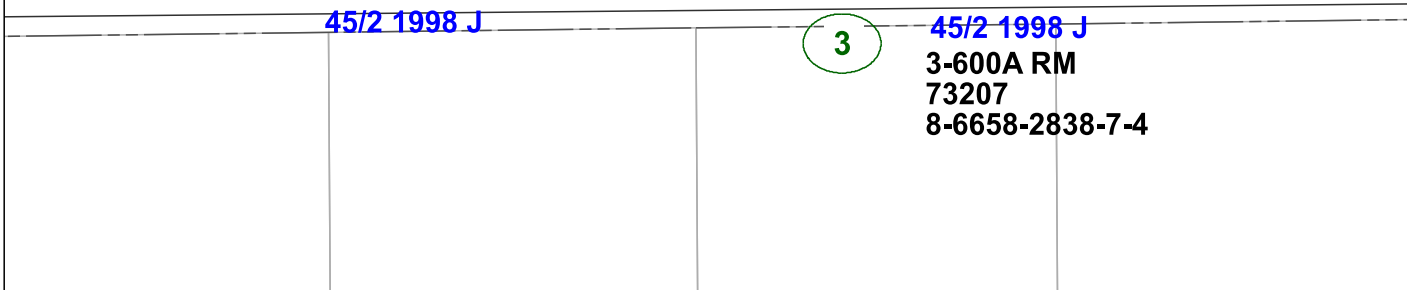


**2017 SE EXCEPTION ON DADE 805433
SWITCHING SOLUTION IN LEAF MUST
BE COMPLETE PRIOR TO WR 7189790.**

SOURCE



ALLEY 158' 143' ALLEY 131'



B#1/0 T 13.2KV #1/0 T

MOT 605

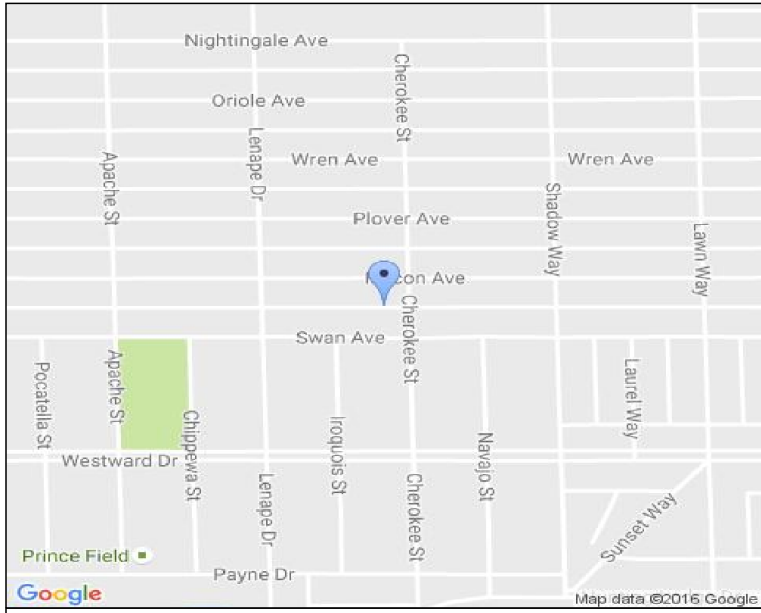
HIGH LIGHTNING AREA

- USE 45 KV POLYMER INSULATORS
- 131-11320-0 CLAMP TOP VERTICAL
- 131-11720-0 CLAMP TOP HORIZONTAL
- 131-11620-3 TIE TOP
- 131-18500-1 DEAD END
- INSTALL "LA" STATIONS AT 800' SPACING ON WOOD POLES & 400' SPACING ON CONCRETE POLES
- INSTALL "LA" STATIONS AT D.E. OR WITHIN 150'

CONTACT CITY OF MIAMI SPRINGS 48 HOURS PRIOR TO CONSTRUCTION.

CALL POLICE DEPT. 3 DAYS BEFORE CONSTRUCTION (305) 805-5100

LOCATION 1 REMOVE EXISTING SWITCH 73207 INSTALL JUMPERS ON EXISTING ARMS



INTELLIRUPTER DATA

Switch # _____
(Ex: A12345)

Switch Serial # _____
(Ex: 08-0001234)

Communication Module Serial# _____
(Ex: 4554-0046-000083)

Control Module Serial# _____
(Ex: 4554-0046-000083)

Address _____

INTELLIRUPTER CHECKLIST

- Air-Gaps Left Closed
- Battery Inside Communication Module Connected
- #4 Cu ground wire connected from back of switch directly to pole ground (not to neutral)
- Arrester Ground Straps Connected to Switch Arm
- Antenna Installed

Feet of ground rod installed _____

Ground Resistance (Ohms) _____

REVISION
Size: 11 x 17
PRINTED BY: DXD02B5
PLOT DATE/TIME: 10/17/2016 10:16:09

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| DATE | |
| IPC | |
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|---------------------|------|---------------|------------|
| AS-BUILT CREW PRINT | | AS-BUILT COPY | |
| Foreman's Signature | Date | Initials | Cert. Date |

| | | | | |
|---|---------------------|-----------------------------------|----------------------------------|----------------------------|
| Job CERTIFIED COMPLETED as shown on this AS-BUILT print. Material changes shown on ROS. | | | | |
| Easement? [] | Tree Work? [] | Tree Access? [] | Tree Staking Req'd? [] | |
| Designer/Stake? [] | CT/Special Mtr? [] | Work with SMO? [] | Survey/Stake? [] | |
| Supervisor's Signature | Date | POLE LINE FT: | POLE LINE FT. ON TRANSM. POLES: | TRENCH FT: |
| All required ground rods have been driven & verified to be within FPL standards. Values are shown at all locations. | | | | |
| PERMIT REQ'D | CITY [X] | COUNTY RD [] | COUNTY AIR [] | STATE RD [] |
| | WMD [] | RR XING [] | DR. DIST. [] | TRANS. [] |
| Foreman's Signature | Date | Requested Tel. Co. Set Poles? [] | Requested Tel. Co. Transfer? [] | Request CATV Transfer? [] |



| | | | | | |
|----------------------|---------------|---|----------------|-----------|-------------------------|
| Job Owner: | Robert Busker | M/A: | WD | Township: | 53 Range: 40 Section 24 |
| Designer: | Dave Deangelo | AFS17OH - 2017 AFS PLAN- HIALEAH SUB, FEEDER 800732, INST 2 AFS | | | |
| Date: | 10/17/2016 | Scale: 1" = 40' | | | |
| 0' 40' 80' | | Dwg No. 7189790_11x17 AFS NEW.xml | Map No. AN0260 | | |
| | | WR: 7189790 | Page 4 of 6 | | |

FEEDERS: HIALEAH 00732

[] INACCESSIBLE

[X] 13KV

[] FUTURE 23KV

[] 23KV

[] SALT SPRAY

[X] ROCK

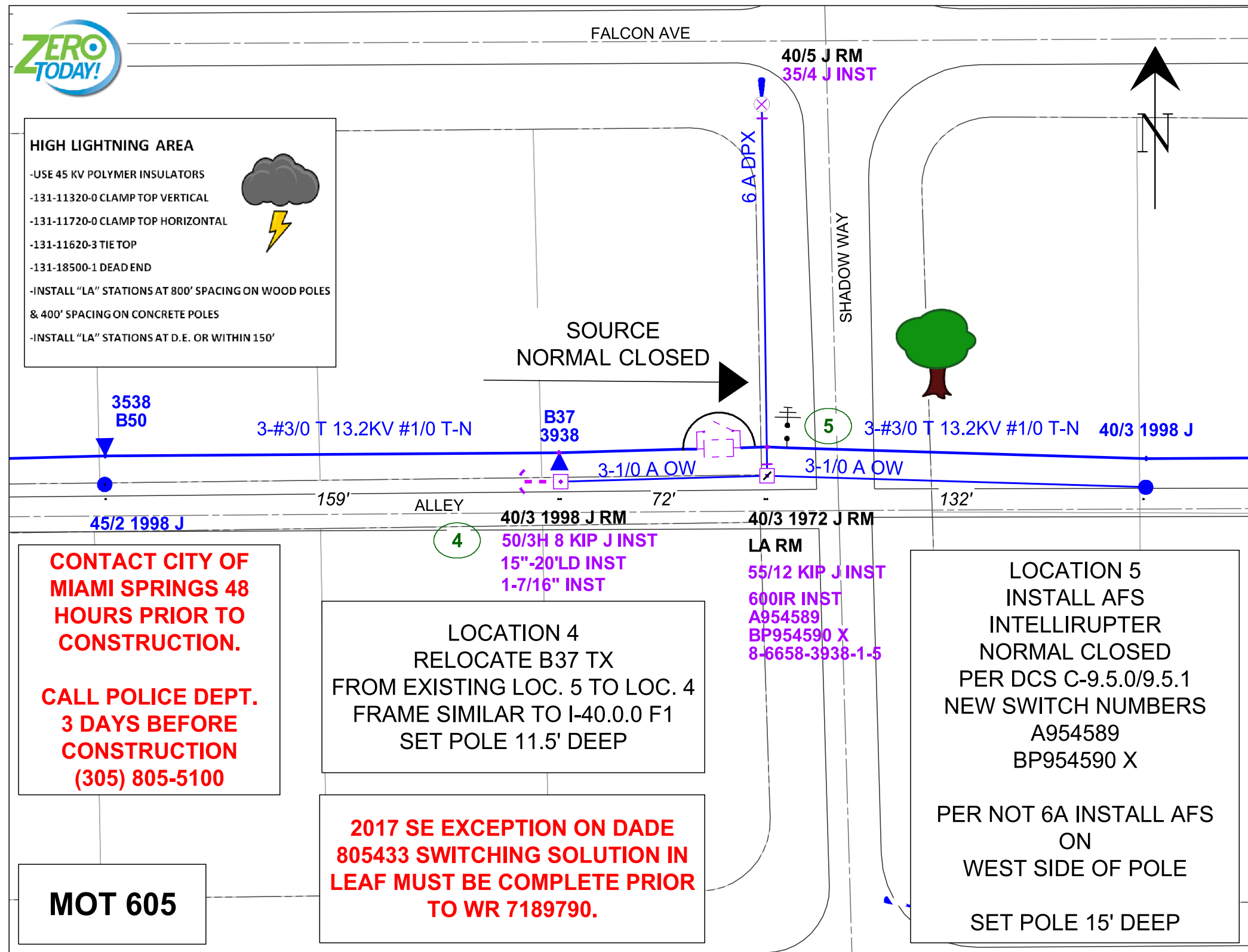


HIGH LIGHTNING AREA

- USE 45 KV POLYMER INSULATORS
- 131-11320-0 CLAMP TOP VERTICAL
- 131-11720-0 CLAMP TOP HORIZONTAL
- 131-11620-3 TIE TOP
- 131-18500-1 DEAD END
- INSTALL "LA" STATIONS AT 800' SPACING ON WOOD POLES & 400' SPACING ON CONCRETE POLES
- INSTALL "LA" STATIONS AT D.E. OR WITHIN 150'



SOURCE
NORMAL CLOSED



CONTACT CITY OF MIAMI SPRINGS 48 HOURS PRIOR TO CONSTRUCTION.

CALL POLICE DEPT. 3 DAYS BEFORE CONSTRUCTION (305) 805-5100

LOCATION 4
RELOCATE B37 TX FROM EXISTING LOC. 5 TO LOC. 4
FRAME SIMILAR TO I-40.0.0 F1
SET POLE 11.5' DEEP

2017 SE EXCEPTION ON DADE 805433 SWITCHING SOLUTION IN LEAF MUST BE COMPLETE PRIOR TO WR 7189790.

LA RM
55/12 KIP J INST
600IR INST
A954589
BP954590 X
8-6658-3938-1-5

LOCATION 5
INSTALL AFS
INTELLIRUPTER
NORMAL CLOSED
PER DCS C-9.5.0/9.5.1
NEW SWITCH NUMBERS
A954589
BP954590 X

PER NOT 6A INSTALL AFS ON WEST SIDE OF POLE
SET POLE 15' DEEP



INTELLIRUPTER DATA

Switch # _____
(Ex: A12345)

Switch Serial # _____
(Ex: 08-0001234)

Communication Module Serial# _____
(Ex: 4554-0046-000083)

Control Module Serial# _____
(Ex: 4554-0046-000083)

Address _____

INTELLIRUPTER CHECKLIST

- Air-Gaps Left Closed
- Battery Inside Communication Module Connected
- #4 Cu ground wire connected from back of switch directly to pole ground (not to neutral)
- Arrester Ground Straps Connected to Switch Arm
- Antenna Installed

Feet of ground rod installed _____

Ground Resistance (Ohms) _____

REVISION
Size: 11 x 17
PRINTED BY: DXD02B5
PLOT DATE/TIME: 10/17/2016 10:16:11

| DATE | IPC |
|------|-----|
| | 1 |
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| | 4 |

MOT 605

| | | | |
|---------------------|------|---------------|------------|
| AS-BUILT CREW PRINT | | AS-BUILT COPY | |
| Foreman's Signature | Date | Initials | Cert. Date |

Job CERTIFIED COMPLETED as shown on this AS-BUILT print. Material changes shown on ROS.

Supervisor's Signature _____ Date _____

All required ground rods have been driven & verified to be within FPL standards. Values are shown at all locations.

Foreman's Signature _____ Date _____

| | | | |
|-----------------------------------|----------------------------------|----------------------------|-------------------------|
| Easement? [] | Tree Work? [] | Tree Access? [] | Tree Staking Req'd? [] |
| Designer/Stake? [] | CT/Special Mtr? [] | Work with SMO? [] | Survey/Stake? [] |
| POLE LINE FT: | POLE LINE FT. ON TRANSM. POLES: | TRENCH FT: | DUCT BANK FT: |
| PERMIT REQ'D | CITY [X] | COUNTY RD [] | COUNTY AIR [] |
| | STATE RD [] | FAA [] | |
| | WMD [] | RR XING [] | DR. DIST. [] |
| | TRANSM. [] | | |
| Requested Tel. Co. Set Poles? [] | Requested Tel. Co. Transfer? [] | Request CATV Transfer? [] | |



| | | |
|-----------------|---------------|-----|
| Job Owner: | Robert Busker | |
| Designer: | Dave Deangelo | |
| Date: | 10/17/2016 | |
| Scale: 1" = 40' | | |
| 0' | 40' | 80' |

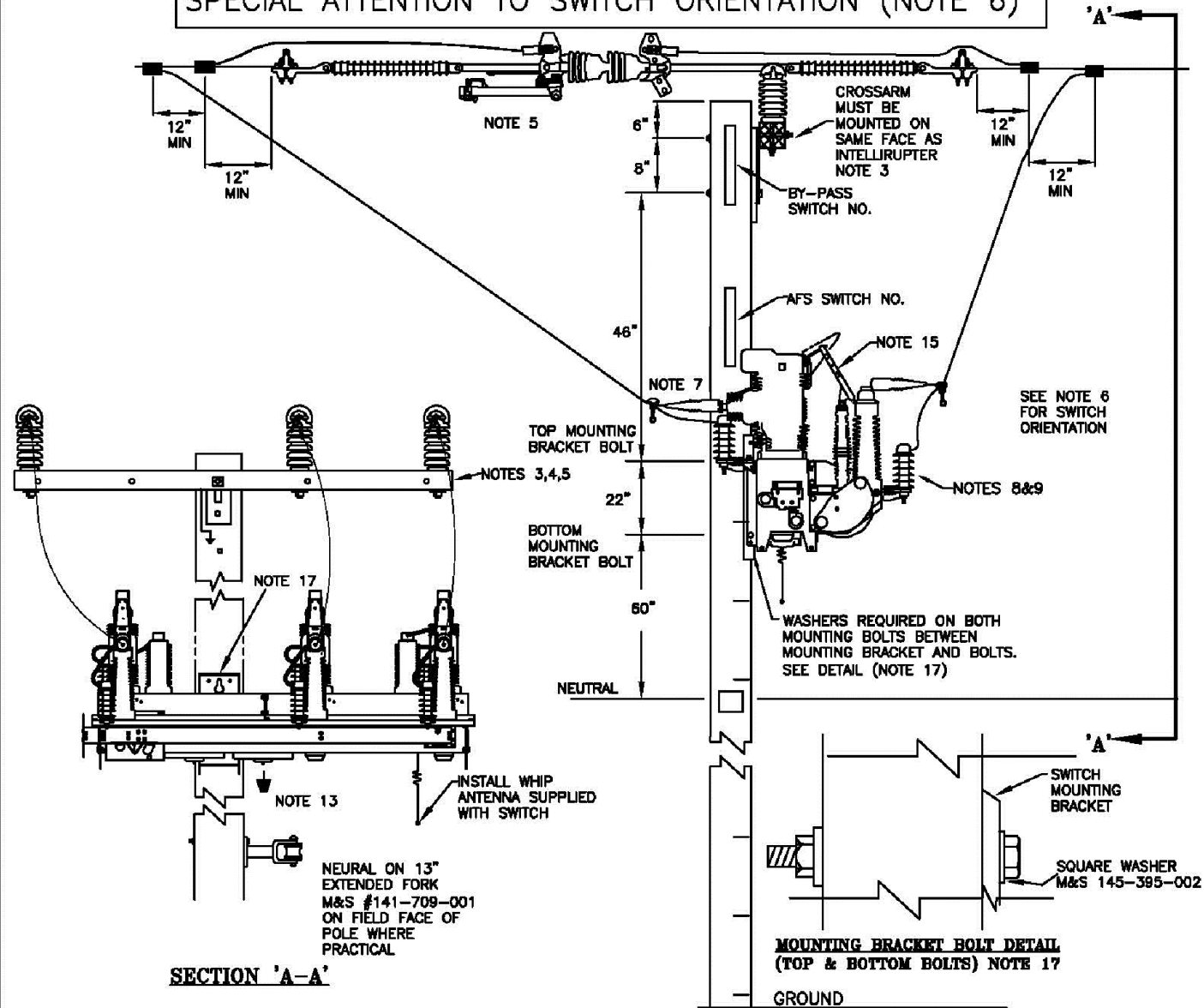
| | |
|---|-----------------------------------|
| M/A: WD | Township: 53 Range: 40 Section 24 |
| AFS17OH - 2017 AFS PLAN- HIALEAH SUB, FEEDER 800732, INST 2 AFS | |
| Dwg No. 7189790_11x17 AFS NEW.xml | Map No. AN0260 |
| WR: 7189790 | Page 5 of 6 |

C-9.5.0

INTELLIRUPTER PULSECLOSER SWITCH

C-9.5.0

REFER TO THE NOTES ON NEXT PAGE (C-9.5.1), WITH SPECIAL ATTENTION TO SWITCH ORIENTATION (NOTE 6)



| WMS MU | | MATERIALS LIST | |
|---------------------------|--|--|---|
| | | MAJOR COMPONENTS | M&S |
| RC-3PH-ELEC-SCIR-SW-MOD/M | | S&C INTELLIRUPTER SWITCH AND MODULE PACKAGE (INCLUDES PRIMARY JUMPERS AND ARRESTERS) | VARIOUS (SEE BELOW) |
| RC-3PH-ELEC-SCIR | | S&C INTELLIRUPTER SWITCH ONLY (INCLUDES PRIMARY JUMPERS) | 340-740-155 (13KV) 340-750-270 (23KV) |
| RC-3PH-ELEC-SCIR-CTL-MOD | | S&C INTELLIRUPTER CONTROL MODULE ONLY | 340-745-580 |
| RC-3PH-ELEC-SCIR-COM-MOD | | S&C INTELLIRUPTER COMMUNICATION MODULE ONLY | 340-745-550 (SSN eBRIDGE RADIO) 340-745-620 (COMM MODULE) 340-745-590 (COMM MODULE W/SPEEDNET RADIO) 340-745-610 (COM MODULE W/UTILINET RADIO) |

| NO. | DATE | REVISION | ORIG. | DRAWN | APPR. |
|-----|----------|----------------|-------|-------|-------|
| 6 | 10/17/14 | UPDATE DRAWING | AXR | ELS | RDH |
| 5 | 10/18/13 | UPDATE TABLE | JR | ELS | WM |
| 4 | 6/10/13 | UPDATE TABLE | ARR | ELS | WM |
| 3 | 5/1/13 | UPDATE DRAWING | ARR | ELS | WM |
| 2 | 10/2/12 | UPDATE TABLE | JJR | ELS | WM |
| 1 | 3/22/12 | ADD TABLE | JJR | ELS | WM |

F P L
OH & UG DISTRIBUTION SYSTEM STANDARDS

ORIGINATOR: C. AMBROISE DRAWN BY: E. SCHILLING
DATE: 2/18/2010 APPROVED: ARI LIMA NO SCALE
LEAS SUPERVISOR, UG PRODUCT

C-9.5.1

INTELLIRUPTER PULSECLOSER SWITCH

C-9.5.1

NOTES:

- INTELLIRUPTER [IR] SWITCHES ARE TO BE INSTALLED IN ACCESSIBLE LOCATIONS ONLY.
- ALL NEW OR REPLACEMENT POLES ARE TO BE CONCRETE, CLASS III-H OR 8 KIP SPUN. POLE CLASSES ARE TO BE INCREASED IF WIND LOADING GUIDELINES DICTATE.
- USE 102" STEEL CROSSARM M&S #141-512-004. CROSSARM AND IR SHOULD BE MOUNTED ON THE SAME POLE FACE.
- FRAME IN-LINE BY-PASS SWITCHES ON CROSSARM WITH B PHASE IN ARM POSITION TO MATCH THE SWITCH POLE ARRANGEMENT OF THE IR SIMILAR TO E-14.0.0 (EXCEPT NO ARRESTERS ON CROSSARM).
- BY-PASS SWITCHES ARE TO BE LOCATED ON SIDE OPPOSITE IR. INSTALL SWITCHES SO THE BLADES OPEN AWAY FROM THE POLE.
- SWITCH ORIENTATION IS EXTREMELY IMPORTANT AND SHALL BE CLEARLY MARKED ON JOB PRINT. IF THERE ARE ANY QUESTIONS OR IT IS UNCLEAR WHAT THE SWITCH ORIENTATION IS, THEN DISTRIBUTION RELIABILITY PLANNING SHALL BE CONTACTED FOR CLARIFICATION.
 - A. NORMALLY CLOSED INTELLIRUPTER
THE INTELLIRUPTER IS TO BE MOUNTED ON THE SIDE OF THE POLE OPPOSITE THE NORMAL SOURCE (SO THAT THE ISOLATION SWITCHES OPEN AWAY FROM THE SUBSTATION).
 - B. NORMALLY OPEN INTELLIRUPTER
THE INTELLIRUPTER IS TO BE MOUNTED ON THE SIDE OF THE POLE TOWARDS THE NORMAL SOURCE FEEDER.
 - C. FOR A NORMALLY OPEN IR THE "NORMAL SOURCE" FEEDER IS THE FEEDER WITH THE LOWER SUBSTATION NAME (ALPHA). IF BOTH FEEDERS ARE FROM THE SAME SUBSTATION, THEN THE LOW NUMBERED FEEDER (NUMERIC) IS THE "NORMAL SOURCE".
- ANIMAL PROTECTION COVERS FOR THE TERMINAL PADS ARE STANDARD AND ARE INCLUDED WITH THE SWITCH.
- USE #4C COVERED WIRE (111-595-009). ARRESTER PRIMARY LEADS SHOULD BE AS SHORT AS PRACTICAL FOR BEST SURGE PROTECTION.
- USE 12"x1" CU FLAT STRAPS, M&S # (112-107-008) TO GROUND ARRESTERS TO SWITCH BODY..
- INSTALL RISER POLE TYPE ARRESTERS, ONE PER PHASE, ON EACH SIDE OF THE AFS SWITCH BRACKET (TOTAL OF SIX ARRESTERS).
10KV FOR USE IN 13KV AREAS, M&S # 334-221-004
18KV FOR USE IN 23KV AREAS, M&S # 334-228-556
- JUMPERS TO BE 568T FOR ALUMINUM FEEDERS, AMPACT TO FEEDER
- FOR SMALLER, NON "FEEDER BACKBONE" APPLICATIONS, REFER TO THE JUMPER SIZING CHART SHOWN IN C-8.0.0
 - A. FOR 2/0C AND 4/0C JUMPERS, USE HOTLINE CLAMPS AND STIRRUPS.
 - B. FOR 350C JUMPERS, USE MECHANICAL CONNECTORS, M&S 102-700-008
- GROUND INTELLIRUPTER DIRECTLY TO NEAREST AVAILABLE POLE GROUND ON THE POLE WITH #4 CU CONDUCTOR USING CONNECTOR ON BOTTOM REAR SIDE OF SWITCH. NEUTRAL CONDUCTOR SHOULD ALSO BE CONNECTED TO POLE GROUND NEAR NEUTRAL SUPPORT.
- PUT THE INTELLIRUPTER SWITCH NUMBER ON THE POLE ABOVE INTELLIRUPTER SWITCH. PUT THE BY-PASS SWITCH NUMBER ON THE POLE UNDER THE BY-PASS SWITCH AND AS CLOSE TO THE BY-PASS SWITCH AS PRACTICAL. POLE MOUNTED NUMBERS ARE TO BE ON STREET FACE.
- INTELLIRUPTER ISOLATION SWITCH (VISIBLE AIR-GAP) TO REMAIN CLOSED, UNLESS REQUIRED FOR VISIBLE ISOLATION.
- CONNECT THE BATTERY IN THE COMMUNICATION MODULE JUST PRIOR TO ENERGIZING THE INTELLIRUPTER. IF THE INTELLIRUPTER IS INSTALLED WITHOUT BEING ENERGIZED, THE BATTERY CONNECTION SHOULD BE DEFERRED UNTIL A TIME JUST PRIOR TO ENERGIZING THE INTELLIRUPTER (SO THAT THE BATTERY WILL NOT BE DISCHARGED IN THE ABSENCE OF AN ACTIVE CHARGING CIRCUIT).
- TOP AND BOTTOM MOUNTING BRACKET BOLTS REQUIRE A SQUARE WASHER (M&S #145-395-002) BETWEEN THE MOUNTING BRACKET AND THE HEAD OF THE BOLT.

| NO. | DATE | REVISION | ORIG. | DRAWN | APPR. |
|-----|----------|----------------------------|-------|-------|-------|
| 5 | 10/17/14 | ADD NOTE 17 | AXR | ELS | MRH |
| 4 | 5/27/14 | UPDATE NOTE 3 | DGY | ELS | RDH |
| 3 | 5/1/13 | GENERAL REVISION | AR | ELS | WM |
| 2 | 1/25/12 | REVISE ORIENTATION NOTE 6B | AR | ELS | WM |
| 1 | 9/8/11 | UPDATE NOTE 2 | LFV | ELS | BXN |

F P L
OH & UG DISTRIBUTION SYSTEM STANDARDS

ORIGINATOR: C. AMBROISE DRAWN BY: E. SCHILLING
DATE: 5/27/10 APPROVED: ARI LIMA NO SCALE
LEAD SUPERVISOR, UG PRODUCTS