

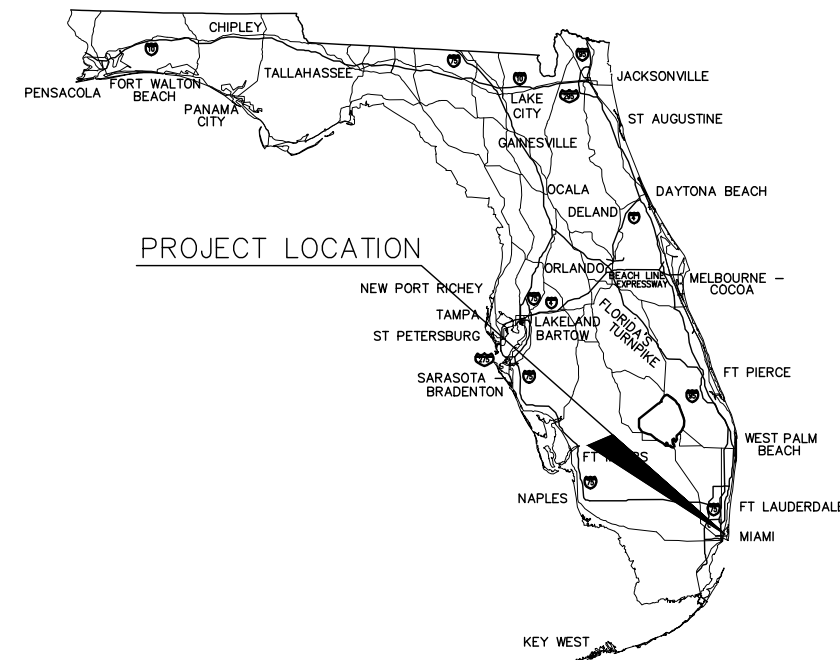


# CITY OF NORTH BAY VILLAGE

## TREASURE ISLAND ADA IMPROVEMENTS

### CONTRACT PLANS

FINANCIAL PROJECT ID  
444197-1-58-01 (D6)  
MIAMI DADE COUNTY  
PROJECT LIMITS:  
JOHN F KENNEDY CAUSEWAY  
FROM S TREASURE DR  
TO E TREASURE DR



**Bid Set**  
**ITB 2022-002**  
**FM#444197**

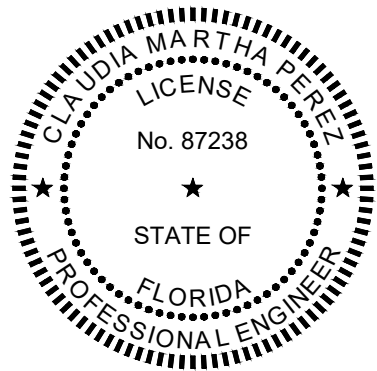
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LOCATION MAP  
N.T.S.

**NORTH BAY VILLAGE OFFICIALS**  
MAYOR: BRENT LATHAM  
VICE MAYOR: MARVIN WILMOTH  
COMMISSIONERS: JOSE R. ALVAREZ  
ANDREANA JACKSON  
JULIANNA STROUT  
VILLAGE MANAGER: RALPH ROSADO  
VILLAGE ATTORNEY: DANIEL A. ESPINO



**CONTRACT PLANS**  
**ENGINEER OF RECORD:**  
CLAUDIA M. PEREZ, P.E.  
P.E. NO.: 87238  
BCC ENGINEERING LLC  
6401 SW 87<sup>th</sup> AVENUE, SUITE 200  
MIAMI, FL 33173  
CERTIFICATE OF AUTHORIZATION NO.: 7184

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY CLAUDIA M. PEREZ, PE ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

| CONSTRUCTION CONTRACT NO. | FISCAL YEAR | SHEET NO. |
|---------------------------|-------------|-----------|
| —                         | 2021        | 1         |

**GOVERNING STANDARD PLANS:**  
Florida Department of Transportation, FY 2021–2022 Standard Plans for Road and Bridge Construction at the following website:  
<http://www.fdot.gov/design/StandardPlans/current/default.shtm>

**GOVERNING STANDARD SPECIFICATIONS:**  
Florida Department of Transportation, January 2021 Standard Specifications for Road and Bridge Construction at the following website:  
<http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

PROJECT LOCATION

| Treasure Island ADA Improvements |   |      |          |   |              |                     |
|----------------------------------|---|------|----------|---|--------------|---------------------|
| Pay Item No.                     | Pay Item Description  | Unit | Quantity |   | Design Notes | Construction Remark |
|                                  |   |      | P        | F |              |                     |
| 101-1                            | MOBILIZATION  | LS   | 1        |   |              |                     |
| 102-1                            | MAINTENANCE OF TRAFFIC (MOT)  | LS   | 1        |   |              |                     |
| 110-1-1                          | CLEAR & GRUBBING  | LS   | 1        |   |              |                     |
| 104-18                           | INLET PROTECTION SYSTEM   | EA   | 5        |   |              |                     |
| 110-4-10                         | REMOVAL OF EXISTING CONCRETE  | SY   | 420      |   |              |                     |
| 520-1-10                         | CONCRETE CURB & GUTTER, TYPE F  | LF   | 223      |   |              |                     |
| 520-2-4                          | CONCRETE CURB, TYPE D   | LF   | 61       |   |              |                     |
| 520-3                            | VALLEY GUTTER - CONCRETE  | LF   | 22       |   |              |                     |
| 522-1                            | CONCRETE SIDEWALK PAVEMENT 4"   | SY   | 370      |   |              |                     |
| 527-2                            | DETECTABLE WARNINGS   | SF   | 35       |   |              |                     |
| 653-1-60                         | PEDESTRIAN SIGNAL, REMOVE PED. SIGNAL, POLE/PEDESTAL TO REMAIN          | AS   | 2        |   |              |                     |
| 653-1-11                         | PEDESTRIAN SIGNAL, FURNISH & INSTALL, LED COUNTDOWN, 1 WAY              | EA   | 2        |   |              |                     |
| 665-1-12                         | PEDESTRIAN DETECTOR, FURNISH & INSTALL, ACCESSIBLE                      | EA   | 17       |   |              |                     |
| 670-5-400                        | TRAFFIC CONTROLLER ASSEMBLY, MODIFY                                     | EA   | 4        |   |              |                     |
| 630-2-11                         | CONDUIT FURNISH & INSTALL, OPEN TRENCH                                  | LF   | 190      |   |              |                     |
| 632-7-2                          | SIGNAL CABLE- REPAIR/REPLACE/OTHER, FURNISH & INSTALL                   | LF   | 930      |   |              |                     |
| 700-1-51                         | SINGLE POST SIGN, RELOCATE  | AS   | 3        |   |              |                     |
| 711-11123                        | THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT | LF   | 420      |   |              |                     |
| 711-11125                        | THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK  | LF   | 365      |   |              |                     |

**PAY ITEM NOTES**

- ITEM 0522-1 CONCRETE SIDEWALK PAVEMENT 4": CONTRACTOR TO CERTIFY THAT THE CONCRETE MEETS A 2,500 PSI AT 28 DAYS PER FDOT SECTION 347.
- ITEM 110-1-1 CLEAR & GRUBBING: THIS PAY ITEM IS A LUMP SUM PRICE. VEGETATION, DEBRIS, FLEXIBLE PAVEMENT, IN ALL AREAS WHERE EXCAVATION IS TO BE DONE. IT INCLUDES SHRUB AND TREE TRIMMING IDENTIFIED IN THE CONTRACT DOCUMENTS, AND THE REMOVAL AND DISPOSING OF EXISTING CONCRETE PAVEMENT, CONCRETE SIDEWALKS, SLOPE PAVEMENT, ASPHALT, DITCH PAVEMENT AND CURB AND GUTTER, WHERE REQUIRED BECAUSE OF CONSTRUCTION OPERATIONS, WHERE THE WORK IS NOT INCLUDED IN OTHER OPERATIONS.
- ITEM 104-18 INLET PROTECTION SYSTEM: REFER TO FDOT EROSION AND SEDIMENT CONTROL BEST PRACTICE MANAGEMENT MANUAL.
- ITEM 425-6 VALVE BOXES, ADJUST: THIS PAY ITEM WILL INCLUDE THE ADJUSTMENT OF THE FOLLOWING IF NEEDED: EXISTING MANHOLES, CATCH BASINS, INLETS, VALVE BOXES, METER BOXES, ETC., WITHIN THE LIMITS OF THE PROPOSED WORK, TO MEET THE FINISHED GRADE OF THE PROPOSED PAVEMENT, OR IF OUTSIDE OF THE PROPOSED PAVEMENT AREA, TO THE FINISHED GRADE DESIGNATED IN THE PLANS FOR SUCH STRUCTURES. ADJUST STRUCTURES TO MATCH FINAL PAVEMENT AND/OR CONCRETE SURFACE CROSS-SLOPE. USE MATERIALS AND CONSTRUCTION METHODS WHICH MEET THE REQUIREMENTS SPECIFIED ABOVE TO ADJUST THE EXISTING STRUCTURES. THE CONTRACTOR MAY EXTEND MANHOLES NEEDING TO BE RAISED USING ADJUSTABLE EXTENSION RINGS OF THE TYPE WHICH DO NOT REQUIRE THE REMOVAL OF THE EXISTING MANHOLE FRAME. USE AN EXTENSION DEVICE THAT PROVIDES POSITIVE LOCKING ACTION AND PERMITS ADJUSTMENT IN HEIGHT AS WELL AS DIAMETER AND MEETS THE APPROVAL OF THE ENGINEER. WHEN ADJUSTING STRUCTURES IN FLEXIBLE PAVEMENT, RESTORE FINAL ROAD SURFACE IN ACCORDANCE WITH STANDARD PLANS, INDEX 125-001.
- ITEM 520-1-10 CURB & GUTTER; CONTRACTOR TO REPLACE CURB & GUTTER TYPE F AT SIDEWALK REPAIR LOCATIONS AS NEEDED.
- ITEM 0665-1-12 INCLUDES REMOVAL OF EXISTING PEDESTRIAN SIGNAL AND REPLACE WITH AUDIBLE ACCESSIBLE PEDESTRIAN SIGNAL ON EXISTING POLE.

| REVISIONS |             |      |             |
|-----------|-------------|------|-------------|
| DATE      | DESCRIPTION | DATE | DESCRIPTION |
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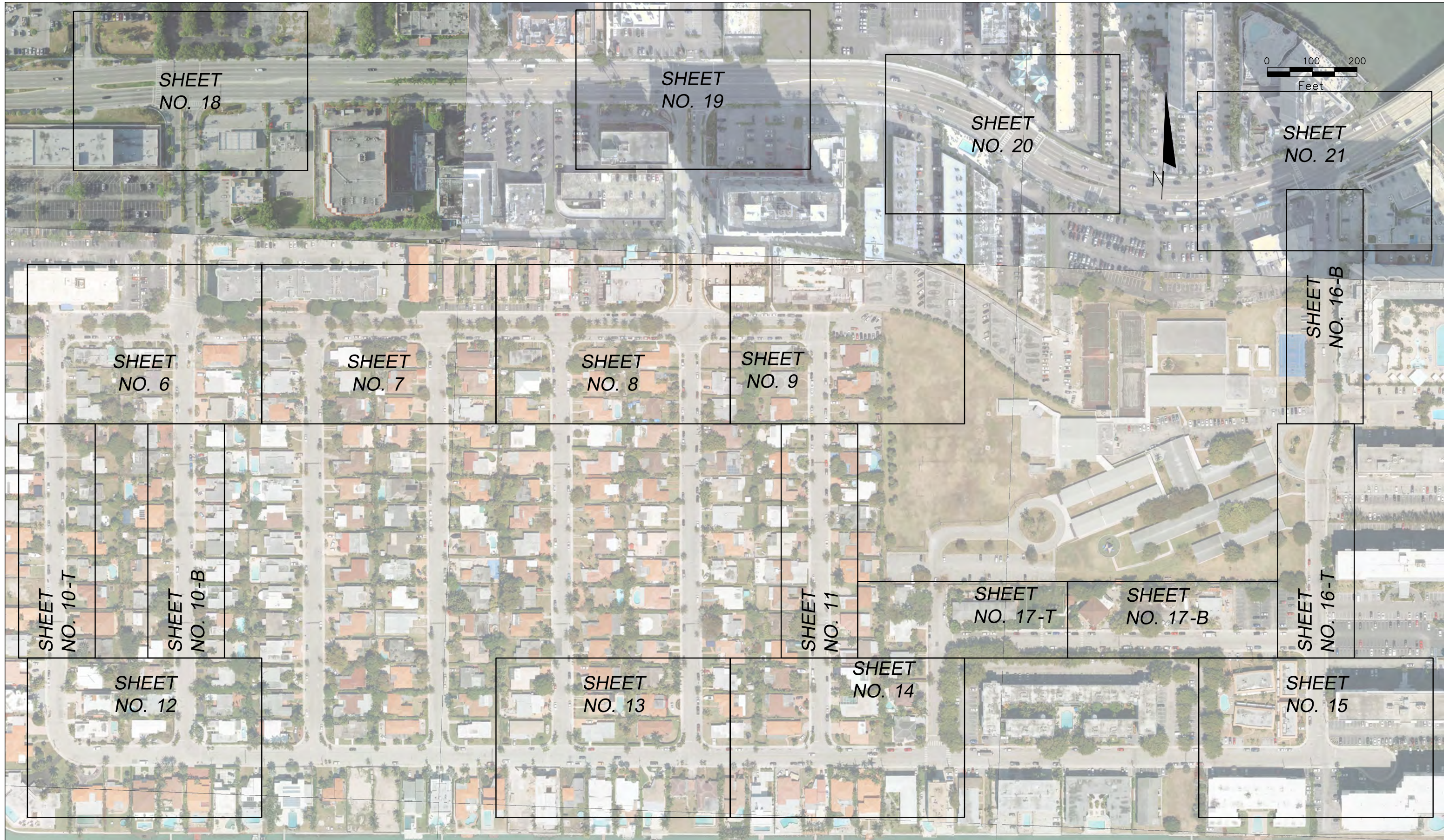
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 Certificate of Authorization No. 7184

|                           |                   |                |
|---------------------------|-------------------|----------------|
| CITY OF NORTH BAY VILLAGE |                   |                |
| ROAD NO.                  | COUNTY            | PROJECT NUMBER |
| -                         | MIAMI-DADE COUNTY | 0190151.01     |


|                                  |
|----------------------------------|
| TREASURE ISLAND ADA IMPROVEMENTS |
| SUMMARY OF QUANTITIES            |

|           |
|-----------|
| SHEET NO. |
| 2         |





| REVISIONS |             |      |             |
|-----------|-------------|------|-------------|
| DATE      | DESCRIPTION | DATE | DESCRIPTION |
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| -                         | MIAMI-DADE COUNTY | 0190151.01     |

|                                  |           |
|----------------------------------|-----------|
| TREASURE ISLAND ADA IMPROVEMENTS | SHEET NO. |
| PROJECT LAYOUT – TREASURE ISLAND | 3         |







**STORMWATER POLLUTION PREVENTION PLAN NOTES**

**SITE EVALUATION, ASSESSMENT, AND PLANNING:**

PROJECT NAME: NORTH BAY VILLAGE SIDEWALK AND ADA IMPROVEMENTS PHASE II  
 PROJECT ADDRESS: HARBOR ISLAND AND TREASURE ISLAND, NORTH BAY VILLAGE, MIAMI, FLORIDA 33326  
 OWNER'S NAME: NORTH BAY VILLAGE PUBLIC WORKS  
 OWNER'S ADDRESS: 1666 KENNEDY CAUSEWAY, SUITE 300, NORTH BAY VILLAGE, FL 33141

**DESCRIPTION OF THE PROJECT AND THE TYPES OF SOIL DISTURBING ACTIVITIES:**

THE PROJECT INVOLVES ASSESSING CURRENT CONDITIONS OF EXISTING SIDEWALKS AND CROSSWALKS THROUGHOUT THE AREA TO ELIMINATE SIDEWALK GAPS AND TRIP HAZARDS CAUSED BY UNEVEN OR BROKEN/CRACKED CONCRETE, AND TO IMPROVE/ENHANCE PEDESTRIAN FACILITIES WITH MARKING, SIGNAGE, AND ADA COMPLIANT CROSSWALKS/RAMPS.

SOIL DISTURBING ACTIVITIES WILL INCLUDE: NEW PAVEMENT MARKING CONCRETE SIDEWALKS, CURBS, AND EXISTING RESTORATION TO PREVIOUS CONDITIONS.

**SOILS CONDITIONS:**

ACCORDING TO THE USDA SOIL SURVEY FOR BROWARD, THE SOIL IS DESCRIBED AS URBAN LAND.

**SITE AREAS:**

THE PROJECT SITE IS APPROXIMATELY 124.05± ACRES AND 0.18± ACRES WILL BE DISTURBED BY CONSTRUCTION ACTIVITIES.

**SEQUENCE OF MAJOR EVENTS:**

1. INSTALL SILT FENCES AROUND PERIMETER OF PROPERTY AND DISTURBED AREAS (SEE EROSION CONTROL PLAN).
2. INSTALL INLET PROTECTION FOR ALL EXISTING GRATE INLETS AND AT THE END OF ALL EXPOSED STORM SEWER PIPES, IF PRESENT.
3. CONSTRUCT TEMPORARY CONSTRUCTION EXIT.
4. COMMENCE GRUBBING AND REMOVAL OF VEGETATION IN AREA TO RECEIVE CUT OR FILL.
5. COMMENCE GRADING OPERATION FOR BUILDING PAD PREPARATION (SEE GRADING PLAN).
6. INSTALL ALL UNDERGROUND UTILITIES.
7. FINALIZE PAVEMENT SUBGRADE PREPARATION.
8. INSTALL ALL PROPOSED STORM SEWER PIPES AND INSTALL INLET PROTECTION FILTER FABRIC AT ENDS OF EXPOSED PIPES.
9. CONSTRUCT ALL GRATE INLETS AND DRAINAGE STRUCTURES. INLET PROTECTION FILTER FABRIC MAY BE REMOVED TEMPORARILY FOR THIS CONSTRUCTION.
10. REMOVE SILT FENCES AROUND INLETS AND MANHOLES NO MORE THAN 48 HOURS PRIOR TO PLACING STABILIZED BASE COURSE.
11. INSTALL BASE MATERIAL AS REQUIRED FOR PAVEMENT, CURB & GUTTER.
12. INSTALL ALL PAVING, CURB & GUTTER.
13. REMOVE TEMPORARY CONSTRUCTION EXIT, SILT FENCES, AND INLET PROTECTION DEVICES.
14. COMPLETE PLANTING AND/OR SEEDING OF VEGETATED AREAS TO ACCOMPLISH STABILIZATION, IN ACCORDANCE WITH THE LANDSCAPE PLAN.

**WETLAND AREA:** N/A

**EROSION AND SEDIMENT CONTROLS:**

**STABILIZATION PRACTICES**

THE CONTRACTOR SHALL DENUDE ONLY AREA WHERE IT IS EXPECTED TO BE GRADED OR ALTERED WITH A TWO (2) WEEK TIME FRAME. ALL PVIOUS AREAS OF THE SITE INCLUDED IN GRADING THAT ARE DISTURBED DURING CONSTRUCTION SHALL BE GRADED AND PREPARED WITH COMBINATION OF SOD AND/OR SEEDING AND MULCHED.

**TEMPORARY STABILIZATION** – TOP SOIL STOCK PILES AND DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR AT LEAST 21 DAYS SHALL BE STABILIZED WITH TEMPORARY SEED AND MULCH NO LATER THAN 14 DAYS FROM THE LAST CONSTRUCTION ACTIVITY IN THAT AREA. GRASS SEED SHALL BE A MIXTURE OF 20 PARTS OF BERMUDA AND 80 PARTS OF PENSACOLA BAHIA. THE SEPARATE TYPES OF SEED USED SHALL BE THOROUGHLY DRY MIXED IMMEDIATELY BEFORE SOWING. SEED WHICH HAS BECOME STRAW OR HAY CONSISTING OF OAT, RYE OR WHEAT STRAW, OR OF PANOLA, PEANUT, COASTAL BERMUDA OR BAHIA GRASS HAY. ONLY UN–DETERIORATED MULCH WHICH CAN BE READILY CUT INTO THE SOIL SHALL BE USED. AREAS OF THE SITE WHICH ARE TO BE PAVED WILL BE TEMPORARILY STABILIZED BY APPLYING STABILIZATION AND BASE UNTIL BITUMINOUS PAVEMENT CAN BE APPLIED.

**PERMANENT STABILIZATION** – DISTURBED PORTION OF THE SITE WHERE CONSTRUCTION ACTIVITY PERMANENTLY CEASES SHALL BE STABILIZED WITH SOD NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY.

**WIND EROSION STABILIZATION** – AREAS WITHIN FUTURE UNITS WHERE EARTHWORK IS COMPLETED SHALL BE COMPLETELY SEEDED AND MULCHED. AREAS WHERE CONSTRUCTION OPERATIONS WILL BE CONTINUOUS, FUGITIVE DUST SHALL BE MANAGED BY APPLYING A WATER SPRAY TO SATURATE THE SURFACE SOILS ON A DAILY BASIS (OR AS NEEDED) TO MAINTAIN MINIMAL DUST TRANSPORT. FUGITIVE DUST SHALL BE MONITORED CONTINUOUSLY AND ADDITIONAL MEASURES MAY NEED TO BE TAKEN TO CONTROL OFF SITE TRANSPORT OF UNACCEPTABLE LEVELS OF DUST.

**STRUCTURAL PRACTICES**

**EROSION PROTECTION** – DURING THE CONSTRUCTION PHASES, APPROPRIATE PRACTICES INCLUDING, BUT NOT LIMITED TO: SILT FENCE BARRIERS, STABILIZED CONSTRUCTION ENTRANCES, ROCK CHECK DAMS, INLET PROTECTION WITH BLOCK AND GRAVEL AND FABRIC MATERIAL, AND WATERING OR OTHER METHODS NECESSARY WILL BE IMPLEMENTED TO CONTROL EROSION.

**SEDIMENT TRAPS** – CONTRACTOR SHALL EXCAVATE AROUND ALL ON–SITE DRAINAGE INLETS AND PROVIDE EROSION CONTROL AND OVERFLOW MEASURES WHICH SHALL SERVICE AS LOCALIZED TEMPORARY SEDIMENT TRAPS. AT THE CONTRACTOR'S DISCRETION, THE AREAS SURROUNDING THE ON–SITE INLETS CAN BE EXCAVATED AS MUCH AS TWO FEET BELOW THE EXISTING GROUND IN ORDER TO ALLOW ANY SILT TO BE COLLECTED AND REMOVED PRIOR TO COMPLETION OF THE GRADING.

**STORM WATER MANAGEMENT**

STORM WATER DRAINAGE WILL BE PROVIDED BY AN ON–SITE STORM DRAIN AND CATCH BASIN SYSTEM. ANY ACCUMULATED SEDIMENT SHALL BE REMOVED FROM THE SEDIMENT BASINS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONSTRUCT AND CONTINUALLY MAINTAIN ALL STORM DRAINS AND RETENTION/DETENTION AREAS IN ACCORDANCE WITH THE APPROVED CONSTRUCTION PLANS.

**SPECIFIED OTHER CONTROLS:**

**WASTE DISPOSAL**

**WASTE MATERIALS** – ALL WASTE MATERIALS SHALL BE COLLECTED AND CONTAINED IN A CONTROLLED AREA PURSUANT TO ANY STATE AND/OR LOCAL SOLID WASTE REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS GENERATED FROM CONSTRUCTION IS TO BE REMOVED FROM THE SITE AND DISPOSED OF APPROPRIATELY. NO CONSTRUCTION MATERIALS SHALL BE BURIED ON SITE. ALL PERSONNEL SHALL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. NOTICE STATING THESE PRACTICES SHALL BE POSTED IN THE CONSTRUCTION OFFICE TRAILER. THE JOB SITE SUPERINTENDENT (CONSTRUCTION MANAGER) RESPONSIBLE FOR THE DAY–TO–DAY SITE OPERATIONS SHALL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

**HAZARDOUS WASTE** – IF ANY, ALL HAZARDOUS WASTE MATERIALS SHALL BE DISPOSED OF IN THE MANNER SPECIFIED BY STATE AND/OR LOCAL REGULATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.

**SANITARY WASTE** – ALL SANITARY WASTE SHALL BE COLLECTED FROM THE PORTABLE UNITS BY A LICENSE SANITARY WASTE MANAGEMENT CONTRACTOR AS REQUIRED BY STATE AND/OR LOCAL CODES AND REGULATIONS.

**OFFSITE VEHICLE TRACKING**

A STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREETS ADJACENT TO THE SITE ENTRANCE WILL BE SWEEP DAILY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE SITE SHALL BE COVERED WITH A TARPULIN.

**TIMING OF CONTROL MEASURES:**

AS INDICATED IN THE SEQUENCE OF MAJOR EVENTS, STAKED SILT FENCE AND STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED PRIOR TO CLEANING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. AREAS WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN 21 DAYS SHALL BE STABILIZED WITH A TEMPORARY SEED AND MULCH WITHIN 14 DAYS OF THE LAST DISTURBANCE. ONCE CONSTRUCTION ACTIVITIES CEASES PERMANENTLY IN AN AREA, THAT AREA SHALL BE STABILIZED WITH PERMANENT SEED AND MULCH. AFTER THE ENTIRE SITE IS STABILIZED, THE ACCUMULATED SEDIMENT WILL BE REMOVED FROM THE SILT FENCE AND/OR CONTROLS SHALL BE REMOVED.

**CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS:**

THE STORM WATER POLLUTION PREVENTION PLAN REFLECTS THE JURISDICTIONAL AND WATER MANAGEMENT DISTRICT REQUIREMENTS FOR STORM WATER MANAGEMENT AND EROSION & SEDIMENT CONTROL AS ESTABLISHED BY THE JURISDICTION'S STORM WATER MANAGEMENT TECHNICAL MANUAL, THE FLORIDA ADMINISTRATIVE CODE, CHAPTER 40E–4 AND 40E–40, AND THE WATER MANAGEMENT DISTRICT.

**MAINTENANCE/INSPECTION PRACTICES:**

**EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES**

THESE ARE THE INSPECTION AND MAINTENANCE PRACTICES THAT SHALL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROL:

1. LESS THAN ONE HALF OF THE SITE SHALL BE DENUDED AT ONE TIME.
2. ALL CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE EACH WEEK AND FOLLOWING ANY STORM EVENT OF 0.5–INCHES OR GREATER BY A CONTRACTOR'S REPRESENTATIVE.
3. ALL MEASURES SHALL BE MAINTAINED IN GOOD WORKING ORDER; IF A REPAIR IS NECESSARY, IT SHALL BE INITIATED WITHIN 24 HOURS OF REPORT.
4. BUILT UP SEDIMENT SHALL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE–THIRD THE HEIGHT OF THE SILT FENCE.
5. SILT FENCE SHALL BE INSPECTED REGULARLY FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND.
6. THE SEDIMENT BASINS, IF PRESENT, SHALL BE INSPECTED FOR DEPTH OF SEDIMENT, AND BUILT UP SEDIMENT SHALL BE REMOVED WHEN IT REACHES 10% OF THE DESIGN CAPACITY OR AT THE END OF THE JOB.
7. TEMPORARY AND PERMANENT GRASSING AND MULCHING AND SODDING SHALL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.
8. A MAINTENANCE INSPECTION REPORT SHALL BE MADE AFTER EACH INSPECTION BY THE CONTRACTOR AND SHALL BE KEPT IN AN ACTIVE LOG READILY AVAILABLE AT THE JOB SITE.
9. EITHER THE SITE SUPERINTENDENT OR HIS DESIGNEES SHALL BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE, REPAIR ACTIVITIES AND COMPLETING THE INSPECTION AND MAINTENANCE REPORT.
10. PERSONNEL SELECTED FOR INSPECTION AND MAINTENANCE RESPONSIBILITIES SHALL RECEIVE TRAINING FROM THE SITE SUPERINTENDENT. THEY SHALL BE TRAINED IN ALL THE INSPECTION AND MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT CONTROLS USED ON SITE IN GOOD WORKING ORDER.

**NON–STORM WATER DISCHARGE**

IT IS EXPECTED THAT THE FOLLOWING NON–STORM WATER DISCHARGES WHICH ARE ALLOWED UNDER THE NPDES GENERAL PERMIT MAY OCCUR FROM THE SITE DURING THE CONSTRUCTION PERIOD. THESE TYPES OF DISCHARGES WILL BE ALLOWED UNDER THE CONDITIONS THAT NO POLLUTANTS WILL BE ALLOWED TO COME IN CONTACT WITH THE WATER PRIOR TO OR AFTER ITS DISCHARGE.

1. DISCHARGES FROM FIREFIGHTING ACTIVITIES.
2. FIRE HYDRANT FLUSHINGS (SEE NOTE BELOW).
3. WATER USED TO SPRAY OFF LOOSE SOLIDS FROM VEHICLES (WASTE WATERS FROM A MORE THOROUGH CLEANING, INCLUDING THE USE OF DETERGENTS OR OTHER CLEANERS IS NOT AUTHORIZED BY THIS PART) OR CONTROL DUST IN ACCORDANCE WITH PART V.D.2.c (2) OF THE GENERAL PERMIT.
4. POTABLE WATER SOURCES SUCH AS WATERLINE FLUSHINGS, ROUTINE EXTERNAL BUILDING WASHDOWN WHICH DOES NOT USE DETERGENTS, IRRIGATION DRAINAGE (WITHOUT DETERGENTS PRESENT) (SEE NOTE BELOW).
5. PAVEMENT WASHWATERS WHERE SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE NOT OCCURRED (UNLESS ALL SPILL MATERIALS HAS BEEN REMOVED) AND WHERE DETERGENTS HAVE NOT BEEN USED.
6. AIR CONDITIONING CONDENSATE.
7. SPRINGS.
8. FOUNDATION OR FOOTING DRAINS WHERE FLOWS WHERE NO CONTAMINATION WITH PROCESS MATERIALS SUCH AS SOLVENTS IS PRESENT.

NOTE: CONTRACTOR SHALL NEUTRALIZE ANY SUPER–CHLORINATED WATER FROM WATER DISTRIBUTION PIPES BEFORE RELEASING IT INTO THE ENVIRONMENT. NEUTRALIZATION TECHNIQUES ARE AVAILABLE FROM THE ENGINEER.

**INVENTORY FOR POLLUTION PREVENTION PLAN:**

THE FOLLOWING MATERIALS OR SUBSTANCES WITH KNOWN HAZARDOUS PROPERTIES ARE EXPECTED TO BE PRESENT ONSITE DURING CONSTRUCTION: CLEANING SOLVENTS, DETERGENTS, PETROLEUM BASED PRODUCTS, PAINTS, PAINT SOLVENTS, ACIDS, FERTILIZERS, PESTICIDES, CONCRETE, CONCRETE ADDITIVES, ASPHALTIC CONCRETE, TAR AND SOIL STABILIZATION ADDITIVES.

**SPILL PREVENTION:**

**MATERIAL MANAGEMENT PRACTICES**

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT SHALL BE USED TO REDUCE THE RISK OF SPILL OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.

**GOOD HOUSEKEEPING:**

THE FOLLOWING GOOD HOUSEKEEPING PRACTICES SHALL BE FOLLOWED ONSITE DURING THE CONSTRUCTION PROJECT.

1. AN EFFORT SHALL BE MADE TO STORE ONLY PRODUCTS REQUIRED TO COMPLETE THE PROJECT.
2. ALL MATERIALS STORED ON SITE SHALL BE STORED IN A NEAT ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND IF POSSIBLE, UNDER A ROOF OR OTHER CONTAINED ENCLOSURE.
3. PRODUCTS SHALL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.
4. SUBSTANCES SHALL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
5. WHEREVER POSSIBLE, ALL OF THE PRODUCT SHALL BE USED BEFORE DISPOSING OF THE CONTAINER.

6. MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL SHALL BE FOLLOWED.

7. THE SITE SUPERINTENDENT SHALL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ON SITE.

**HAZARDOUS PRODUCTS:**

THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS.

1. PRODUCTS SHALL BE KEPT IN ORIGINAL CONTAINERS UNLESS THE CONTAINERS ARE NOT SEALABLE.
2. ORIGINAL LABELS AND MATERIAL SAFETY DATA SHEETS (MSDS) SHALL BE RETAINED; THEY CONTAIN IMPORTANT PRODUCT INFORMATION.
3. IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURER'S AND/OR STATE AND LOCAL RECOMMENDED METHODS OF PROPER DISPOSAL SHALL BE FOLLOWED.

**PRODUCT SPECIFIC PRACTICE**

**PETROLEUM PRODUCTS:**

ALL ON SITE VEHICLES SHALL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTATIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS SHALL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ONSITE SHALL BE APPLIED ACCORDINGLY TO THE MANUFACTURER'S RECOMMENDATIONS.

**FERTILIZERS:**

FERTILIZERS SHALL BE APPLIED ONLY IN THE MINIMUM AMOUNT RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER SHALL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE SHALL BE IN A COVERED SHED. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER SHALL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

**PAINTS:**

ALL CONTAINERS SHALL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT SHALL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT SHALL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURER'S INSTRUCTIONS AND/OR STATE AND LOCAL REGULATIONS.

**CONCRETE TRUCKS:**

CONTRACTOR SHALL DESIGNATE AN AREA FOR DISCHARGE OF SURPLUS CONCRETE OR DRUM WASH WATER AND SHALL INSTALL A CONTAINMENT BERM AROUND THIS AREA TO PREVENT RUNOFF TO THE REMAINDER OF THE SITE. HARD DEBRIS SHALL BE DISPOSED OF BY CONTRACTOR UPON COMPLETION OF THE PROJECT.

**SPILL CONTROL PRACTICES:**

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIALS PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES SHALL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

1. MANUFACTURERS RECOMMENDED METHODS FOR SPILL CLEAN UP SHALL BE CLEARLY POSTED AND SITE PERSONNEL SHALL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEAN UP SUPPLIES. MATERIAL SAFETY DATA SHEET (MSDS'S) FOR EACH SUBSTANCE WITH HAZARDOUS PROPERTIES THAT IS USED ON THE JOB SITE SHALL BE OBTAINED AND USED FOR THE PROPER MANAGEMENT OF POTENTIAL WASTES THAT MAY RESULT FROM THESE PRODUCTS. AN MSDS WILL BE POSTED IN THE IMMEDIATE AREA WHERE SUCH PRODUCT IS STORED AND/OR USED AND ANOTHER COPY OF EACH MSDS WILL BE MAINTAINED IN THE SWPPP FILE AT THE JOB SITE CONSTRUCTION TRAILER OFFICE.
2. MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEAN UP SHALL BE KEPT IN THE MATERIAL STORAGE AREA ONSITE. EQUIPMENT AND MATERIALS SHALL INCLUDE, BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, KITTY LITTER ABSORBENT, SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.
3. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.
4. THE SPILL AREA SHALL BE KEPT WELL VENTILATED AND PERSONNEL SHALL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH HAZARDOUS SUBSTANCE.
5. SPILLS OF TOXIC OR HAZARDOUS MATERIAL SHALL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE.

THE SPILL PREVENTION PLAN SHALL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM RECURRING AND THE CLEAN UP PROCEDURES FOR FUTURE USE. A DESCRIPTION OF THE SPILL, ITS CAUSE AND THE CLEAN UP MEASURES SHALL ALSO BE NOTED. ANY OWNER OR OPERATOR OF A FACILITY WHO HAS KNOWLEDGE OF ANY RELEASE OF A HAZARDOUS SUBSTANCE FROM A FACILITY IN A QUANTITY EQUAL TO OR EXCEEDING THE REPORTABLE QUANTITY IN A 24 HOUR PERIOD SHALL NOTIFY THE STATE WARNING POINT WITHIN ONE WORKING DAY OF THE RELEASE. FDEP 24–HOUR STATE WARNING POINT HOTLINE NUMBER IS 1–800–320–0519.

**NOTICE OF TERMINATION:**

A NOTICE OF TERMINATION SHALL BE SUBMITTED TO THE FDEP AFTER THE CONSTRUCTION HAS BEEN COMPLETED AND THE SITE HAS UNDERGONE FINAL STABILIZATION.

**POLLUTION PREVENTION PLAN CERTIFICATION:**

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."


NAME: \_\_\_\_\_ TITLE: \_\_\_\_\_

COMPANY: \_\_\_\_\_ DATE: \_\_\_\_\_

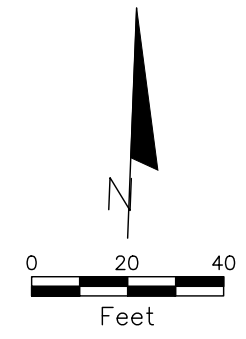
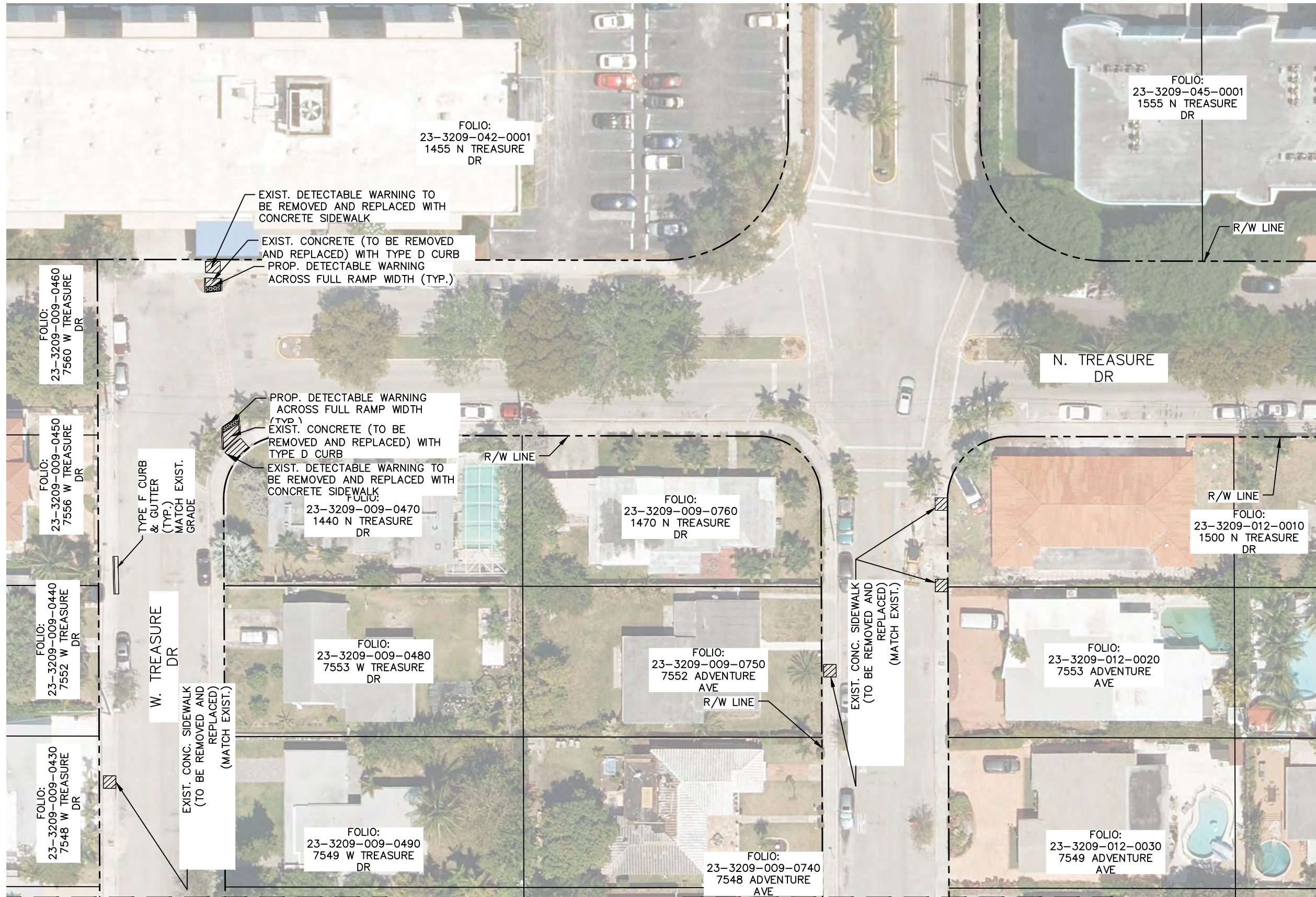
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**CONTRACTOR'S CERTIFICATION:**

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND, AND SHALL COMPLY WITH, THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND THIS STORMWATER POLLUTION PREVENTION PLAN PREPARED THEREUNDER."

| REVISIONS |             |      |             |  CLAUDIA M. PEREZ, P.E.<br>FLORIDA LICENSE NO.: 87238<br>6401 SW 87th Avenue, Suite 200<br>Miami, Florida 33173<br>Tel: 305.670.2350 Fax: 305.670.2351<br>www.bcceng.com<br>Certificate of Authorization No. 7184 | CITY OF NORTH BAY VILLAGE |            |                                      | TREASURE ISLAND ADA IMPROVEMENTS | SHEET NO. |
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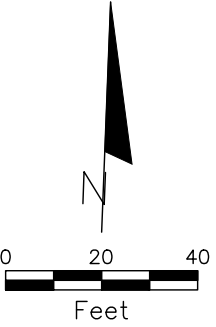
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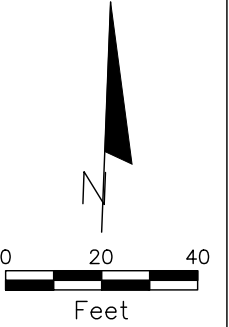
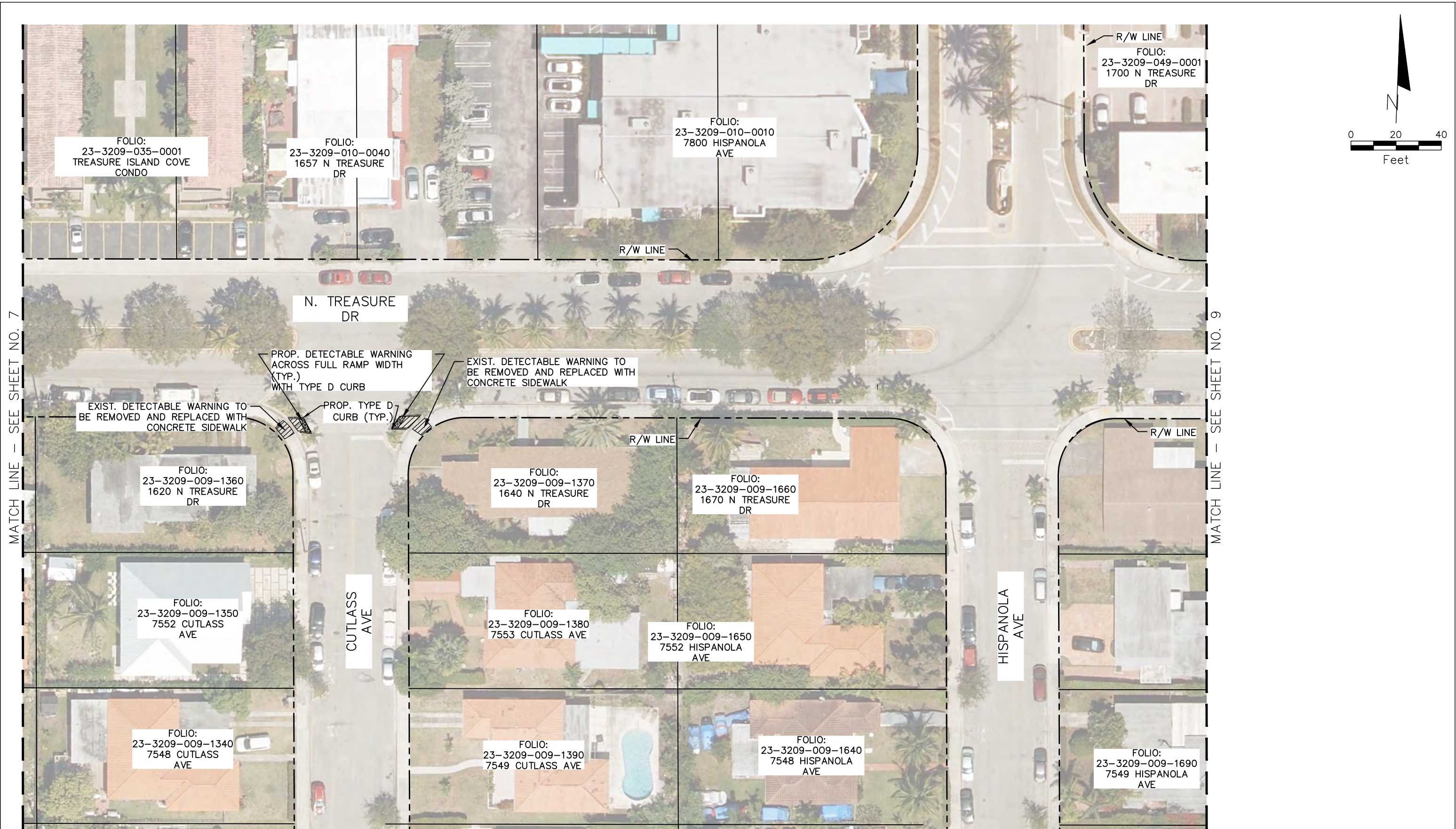
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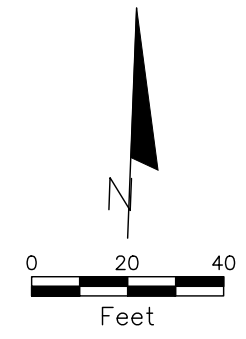

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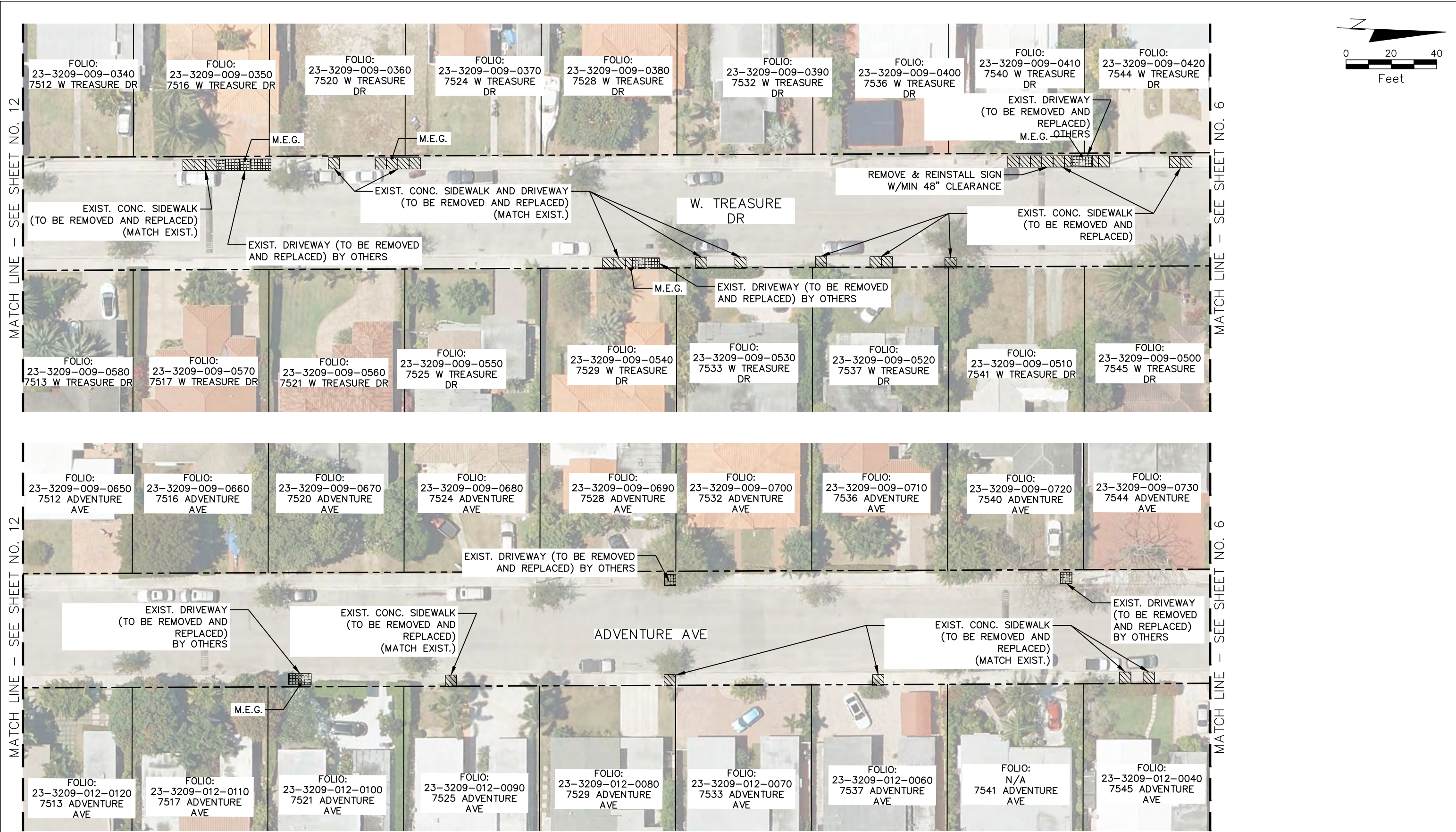
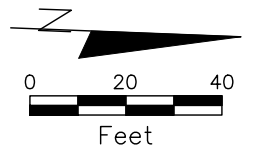
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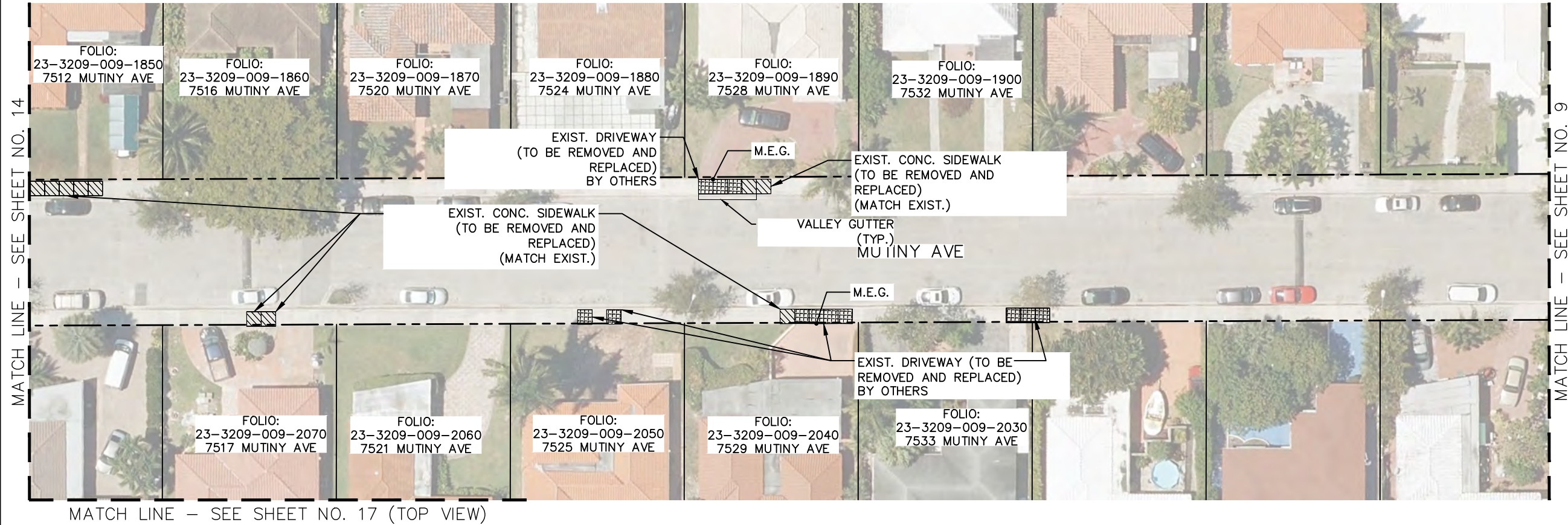
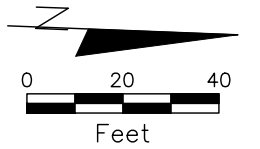

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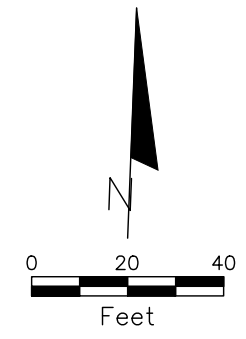
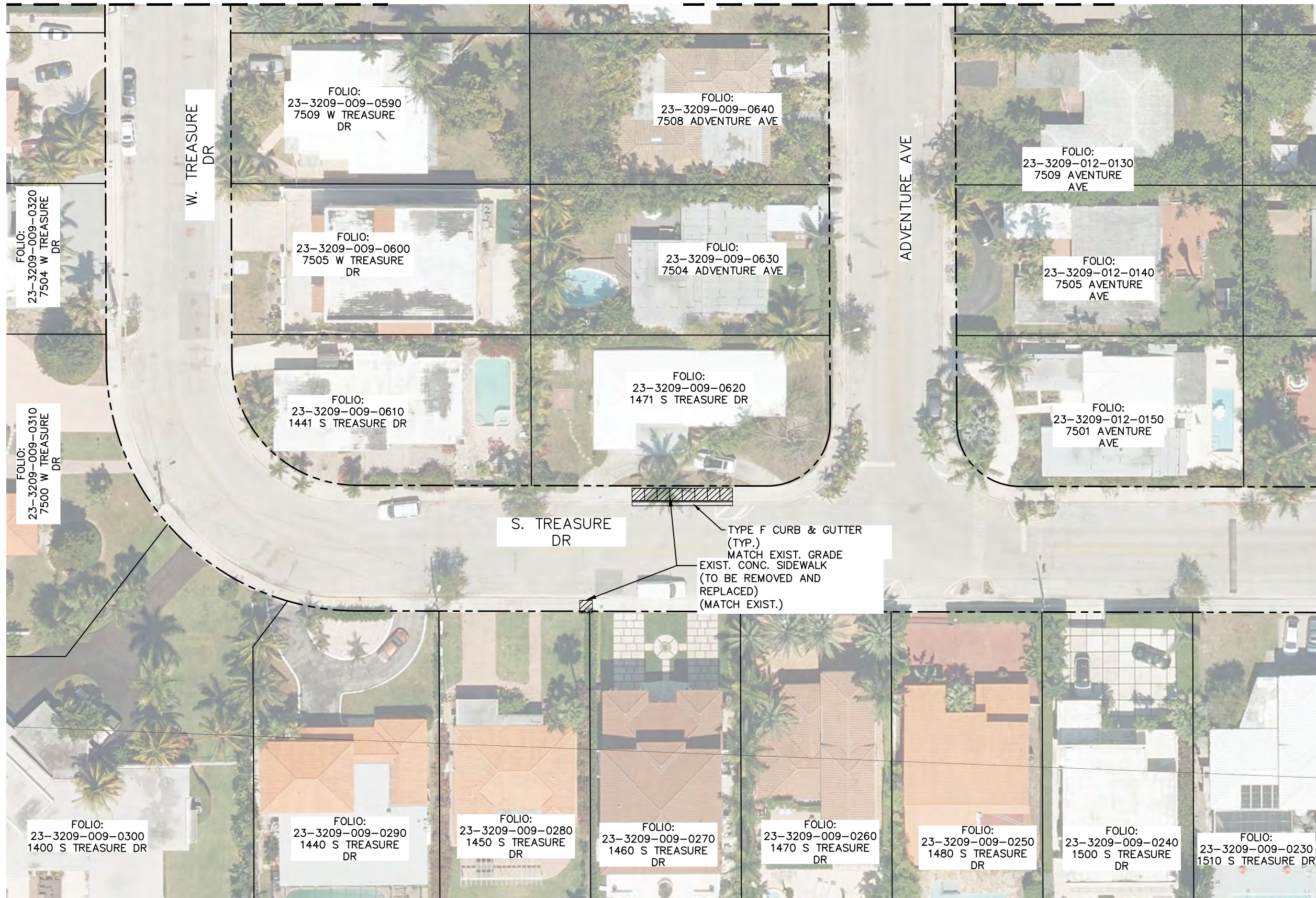


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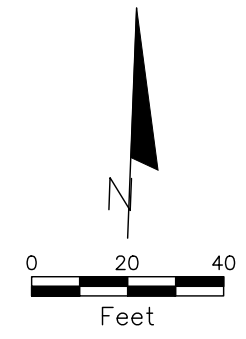
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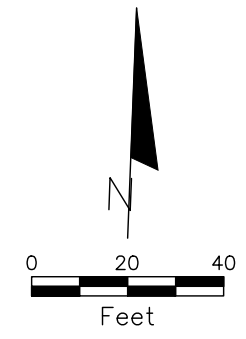
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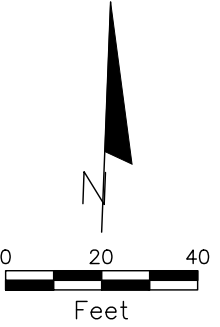
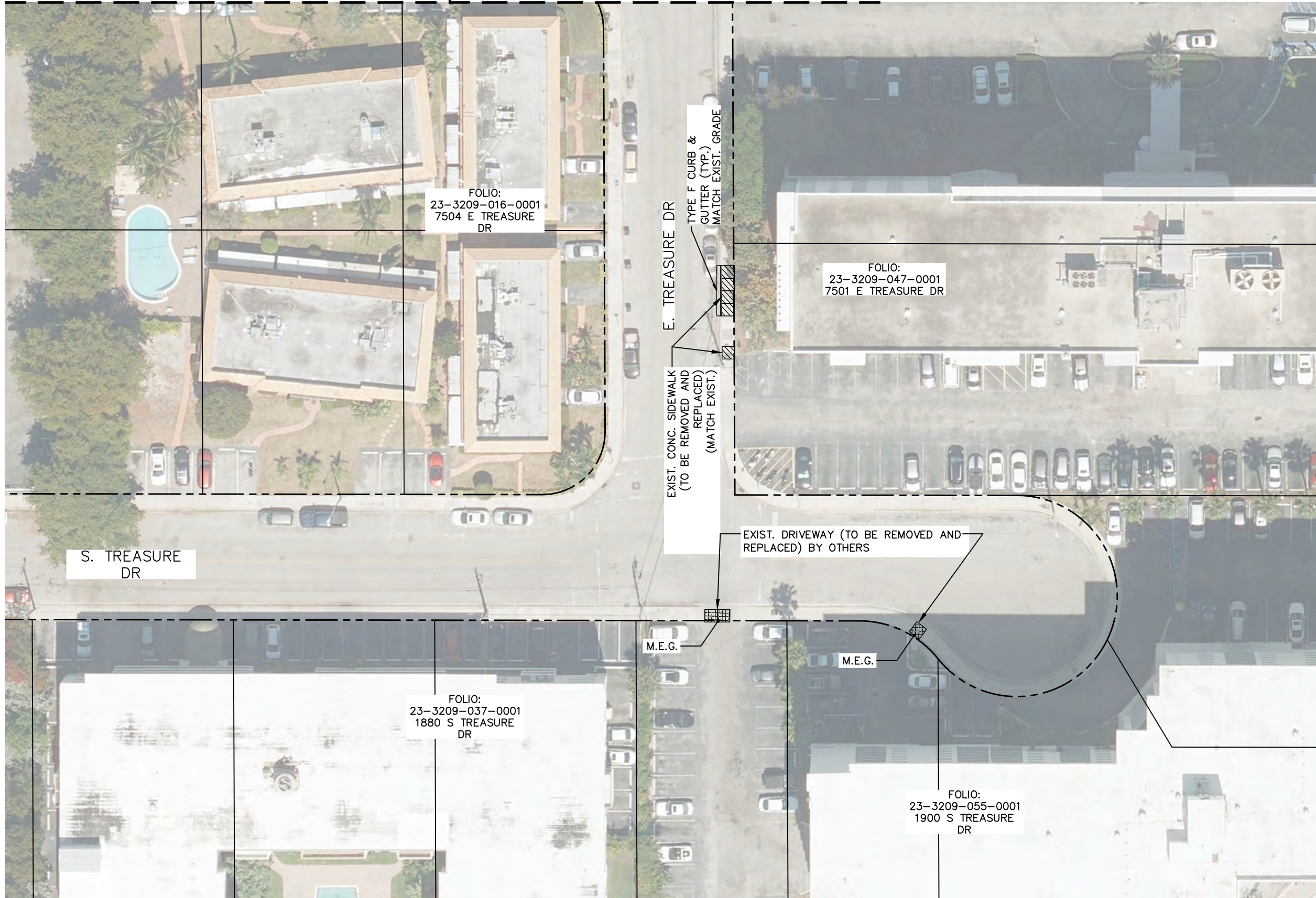
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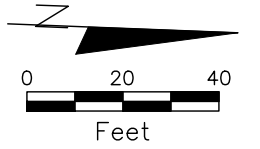
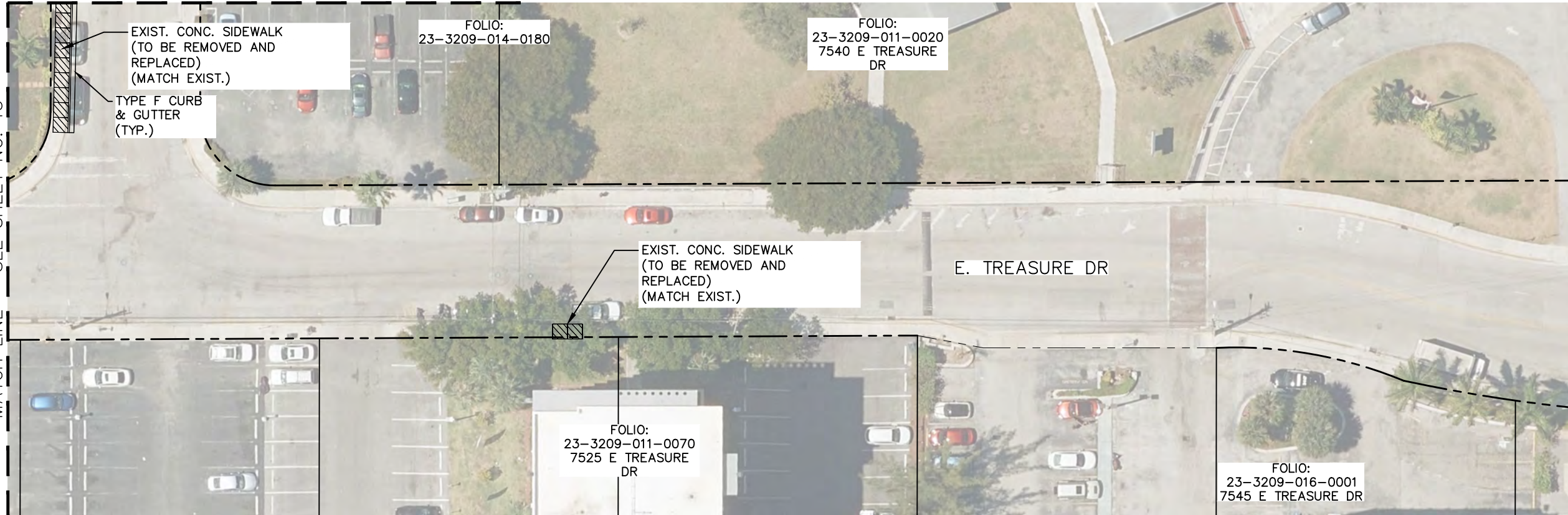
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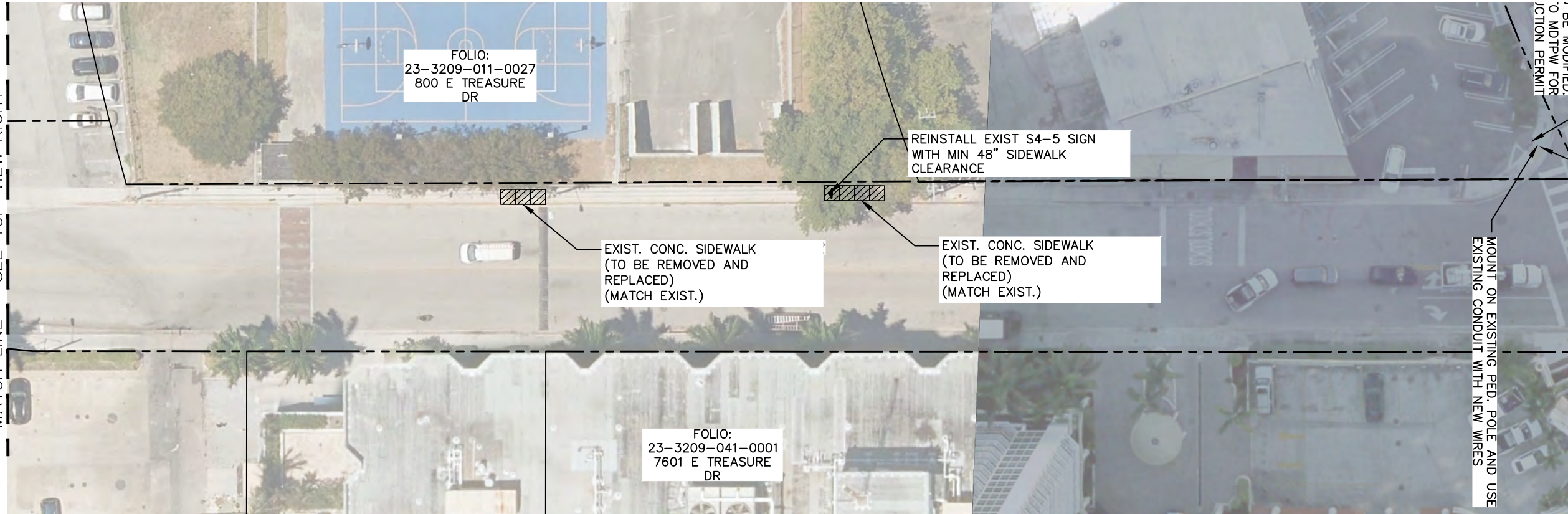
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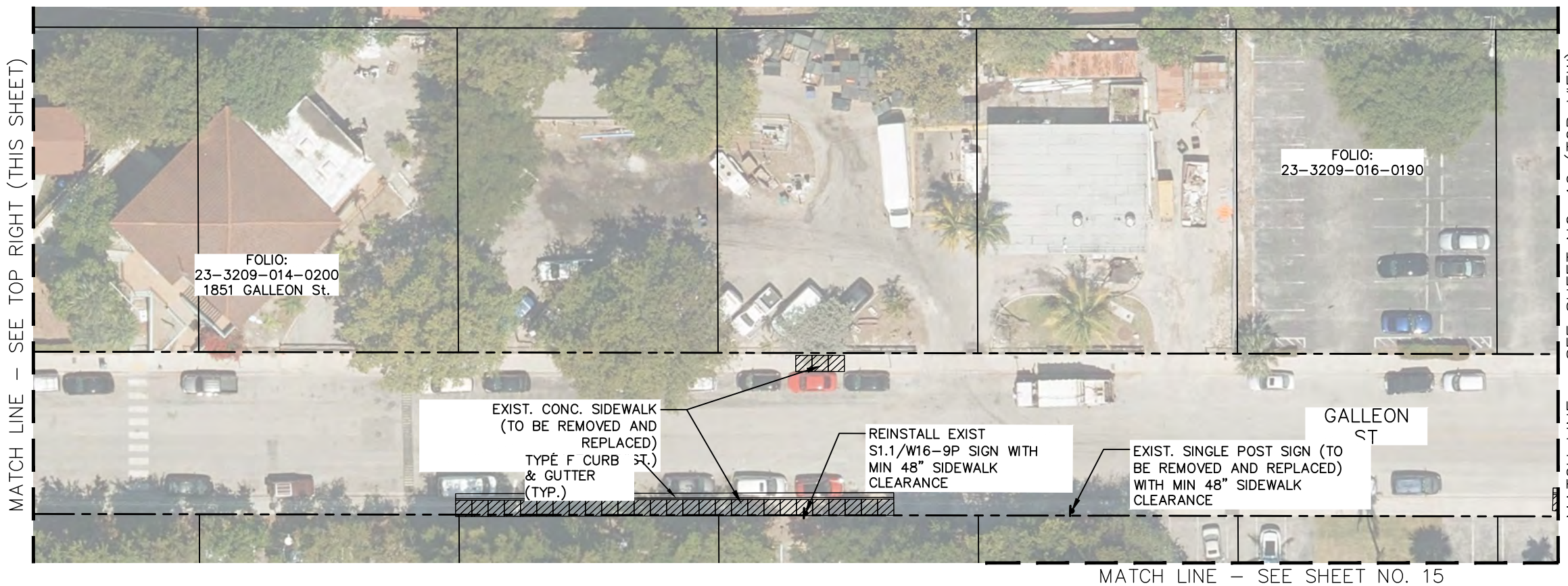
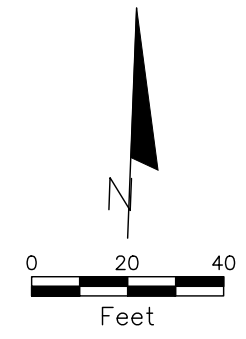
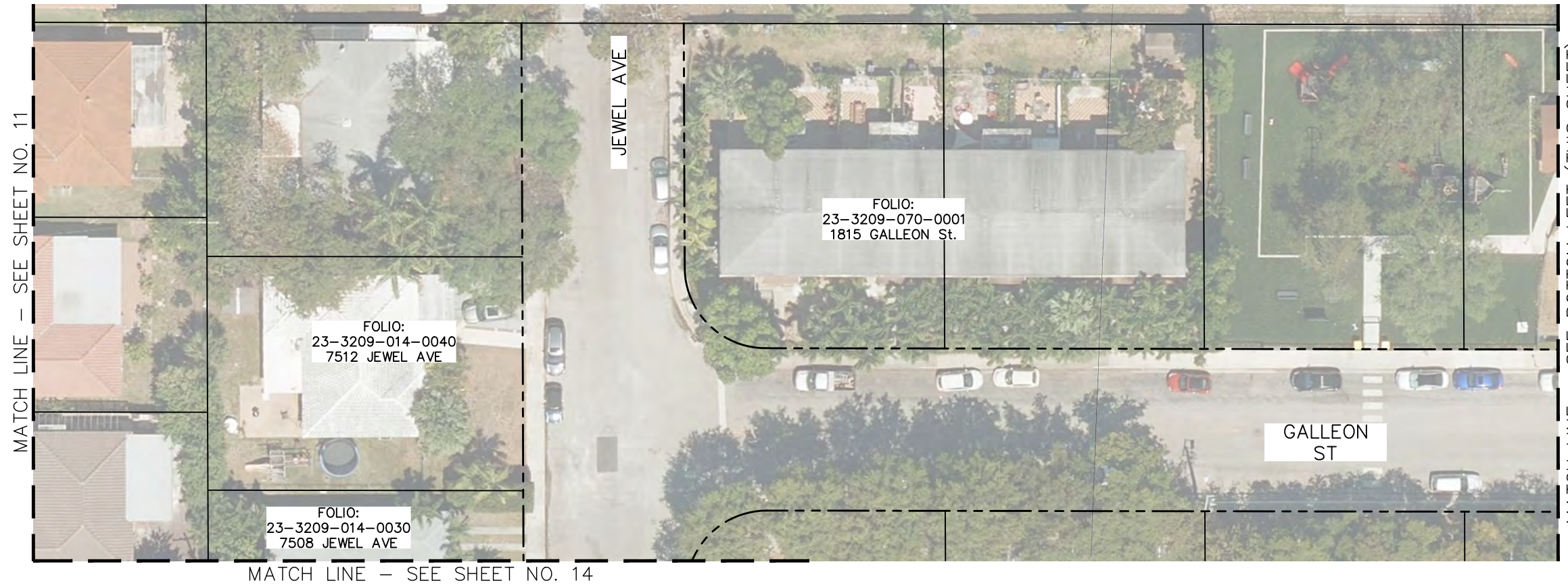
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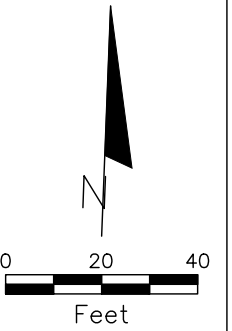
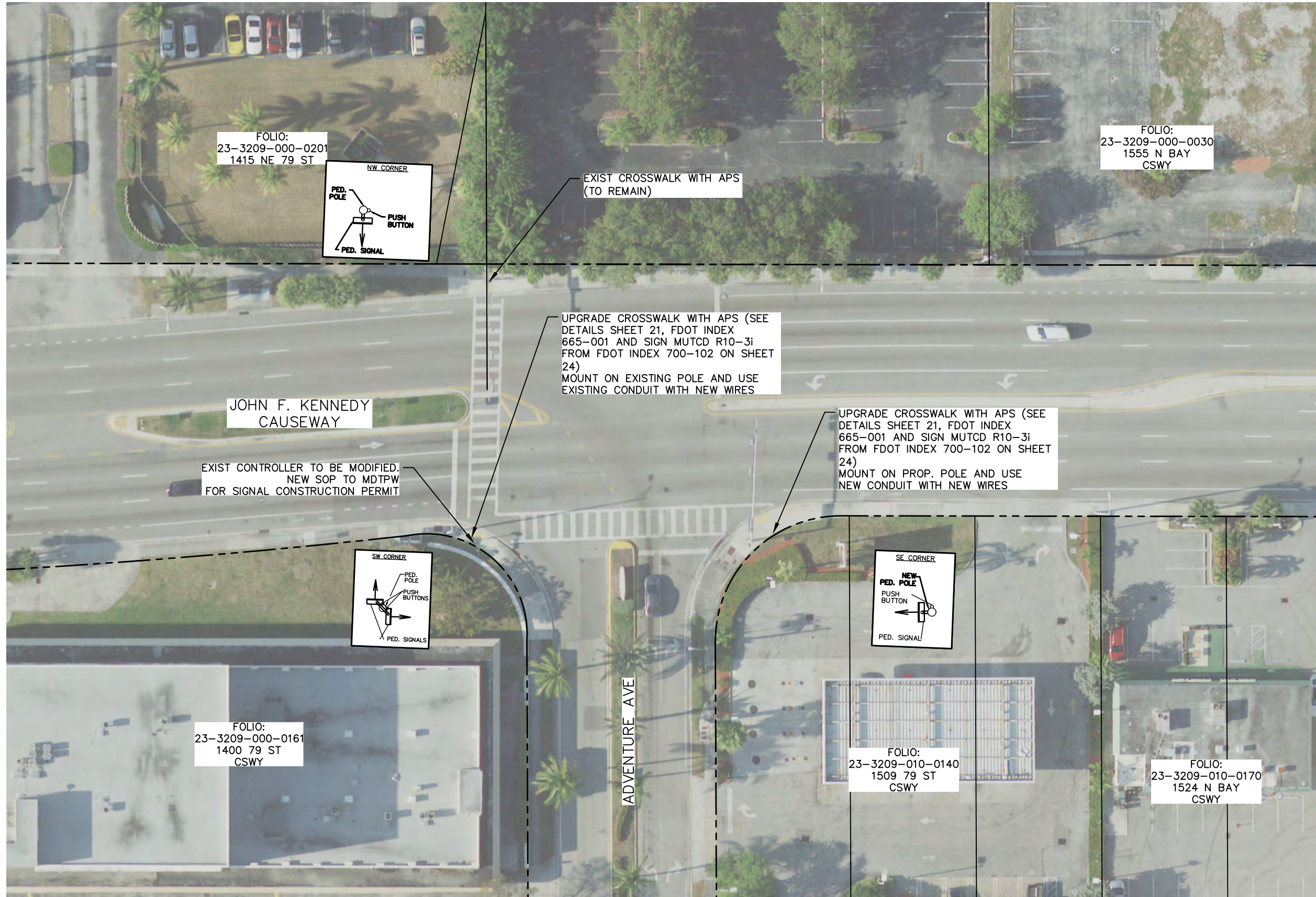

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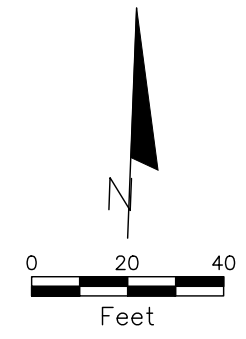
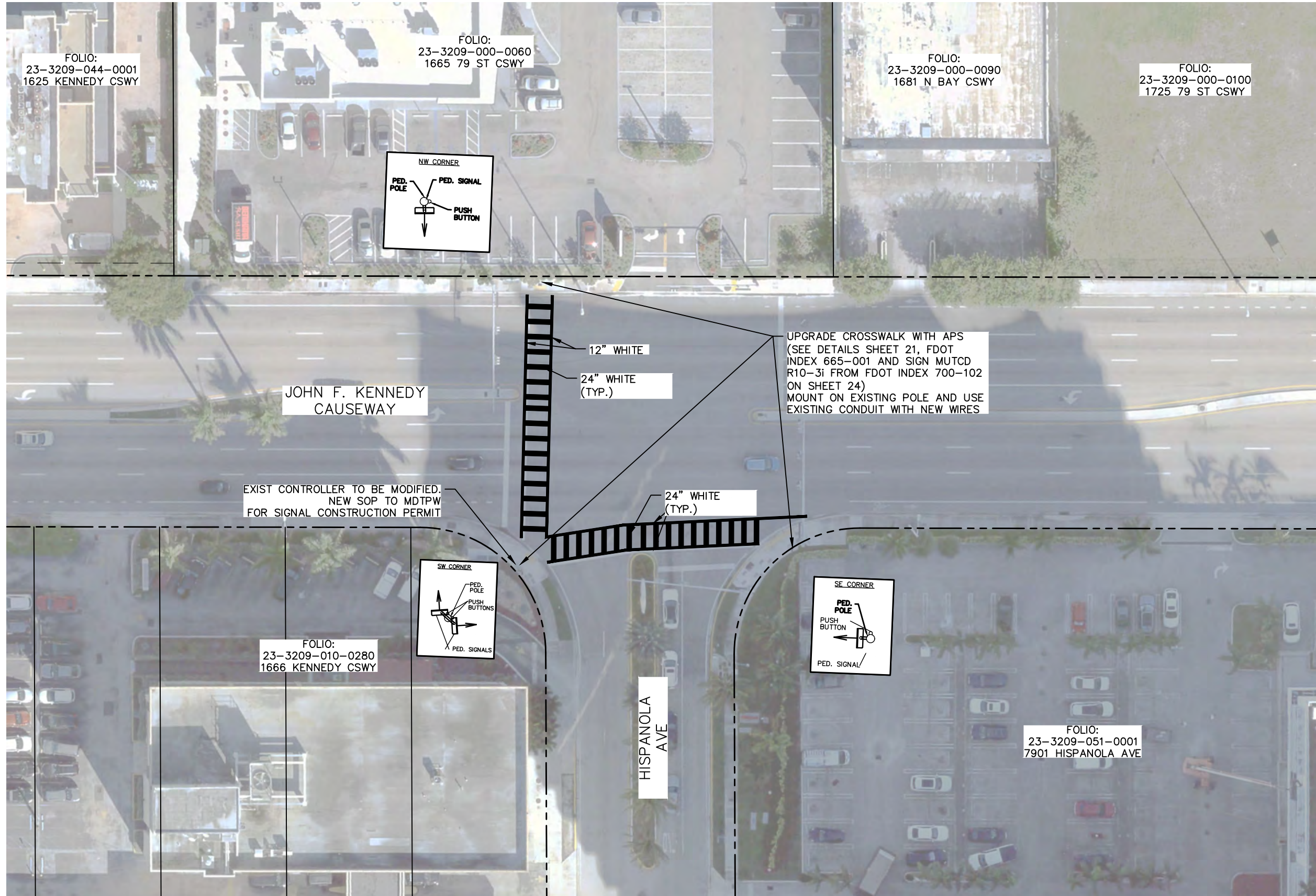
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|                           |                   |                |
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| CITY OF NORTH BAY VILLAGE |                   |                |
| ROAD NO.                  | COUNTY            | PROJECT NUMBER |
| -                         | MIAMI-DADE COUNTY | 0190151.01     |


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| TREASURE ISLAND ADA IMPROVEMENTS |
| TREASURE ISLAND IMPROVEMENTS     |

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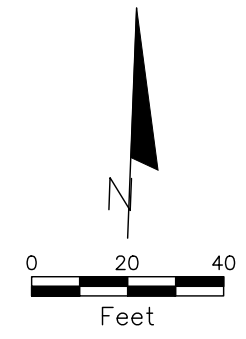
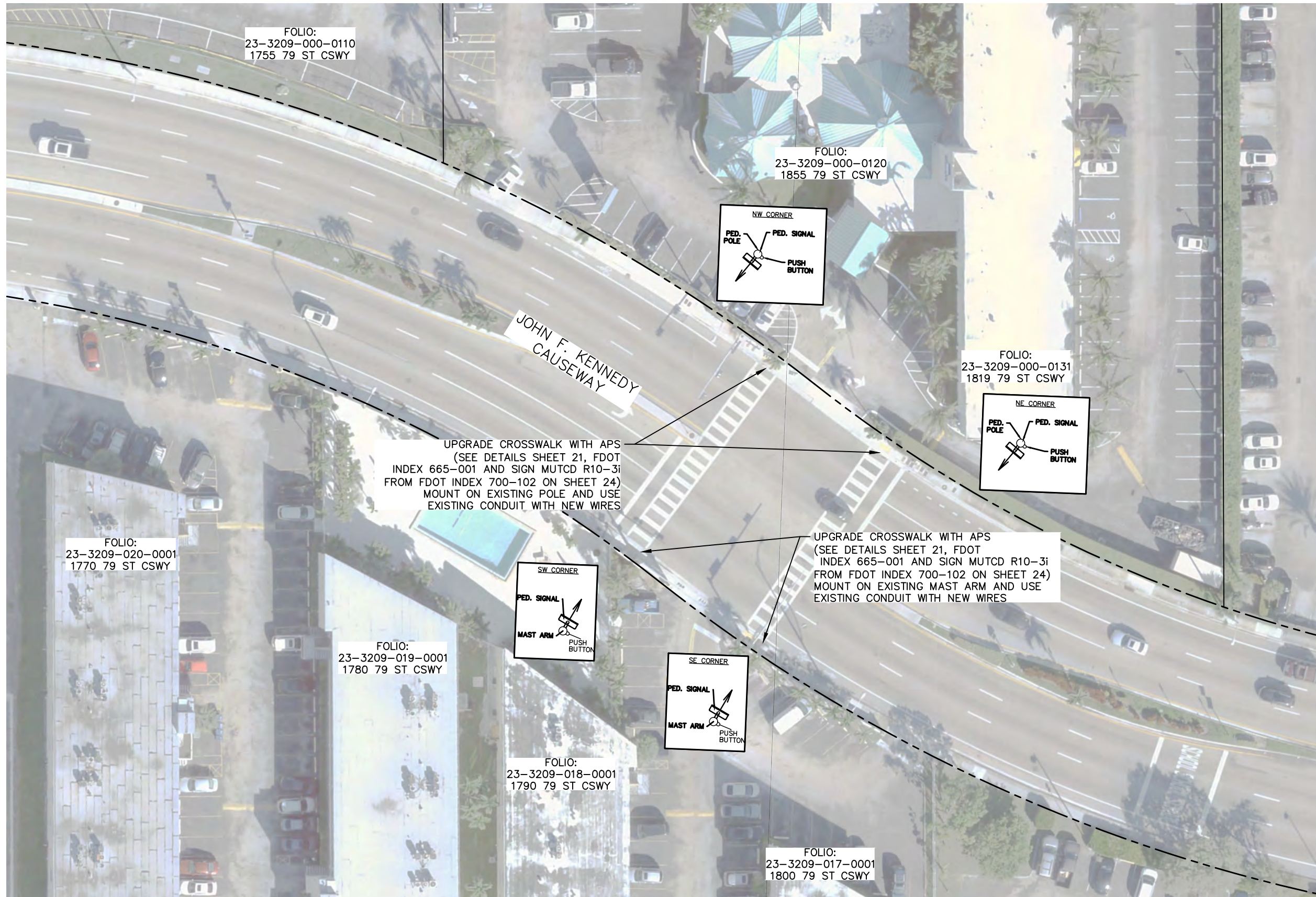

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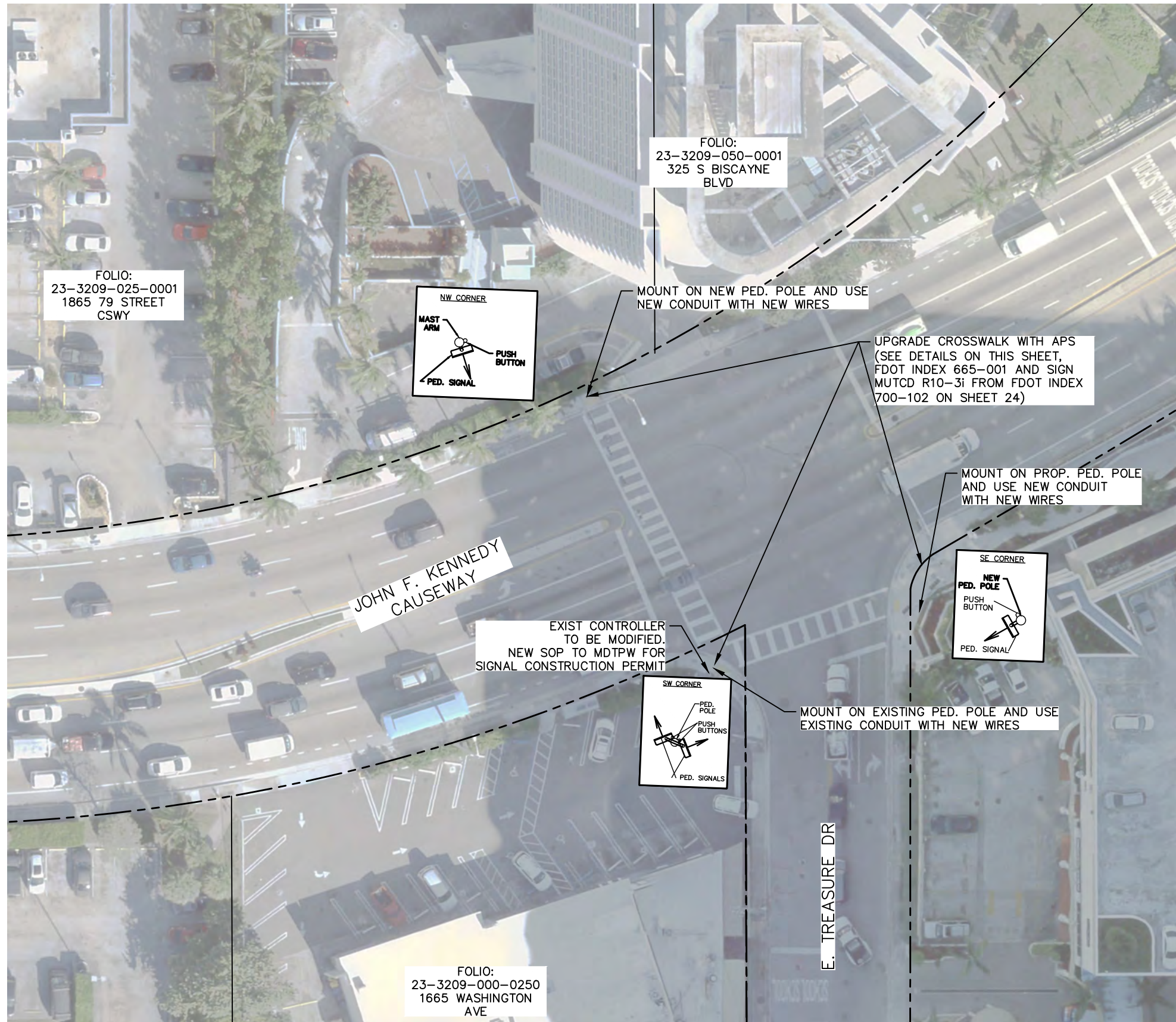
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### Guardian Bluetooth® 4-Wire APS

The Guardian APS 4-Wire Push Button Station comes with a Bluetooth® option, and is ready to install out of the box. A four conductor cable connects the Signal Power Interface (SPI) in the pedestrian signal head to the pedestrian station. The housing, machined from solid 6061 T6 AL and stainless steel materials, is virtually vandal proof. The ADA compliant push button is designed to withstand severe impact. The Guardian provides essential information and audible indications required by the MUTCD and TAC making the intersection accessible for all pedestrians. All sounds emanate from the front and side of the station where the pedestrian is positioned to enter into the crosswalk. A face plate and sign, in a variety of sizes with security mounting hardware, make it the most robust APS station on the market.

**Key Features**

- PedConnex™ and PedConnex™ BT are factory supplied downloadable software for USB and Bluetooth® interface allowing station configuration and customization
- PedConnex™ BT and the optional Bluetooth® module operate with Android, and iOS apps are password protected.
- Out of the box and on to the pole pre-programmed and customized for plug and play installation at the intersection.
- Quick button set-up and recovery for replacement / knockdown
- Fail safe default reverts to standard push button operation in flash.
- Agency or factory generated audible indication files are easily uploaded to PedConnex™ and transferred via Bluetooth or USB connectivity
- Quite Signal Technology (QST™) includes firmware settings for time of day functionality combined with port baffles that provide sound directionality – not 360° uncontrolled broadcasting
- Intersection phase sound sync
- Beaconing functionality is designed into the Guardian.
- External speaker option available at the time of order
- Off Mode function operates as a latching PPB with Dee Dah acknowledgement.
- Configuration profiles provide consistency for residential, business, and heavy traffic installations.

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### Operating Specifications

| Parameter                   | Rating                              |
|-----------------------------|-------------------------------------|
| Operating Temperature Range | -34°C to +74°C -30 °F to +165°F     |
| Operating Force             | 3.0 Maximum                         |
| MTFB                        | 1,200,000 hrs. (136 years)          |
| Switch Operating Life       | Greater than 100 Million Operations |
| Maximum Volume              | 100 dB @ 1 meter                    |

| Station Size | 5" x 7.75" | 9" x 12"     | 9" x 15"     |
|--------------|------------|--------------|--------------|
| PN#          | 501-0801   | 501-0801/511 | 501-0801/512 |

Guardian Bluetooth® Module 501-0650

Please specify Part Number and following attributes:

| 1. Color           | 2. Screw Type      | 3. Arrow type         |
|--------------------|--------------------|-----------------------|
| Textured Black     | Standard Phillips  | Field Selectable (FS) |
| Federal Yellow     | Pinned Torx (T)    | Double Arrow DA       |
| Gloss Black        | Allen Head (Allen) | No Arrow (NA)         |
| Unpainted/ Natural |                    |                       |
| Other (specify)*   |                    |                       |

### Design Compliance

| Test Type                      | Compliance  |
|--------------------------------|---|
| Functionality                  | MUTCD 2009 - 4 E  |
| Temperature and Humidity       | NEMA TS2  |
| Transient Voltage Protection   | NEMA TS2  |
| Transient Suppression          | IEC 61000-4-4, IEC 61000-4-5<br>FCC Title 47, Part 15 Class B |
| Electronic Noise               | NEMA TS2  |
| Mechanical Shock and Vibration | NEMA TS2  |
| Guardian PBS enclosure         | NEMA 250 - Type 4X  |
| Electrical Reliability         | NEMA TS4  |
| Bluetooth® Specification       | Bluetooth® SIG member   |

All certifications performed by Certified Independent Testing Laboratories.

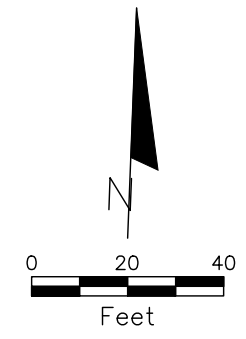
### 4. Sign Legend

Sign Films Available

- Engineering Grade
- Diamond Grade
- Decals EG & DG
- Braille 2

Notes:  
1. Applicable sections only of referenced standards  
2. All specifications are subject to change without notice  
3. All Specifications are Typical unless otherwise specified

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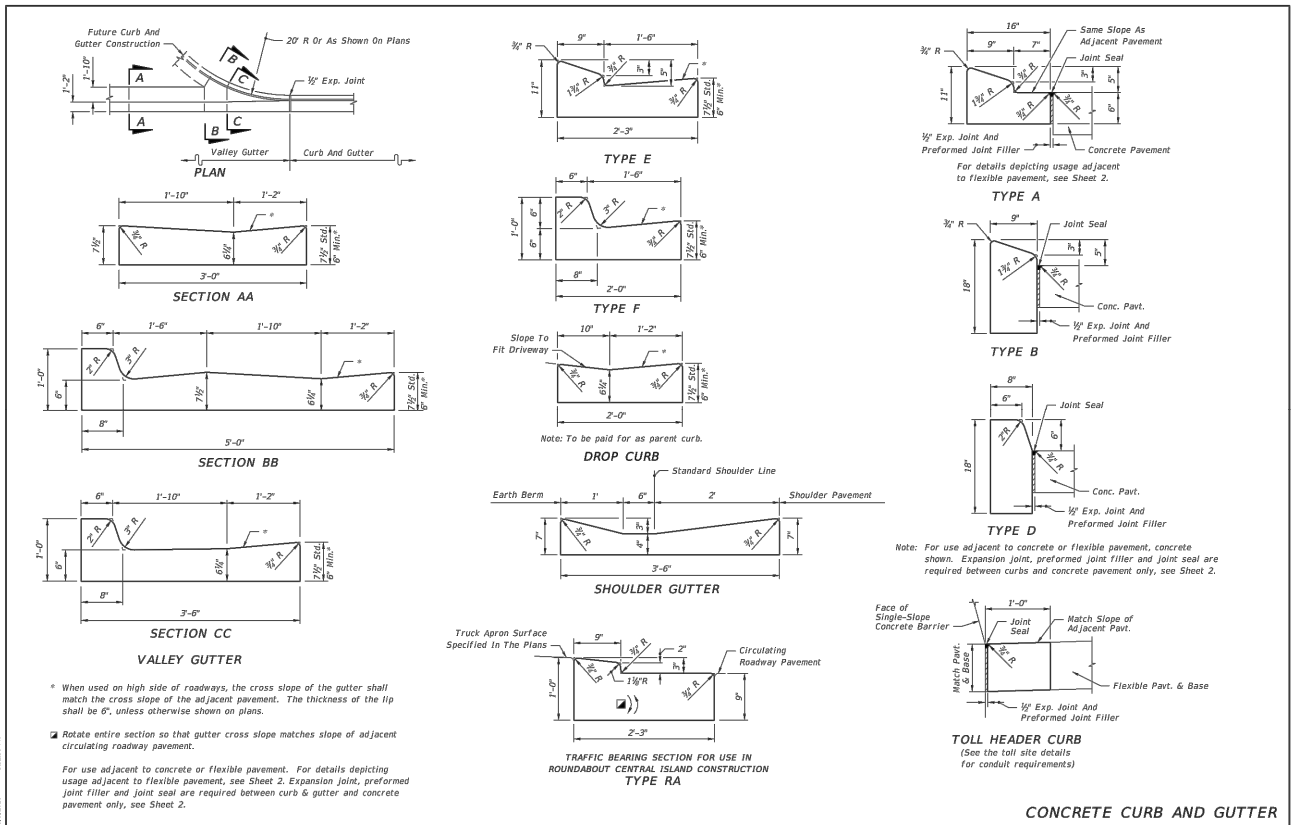
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| ROAD NO.                  | COUNTY            | PROJECT NUMBER |
| -                         | MIAMI-DADE COUNTY | 0190151.01     |

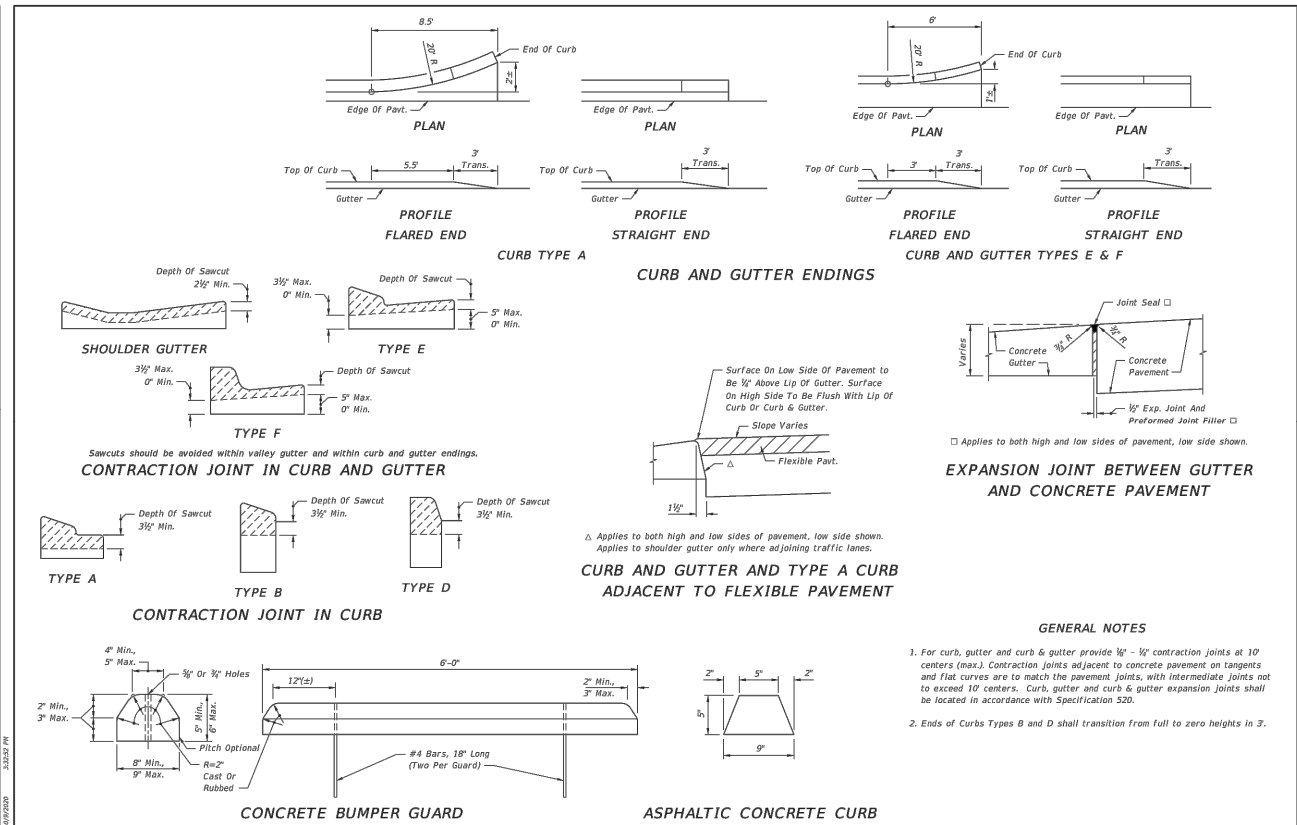
| TREASURE ISLAND ADA IMPROVEMENTS |  |
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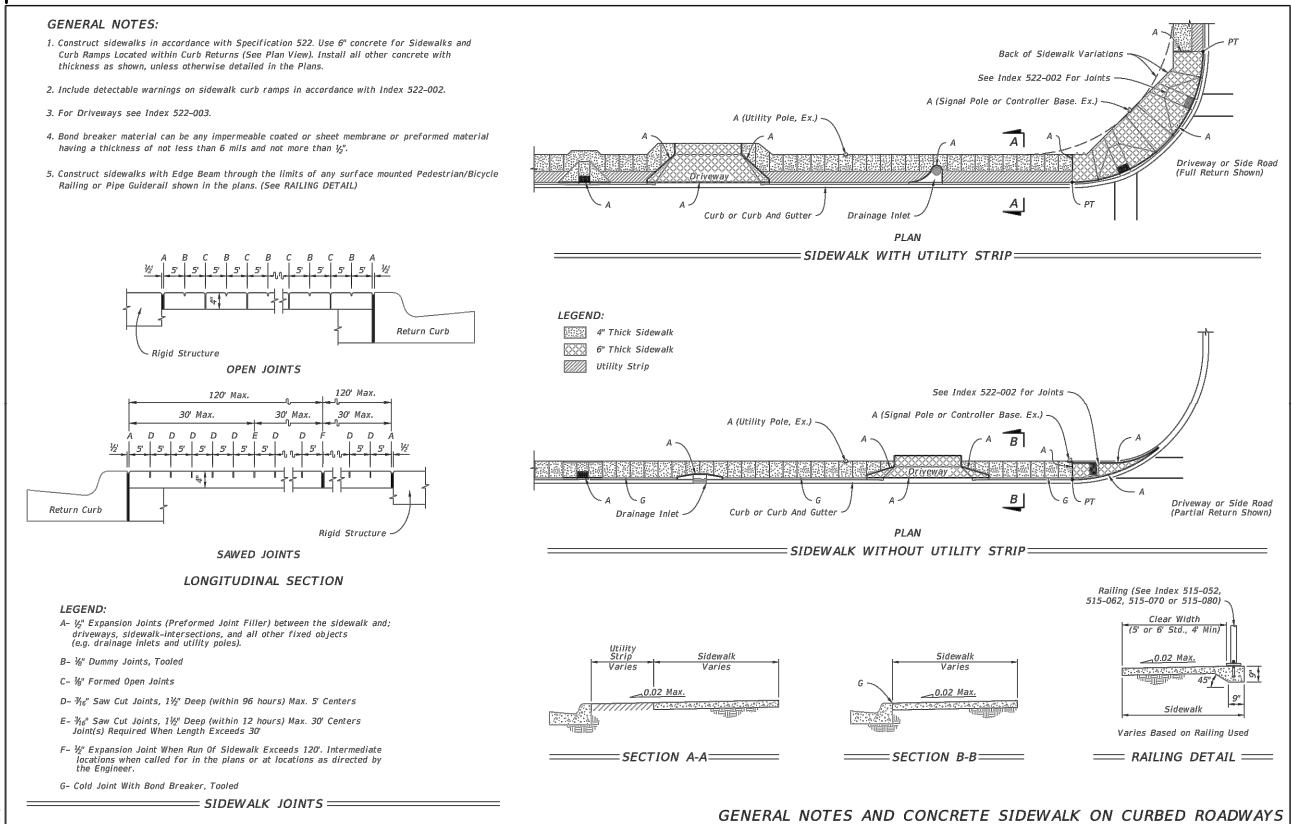




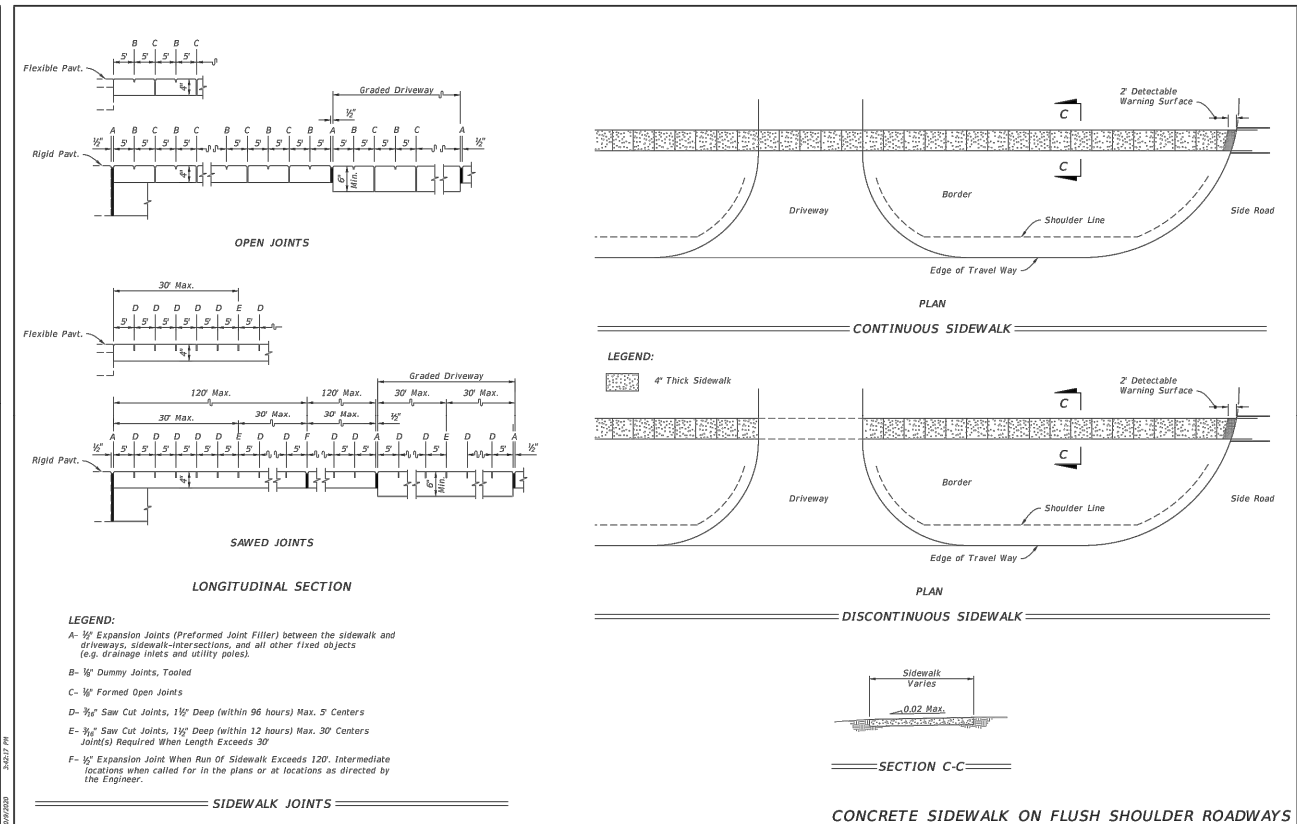
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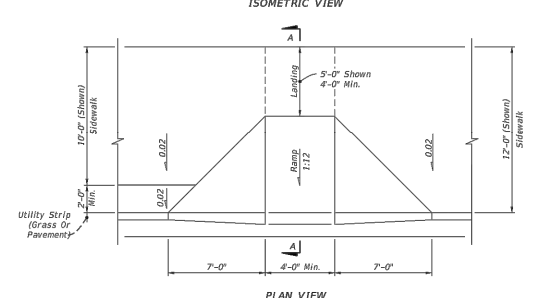
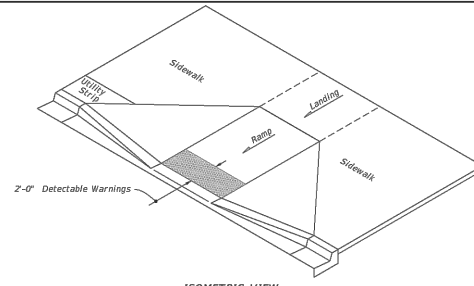
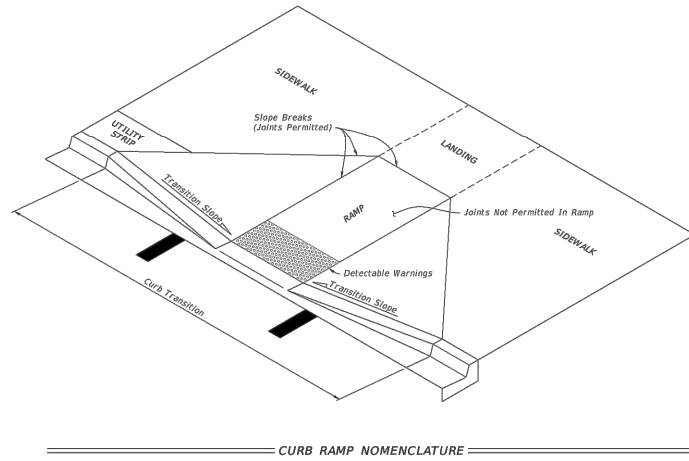
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| <b>REVISIONS</b><br><table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> |             | DATE | DESCRIPTION | DATE | DESCRIPTION |  |  |  |  | <br>CLAUDIA M. PEREZ, P.E.<br>FLORIDA LICENSE NO.: 87238<br>6401 SW 87th Avenue, Suite 200<br>Miami, Florida 33173<br>Tel: 305.670.2350 Fax: 305.670.2351<br>www.bcceng.com<br>Certificate of Authorization No. 7184 | CITY OF NORTH BAY VILLAGE<br>ROAD NO.      COUNTY      PROJECT NUMBER<br>-      MIAMI-DADE COUNTY      0190151.01 |  | TREASURE ISLAND ADA IMPROVEMENTS<br>DETAILS |  | SHEET NO.<br>22 |
|---|-------------|------|-------------|------|-------------|--|--|--|--|--|---|--|---|--|-----------------|
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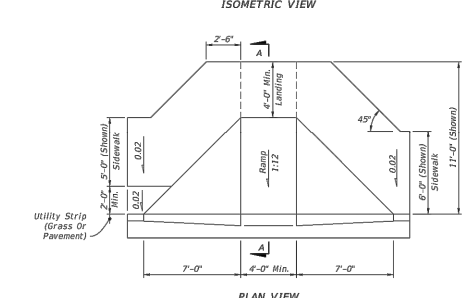
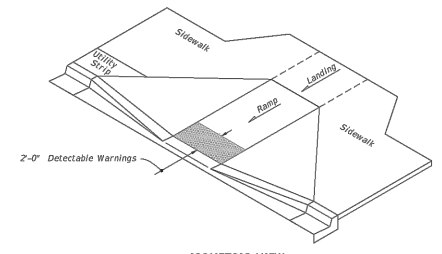
**GENERAL NOTES:**

1. **Cross Slopes and Grades:**
  - A. Sidewalk, ramp, and landing slopes (i.e. 0.02, 0.05, and 1:12) shown in this Index are maximums. With approval of the Engineer, provide the minimum feasible slope where the requirements cannot be met.
  - B. Landings must have cross-slopes less than or equal to 0.02 in any direction.
  - C. Maintain a single longitudinal slope along each side of the curb ramp. Ramp slopes are not required to exceed 15 feet in length.
  - D. Joints permitted at the location of Slope Breaks. Otherwise locate joints in accordance with Index 522-001. No joints are permitted within the ramp portion of the Curb Ramp.
2. **Curb, Curb and Gutter and/or Sidewalk:**
  - A. Refer to Index 522-001 for concrete thickness and sidewalk details.
  - B. Remove any existing curb, curb and gutter, or sidewalk to the nearest joint beyond the curb transition or to the extent that no remaining section is less than 5 feet long.
3. **Curb Ramp Alpha-Identification:**
  - A. Sidewalk curb ramp alpha-identifications (e.g. CR-A) are provided for reference purposes in the Plans.
  - B. Alpha-identifications CR-I and CR-J are intentionally omitted.
4. **Detectable Warnings:**
  - A. Install detectable warnings in accordance with Specification 527.
  - B. Place detectable warnings across the full width of the ramp or landing, to a minimum depth of 2 feet measured perpendicular to the curb line and no greater than 5 feet from the back of the curb or edge of pavement.
  - C. If detectable warnings are shown in the Plans on slopes greater than 5%, align the truncated domes with the centerline of the ramp; otherwise, the truncated domes are not required to be aligned.

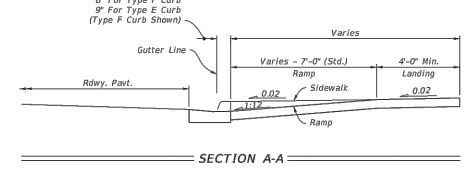


NOTE: For Example of CR-A used in Radial Curb Returns, See Sheet 8.

CR-A



CR-B

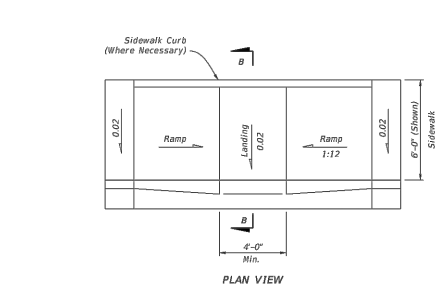


SECTION A-A

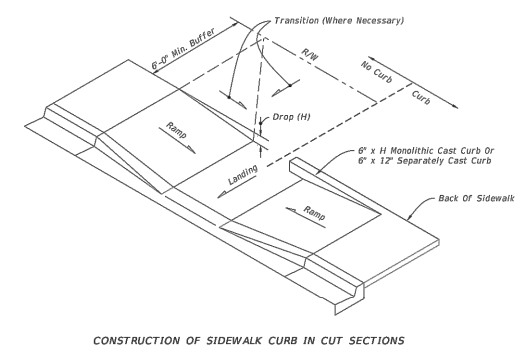
SIDEWALK CURB RAMPS CR-A AND CR-B

|                           |              |      |                              |   |                  |                 |
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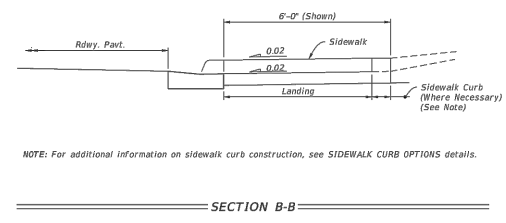
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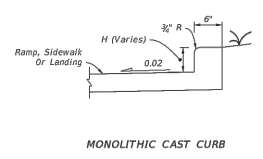
CR-C



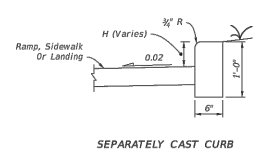
CONSTRUCTION OF SIDEWALK CURB IN CUT SECTIONS



SECTION B-B



MONOLITHIC CAST CURB

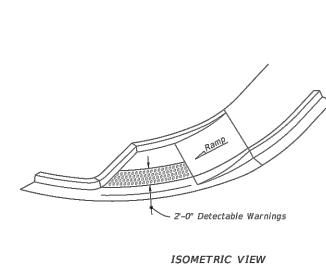


SEPARATELY CAST CURB

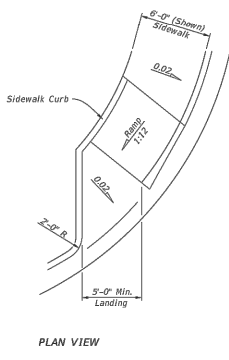
SIDEWALK CURB OPTIONS

SIDEWALK CURB RAMPS CR-C AND SIDEWALK CURB

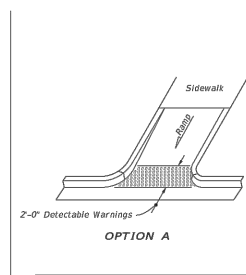
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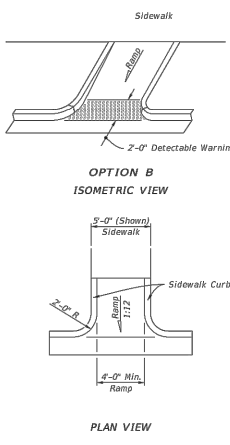
CR-D



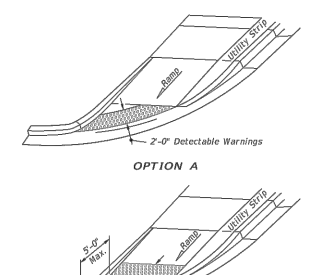
CR-D



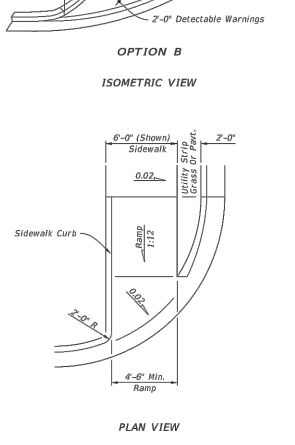
CR-E



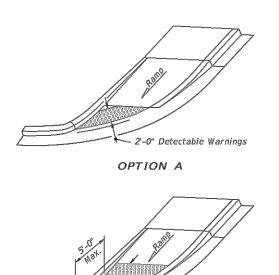
CR-E



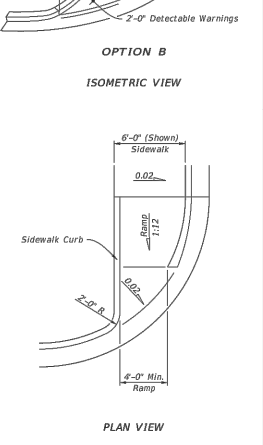
CR-F



CR-F



CR-G



CR-G

SIDEWALK CURB RAMPS CR-D, CR-E, CR-F & CR-G

|                           |              |      |                              |   |                  |                 |
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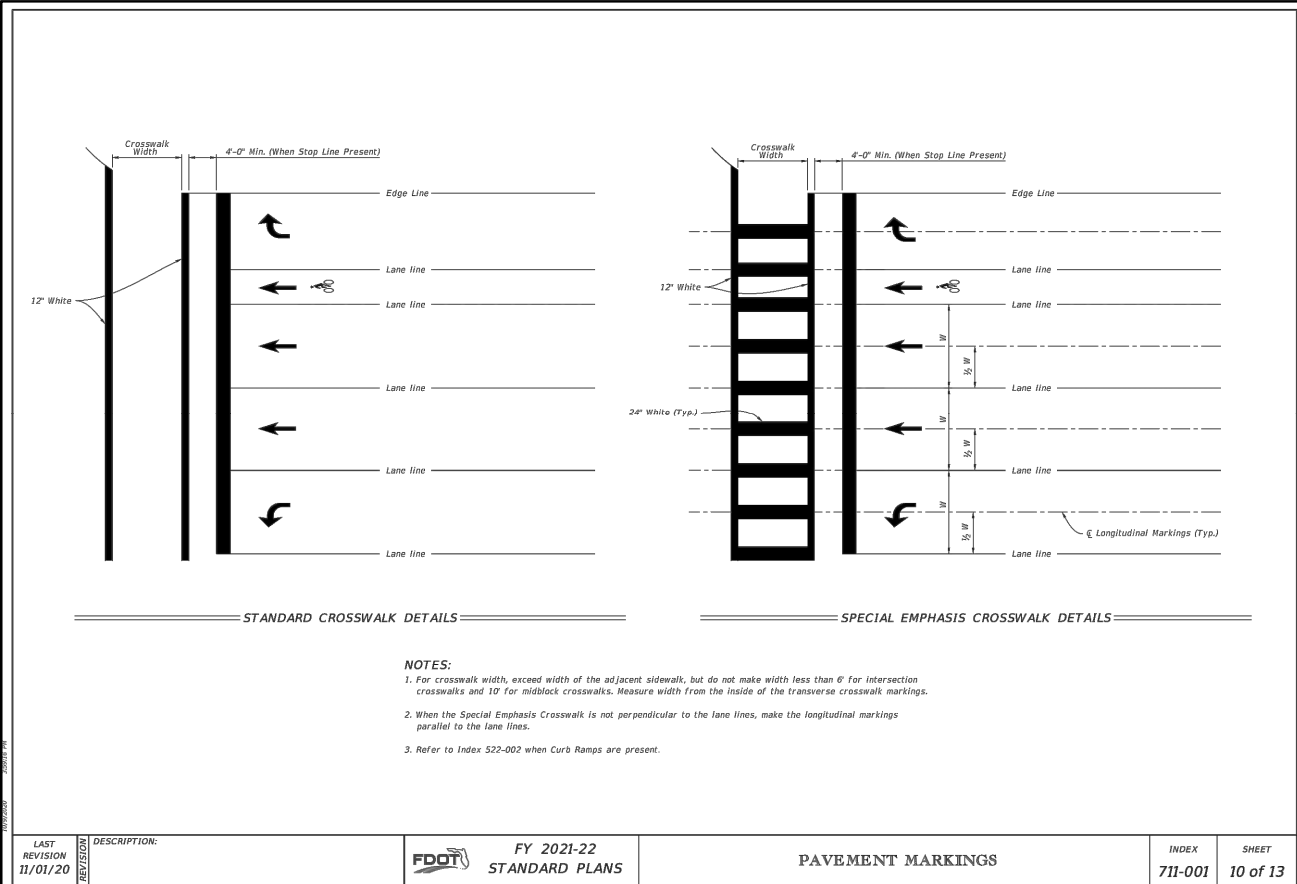
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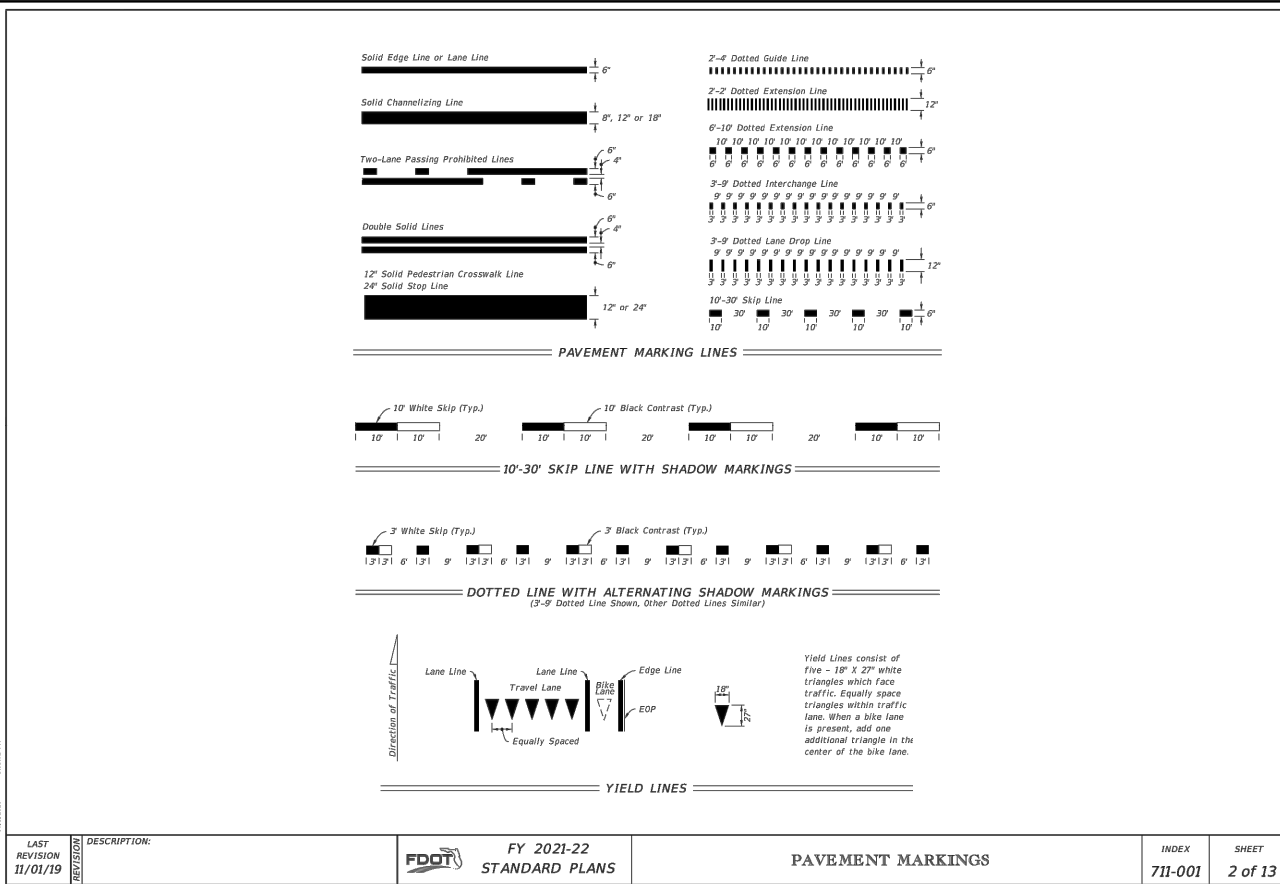
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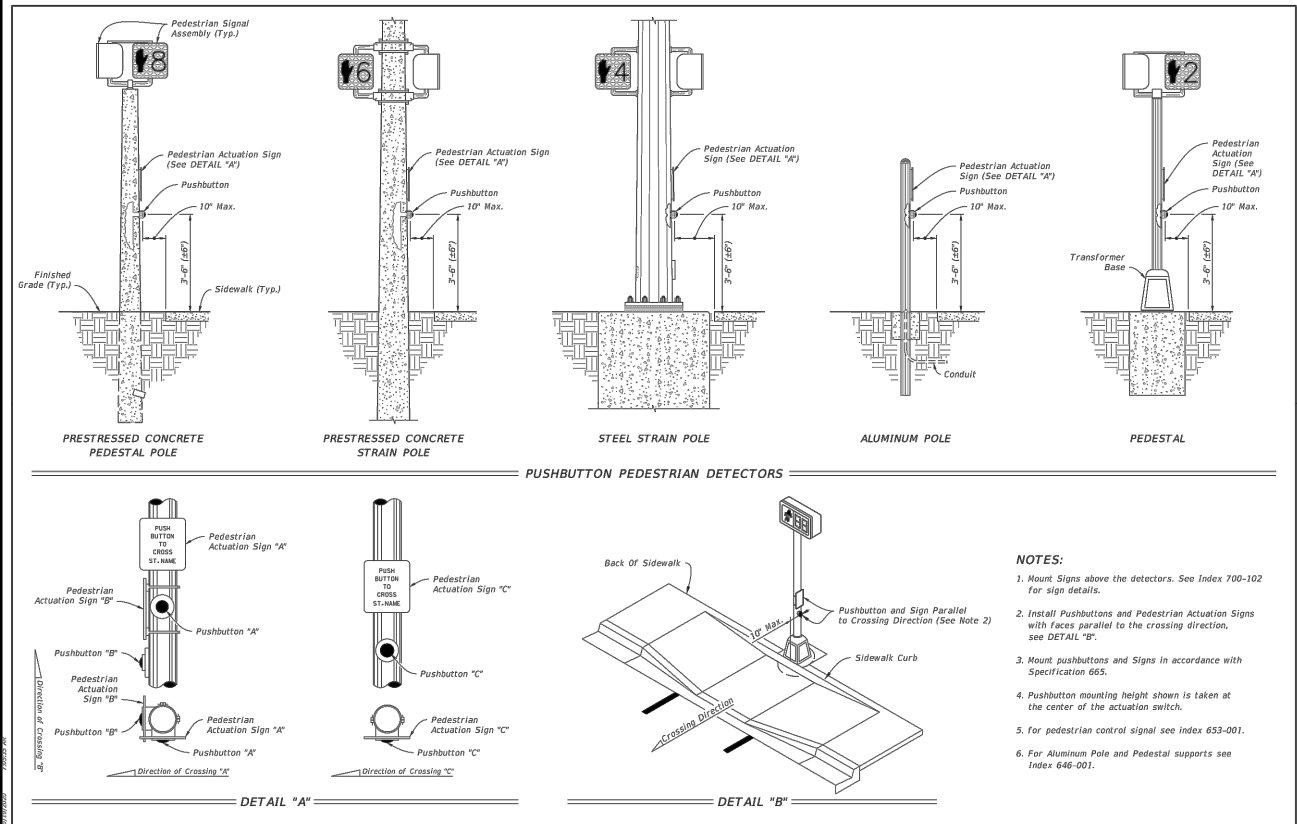




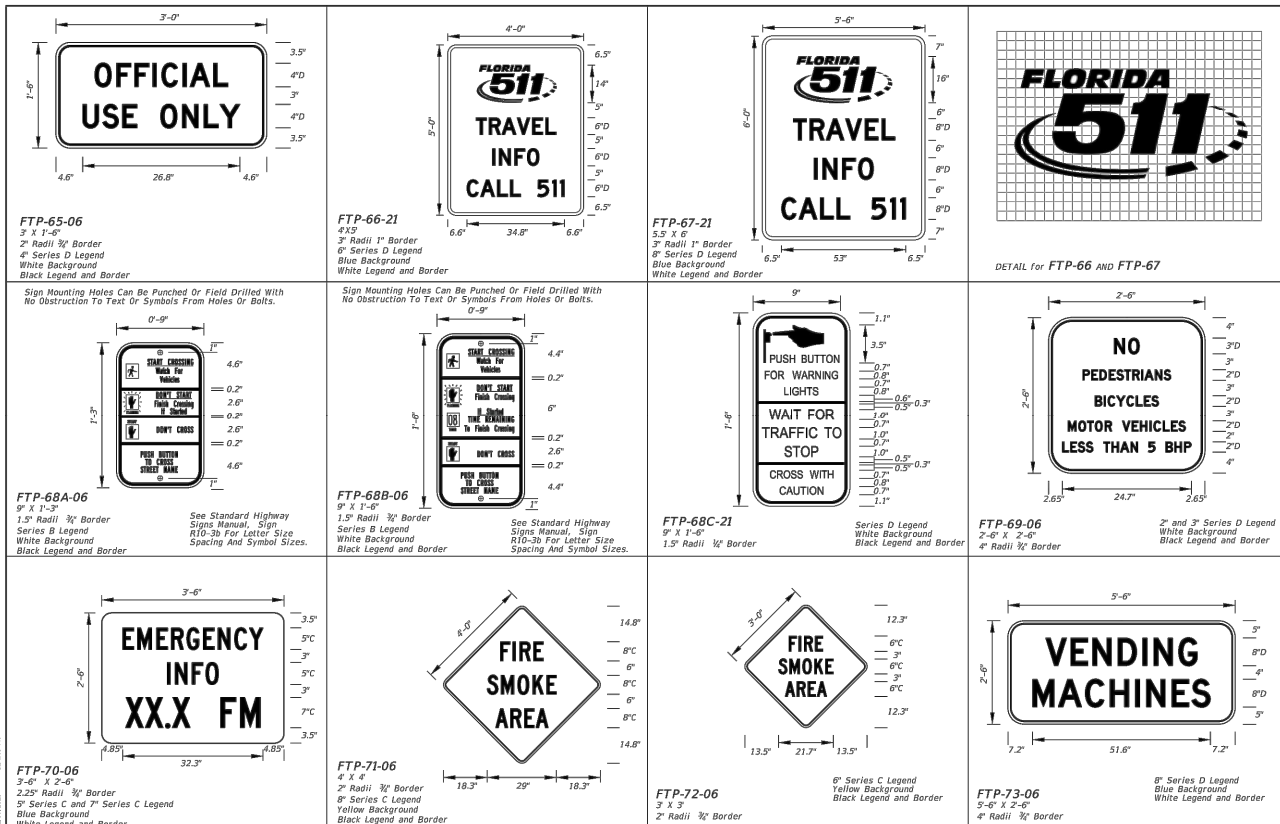
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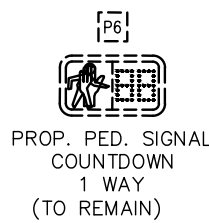
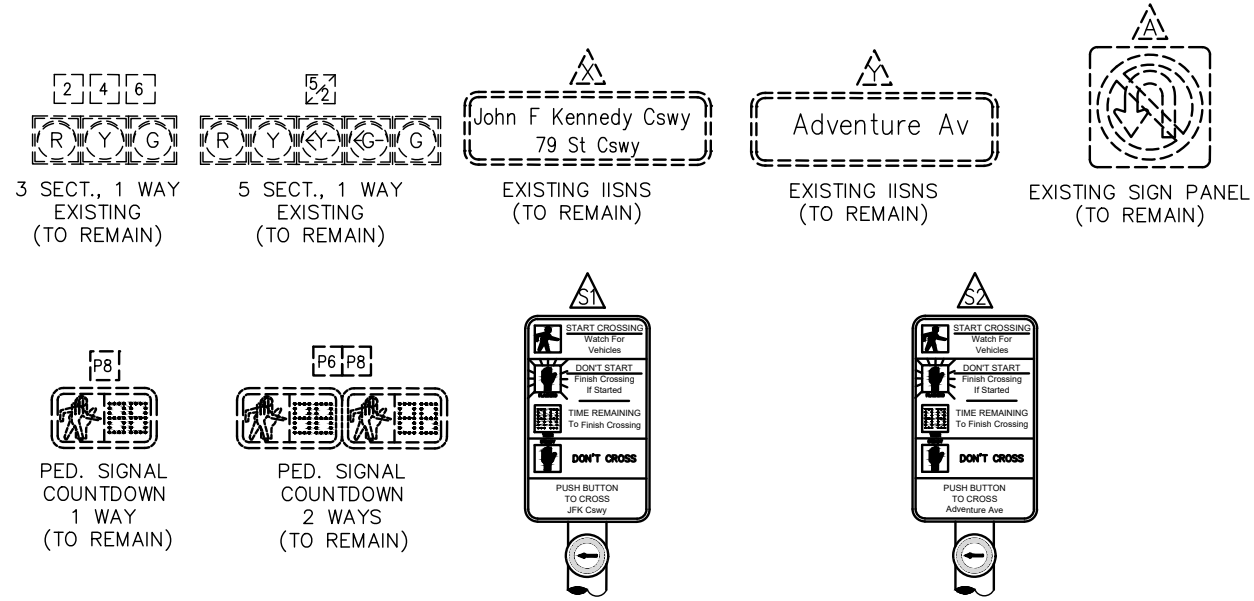


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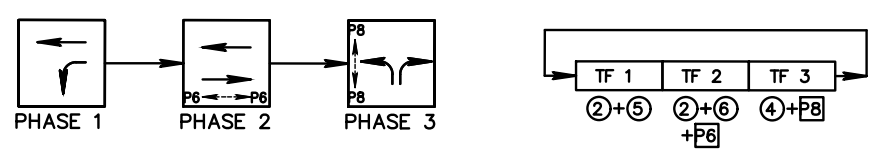
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| REVISIONS |  | REVISIONS |  | CLAUDIA M. PEREZ, P.E.<br>FLORIDA LICENSE NO.: 87238<br>6401 SW 87th Avenue, Suite 200<br>Miami, Florida 33173<br>Tel: 305.670.2350 Fax: 305.670.2351<br>www.bcceng.com<br>Certificate of Authorization No. 7184 |  | CITY OF NORTH BAY VILLAGE<br>ROAD NO. COUNTY PROJECT NUMBER<br>- MIAMI-DADE COUNTY 0190151.01 |  | TREASURE ISLAND ADA IMPROVEMENTS<br>DETAILS |  | SHEET NO.<br>24 |
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SIGNAL HEAD AND SIGN DETAILS



S.O.P.

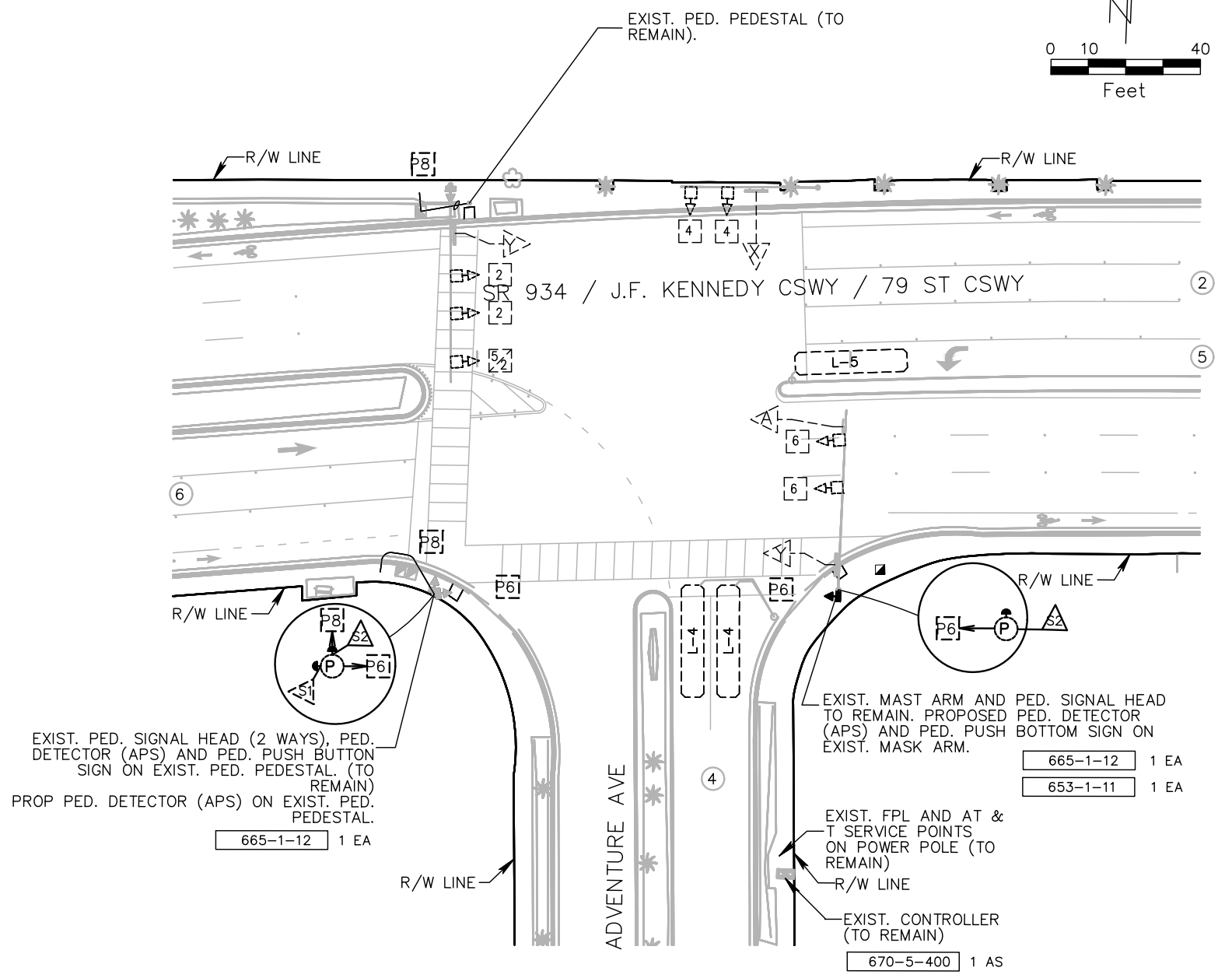
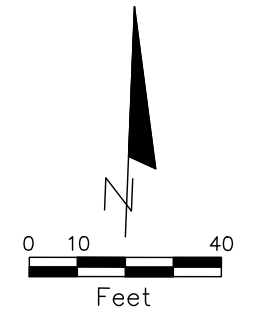


CONTROLLER OPERATIONS:

1. MAJOR STREET: SR 934 / J.F. KENNEDY CSWY  
MINOR STREET: ADVENTURE AVE
2. SIGNAL OPERATING PLAN (SOP) AS SHOWN
3. FLASHING OPERATION: 2 & 6 - YELLOW  
4 - RED

NOTES:

1. SIGNAL TIMING AND APS SETTINGS TO BE PROVIDED BY MIAMI-DADE COUNTY PUBLIC WORKS AND WASTE MANAGEMENT, TRAFFIC SIGNALS AND SIGNS DIVISION.
2. THE FOLLOWING MESSAGE SHALL BE PROGRAMMED INTO THE APS SYSTEM:  
WAIT TO CROSS ADVENTURE AVENUE.
3. FOR APS PUSH BOTTOM SETTINGS USE TYPE C INTERSECTION.



CONDUIT & CABLE ITEMS

- 630-2-11 20 LF
- 632-7-2 200 LF

SR 934 / J.F. KENNEDY CSWY AND ADVENTURE AVE INTERSECTION ID No. 3014

| REVISIONS |             |      |             |
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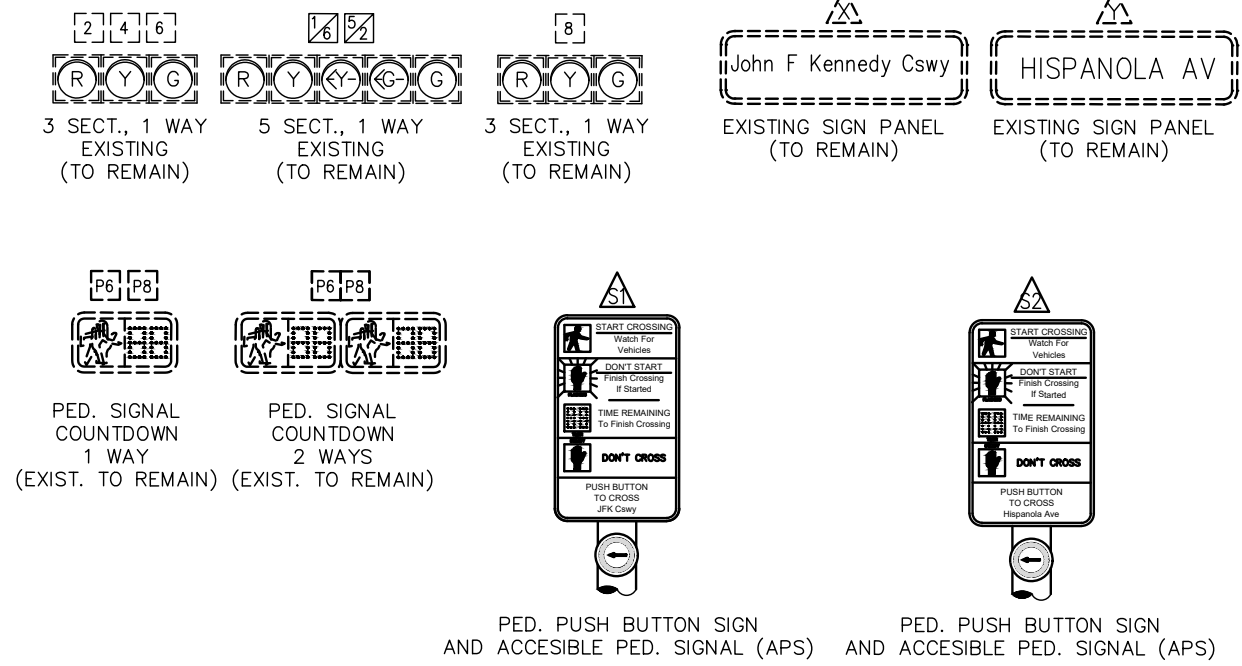
CLAUDIA M. PEREZ, P.E.  
FLORIDA LICENSE NO.: 87238  
6401 SW 87th Avenue, Suite 200  
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| CITY OF NORTH BAY VILLAGE |                   |                |
| ROAD NO.                  | COUNTY            | PROJECT NUMBER |
| -                         | MIAMI-DADE COUNTY | 0190151.01     |

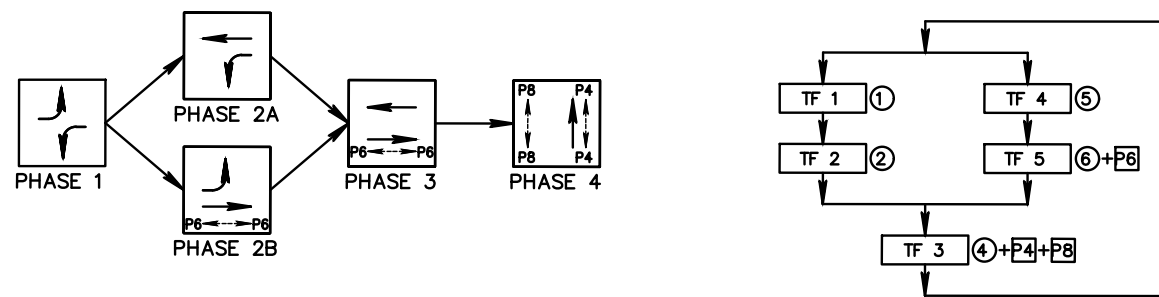
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| TREASURE ISLAND ADA IMPROVEMENTS | SHEET NO. |
| SIGNALIZATION PLANS              | 25        |



**SIGNAL HEAD AND SIGN DETAILS**



**S.O.P.**

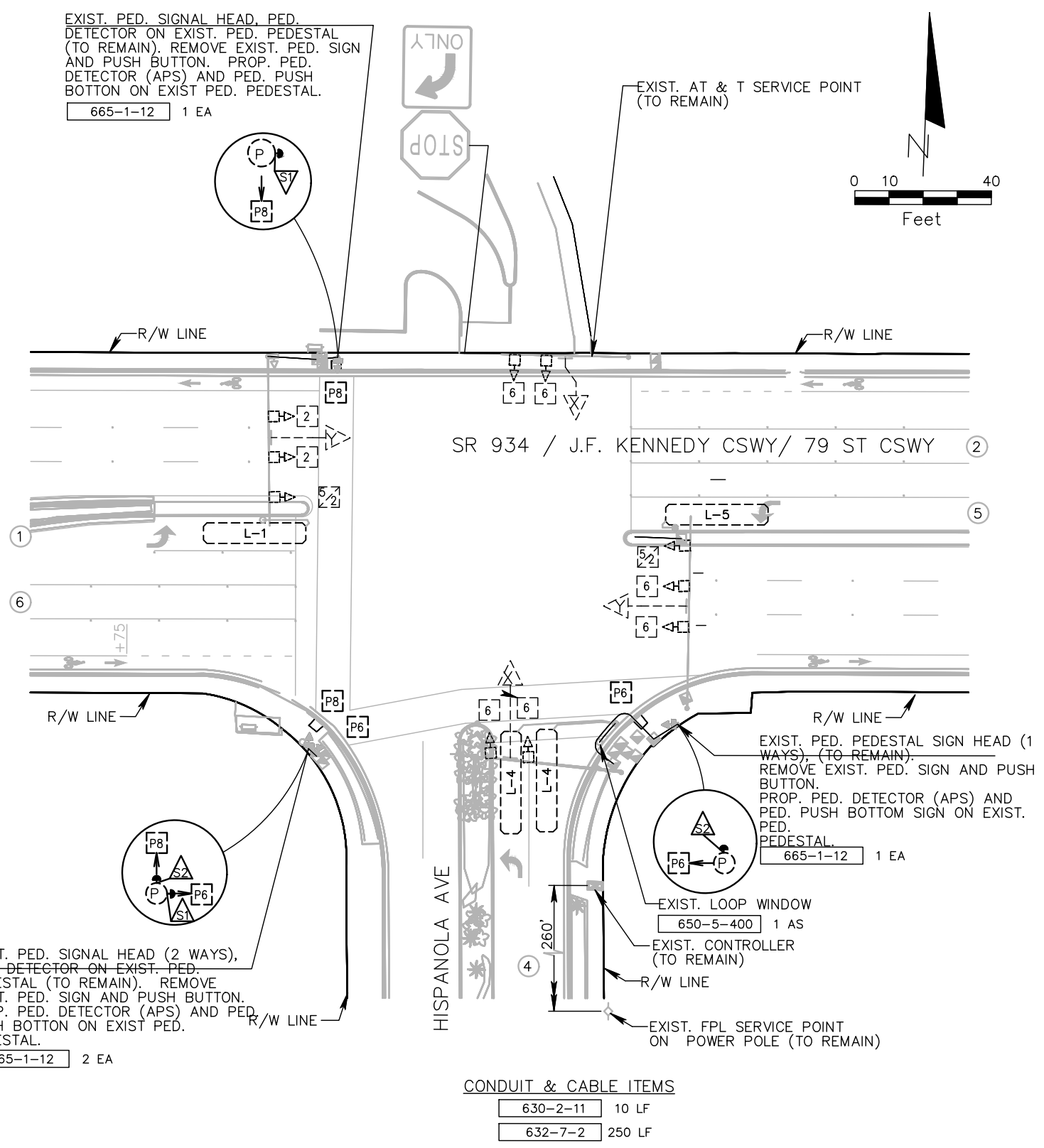


**CONTROLLER OPERATIONS:**

1. MAJOR STREET: SR 934 / J.F. KENNEDY CSWY  
MINOR STREET: HISPANOLA AVE
2. SIGNAL OPERATING PLAN (SOP) AS SHOWN
3. FLASHING OPERATION: 2 & 6 - YELLOW  
4 - RED

**NOTES:**

1. SIGNAL TIMING AND APS SETTINGS TO BE PROVIDED BY MIAMI-DADE COUNTY PUBLIC WORKS AND WASTE MANAGEMENT, TRAFFIC SIGNALS AND SIGNS DIVISION.
2. THE FOLLOWING MESSAGE SHALL BE PROGRAMMED INTO THE APS SYSTEM:  
 ⚠️ WAIT TO CROSS JOHN F. KENNEDY CAUSEWAY  
 ⚠️ WAIT TO CROSS HISPANOLA AVENUE
3. FOR APS PUSH BOTTOM SETTINGS USE TYPE C INTERSECTION.



SR 934 / J.F. KENNEDY CSWY AND HISPANOLA AVE INTERSECTION ID No. 3013

| REVISIONS |             |      |             |
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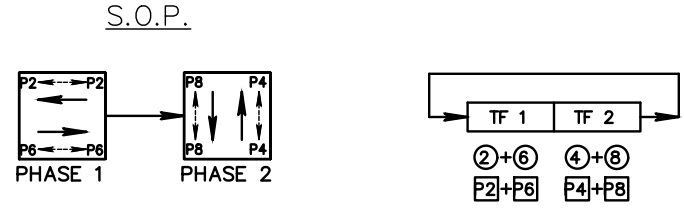
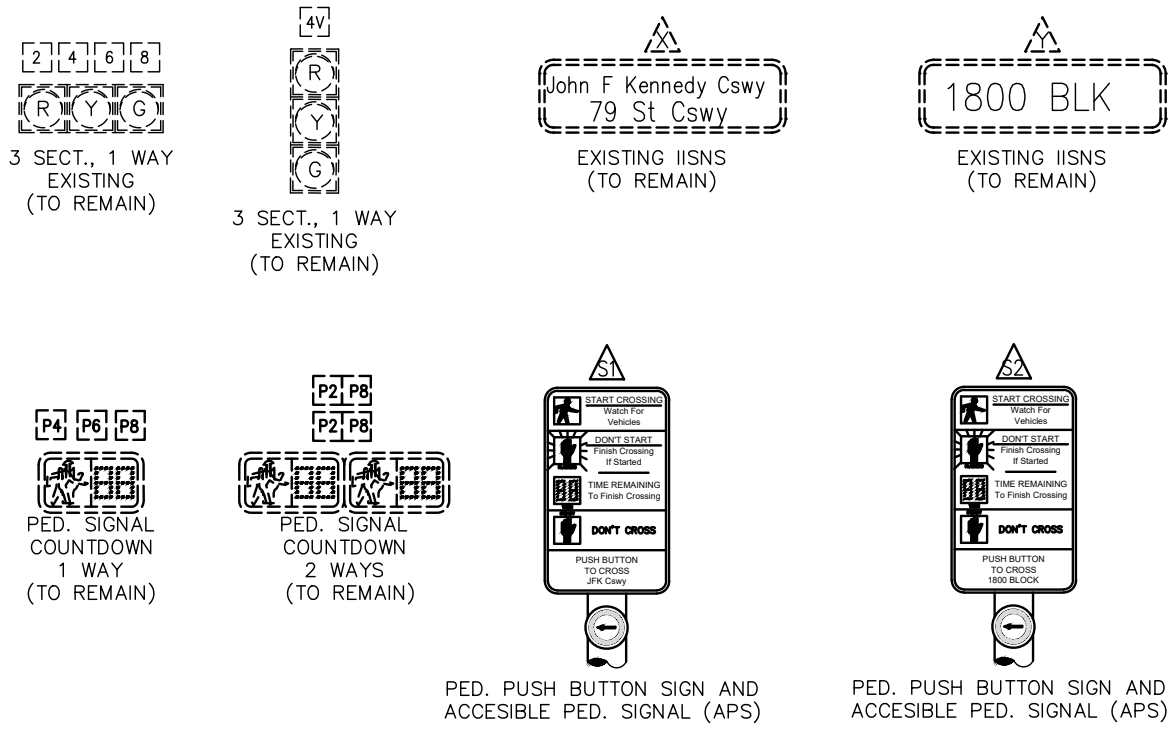
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| CITY OF NORTH BAY VILLAGE |                   |                |
| ROAD NO.                  | COUNTY            | PROJECT NUMBER |
| -                         | MIAMI-DADE COUNTY | 0190151.01     |

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| TREASURE ISLAND ADA IMPROVEMENTS | SHEET NO. |
| SIGNALIZATION PLANS              | 26        |



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SIGNAL HEAD AND SIGN DETAILS



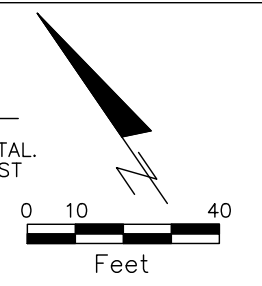
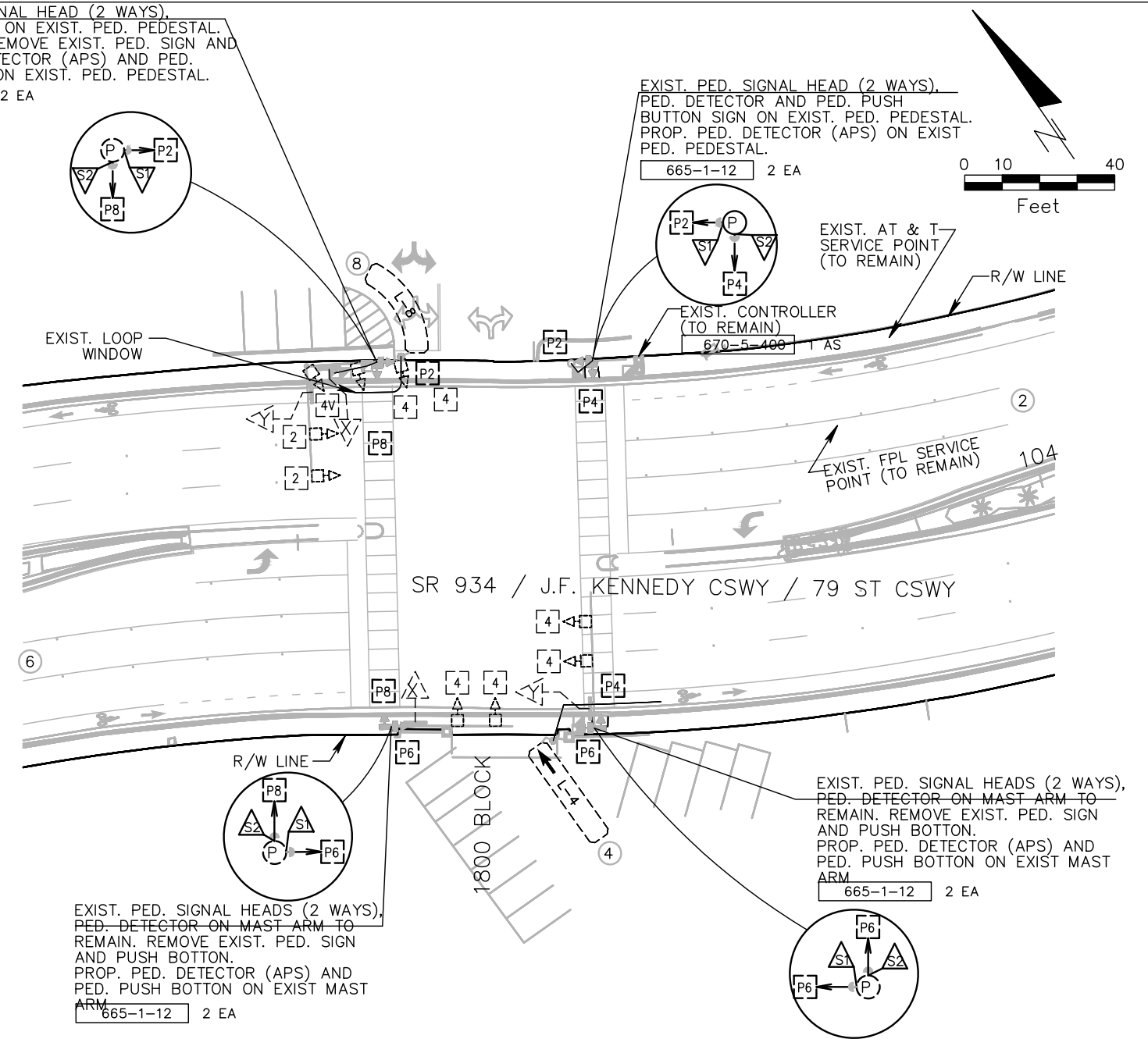
CONTROLLER OPERATIONS:

1. MAJOR STREET: SR 934 / J.F. KENNEDY CSWY  
MINOR STREET: 1800 BLOCK
2. SIGNAL OPERATING PLAN (SOP) AS SHOWN
3. FLASHING OPERATION: 2 & 6 - YELLOW  
4 & 8 - RED

NOTES:

1. SIGNAL TIMING AND APS SETTINGS TO BE PROVIDED BY MIAMI-DADE COUNTY PUBLIC WORKS AND WASTE MANAGEMENT, TRAFFIC SIGNALS AND SIGNS DIVISION.
2. THE FOLLOWING MESSAGE SHALL BE PROGRAMMED INTO THE APS SYSTEM:  
 WAIT TO CROSS JOHN F. KENNEDY CAUSEWAY  
 WAIT TO CROSS 1800 BLOCK
3. FOR APS PUSH BOTTOM SETTINGS USE INTERSECTION TYPE B.

EXIST. PED. SIGNAL HEAD (2 WAYS),  
PED. DETECTOR ON EXIST. PED. PEDESTAL.  
(TO REMAIN). REMOVE EXIST. PED. SIGN AND  
PROP. PED. DETECTOR (APS) AND PED.  
PUSH BOTTOM ON EXIST. PED. PEDESTAL.  
665-1-12 2 EA



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| ROAD NO.                  | COUNTY            | PROJECT NUMBER |
| -                         | MIAMI-DADE COUNTY | 0190151.01     |

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| TREASURE ISLAND ADA IMPROVEMENTS |  |
| SIGNALIZATION PLANS              |  |

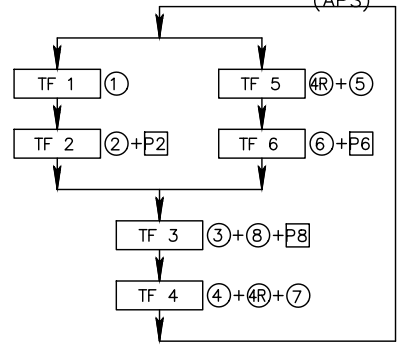
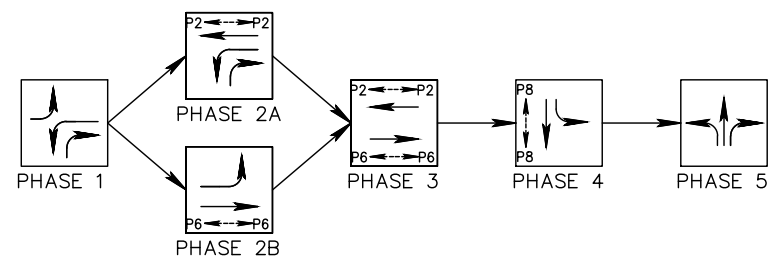
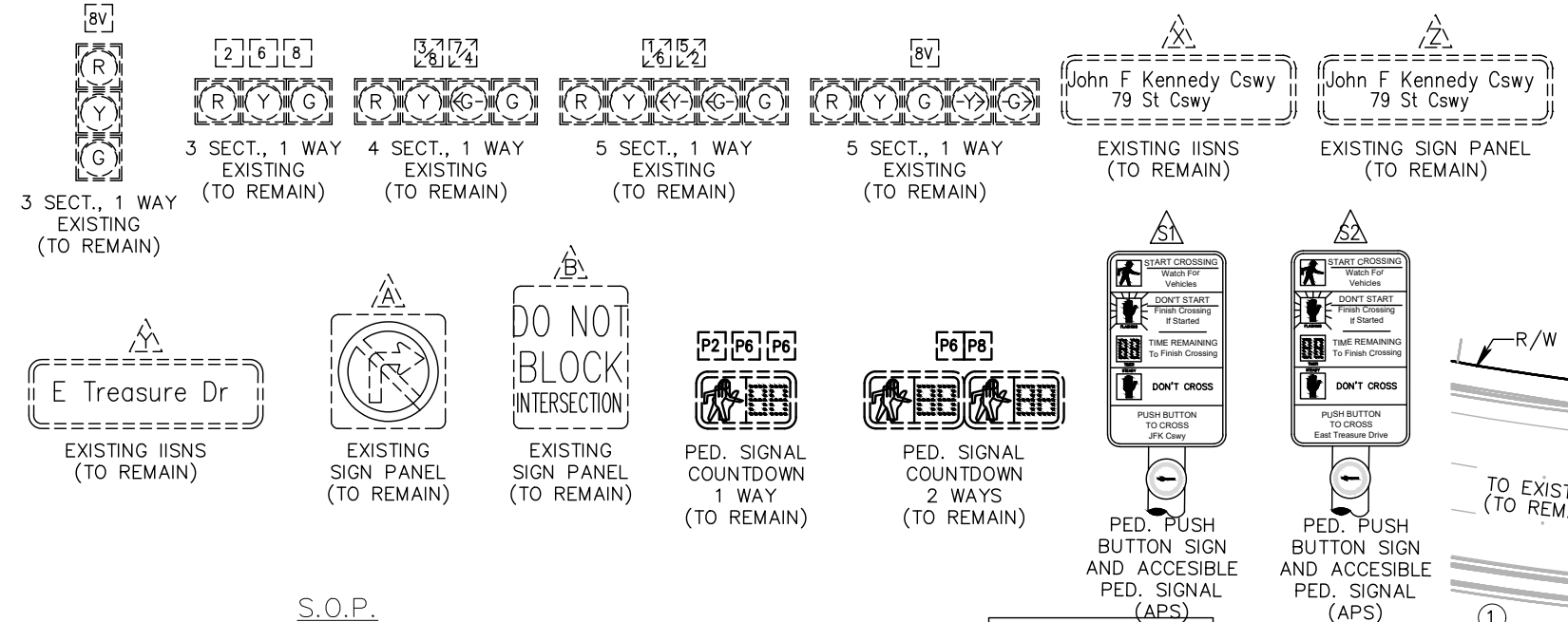
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SIGNAL HEAD AND SIGN DETAILS



CONTROLLER OPERATIONS:

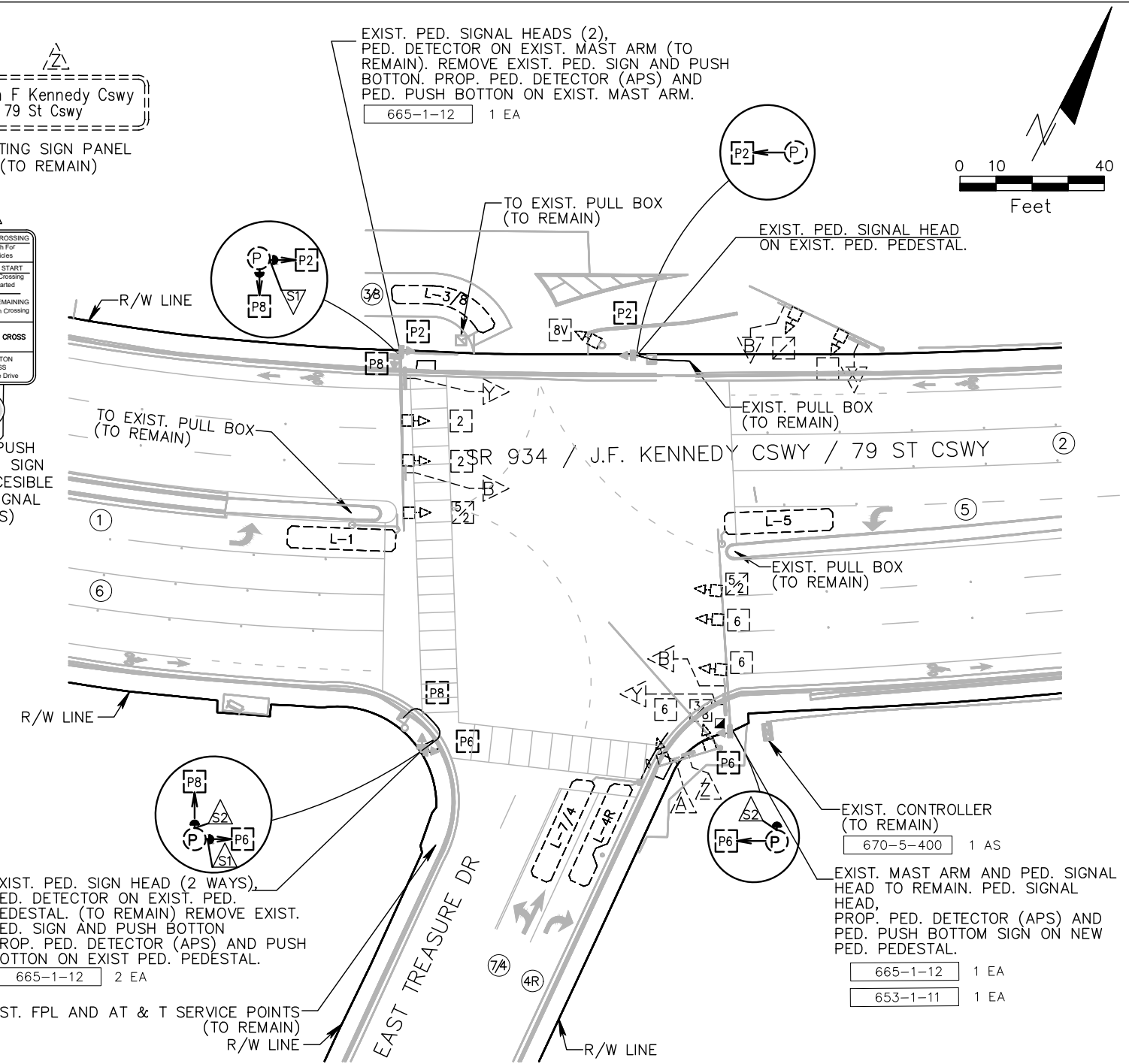
1. MAJOR STREET: SR 934 / J.F. KENNEDY CSWY  
MINOR STREET: EAST TREASURE DR
2. SIGNAL OPERATING PLAN (SOP) AS SHOWN
3. FLASHING OPERATION: 2 & 6 - YELLOW  
3, 4, 4R & 8 - RED

NOTES:

1. SIGNAL TIMING AND APS SETTINGS TO BE PROVIDED BY MIAMI-DADE COUNTY PUBLIC WORKS AND WASTE MANAGEMENT, TRAFFIC SIGNALS AND SIGNS DIVISION.
2. THE FOLLOWING MESSAGE SHALL BE PROGRAMMED INTO THE APS SYSTEM:  

⚠️ WAIT TO CROSS JOHN F. KENNEDY CAUSEWAY

⚠️ WAIT TO CROSS EAST TREASURE DRIVE
3. FOR APS PUSH BOTTOM SETTINGS USE INTERSECTION TYPE B.



CONDUIT & CABLE ITEMS

|          |        |
|----------|--------|
| 630-2-11 | 80 LF  |
| 632-7-2  | 280 LF |

SR 934 / J.F. KENNEDY CSWY AND EAST TREASURE DR INTERSECTION ID No. 3016

| REVISIONS |             |      |             |
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| ROAD NO.                  | COUNTY            | PROJECT NUMBER |
| -                         | MIAMI-DADE COUNTY | 0190151.01     |

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| TREASURE ISLAND ADA IMPROVEMENTS |
| SIGNALIZATION PLANS              |

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| SHEET NO. |
| 28        |