

OCEAN REEF CLUB

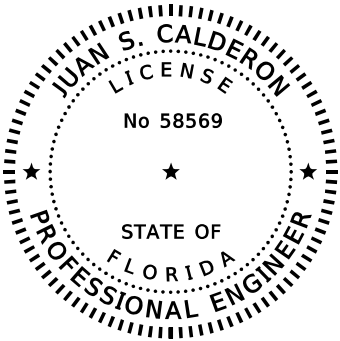
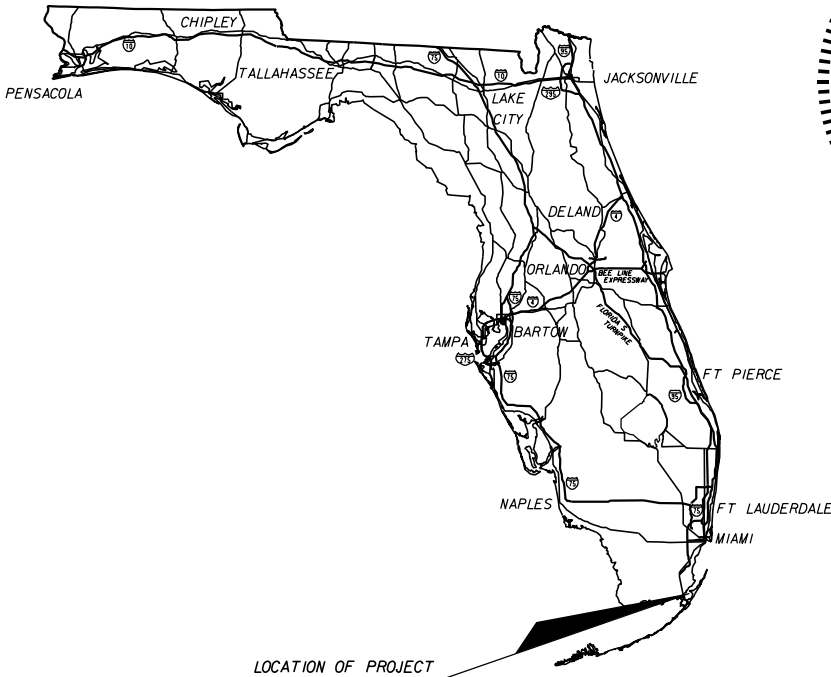
35 OCEAN REEF DRIVE, SUITE 200 - KEY LARGO, FLORIDA 33037

SIGNING AND PAVEMENT MARKINGS PLANS

CARD SOUND ROAD
FM# 453254-1-54-01

INDEX OF SIGNING AND PAVEMENT MARKINGS PLANS

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THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

SIGNING AND PAVEMENT MAKRING PLANS
ENGINEER OF RECORD:

JUAN S. CALDERON, P.E. NO.: 58569
CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FL 33172
(786) 456-7700

NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2022-23 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the following website: <http://www.fdot.gov/design/standardplans>

GOVERNING STANDARD SPECIFICATIONS:

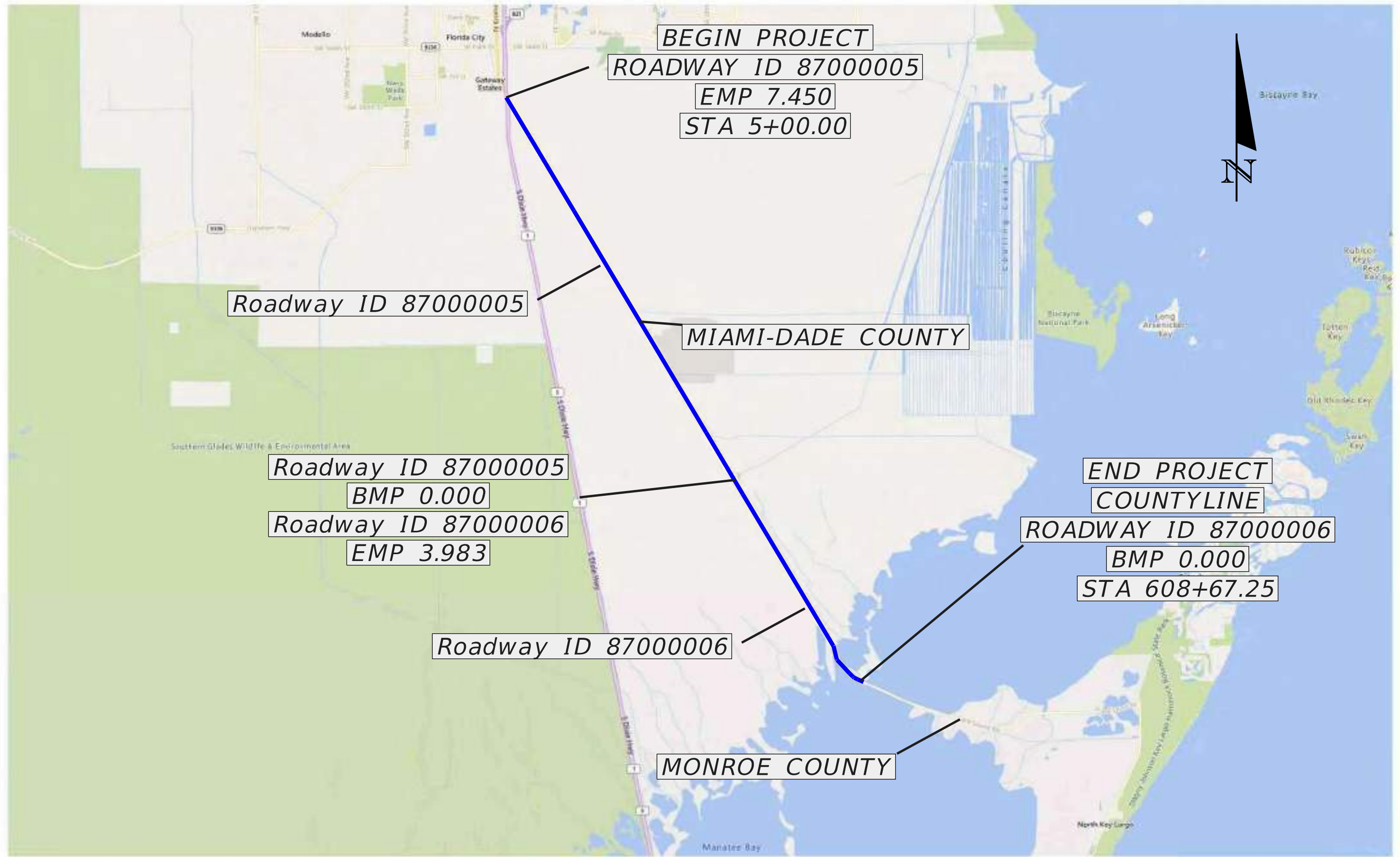
Florida Department of Transportation, July 2022 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

100% CONSTRUCTION PLANS

| FISCAL YEAR | SHEET NO. |
|-------------|-----------|
| | S-1 |

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

\$DATE\$ \$TIME\$ \$USER\$
C:\Worksets\FDOT\Card Sound Rd - Location Map\SigningAndMarking\Location Map.dgn



| REVISIONS | | | |
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| DATE | DESCRIPTION | DATE | DESCRIPTION |
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CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-0711
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.:58569

OWNER:



PROJECT LOCATION MAP

SHEET
NO.

S-1A

GENERAL

1. UNLESS OTHERWISE NOTED IN THE TECHNICAL SPECIFICATIONS: INSTALLATION, ACCEPTANCE, AND PAYMENT FOR ALL ITEMS REQUIRED IN THESE PLANS SHALL BE IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING: MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (STANDARD SPECIFICATIONS), FDOT TRAFFIC DESIGN STANDARDS (STANDARD INDEXES), MIAMI-DADE COUNTY PUBLIC WORKS STANDARD DETAILS, AND ANY OR ALL MIAMI-DADE COUNTY, MONROE COUNTY TRAFFIC ENGINEERING REQUIREMENTS THAT MEET OR EXCEED THOSE FOUND IN THE ABOVE REFERENCED DOCUMENTS.

2.EXISTING DRAINAGE STRUCTURES WITHIN THE CONSTRUCTION LIMITS SHALL REMAIN, AND BE PROTECTED UNLESS OTHERWISE NOTED.

3.THE CONTRACTOR SHALL BE ADVISED THAT OTHER PROJECTS MAY BE UNDER CONSTRUCTION CONCURRENTLY WITH THIS PROJECT AND THAT COORDINATION EFFORTS MAY BE NECESSARY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE CONSTRUCTION SCHEDULE AND FOR THE AMOUNT OF COORDINATION REQUIRED. THE CONTRACTOR SHALL COORDINATE ANY AND ALL CONSTRUCTION ACTIVITIES AND TRAFFIC CONTROL PHASES WITH ANY OTHER CONTRACTOR WITHIN OR ADJACENT TO PROJECT LIMITS.

4. NOTHING IN THE GENERAL NOTES OR SPECIAL PROVISIONS SHALL RELIEVE THE CONTRACTOR FROM THEIR RESPONSIBILITIES TOWARD THE SAFETY AND CONVENIENCE OF THE GENERAL PUBLIC AND THE RESIDENCES ALONG THE PROPOSED CONSTRUCTION AREA.

5. THESE PLANS REFLECT CONDITIONS KNOWN DURING PLAN DEVELOPMENT. IN THE EVENT ACTUAL PHYSICAL CONDITIONS PREVENT THE APPLICATION OR THE PROGRESSION OF ANY WORK SPECIFIED IN THESE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD PRIOR TO ANY FURTHER WORK ACTIVITY.

6. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING PROJECT AREA, AND AREAS WHERE RELOCATION OF TREES (IF APPLICABLE, OTHERWISE TREES SHALL BE PROTECTED) WILL TAKE PLACE TO PRE-EXISTING OR BETTER CONDITIONS, AS ACCEPTABLE TO THE COUNTY, INCLUDING BUT NOT LIMITED TO LANDSCAPE, IRRIGATION, PAVEMENT MARKINGS, SIGNAGE, FENCES, SIDEWALKS, DRAINAGE, ETC.

7. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY REQUIRED PERMITS, AND PAYMENT OF ANY REQUIRED FEES USING THE PERMIT FEE ALLOWANCE ESTABLISHED IN THE BIDDOCUMENTS. ANY BALANCE AMOUNT LEFT IN THE PERMIT FEE ALLOWANCE AT THE END OF THE CONTRACT SHALL BE CREDITED BACK TO THE COUNTY.

UTILITIES

1. ALL EXISTING UTILITIES ARE TO REMAIN UNLESS OTHERWISE NOTED.

2. THE LOCATION OF THE UTILITIES SHOWN IN THE PLANS IS BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION. UTILITIES SHALL REMAIN UNLESS OTHERWISE NOTED.

3. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE LOCATION AND PROTECTION, REPAIR AND/OR REPLACEMENT OF ALL UTILITIES THAT MAY BE AFFECTED BY THE CONSTRUCTION OF THIS PROJECT.

4. TWO FULL BUSINESS DAYS PRIOR TO DIGGING THE CONTRACTOR SHALL CALL SUNSHINE STATE ONE CALL OF FLORIDA, TELEPHONE NUMBER 1-800-432-4770, AND THE UTILITY OWNER AND REQUEST UTILITY LOCATIONS. A CONTRACTOR'S REPRESENTATIVE MUST BE PRESENT WHEN UTILITY COMPANIES LOCATE THEIR FACILITIES.

5. THE CONTRACTOR IS ADVISED THAT PROPERTIES ADJACENT TO THE PROJECT HAVE ELECTRIC, TELEPHONE, GAS WATER AND/OR SEWER SERVICE LATERALS WHICH MAY NOT BE SHOWN IN PLANS. THE CONTRACTOR MUST REQUEST THE LOCATION OF THESE LATERAL SERVICES FROM THE UTILITY COMPANIES. THE ADDITIONAL COST OF EXCAVATING, INSTALLING, BACKFILLING AND COPACTING AROUND THESE LATERAL SERVICES MUST BE INCLUDED IN THE BID RELATED ITEM FOR THE WORK BEING DONE.

6. THE CONTRACTOR SHALL USE CAUTION WHEN WORKING IN OR AROUND AREAS OF EXISTING LOOP AND LEAD-IN WIRES, OVERHEAD TRANSMISSION LINES, AND UNDERGROUND UTILITIES. THE CONTRACTOR SHALL HAND EXCAVATE IN THE VICINITY OF UNDERGROUND UTILITIES. THE HAND EXCAVATING PAYMENT SHALL BE INCLUDED IN THE PRICE OF EQUIPMENT/CONDUIT.

STRUCTURES

1. THE CONTRACTOR SHALL VERIFY STRUCTURE ORIENTATION PRIOR TO PLACEMENT. STRUCTURES OF INCORRECT ORIENTATION SHALL BE REPLACED AT CONTRACTORS EXPENSE. THE CONTRACTOR SHALL VERIFY THAT ALL STRUCTURES AND FOUNDATIONS ARE SET TO ELEVATIONS THAT WILL MEET GRADING REQUIREMENTS AT SIDEWALKS AND SLOPES, AND VERTICAL CLEARANCE REQUIREMENTS SPECIFIED IN FDOT, MUTCD, AND COUNTY STANDARDS PRIOR TO INSTALLING STRUCTURAL MATERIAL. IF A DISCREPANCY IS FOUND, CONTACT THE ENGINEER OF RECORD.

SURVEY

1. THE CONTRACTOR SHALL CAREFULLY PROTECT FROM DISTURBANCE ALL SURVEY MONUMENTS, STAKES AND BENCH MARKS. ALL MAJOR SURVEY MONUMENTS THAT HAVE BEEN DAMAGED BY THE CONTRACTOR, INCLUDING SECTION CORNERS, ¼ SECTION CORNERS, PROPERTY CORNERS ORBLOCK CONTROL POINTS SHALL BE REPLACED UNDER THE SUPERVISION OF A FLORIDA REGISTERED LAND SURVEYOR AND MAPPER AT THE CONTRACTORS EXPENSE WITH MARKERS OF A SIZE AND TYPE APPROVED BY THE SURVEYOR.

SIGNING AND PAVEMENT MARKINGS

1. ALL SIGNING AND PAVEMENT MARKINGS INSTALLED AS PART OF THESE PLANS SHALL CONFORM TO THE CURRENT EDITION OF THE FEDERAL HIGHWAY ADMINISTRATION (FHWA) MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS (MUTCD), FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS. ALL SIGNS PANELS SHALL BE FABRICATED TO COMPLY WITH THE MOST RECENT EDITION OF THE FEDERAL HIGHWAY ADMINISTRATION STANDARD HIGHWAY SIGNS.

2. MATCH EXISTING PAVEMENT MARKINGS AT THE BEGINNING AND THE END OF THE PROJECTS AND AT ALL SIDE STREETS WITHOUT JOGS AND OFFSETS.

3. SIGN ASSEMBLY LOCATIONS SHOWN ON PLANS WHICH ARE IN CONFLICT WITH LIGHTING, UTILITIES, DRIVEWAYS, CURB-CUT, RAMPS, ETC., MAY BE ADJUSTED SLIGHTLY AS DIRECTED BY THE ENGINEER, EXTREME LOCATIONS CHANGES MUST BE APPROVED BY THE COUNTY.

4. INCORRECTLY PLACED THERMOPLASTIC MARKINGS OVER ASPHALT WILL BE REMOVED AT THE CONTRACTOR'S EXPENSE WITHOUT DAMAGING THE ASPHALT BY A METHOD APPROVED BY THE COUNTY.

5. THE CONTRACTOR SHALL SUBMIT A LIST OF THE EXISTING SIGNS TO THE COUNTY ENGINEER AT THE PRE-CONSTRUCTION CONFERENCE. ANY LOST OR DAMAGED SIGNS DURING CONSTRUCTION SHALL BE REPLACED AT NO ADDITIONAL COST.

6. ALL PAVEMENT MARKINGS, WHEN NOTED, SHALL BE THERMOPLASTIC AS PER THE LATEST FDOT SPECIFICATIONS.

7. EACH EXISTING SIGN AFFECTED BY CONSTRUCTION SHALL BE RELOCATED AND MAINTAINED IN AN APPROPRIATE LOCATION FOR THE DURATION OF THE PROJECT, WHEN NO LONGER AFFECTED BY CONSTRUCTION, THESE SIGNS SHALL BE RESTORED TO THEIR ORIGINAL POSITIONS. TEMPORARILY RELOCATING AND RESTORING THE SIGNS SHALL BE INCLUDED IN PAY ITEM 102-1 MAINTENANCE OF TRAFFIC.

8. EXISTING PAVEMENT MARKINGS REMOVAL IS TO BE DONE BY HYDROBLASTING. NO SANDBLASTING WILL BE ALLOWED.

9. ANY PAVEMENT MARKINGS OR SIGNS DAMAGED DURING CONSTRUCTION SHALL BE RESTORED ACCORDING TO MIAMI-DADE COUNTY AND FDOT STANDARDS.

AS-BUILTS

1. THE CONTRACTOR SHALL PROVIDE SIX (6) SETS OF MARKED UP (AS-BUILT) CONSTRUCTION PLANS AND ONE CAD FILE OF SUCH TO THE ENGINEER, COUNTY AND MAINTAINING AGENCY AS DEFINED IN FDOT STANDARDS AND BRIDGE SPECIFICATIONS SECTION 611, SEVEN (7) DAYS PRIOR TO SIGNAL CONDITIONAL ACCEPTANCE INSPECTION BY THE MAINTAINING AGENCY.

2. THE CONTRACTOR SHALL SUBMIT A SKETCH TO THE ENGINEER FOR APPROVAL, IF THE HORIZONTAL AND/OR VERTICAL PLACEMENT OF EQUIPMENT VARIES FROM THE DESIGNATED LOCATION OF THE PLAN.

3. CONTRACTOR SHALL PROVIDE CERTIFIED AS-BUILTS IN 36" X 24" SIZE AS WELL AS AUTOCAD FILES TO THE ENGINEER AND COUNTY.

| REVISIONS | | | | CALTRAN ENGINEERING GROUP, INC. 790 NW 107 AVENUE, SUITE 200 MIAMI, FLORIDA 33172 PHONE: (786) 456-7700 FAX: (786) 513-0711 ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE. P.E. LICENSE NO.:58569 | OWNER:  OCEAN REEF CLUB® ~~~~~ KEY LARGO, FLORIDA | GENERAL NOTES | SHEET NO. |
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| DATE | DESCRIPTION | DATE | DESCRIPTION | | | | |
| | | | | | | | |

PROPOSED SIGNS & DEVICES DETAIL

REGULATORY SIGNS



R4-1



R7-1



R2-1



SPEED
FEEDBACK
SIGNS

*SOLAR POWER REQUIRED
MAINTENANCE COORDINATION

WARNING SIGNS



W1-2A



W1-2



W1-8L
WITH LEDS
(SOLAR)



W14-3



W3-5



W8-6

OTHER SIGNS



D9-8

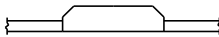


D10-4



DESTINATION
SIGNS

OTHER FEATURES



FDOT PAY ITEM
701-18-201 (YELLOW 6")
AUDIBLE / VIBRATORY
THERMOPLASTIC



FDOT PAY ITEM
706-1-10x (LED SOLAR)
SOLAR OR
REGULAR RPMs

| REVISIONS | | | | OWNER: | SHEET NO. |
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| DATE | DESCRIPTION | DATE | DESCRIPTION | | |
| | | | | | S-2 |
| CALTRAN ENGINEERING GROUP, INC. 790 NW 107 AVENUE, SUITE 200 MIAMI, FLORIDA 33172 PHONE: (786) 456-7700 FAX: (786) 513-0711 ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE. P.E. LICENSE NO.: 58569 | | | | SPECIAL DETAILS | |

TABULATION OF QUANTITIES

| PAY ITEM NO. | DESCRIPTION | UNIT | SHEET NUMBERS | | TOTAL THIS SHEET | | GRAND TOTAL | |
|--------------------|--|------|---------------|-------|------------------------|-------|----------------|-------|
| | | | PLAN | FINAL | PLAN | FINAL | PLAN | FINAL |
| | MIAMI-DADE COUNTY | | | | | | | |
| 101 1 | MOBILIZATION | LS | 1 | | 1 | | 1 | |
| 102 1A | MAINTENANCE OF TRAFFIC | LS | 1 | | 1 | | 1 | |
| 546 71 1 | RAISED RUMBLE STRIP SET- PERMANENT | EA | 8 | | 8 | | 8 | |
| 635 2 11 | PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE | EA | 8 | | 8 | | 8 | |
| 700 1 11B | SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF | AS | 5 | | 5 | | 5 | |
| 700 2 12 | MULTI-POST SIGN, F&I GROUND MOUNT, 12-20 SF | AS | 3 | | 3 | | 3 | |
| 700 14 2150 | ENHANCED HIGHWAY SIGN ASSEMBLY, SOLAR POWERED, F&I GROUND MOUNT, HIGHLIGHTED SIGN 12-20 SF | EA | 7 | | 7 | | 7 | |
| 700 14 2171 | ENHANCED HIGHWAY SIGN ASSEMBLY, SOLAR POWERED, F&I GROUND MOUNT, | | | | | | | |
| | W/EDS AND BEACON, UP TO 12 SF OF STATIC SIGN PANELS | EA | 6 | | 6 | | 6 | |
| | | | | | | | | |

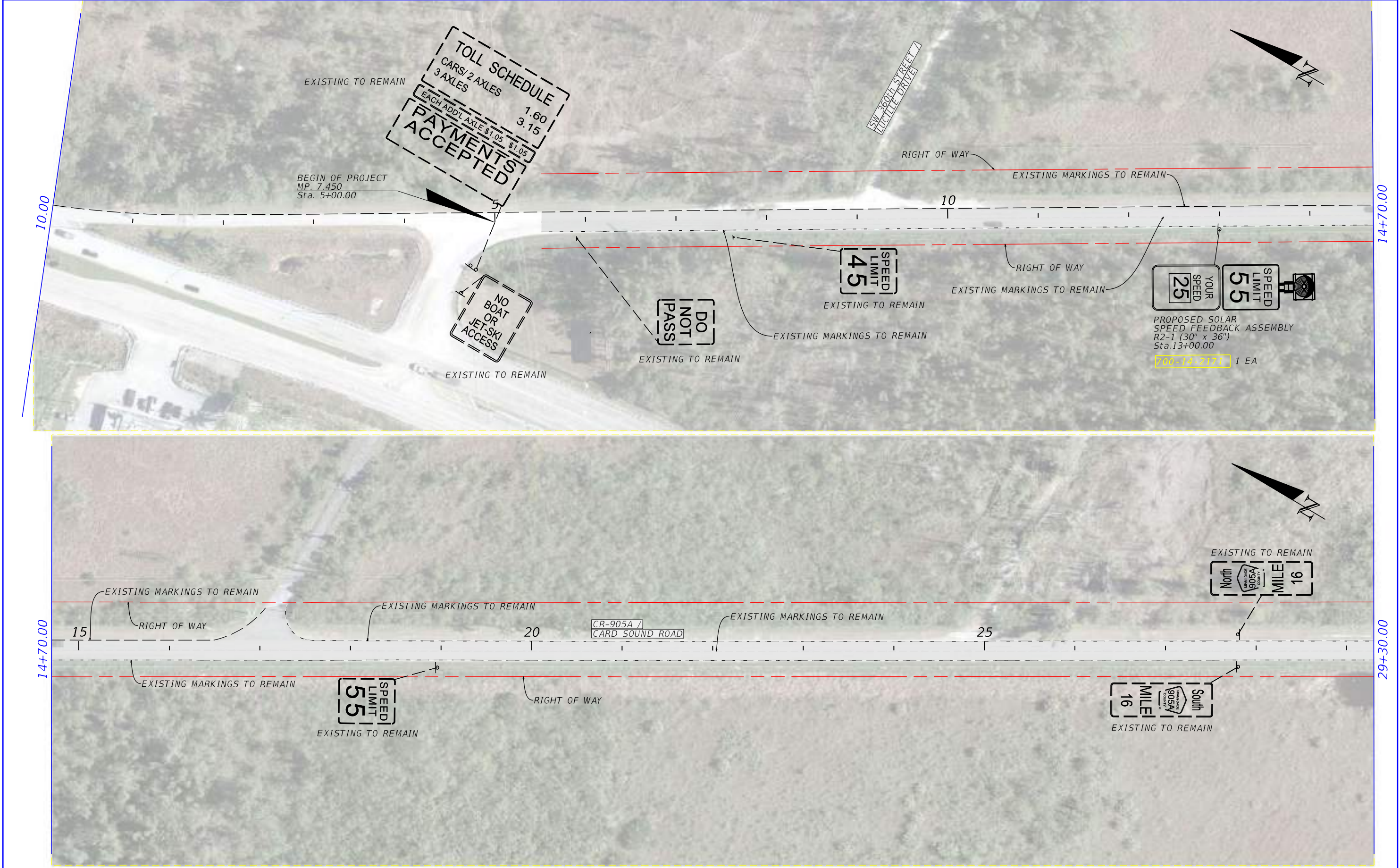
NOTES:



- * FOR PAY ITEM 700 14 2150, PLEASE REFER TO FDOT STANDARD PLANS INDEX 700-120.
- * FOR PAY ITEM 700 14 2171, PLEASE REFER TO FDOT STANDARD PLANS INDEX 700-120 SHEET NUMBER 8 FOR ROADSIDE SIGN ASSEMBLY 6.

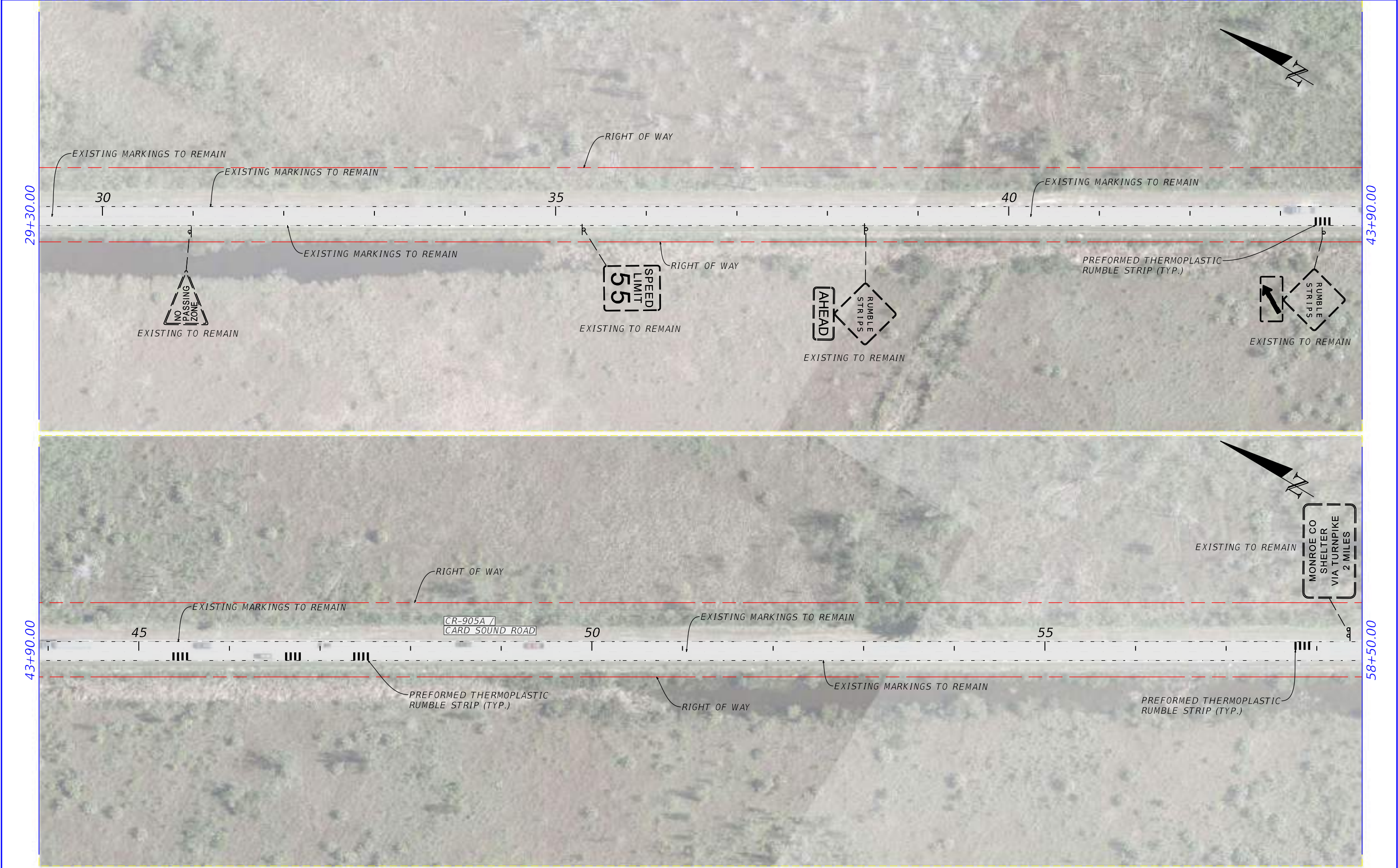
LOCATION OF SPEED FEEDBACK SIGNS


| DESCRIPTION | DIRECTION | SIDE | LOCATION (STA.) |
|-------------------|-----------|------|--------------------|
| Location Number 1 | SB | RT | 13+00.00 |
| Location Number 2 | NB | LT | 144+94.13 |
| Location Number 3 | SB | RT | 144+98.38 |
| Location Number 4 | NB | LT | 391+60.16 |
| Location Number 5 | SB | RT | 391+64.26 |
| Location Number 6 | NB | LT | 566+00.00 |

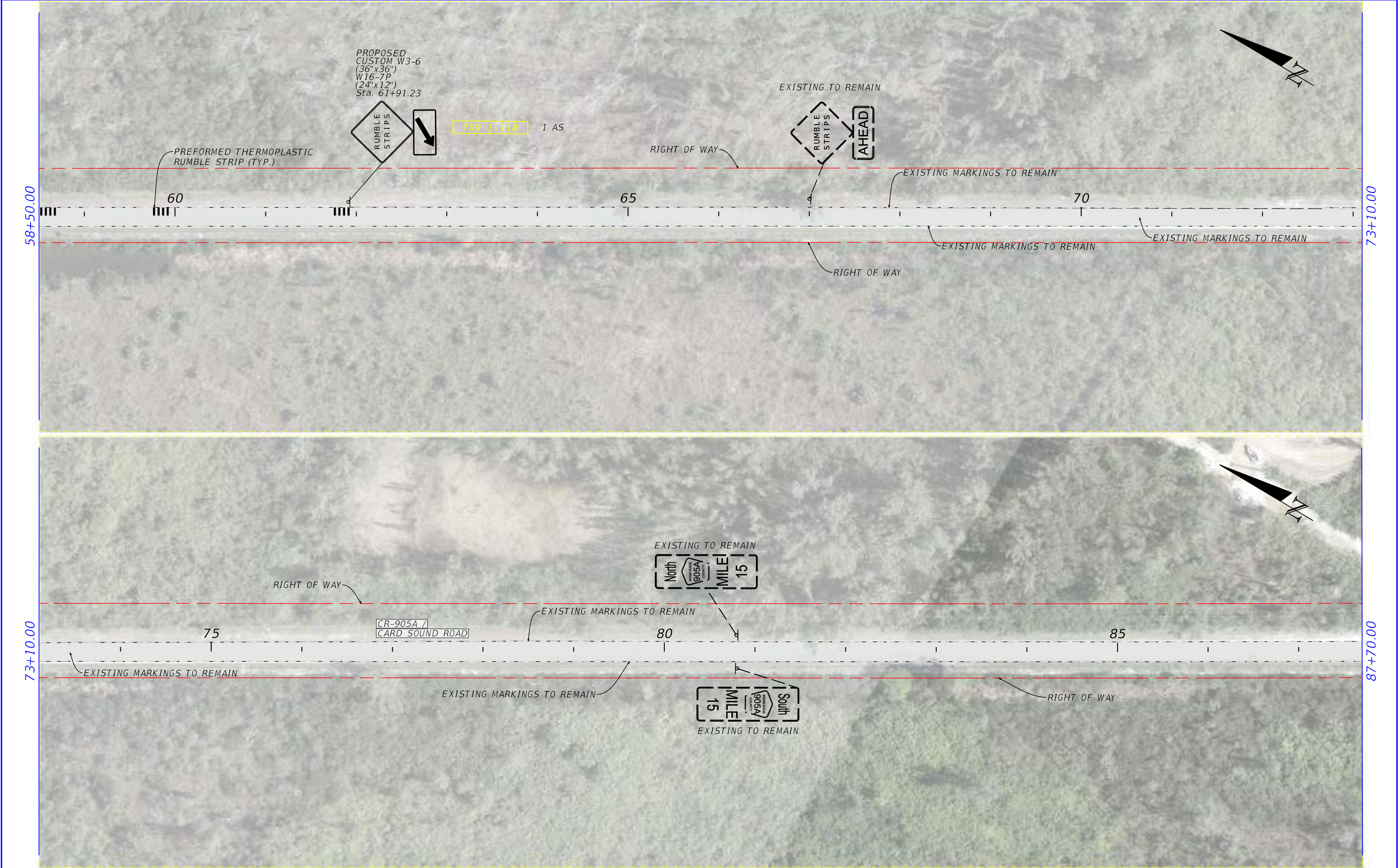
| REVISIONS | | | | OWNER: <div> OCEAN REEF CLUB® KEY LARGO, FLORIDA</div> | SIGNING & MARKING TABULATION OF QUANTITIES | SHEET NO. S-3 |
|-----------|-------------|------|-------------|---|---|-------------------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | | |
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| REVISIONS | | | | OWNER: <div> </div> | SHEET NO. |
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| DATE | DESCRIPTION | DATE | DESCRIPTION | | |
| | | | | <div><i>SIGNING AND PAVEMENT MARKING PLAN</i></div> | S-4 |
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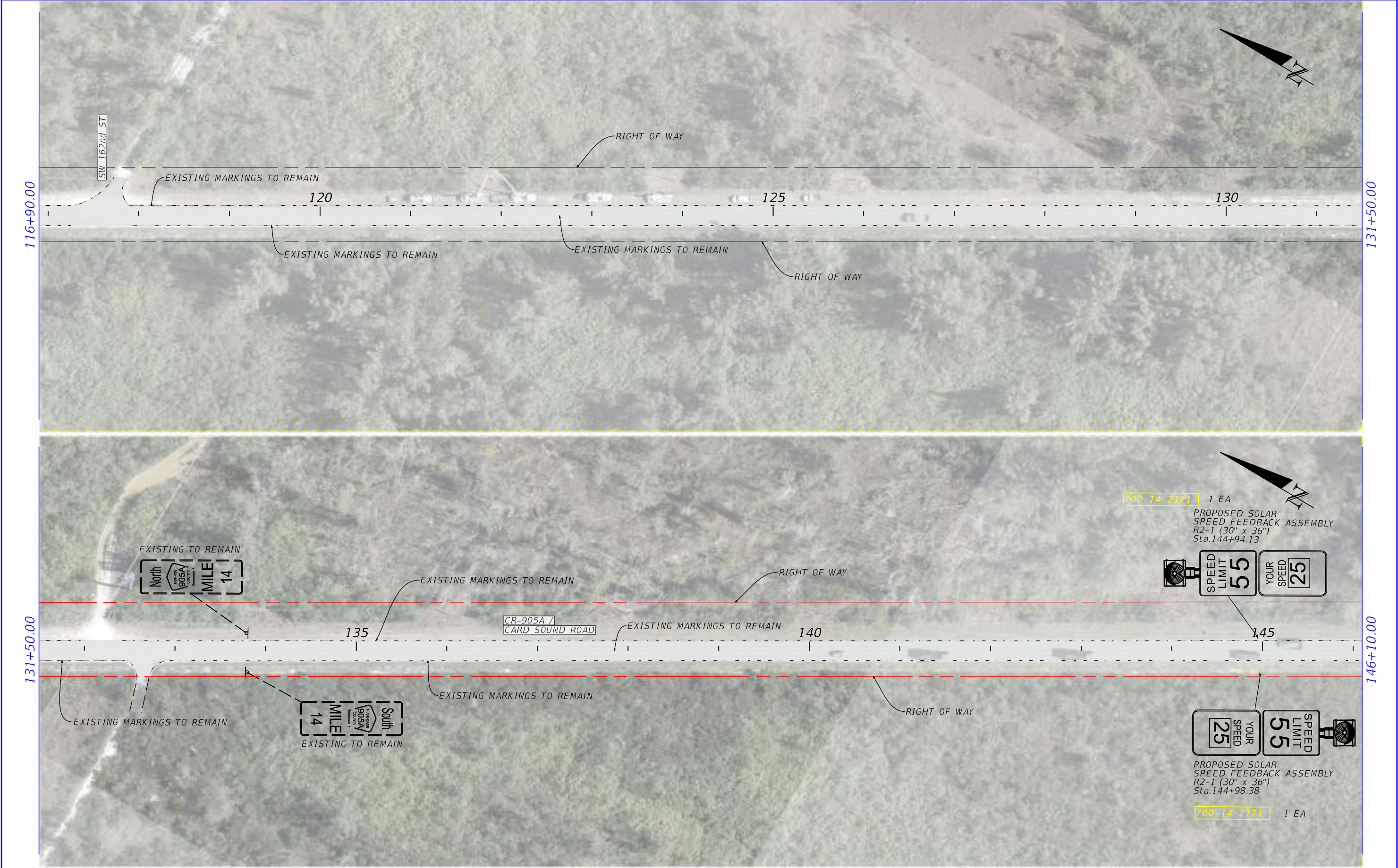
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| DATE | DESCRIPTION | DATE | DESCRIPTION | | | | | |
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|-----------|-------------|------|-------------|---|---|--------------------------------------|--|--------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | | | | S-6 |
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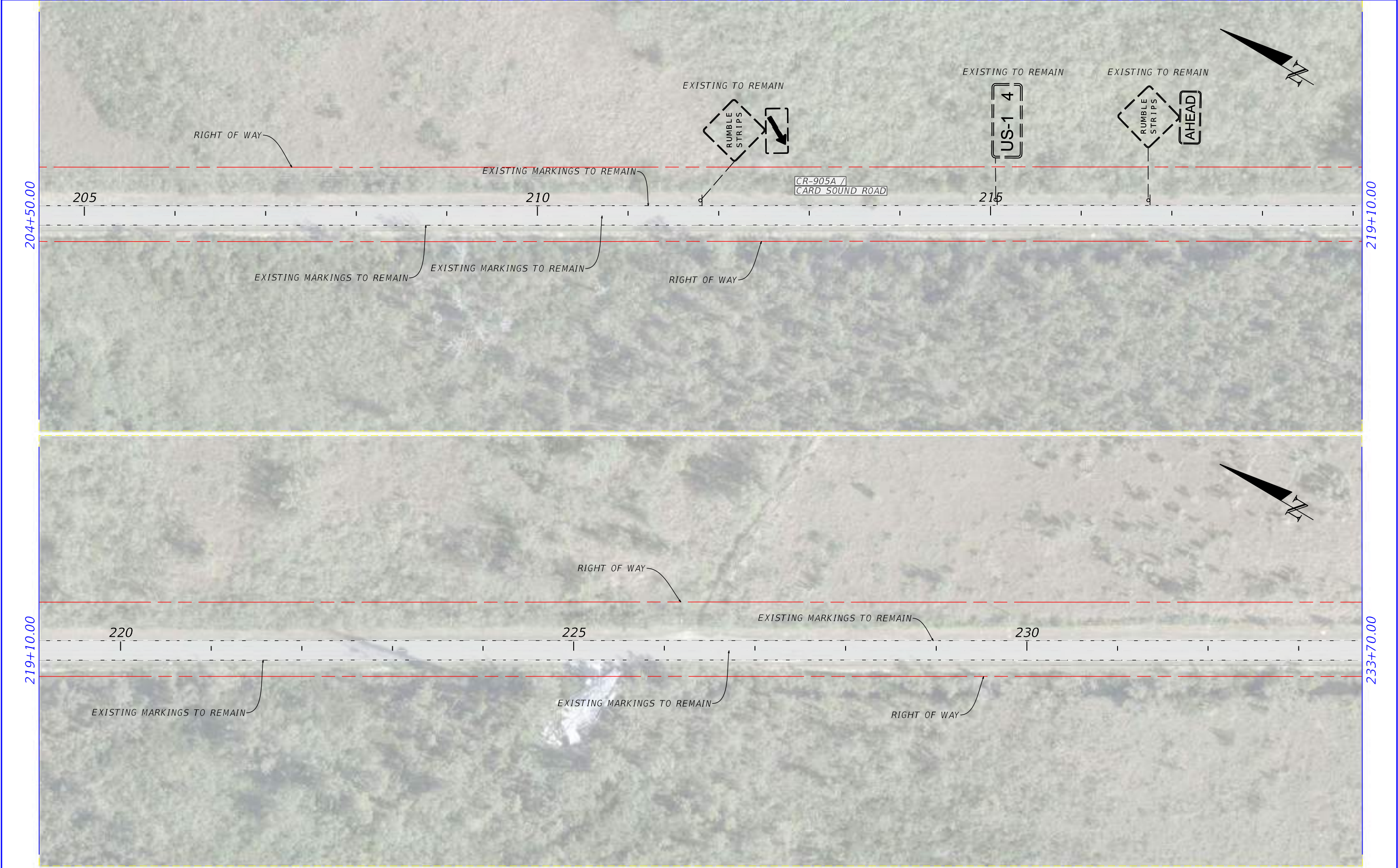
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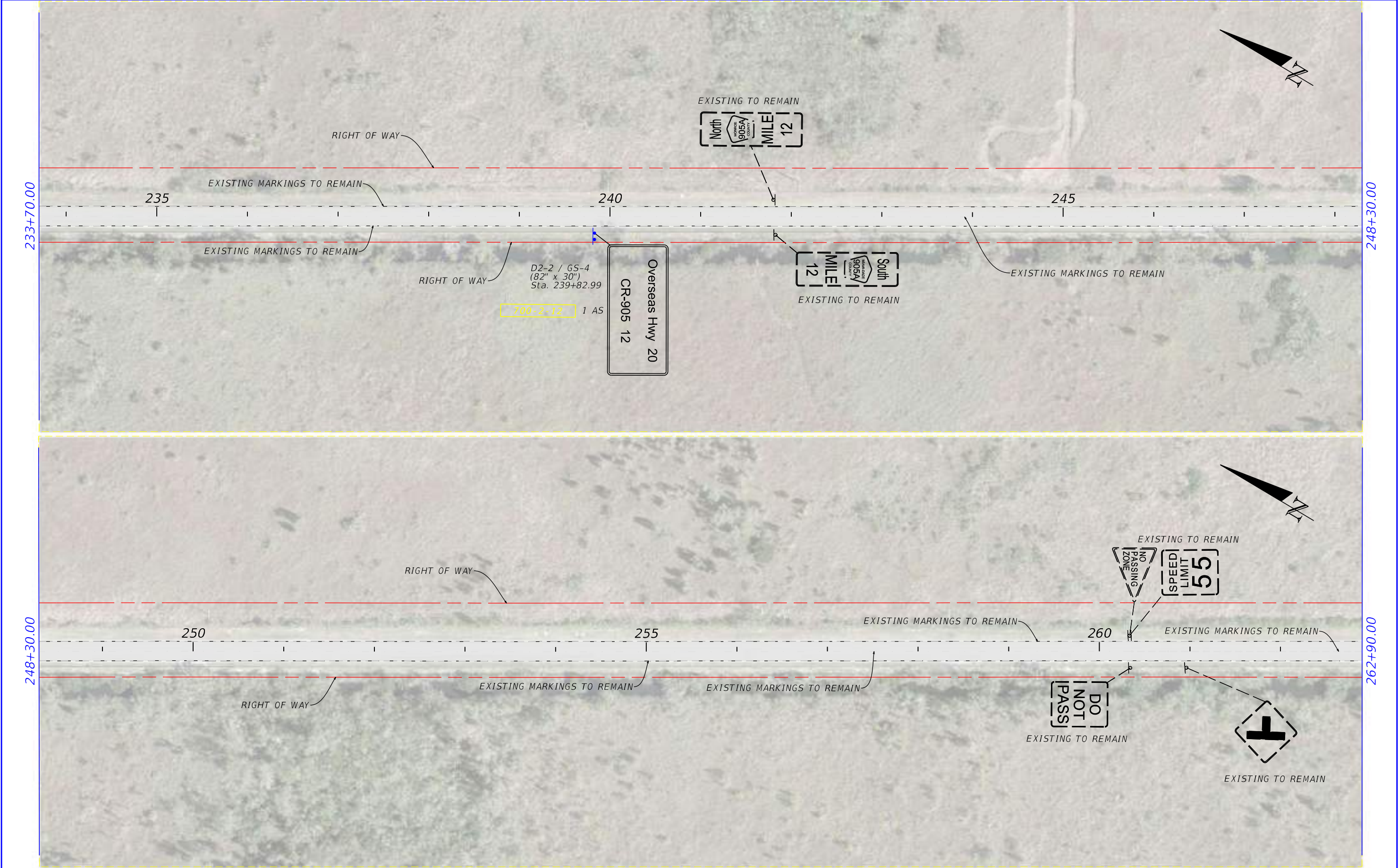
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| DATE | DESCRIPTION | DATE | DESCRIPTION | | | | | S-9 |
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| REVISIONS | | | | OWNER: <div> OCEAN REEF CLUB <small>1000 OCEAN REEF CLUB DRIVE MIAMI BEACH, FLORIDA 33139</small></div> | <i>SIGNING AND PAVEMENT MARKING PLAN</i> | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | | S-10 |
| | | | | <div>CALTRAN ENGINEERING GROUP, INC. 790 NW 107 AVENUE, SUITE 200 MIAMI, FLORIDA 33172 PHONE: (786) 456-7700 FAX: (786) 513-0711 ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE. P.E. LICENSE NO.:58569</div> | | |



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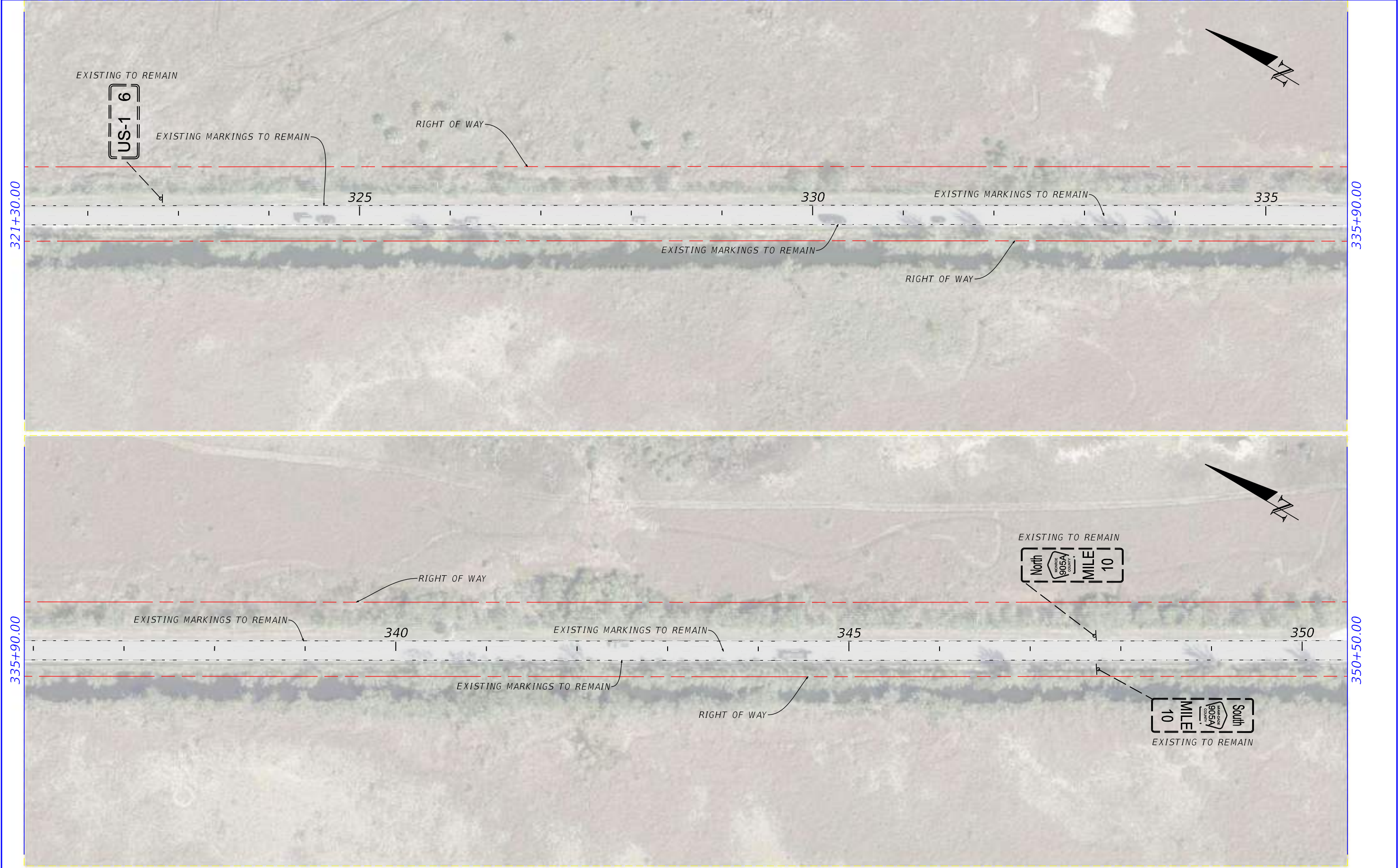
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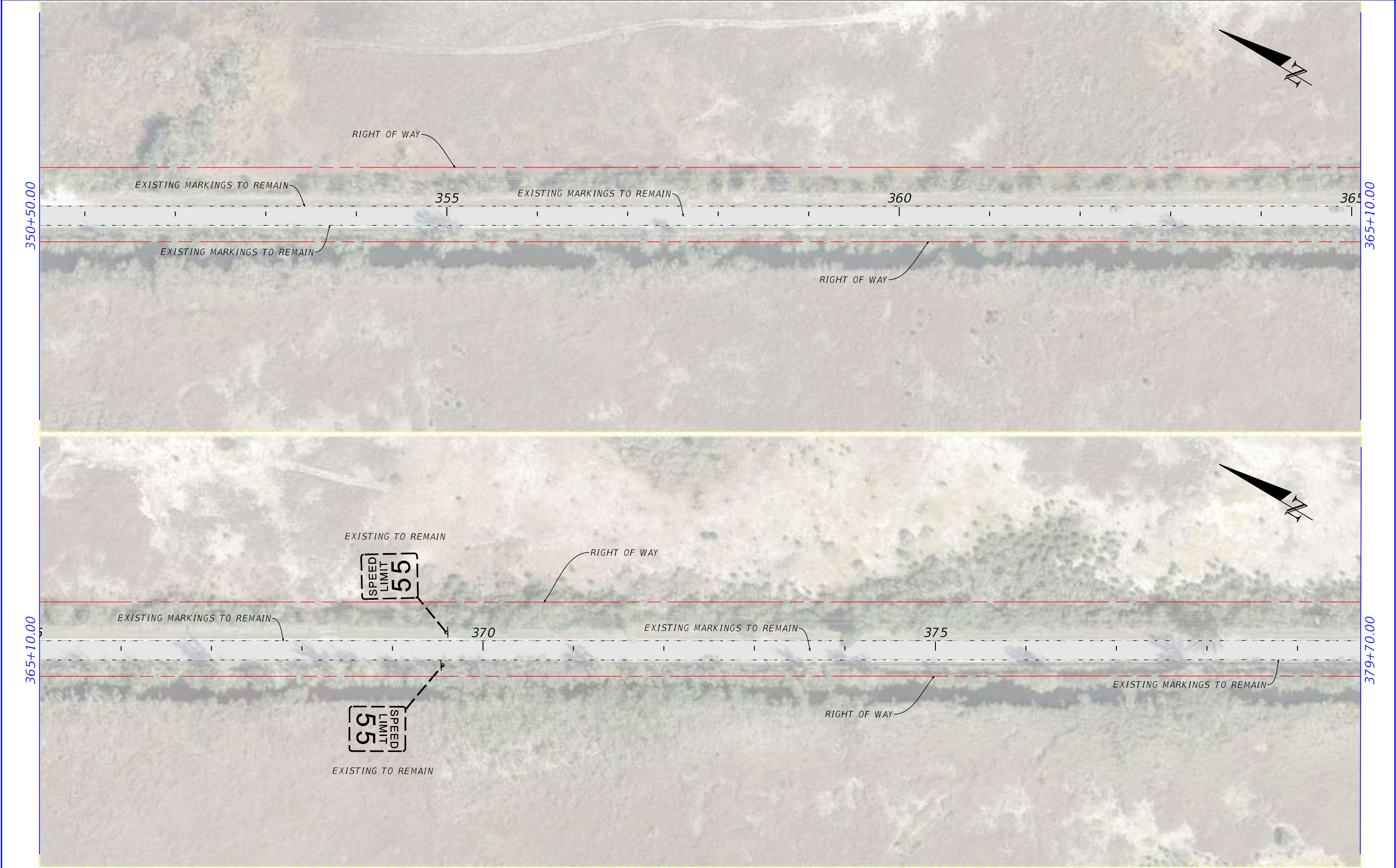
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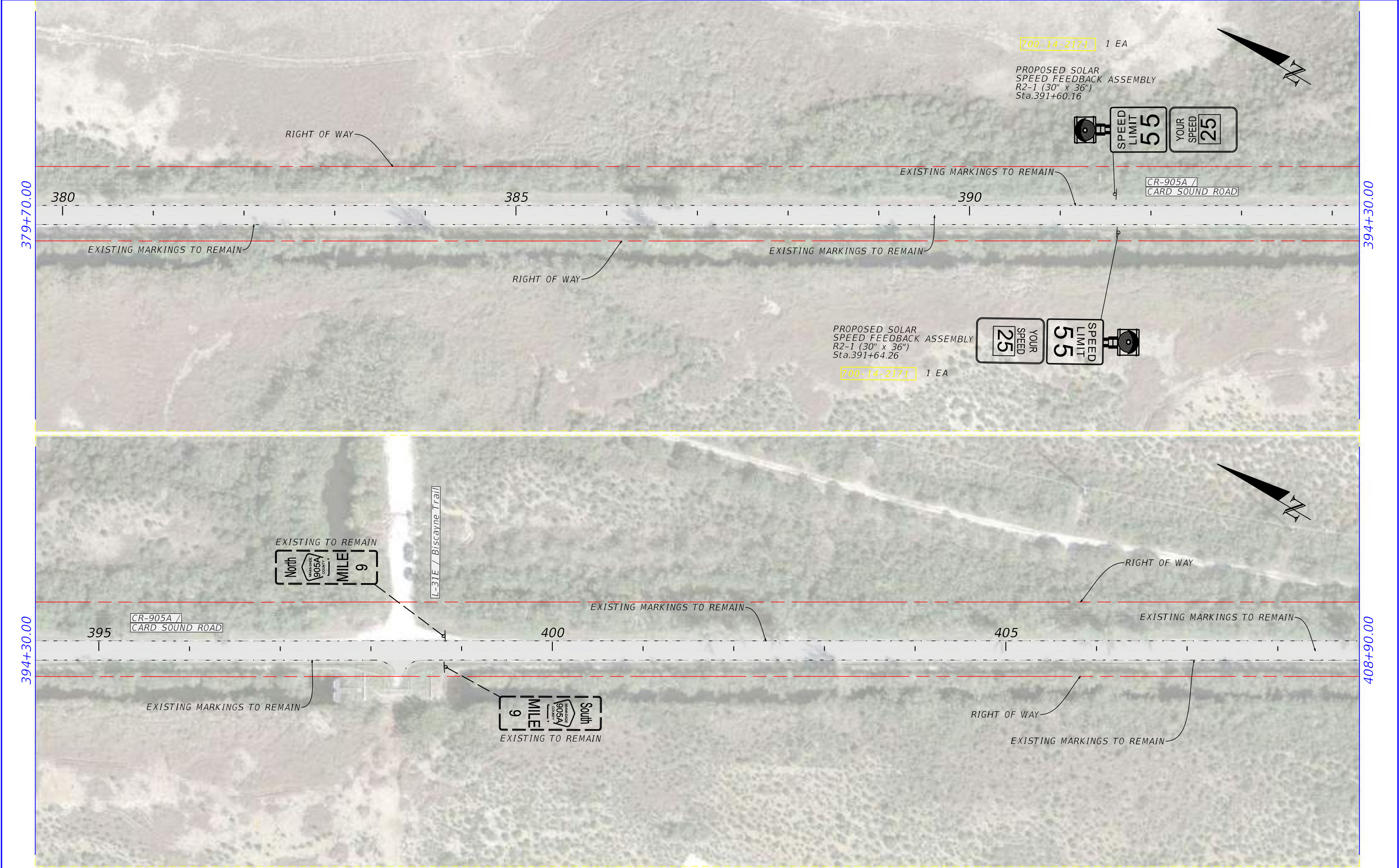
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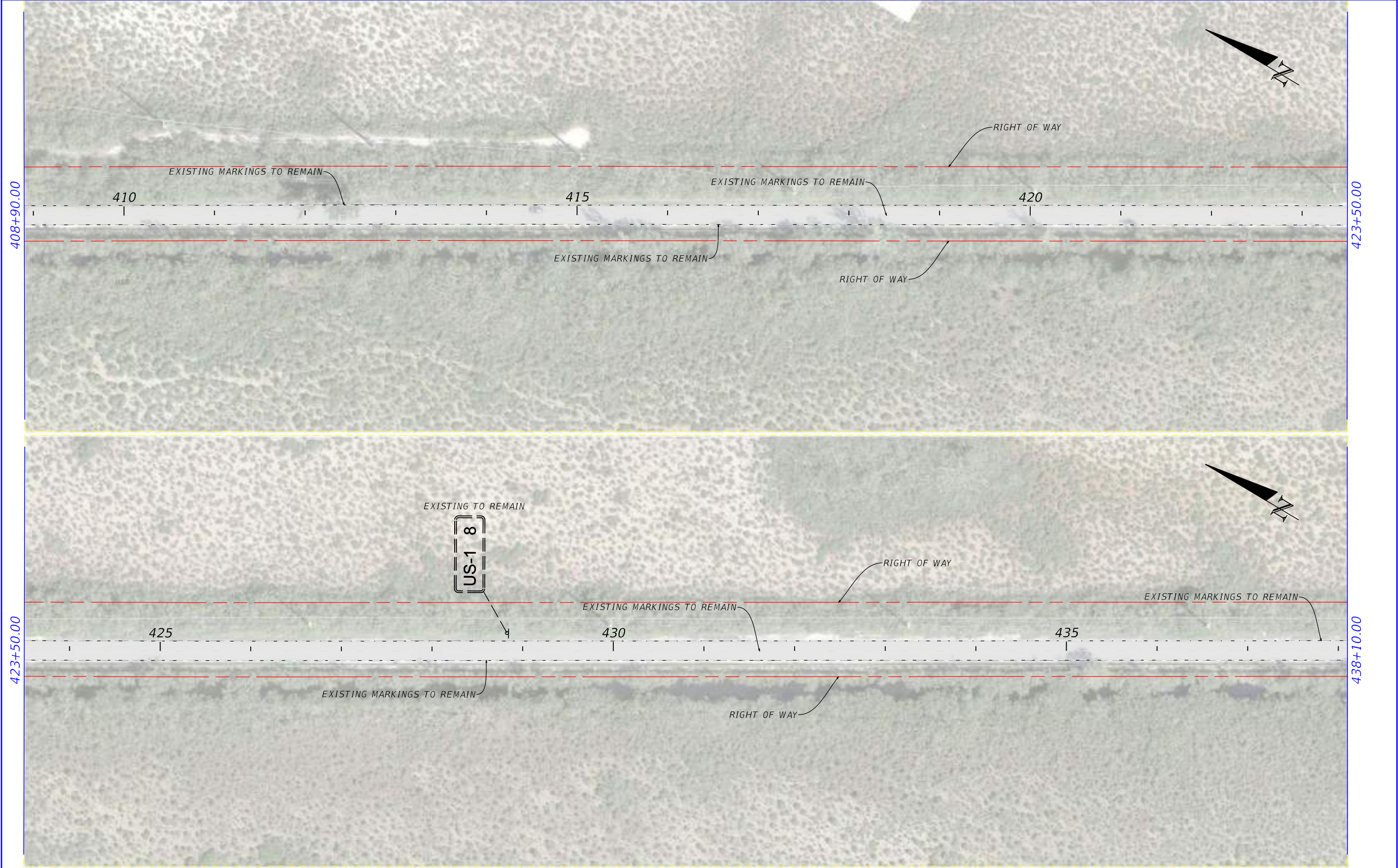
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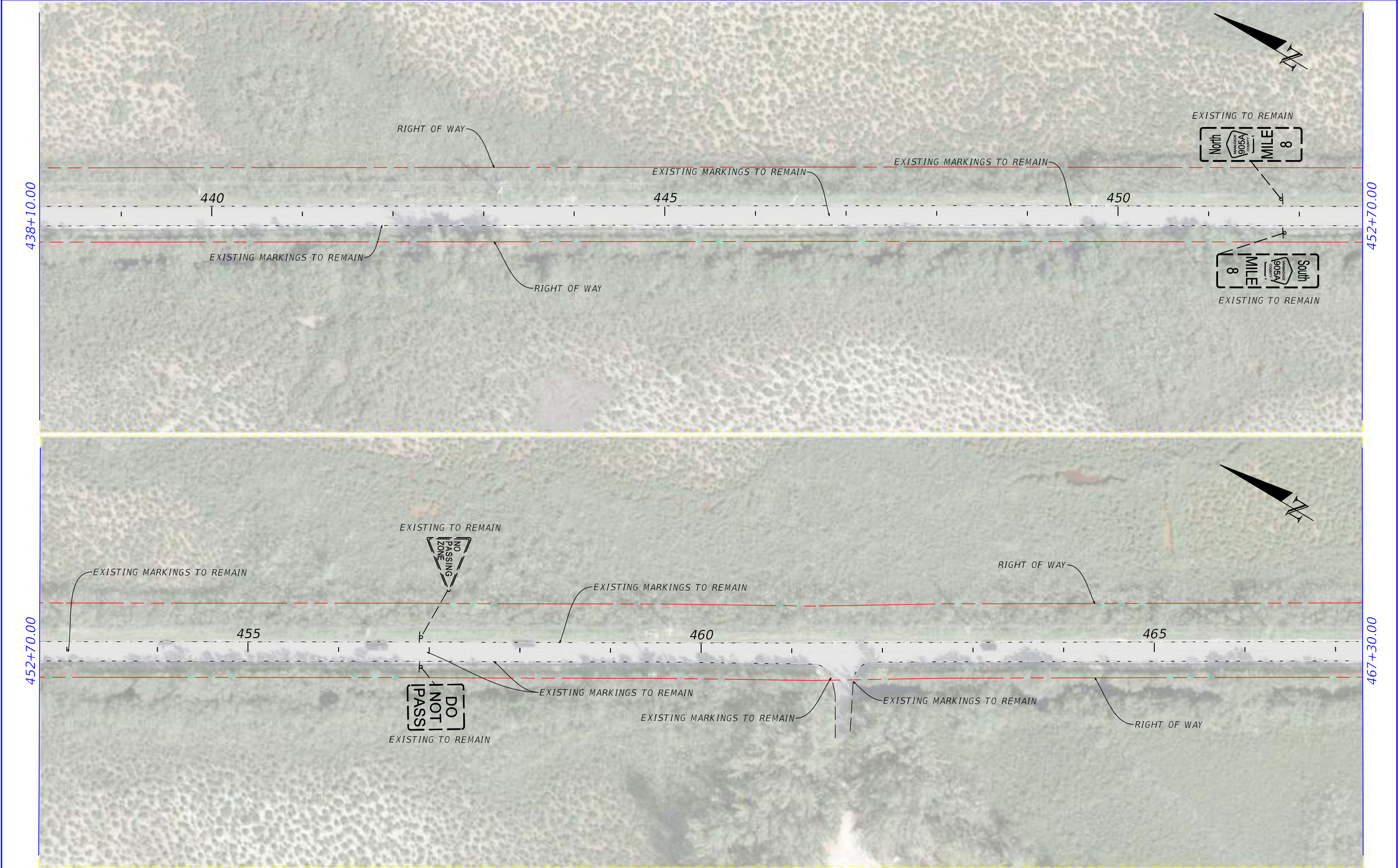
| REVISIONS | | | | CALTRAN ENGINEERING GROUP, INC. 790 NW 107 AVENUE, SUITE 200 MIAMI, FLORIDA 33172 PHONE: (786) 456-7700 FAX: (786) 513-0711 ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE. P.E. LICENSE NO.:58569 | OWNER:  | SIGNING AND PAVEMENT MARKING PLAN | | SHEET NO. |
|-----------|-------------|------|-------------|---|---|--------------------------------------|--|--------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | | | | S-16 |
| | | | | | | | | |



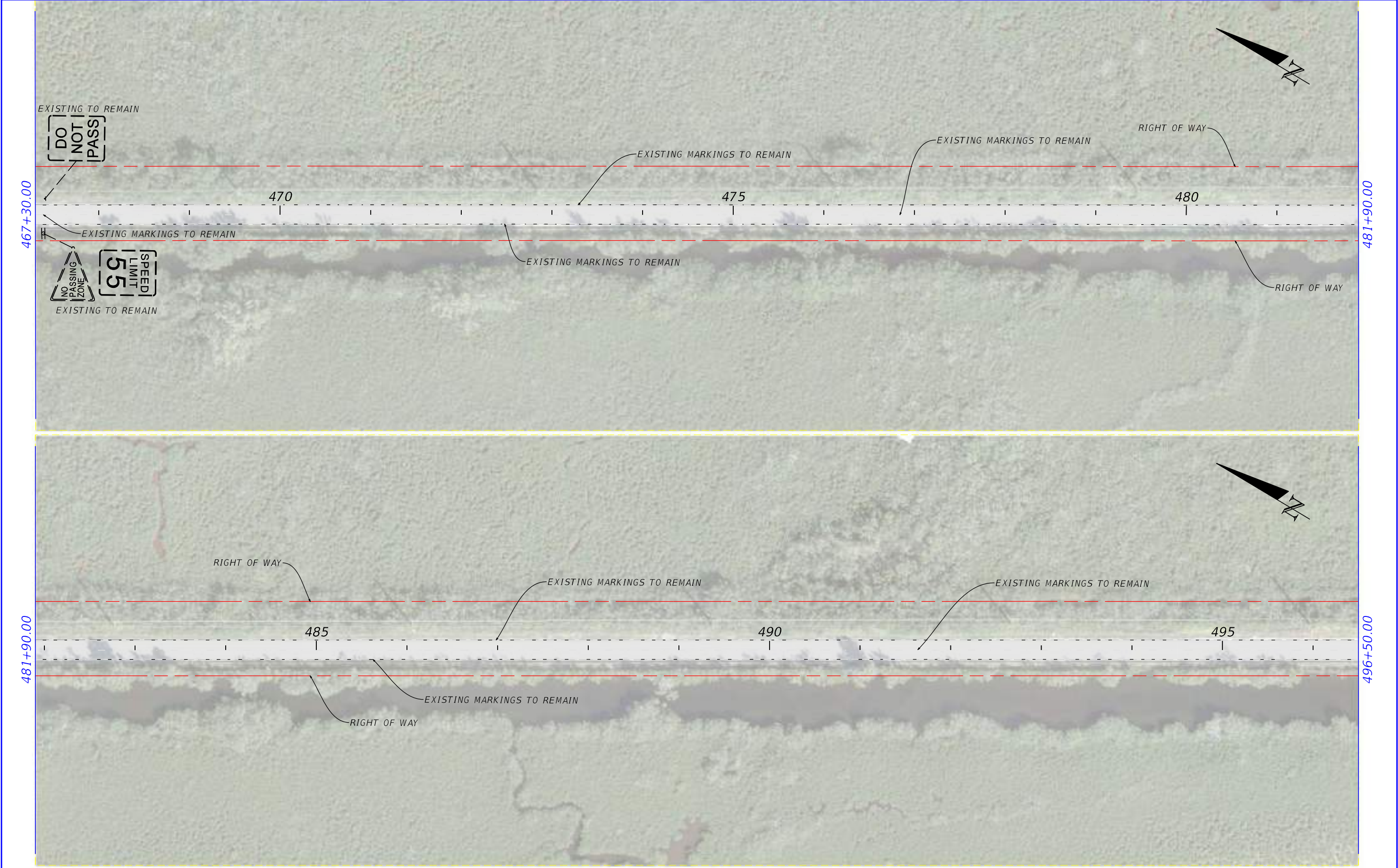
| REVISIONS | | | | CALTRAN ENGINEERING GROUP, INC. 790 NW 107 AVENUE, SUITE 200 MIAMI, FLORIDA 33172 PHONE: (786) 456-7700 FAX: (786) 513-0711 ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE. P.E. LICENSE NO.:58569 | OWNER:  | SIGNING AND PAVEMENT MARKING PLAN | SHEET NO. |
|-----------|-------------|------|-------------|---|---|--------------------------------------|--------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | | | S-17 |
| | | | | | | | |



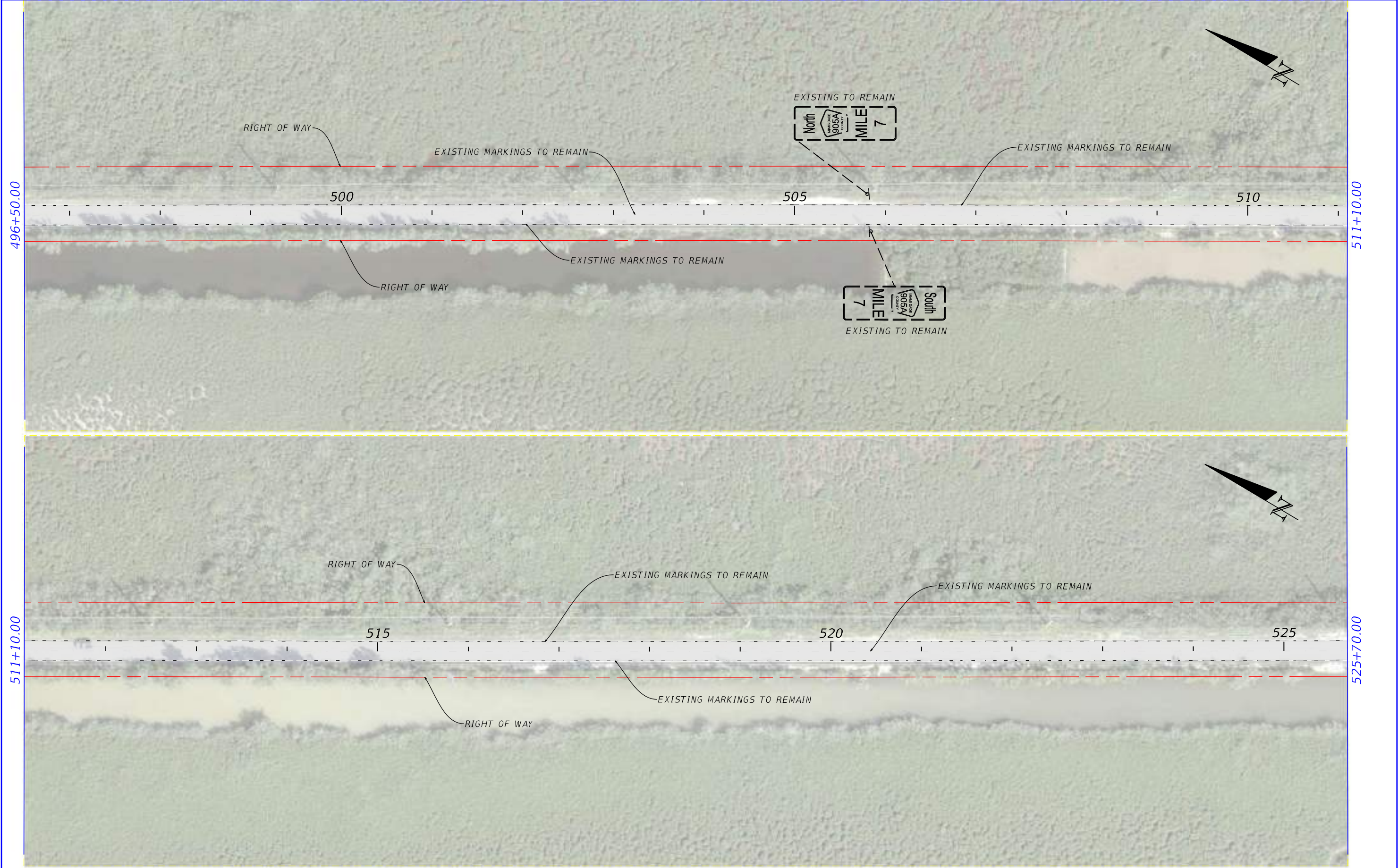
| REVISIONS | | | | <div>CALTRAN ENGINEERING GROUP, INC. 790 NW 107 AVENUE, SUITE 200 MIAMI, FLORIDA 33172 PHONE: (786) 456-7700 FAX: (786) 513-0711 ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE. P.E. LICENSE NO.:58569</div> | <div>OWNER:<div> OCEAN REEF CLUB <small>AN AFFILIATE OF TURNER</small></div></div> | <div>SIGNING AND PAVEMENT MARKING PLAN</div> | SHEET NO. |
|-----------|-------------|------|-------------|--|---|--|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | | | S-18 |
| | | | | | | | |




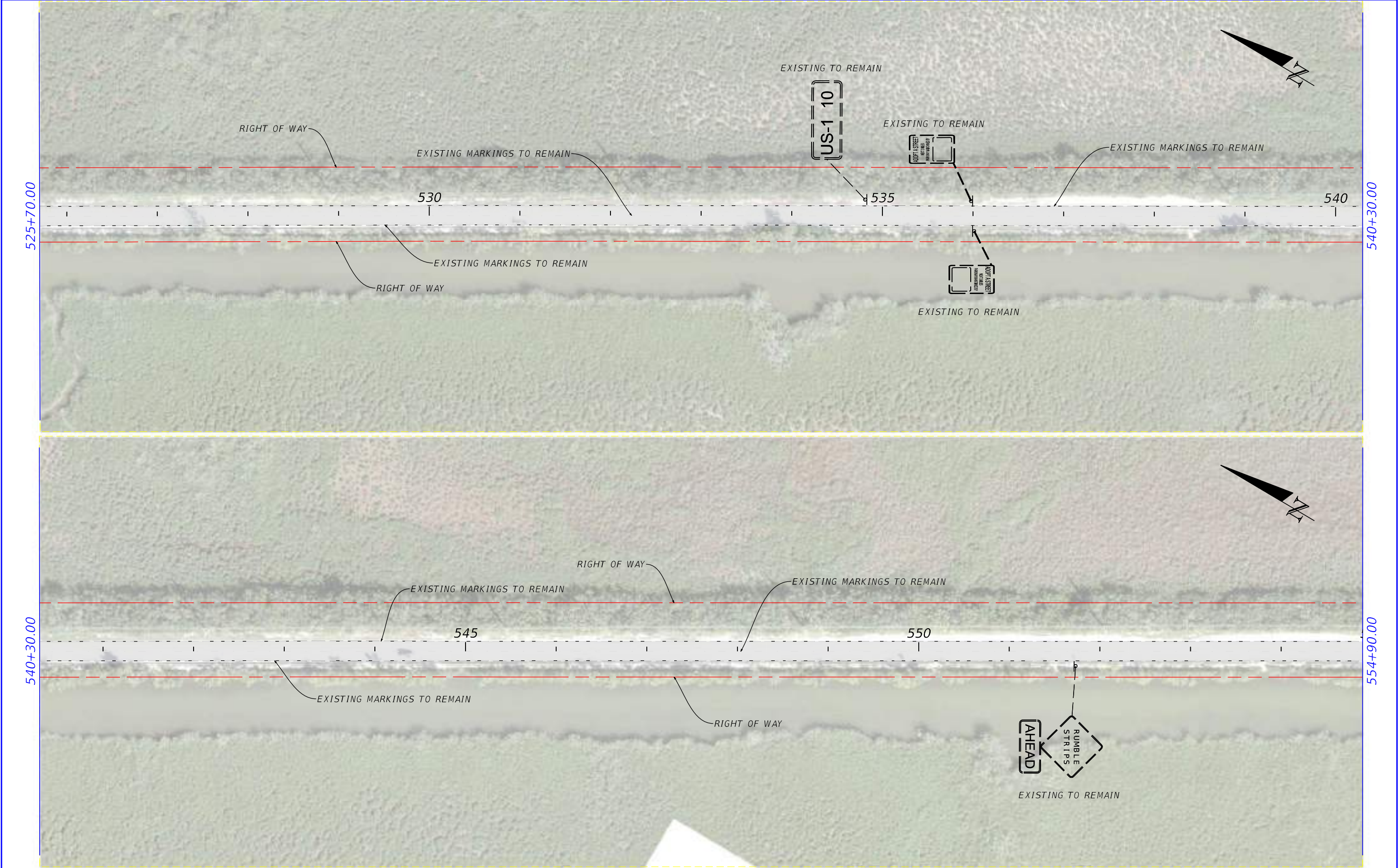
| REVISIONS | | | | CALTRAN ENGINEERING GROUP, INC. 790 NW 107 AVENUE, SUITE 200 MIAMI, FLORIDA 33172 PHONE: (786) 456-7700 FAX: (786) 513-0711 ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE. P.E. LICENSE NO.:58569 | OWNER: OCEAN REEF CLUB <small>OFFSHORE TOURISM</small> | SIGNING AND PAVEMENT MARKING PLAN | | SHEET NO. | |
|-----------|-------------|------|-------------|---|--|--------------------------------------|--|-----------|--|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | | | | S-19 | |
| | | | | | | | | | |




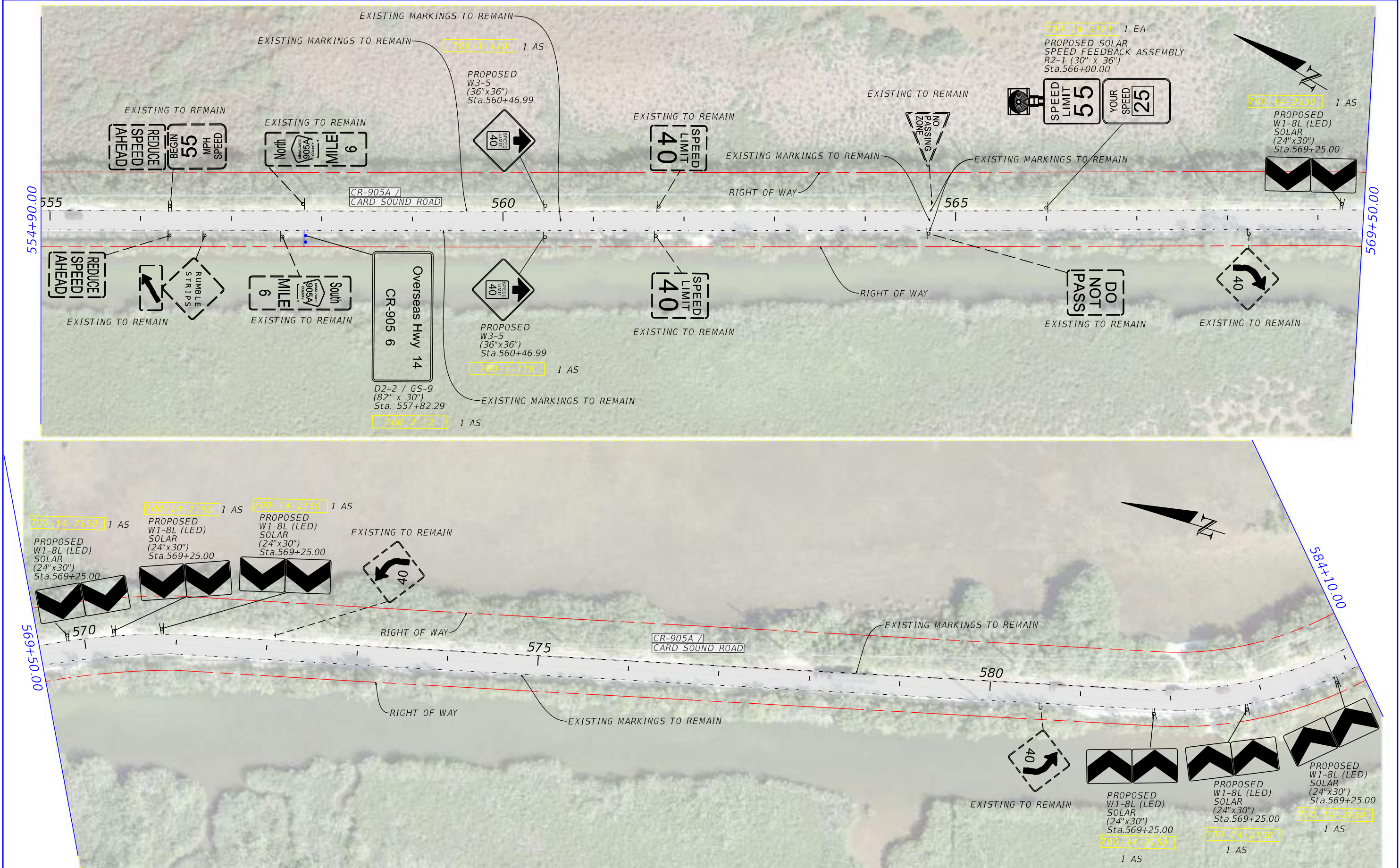
| REVISIONS | | | | CALTRAN ENGINEERING GROUP, INC. 790 NW 107 AVENUE, SUITE 200 MIAMI, FLORIDA 33172 PHONE: (786) 456-7700 FAX: (786) 513-0711 ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE. P.E. LICENSE NO.:58569 | OWNER: OCEAN REEF CLUB <small>OFFSHORE TOURISM</small> | SIGNING AND PAVEMENT MARKING PLAN | | SHEET NO. |
|-----------|-------------|------|-------------|---|--|--------------------------------------|--|--------------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | | | | |
| | | | | | | | | S-20 |




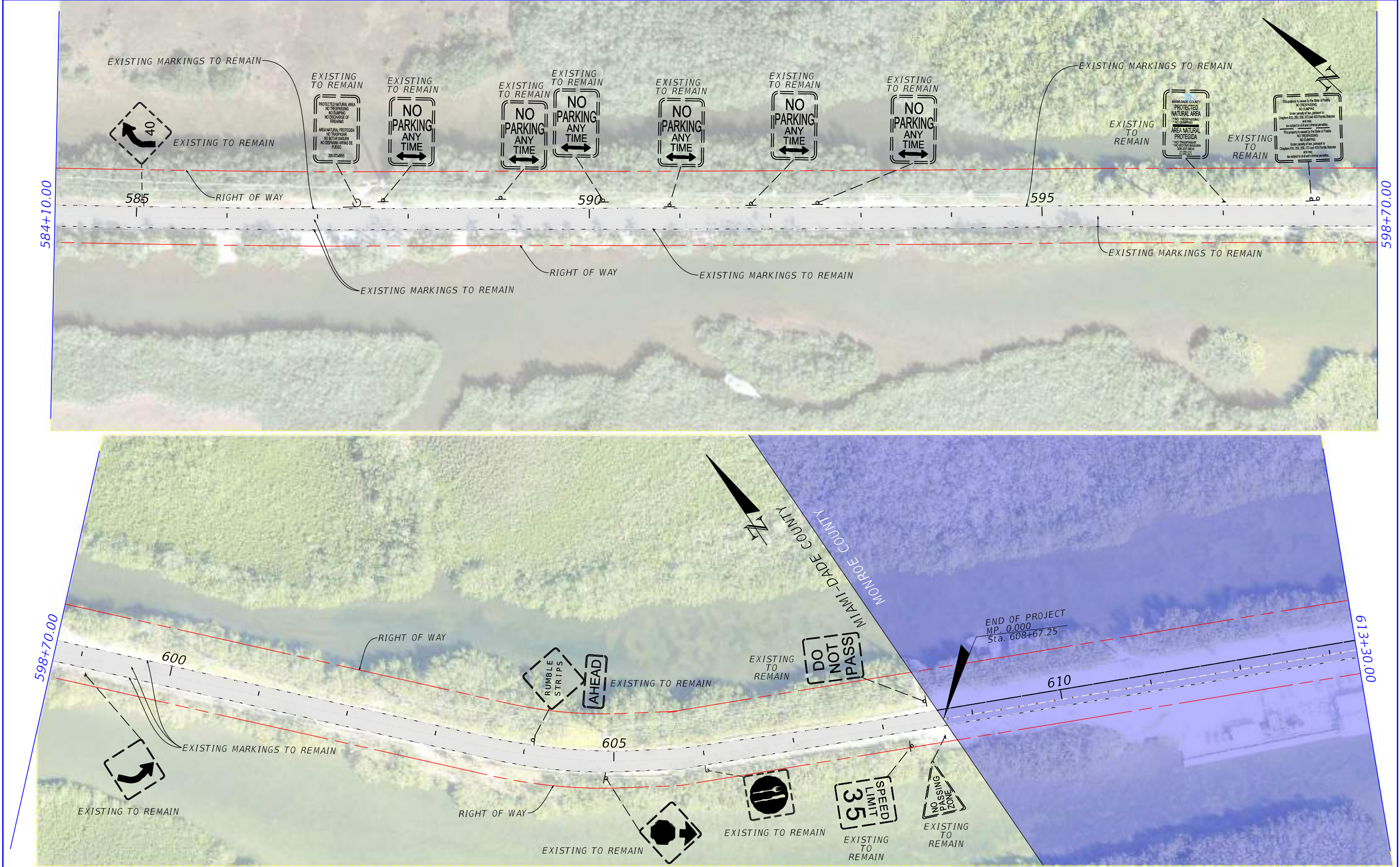
| REVISIONS | | | | <div>CALTRAN ENGINEERING GROUP, INC. 790 NW 107 AVENUE, SUITE 200 MIAMI, FLORIDA 33172 PHONE: (786) 456-7700 FAX: (786) 513-0711 ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE. P.E. LICENSE NO.:58569</div> | <div>OWNER:</div> <div></div> | <div>SIGNING AND PAVEMENT MARKING PLAN</div> | SHEET NO. |
|-----------|-------------|------|-------------|--|--|--|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | | | S-21 |
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| REVISIONS | | | | <div>CALTRAN ENGINEERING GROUP, INC. 790 NW 107 AVENUE, SUITE 200 MIAMI, FLORIDA 33172 PHONE: (786) 456-7700 FAX: (786) 513-0711 ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE. P.E. LICENSE NO.:58569</div> | <div>OWNER:<div></div><div>OCEAN REEF CLUB</div><div>RESORT & RESIDENCES</div></div> | <div>SIGNING AND PAVEMENT MARKING PLAN</div> | SHEET NO. |
|-----------|-------------|------|-------------|---|---|--|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | | | S-22 |
| | | | | | | | |



| REVISIONS | | | | OWNER: |  | <i>SIGNING AND PAVEMENT MARKING PLAN</i> | SHEET NO. |
|-----------|-------------|------|-------------|--|---|--|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | | | S-23 |
| | | | | <p>CALTRAN ENGINEERING GROUP, INC. 790 NW 107 AVENUE, SUITE 200 MIAMI, FLORIDA 33172</p> <p>PHONE: (786) 456-7700 FAX: (786) 513-0711 ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE. P.E. LICENSE NO.:58569</p> | | | |



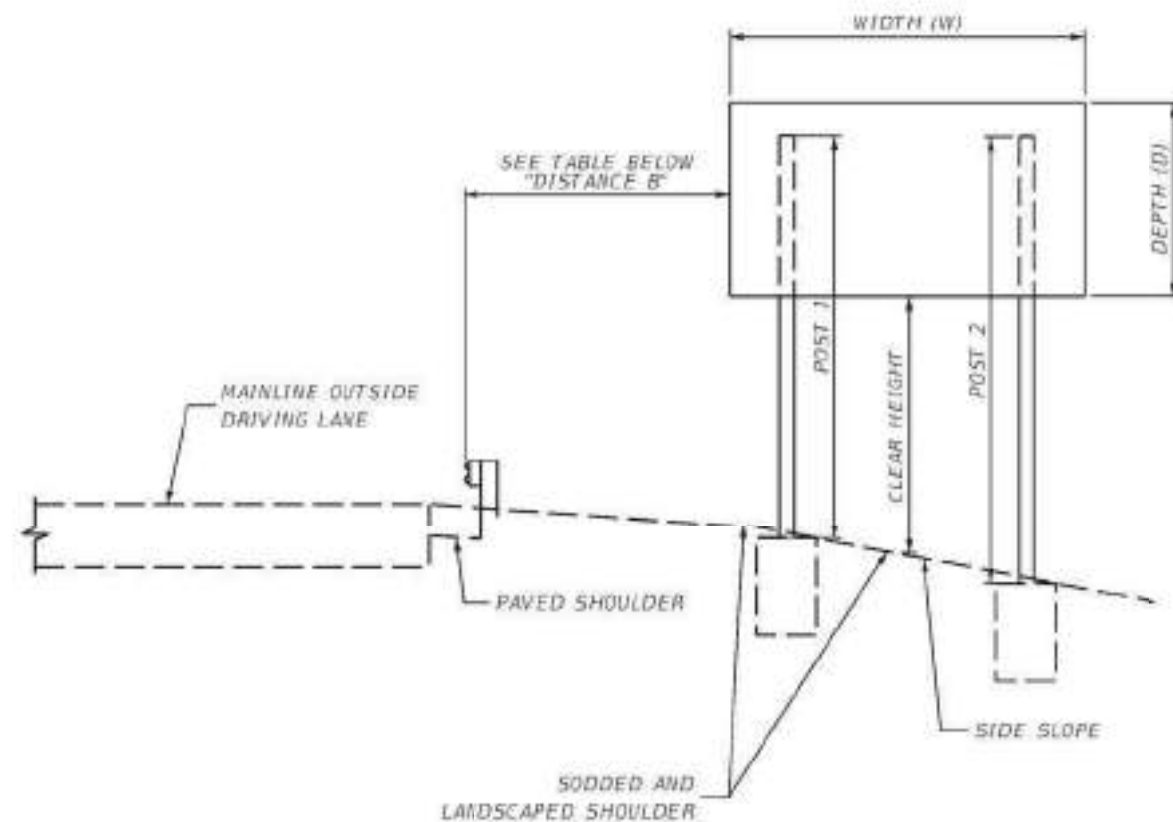
| REVISIONS | | | | OWNER: | SHEET NO. |
|-----------|-------------|------|-------------|--|-----------|
| DATE | DESCRIPTION | DATE | DESCRIPTION | | |
| | | | | OCEAN REEF CLUB 801 LAKEVIEW AVENUE MIAMI, FLORIDA 33136 | S-24 |
| | | | | | |

DESIGNER:
CALTRAN ENGINEERING GROUP, INC.
790 NW 107 AVENUE, SUITE 200
MIAMI, FLORIDA 33172
PHONE: (786) 456-7700 FAX: (786) 513-9711
ENGINEER OF RECORD: JUAN S. CALDERON, P.E., PTOE.
P.E. LICENSE NO.: 58569

8/6/2024

4:02:25 PM

Z:\e\Projects\Private Development\Ocean Reef - Card Sound Road\Phase I\Conceptual



TYPICAL SECTION FOR PLACEMENT OF MULTI-COLUMN SIGNS
N.T.S.

| SIGN NO. | DISTANCE B |
|----------|------------|
| | |

NOTES:

1. FOR ADDITIONAL DETAILS, NOTES AND INFORMATION SEE STANDARD INDEX NO. 700-020.
2. CLEAR HEIGHT IS THE DISTANCE BETWEEN THE BOTTOM OF THE MAIN SIGN PANEL AND THE GROUND AT THE CENTER OF THE MAIN SIGN PANEL.
3. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY THE LENGTH OF THE SIGN SUPPORTS IN THE FIELD PRIOR TO FABRICATION.
4. THE WIND SPEED USED TO DESIGN THE SIGN POST IS 110 MPH IN ACCORDANCE WITH STRUCTURES DESIGN GUIDELINES VOLUME 3 MODIFICATION TO LRFDLTS-1 SECTION 3.8.2. STEEL POST SHALL BE OF THE WIDEFLANGE TYPE SHALL HAVE A MINIMUM STRENGTH OF 36 KSI.
5. ANY EXISTING SOD OR LANDSCAPING DAMAGED AS A RESULT OF CONSTRUCTION SHALL BE RESTORED TO ITS ORIGINAL CONDITION.
6. CONTRACTOR SHALL FIELD VERIFY EXISTING SIDE SLOPES PRIOR TO FABRICATION AND INSTALLING THE NEW SIGN POSTS.
7. CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF EXISTING UTILITIES PRIOR TO SIGN RELOCATION.

MULTI-COLUMN SIGNS DATA

| SIGN NO. | SIGN NO. | SIDE SLOPE % | CLEAR HEIGHT (FT) | NO. OF POST | AVERAGE LENGTH OF POSTS (FT) | STEEL POSTS | LENGTH OF POST 1 (FT) | LENGTH OF POST 2 (FT) |
|----------|------------|--------------|-------------------|-------------|------------------------------|-------------|-----------------------|-----------------------|
| GS-1 | 102" X 72" | ** | 10 | 2 | 16.9 | W6 X 12 | 16.3 | 17.3 |
| GS-4 | 102" X 24" | ** | 10 | 2 | 12.9 | S3 X 5.7 | 12.3 | 13.3 |
| GS-5 | 102" X 24" | ** | 10 | 2 | 12.9 | S3 X 5.7 | 12.3 | 13.3 |
| GS-6 | 102" X 18" | ** | 10 | 2 | 12.9 | S3 X 5.7 | 12.3 | 13.3 |
| GS-7 | 66" X 18" | ** | 10 | 2 | 12.9 | S3 X 5.7 | 12.3 | 13.3 |
| GS-8 | 72" X 18" | ** | 10 | 2 | 12.9 | S3 X 5.7 | 12.3 | 13.3 |
| GS-9 | 102" X 24" | ** | 10 | 2 | 12.9 | S3 X 5.7 | 12.3 | 13.3 |

** SLOPE TO BE VERIFIED IN THE FIELD.