

EXHIBIT 4

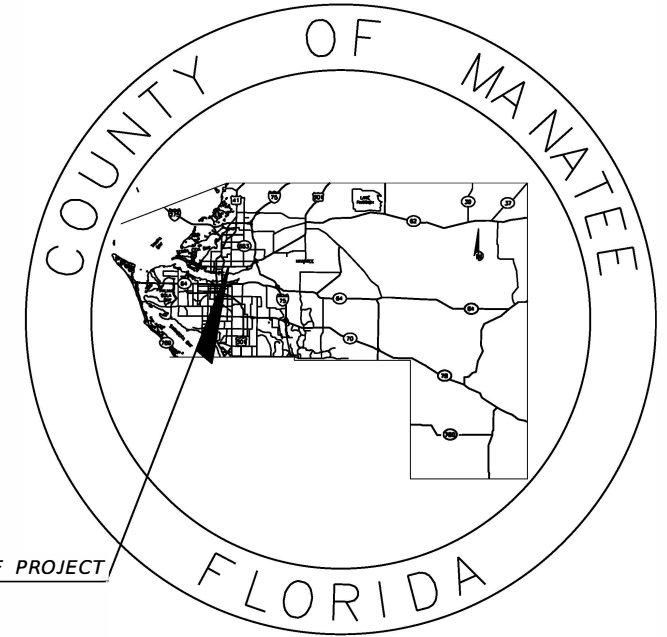
**MANATEE COUNTY
PUBLIC WORKS DEPARTMENT**

CONTRACT PLANS

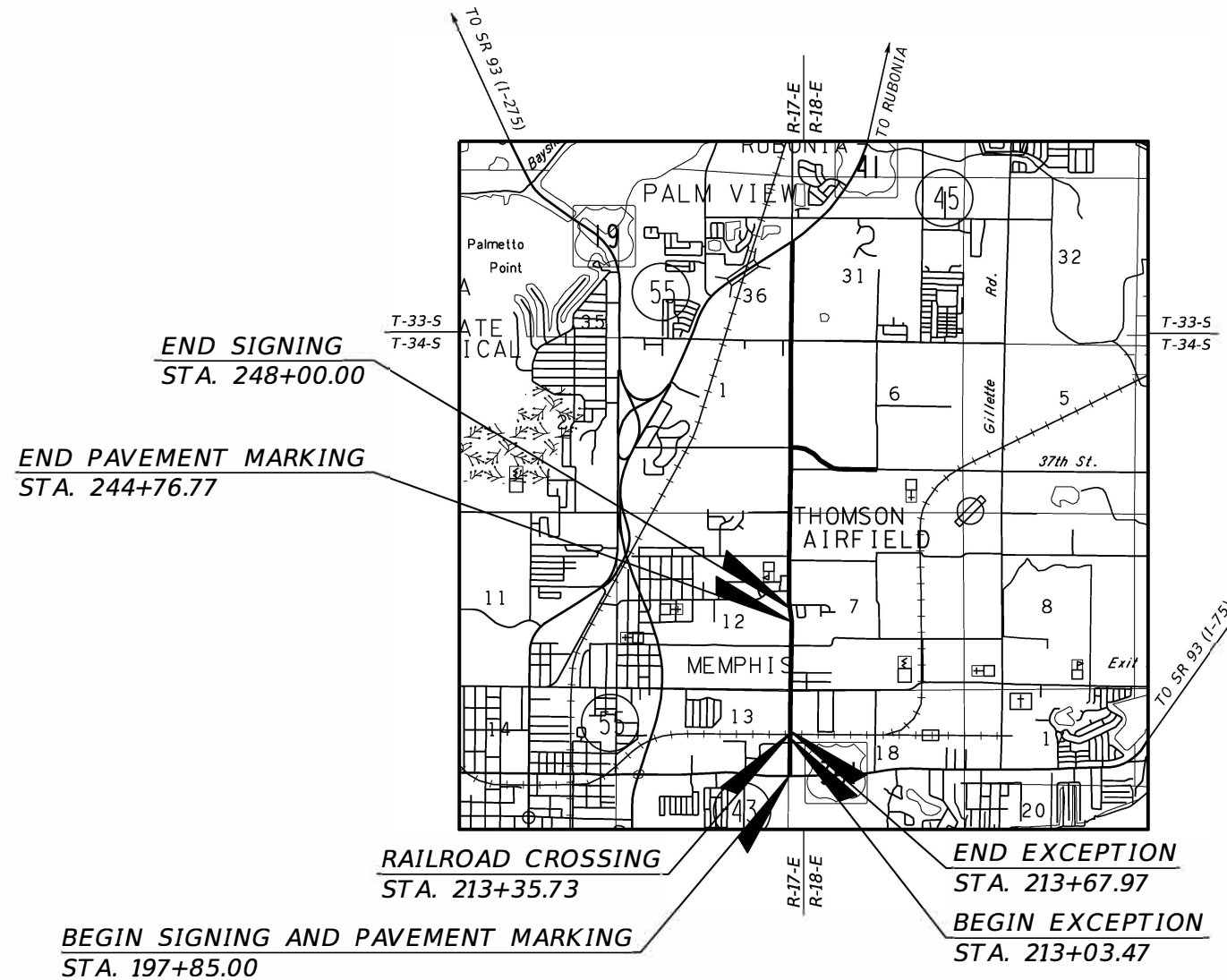
**MANATEE COUNTY
PROJECT NUMBER 6094360
CANAL ROAD (16TH AVENUE EAST)
SEGMENT 1 - US 301 TO 17TH STREET EAST
SIGNING AND PAVEMENT MARKING PLANS**

INDEX OF SIGNING AND PAVEMENT MARKING PLANS

| SHEET NO. | SHEET DESCRIPTION |
|------------|-----------------------------------|
| S-1 | KEY SHEET |
| S-2 | SIGNATURE SHEET |
| S-3 - S-4 | TABULATION OF QUANTITIES |
| S-5 | GENERAL NOTES |
| S-6 - S-13 | SIGNING AND PAVEMENT MARKING PLAN |
| S-14 | GUIDE SIGN WORKSHEET |



LOCATION OF PROJECT



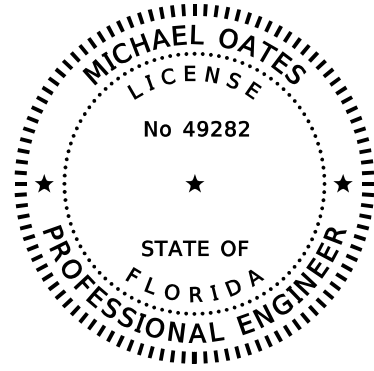
**SIGNING AND PAVEMENT MARKING PLANS
ENGINEER OF RECORD:**

MICHAEL J. OATES, P.E.
P.E. NO.: 49282
HDR ENGINEERING, INC.
2601 CATTLEMEN ROAD, SUITE 400
SARASOTA, FLORIDA 34232
VENDOR NO. 47-0680568

MANATEE CO. PROJECT MANAGER:
MICHAEL L. STURM, P.E.

| FISCAL YEAR | SHEET NO. |
|-------------|-----------|
| 21 | S-1 |

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



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
AND THE SIGNATURE MUST BE VERIFIED ON
ANY ELECTRONIC COPIES.

HDR ENGINEERING, INC.
2601 CATTLEMEN ROAD, SUITE 400
SARASOTA, FLORIDA 34232-6212
MICHAEL OATES, P.E. NO. 49282

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE
FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.



| SHEET NO. | SHEET DESCRIPTION |
|------------|-----------------------------------|
| S-1 | KEY SHEET |
| S-2 | SIGNATURE SHEET |
| S-3 - S-4 | TABULATION OF QUANTITIES |
| S-5 | GENERAL NOTES |
| S-6 - S-13 | SIGNING AND PAVEMENT MARKING PLAN |
| S-14 | GUIDE SIGN WORKSHEET |

| | | | | | | | | | | | | | | | | |
|-----|-----------|--|--|-------------|----------|------|--|--|-------------|---------|--|-----------------|------------------|------------------------|-----------|--|
| | | | | SCALE | AS NOTED | | |  HDR Engineering, Inc. 2601 Cattlemen Road Suite 400 Sarasota, FL 34232-6233 | DATE | 12/2021 |  MANATEE COUNTY PUBLIC WORKS | DESIGN ENGINEER | MICHAEL J. OATES | SIGNATURE SHEET | SHEET NO. | |
| | | | | DESIGNED BY | MO | | | | PROJECT NO. | 6094360 | | FL. LICENSE NO. | 49282 | | | |
| | | | | DRAWN BY | VG | | | | | | | | | | | |
| | | | | CHECKED BY | IR | | | | | | | | | | | |
| No. | REVISIONS | | | DATE | BY | PW:\ | | | | | | | | | | |

TABULATION OF QUANTITIES

| PAY ITEM NO. | DESCRIPTION | UNIT | SHEET NUMBERS | | | | | | | | | | | | TOTAL THIS SHEET | | GRAND TOTAL | | | |
|--------------|---|------|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------------|--|-------------|-------|------|-------|
| | | | S-6 | | S-7 | | S-8 | | S-9 | | S-10 | | S-11 | | S-12 | | PLAN | FINAL | PLAN | FINAL |
| | | | PLAN | FINAL | PLAN | FINAL | PLAN | FINAL | PLAN | FINAL | PLAN | FINAL | PLAN | FINAL | | | | | | |
| 700-1-11 | SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF | AS | 2 | | 3 | | 6 | | 1 | | 6 | | 8 | | 5 | | 31 | | | |
| 700-1-12 | SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF | AS | | | 2 | | | | | 1 | | 1 | | | | | 4 | | | |
| 700-1-50 | SINGLE POST SIGN, RELOCATE | AS | | | | | | | | | | 1 | | | | | 1 | | | |
| 700-1-74 | SINGLE POST SIGN, F&I CUSTOM, 31+ SF | AS | | | | | 2 | | | | | | | | 1 | | 3 | | | |
| 704-1-2 | TUBULAR MARKER, DURABLE, 36" YELLOW POST | EA | 3 | | 2 | | 1 | | 1 | | | | 1 | | | | 8 | | | |
| 705-10-1 | OBJECT MARKER, TYPE 1 | EA | 1 | | | | | | | | 2 | | 4 | | | | 7 | | | |
| 706-1-3 | RAISED PAVEMENT MARKER, TYPE B (WHITE/RED) | EA | 44 | | 39 | | 38 | | 48 | | 104 | | 10 | | 2 | | 285 | | | |
| | (YELLOW/YELLOW) | | 4 | | | | | | | 4 | | 76 | | 108 | | | 192 | | | |
| | (MONO-DIRECTIONAL YELLOW) | | 19 | | 91 | | 35 | | 55 | | 36 | | 60 | | | | 296 | | | |
| 710-11-290 | PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE | SF | 68 | | 38 | | 13 | | 25 | | 15 | | 24 | | | | 183 | | | |
| 710-90 | PAINTED PAVEMENT MARKINGS, FINAL SURFACE | LS | | | | | | | | | | | | | | | | | | |
| * | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6" | GM | 0.355 | | 0.226 | | 0.298 | | 0.319 | | 0.544 | | 0.225 | | 0.226 | | 2.194 | | | |
| * | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12" | LF | 353 | | 260 | | 587 | | | | 720 | | 352 | | 223 | | 2495 | | | |
| * | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24" | LF | 494 | | 50 | | 196 | | | | 751 | | 61 | | 38 | | 1590 | | | |
| * | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SKIP, 10-30 OR 3-9 SKIP, 6" WIDE | GM | 0.061 | | 0.220 | | 0.169 | | 0.256 | | 0.126 | | 0.064 | | | | 0.897 | | | |
| * | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 DOTTED EXT, 6" | GM | 0.075 | | 0.018 | | | | 0.034 | | 0.033 | | | | | | 0.160 | | | |
| * | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, MESSAGE OR SYMBOL ONLY | EA | 1 | | 1 | | | | | | | | | | | | 2 | | | |
| | MERGE | | | | | | | | | | 2 | | | | | | 2 | | | |
| | RAILROAD CROSSING | | | | | | 4 | | | | | | | | | | 4 | | | |
| * | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS | EA | | | | | | | | | | | | | | | | | | |
| | RIGHT | | 5 | | 4 | | | | 1 | | 5 | | 1 | | | | 16 | | | |
| | LEFT | | 5 | | 1 | | | | 1 | | 6 | | 1 | | 1 | | 15 | | | |
| | THRU | | 1 | | 1 | | | | | | | | | | | | 2 | | | |
| | THRU/LEFT | | | | 1 | | | | | | | | | | | | 1 | | | |
| | MERGE | | | | | | | | | | | | | | | | | | | |
| * | PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6" | GM | 0.159 | | 0.232 | | 0.237 | | 0.231 | | 0.217 | | 0.430 | | 0.442 | | 1.949 | | | |
| * | PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID FOR DIAGONAL OR CHEVRON, 18" | LF | 6 | | | | | | | | | | 477 | | 854 | | 1337 | | | |
| * | PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, 2-4 DOTTED GUIDELINE/6-10 DOTTED EXTENSION, 6" | GM | 0.042 | | 0.036 | | 0.002 | | 0.034 | | 0.066 | | 0.048 | | 0.042 | | 0.270 | | | |
| 711-11-123 | THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT | LF | 353 | | 260 | | 587 | | | | 720 | | 352 | | 223 | | 2495 | | | |
| 711-11-125 | THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE | LF | 494 | | 50 | | 196 | | | | 751 | | 61 | | 38 | | 1590 | | | |
| 711-11-141 | THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6" | GM | 0.075 | | 0.018 | | | | 0.034 | | 0.033 | | | | | | 0.160 | | | |
| 711-11-160 | THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL ONLY | EA | 1 | | 1 | | | | | | | | | | | | 2 | | | |
| | MERGE | | | | | | | | | | 2 | | | | | | 2 | | | |
| | RAILROAD CROSSING | | | | | | 4 | | | | | | | | | | 4 | | | |
| 711-11-170 | THERMOPLASTIC, STANDARD, WHITE, ARROW | EA | | | | | | | | | | | | | | | | | | |
| | RIGHT | | 5 | | 4 | | | | 1 | | 5 | | 1 | | | | 16 | | | |
| | LEFT | | 5 | | 1 | | | | 1 | | 6 | | 1 | | 1 | | 15 | | | |
| | THRU | | 1 | | 1 | | | | | | | | | | | | 2 | | | |
| | THRU/LEFT | | | | 1 | | | | | | | | | | | | 1 | | | |
| | MERGE | | | | | | | | | | 2 | | | | | | 2 | | | |
| 711-11-224 | THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON | LF | 6 | | | | | | | | | | 477 | | 854 | | 1337 | | | |
| 711-11-241 | THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDE LINE /6-10 DOTTED EXTENSION LINE, 6" | GM | 0.042 | | 0.036 | | 0.002 | | 0.034 | | 0.066 | | 0.048 | | 0.042 | | 0.270 | | | |
| 711-14-125 | THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK | LF | 494 | | 50 | | | | | | 751 | | 61 | | 38 | | 1394 | | | |
| 711-14-160 | THERMOPLASTIC, PREFORMED, WHITE, MESSAGE | EA | 1 | | 3 | | 2 | | 2 | | 6 | | 2 | | 1 | | 17 | | | |
| 711-14-170 | THERMOPLASTIC, PREFORMED, WHITE, ARROW | EA | 13 | | 3 | | 2 | | 2 | | 6 | | 2 | | 1 | | 29 | | | |
| 711-16-101 | THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6" | GM | 0.355 | | 0.226 | | 0.298 | | 0.319 | | 0.544 | | 0.225 | | 0.226 | | 2.194 | | | |
| 711-16-131 | THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SKIP, 6", 10-30 SKIP OR 3-9 LANE DROP | GM | 0.061 | | 0.220 | | 0.169 | | 0.256 | | 0.126 | | 0.064 | | | | 0.897 | | | |
| 711-16-201 | THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6" | GM | 0.159 | | 0.232 | | 0.237 | | 0.231 | | 0.217 | | 0.430 | | 0.442 | | 1.949 | | | |

* THESE QUANTITIES ARE PAID FOR UNDER PAINTED PAVEMENT MARKINGS (FINAL SURFACE), LUMP SUM ITEM NO. 710-90. THE QUANTITIES SHOWN ARE FOR ONE APPLICATION: SEE SPECIFICATION 710 FOR THE NUMBER OF APPLICATIONS REQUIRED.



| | | | | | | |
|----------------|--|--|-----------------------------|--|-------------------------------------|----------------------|
| SCALE AS NOTED | |  HDR Engineering, Inc. 2601 Cattlemen Road Suite 400 Sarasota, FL 34232-6233 | DATE 12/2021 |  MANATEE COUNTY PUBLIC WORKS | DESIGN ENGINEER MICHAEL J. OATES | SHEET NO. S-3 |
| DESIGNED BY MO | | | PROJECT NO. 6094360 | | FL. LICENSE NO. 49282 | |
| DRAWN BY VD | | | TABULATION OF QUANTITIES | | | |
| CHECKED BY IR | | | | | | |

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

TABULATION OF QUANTITIES

| PAY ITEM NO. | DESCRIPTION | UNIT | SHEET NUMBERS | | | | | | | | | | | | | | TOTAL THIS SHEET | | GRAND TOTAL | | |
|--------------|---|------|---------------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------------------|-------|-------------|-------|--|
| | | | S-13 | | PLAN | FINAL | PLAN | FINAL | PLAN | FINAL | PLAN | FINAL | PLAN | FINAL | PLAN | FINAL | PLAN | FINAL | PLAN | FINAL | |
| | | | PLAN | FINAL | | | | | | | | | | | | | | | | | |
| 700-1-11 | SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF | AS | 1 | | | | | | | | | | | | | | | 1 | | 32 | |
| 700-1-12 | SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF | AS | | | | | | | | | | | | | | | | | | 4 | |
| 700-1-50 | SINGLE POST SIGN, RELOCATE | AS | | | | | | | | | | | | | | | | | | 1 | |
| 700-1-74 | SINGLE POST SIGN, F&I CUSTOM, 31+ SF | AS | | | | | | | | | | | | | | | | | | 3 | |
| 704-1-2 | TUBULAR MARKER, DURABLE, 36" YELLOW POST | EA | | | | | | | | | | | | | | | | | | 8 | |
| 705-10-1 | OBJECT MARKER, TYPE 1 | EA | | | | | | | | | | | | | | | | | | 7 | |
| 706-1-3 | RAISED PAVEMENT MARKER, TYPE B (WHITE/RED) (YELLOW/YELLOW) (MONO-DIRECTIONAL YELLOW) | EA | | | | | | | | | | | | | | | | | | 773 | |
| 710-11-290 | PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE | SF | | | | | | | | | | | | | | | | | | 183 | |
| 710-90 | PAINTED PAVEMENT MARKINGS, FINAL SURFACE | LS | | | | | | | | | | | | | | | | | | 1 | |
| * | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6" | GM | | | | | | | | | | | | | | | | | | 2.194 | |
| * | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12" | LF | | | | | | | | | | | | | | | | | | 2495 | |
| * | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24" | LF | | | | | | | | | | | | | | | | | | 1590 | |
| * | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SKIP, 10-30 OR 3-9 SKIP, 6" WIDE | GM | | | | | | | | | | | | | | | | | | 0.897 | |
| * | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 DOTTED EXT, 6" | GM | | | | | | | | | | | | | | | | | | 0.160 | |
| * | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, MESSAGE OR SYMBOL ONLY MERGE RAILROAD CROSSING | EA | | | | | | | | | | | | | | | | | | 8 | |
| * | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS RIGHT LEFT THRU THRU/LEFT MERGE | EA | | | | | | | | | | | | | | | | | | 34 | |
| * | PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6" | GM | | | | | | | | | | | | | | | | | | 1.949 | |
| * | PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID FOR DIAGONAL OR CHEVRON, 18" | LF | | | | | | | | | | | | | | | | | | 1337 | |
| * | PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, 2-4 DOTTED GUIDELINE/6-10 DOTTED EXTENSION, 6" | GM | | | | | | | | | | | | | | | | | | 0.270 | |
| 711-11-123 | THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT | LF | | | | | | | | | | | | | | | | | | 2495 | |
| 711-11-125 | THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE | LF | | | | | | | | | | | | | | | | | | 1590 | |
| 711-11-141 | THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6" | GM | | | | | | | | | | | | | | | | | | 0.160 | |
| 711-11-160 | THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL ONLY MERGE RAILROAD CROSSING | EA | | | | | | | | | | | | | | | | | | 8 | |
| 711-11-170 | THERMOPLASTIC, STANDARD, WHITE, ARROW RIGHT LEFT THRU THRU/LEFT MERGE | EA | | | | | | | | | | | | | | | | | | 36 | |
| 711-11-224 | THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON | LF | | | | | | | | | | | | | | | | | | 1337 | |
| 711-11-241 | THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDE LINE /6-10 DOTTED EXTENSION LINE, 6" | GM | | | | | | | | | | | | | | | | | | 0.270 | |
| 711-14-125 | THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK | LF | | | | | | | | | | | | | | | | | | 1394 | |
| 711-14-160 | THERMOPLASTIC, PREFORMED, WHITE, MESSAGE | EA | | | | | | | | | | | | | | | | | | 17 | |
| 711-14-170 | THERMOPLASTIC, PREFORMED, WHITE, ARROW | EA | | | | | | | | | | | | | | | | | | 29 | |
| 711-16-101 | THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6" | GM | | | | | | | | | | | | | | | | | | 2.194 | |
| 711-16-131 | THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SKIP, 6", 10-30 SKIP OR 3-9 LANE DROP | GM | | | | | | | | | | | | | | | | | | 0.897 | |
| 711-16-201 | THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6" | GM | | | | | | | | | | | | | | | | | | 1.949 | |

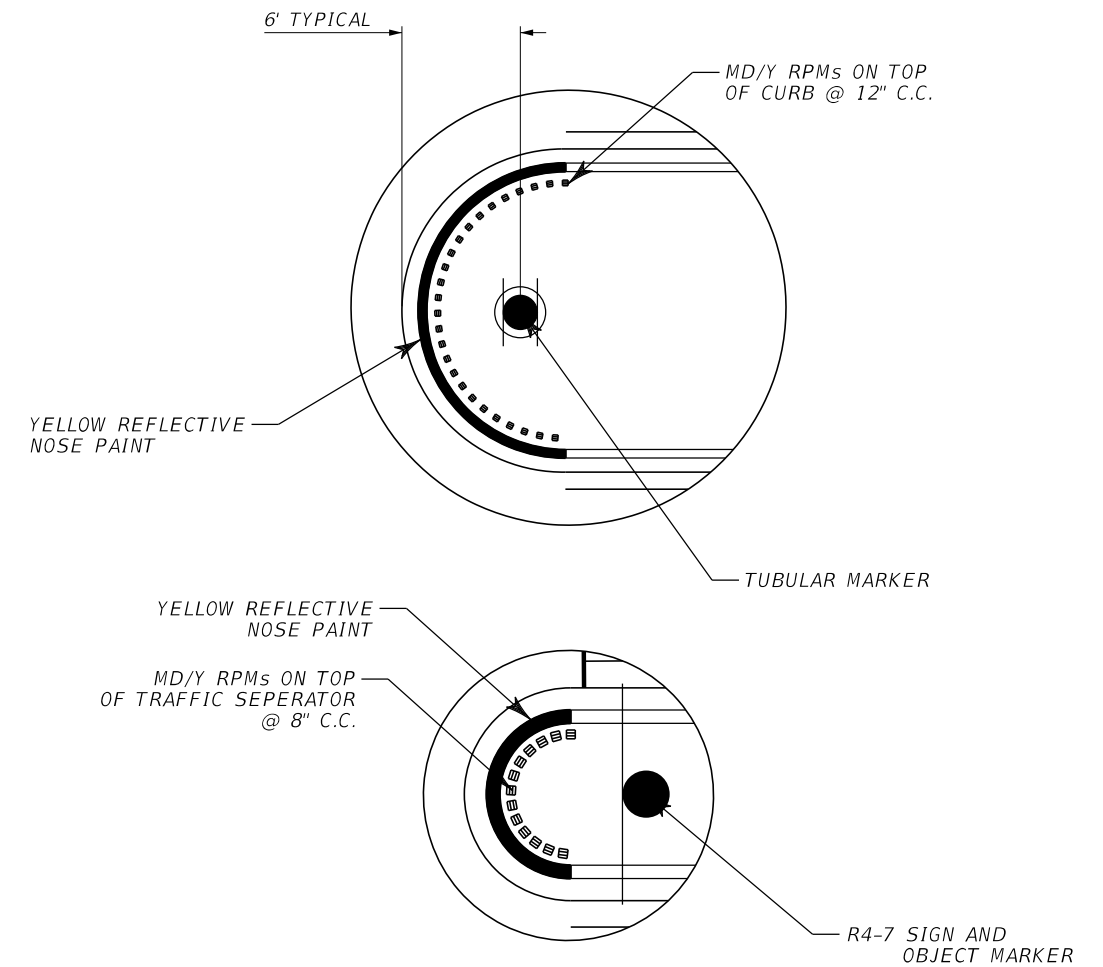
* THESE QUANTITIES ARE PAID FOR UNDER PAINTED PAVEMENT MARKINGS (FINAL SURFACE), LUMP SUM ITEM NO. 710-90. THE QUANTITIES SHOWN ARE FOR ONE APPLICATION: SEE SPECIFICATION 710 FOR THE NUMBER OF APPLICATIONS REQUIRED.

| | | | | | | | |
|----------------|-----------|--|------------------------|--|-------------------------------------|---|------------------|
| SCALE AS NOTED | |  HDR Engineering, Inc. 2601 Cattlemen Road Suite 400 Sarasota, FL 34232-6233 | DATE 12/2021 |  MANATEE COUNTY PUBLIC WORKS | DESIGN ENGINEER MICHAEL J. OATES | TABULATION OF QUANTITIES (2) | SHEET NO. S-4 |
| DESIGNED BY MO | | | PROJECT NO. 6094360 | | FL. LICENSE NO. 49282 | | |
| DRAWN BY VD | | | | | | | |
| CHECKED BY IR | | | | | | | |
| No. | REVISIONS | DATE | BY | | | | |

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



SIGNING AND PAVEMENT MARKING GENERAL NOTES:

1. ALL PAVEMENT MARKINGS WITHIN THE MANATEE COUNTY RIGHT-OF-WAY SHALL BE THERMOPLASTIC.
2. REFER TO F.D.O.T. STANDARD PLANS INDEX NO. 706-001 FOR RETRO-REFLECTIVE PAVEMENT MARKER PLACEMENT DETAILS.
3. CAUTION SHALL BE EXERCISED WHILE RELOCATING EXISTING SIGNS SO AS TO PREVENT DAMAGE TO THE SIGNS. IF THE SIGNS ARE DAMAGED BEYOND USE, AS DETERMINED BY THE ENGINEER, THEY SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
4. THE SIGN LOCATIONS ARE APPROXIMATE AND MAY REQUIRE FIELD ADJUSTMENT AS DIRECTED BY THE ENGINEER.
5. ANY EXISTING SIGN TO REMAIN THAT IS DISTURBED DURING CONSTRUCTION OR RELOCATED SHALL BE RESET TO CURRENT STANDARDS FOR HEIGHT, OFFSET, AND METHOD OF INSTALLATION. COST OF THIS WORK SHALL BE REFLECTED IN THE PAY ITEM NO. 102-1 IN THE SUMMARY OF ROADWAY PAY ITEMS.
6. CONTRACTOR SHALL USE W-SHAPE STEEL POSTS FOR MULTI-POST SIGNS. ALL COLUMNS (POSTS) FOR SINGLE COLUMN SIGNS SHALL BE U-CHANNEL POST, UNLESS OTHERWISE INDICATED IN THE PLANS.
7. ALL SINGLE COLUMN SIGNS WITHIN THE LIMITS OF CLEARING AND GRUBBING SHALL BE REMOVED UNLESS OTHERWISE NOTED IN THE PLANS. PAYMENT SHALL BE REFLECTED IN THE PAY ITEM NO. 110-1-1 IN THE SUMMARY OF ROADWAY PAY ITEMS.
8. AT LOCATIONS WHERE UNDERGROUND UTILITIES ARE IN CLOSE PROXIMITY TO SIGN FOUNDATIONS AS DETERMINED BY THE CONTRACTOR, THE CONTRACTOR SHALL HAND DIG THE FIRST FOUR FEET OF THE HOLE FOR THE MULTI POST FOUNDATIONS.
9. ALL CROSSWALKS SHALL BE SIX FEET (6') OR TEN FEET (10') IN WIDTH AS SHOWN IN PLANS. MEASUREMENTS SHALL BE FROM INSIDE TO INSIDE OF 12" STRIPES.
10. TUBULAR MARKERS SHALL BE INSTALLED AT ALL MEDIAN NOSES AS SHOWN IN PLANS PER STANDARD PLANS INDEX NO. 711-001.
11. WHERE EXISTING STREET NAME SIGNS ARE RELOCATED ONTO PROPOSED STOP SIGN ASSEMBLIES, THE COST IS TO BE INCLUDED UNDER THE RELATED PAY ITEM.



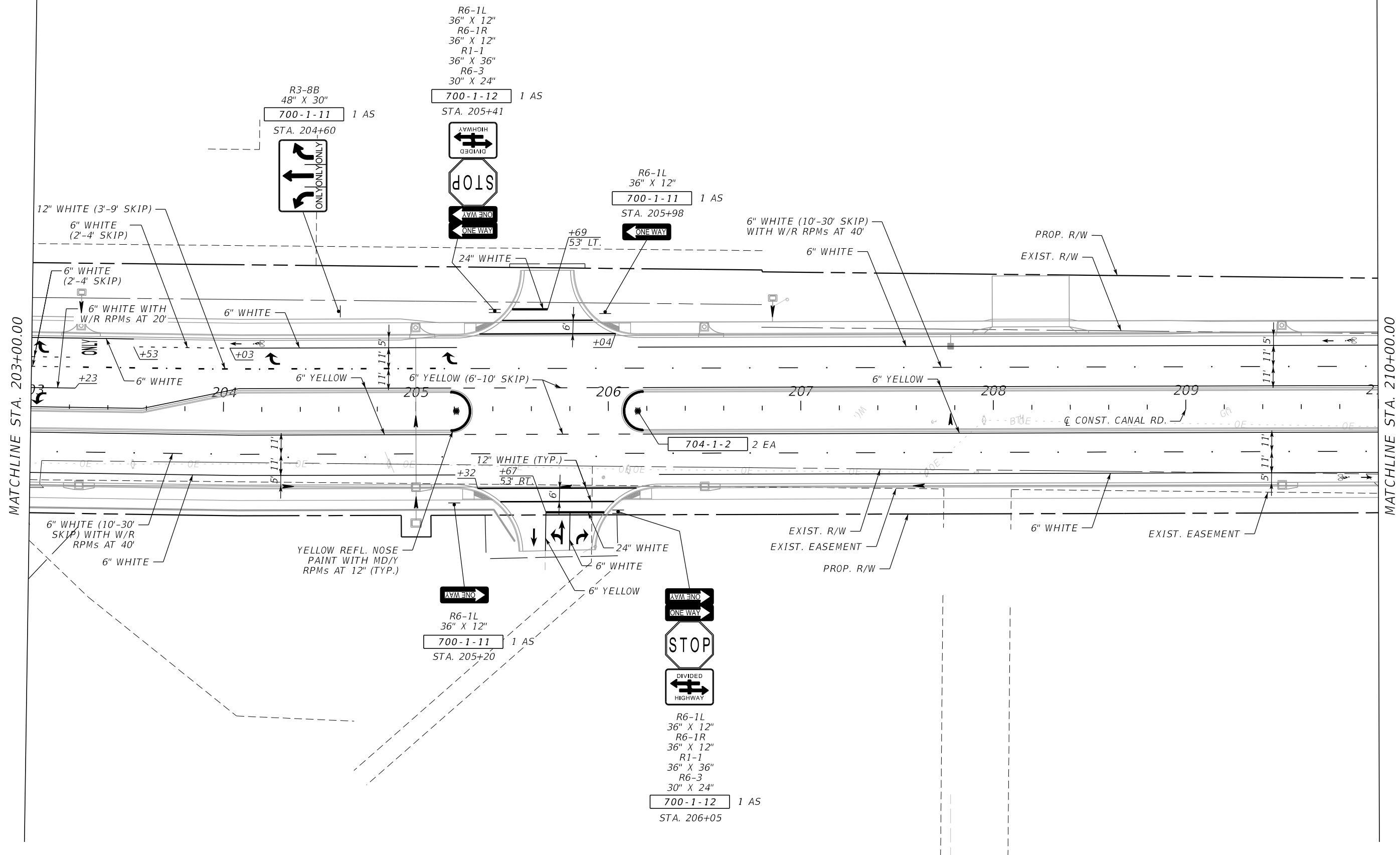
TRAFFIC SEPARATOR MARKING DETAIL

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

| | | | | | | | | | | | | | | | | | |
|--|-----------|-----------|----|-----|-----------|------|----|--|--|-----------|----|--|--|-------------------------------------|--|---|---------------|
| <table border="1"> <tr> <td>No.</td> <td>REVISIONS</td> <td>DATE</td> <td>BY</td> </tr> <tr> <td></td> <td></td> <td>12/9/2021</td> <td>IR</td> </tr> </table> | | | | No. | REVISIONS | DATE | BY | | | 12/9/2021 | IR | SCALE AS NOTED DESIGNED BY MO DRAWN BY VD CHECKED BY IR |  HDR Engineering, Inc. 2601 Cattlemen Road Suite 400 Sarasota, FL 34232-6233 | DATE 12/2021 PROJECT NO. 6094360 |  MANATEE COUNTY PUBLIC WORKS | DESIGN ENGINEER MICHAEL J. OATES FL. LICENSE NO. 49282 | SHEET NO. S-5 |
| No. | REVISIONS | DATE | BY | | | | | | | | | | | | | | |
| | | 12/9/2021 | IR | | | | | | | | | | | | | | |

16TH AVE E (CANAL RD.)

1" = 50'



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| | | | | | | | | | | | | | | | | |
|-----|--|-----------|--|------|----|------------|----------|--|-------------|---------|--|-----------------|------------------|---|-----------|-----|
| No. | | REVISIONS | | DATE | BY | SCALE | AS NOTED | <p>HDR Engineering, Inc. 2601 Cattlemen Road Suite 400 Sarasota, FL 34232-6233</p> | DATE | 12/2021 | <p>MANATEE COUNTY PUBLIC WORKS</p> | DESIGN ENGINEER | MICHAEL J. OATES | <p>SIGNING AND PAVEMENT MARKING PLAN (2)</p> | SHEET NO. | S-7 |
| No. | | REVISIONS | | DATE | BY | CHECKED BY | IR | | PROJECT NO. | 6094360 | | FL. LICENSE NO. | 49282 | | | |
| No. | | REVISIONS | | DATE | BY | CHECKED BY | IR | | | | | | | | | |
| No. | | REVISIONS | | DATE | BY | CHECKED BY | IR | | | | | | | | | |

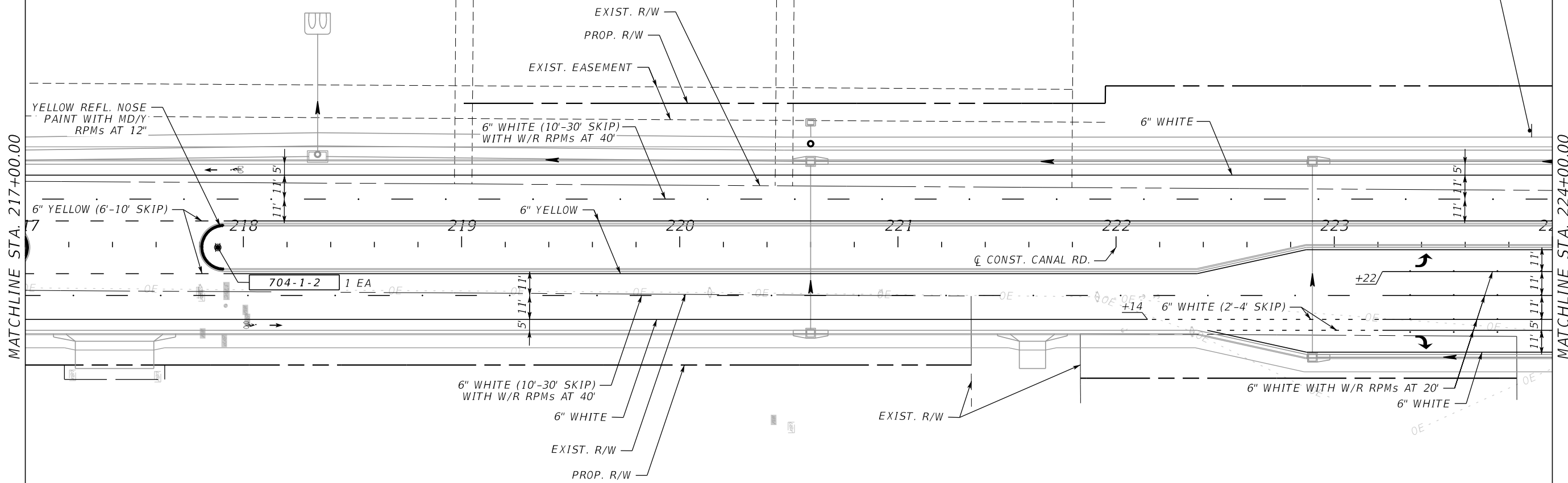
1:09:05 PM 12/9/2021 PW:\

16TH AVE E (CANAL RD.)

1" = 50'

R2-1
30" X 36"
1 AS 700-1-11
STA. 223+90

SPEED
LIMIT
40



MATCHLINE STA. 217+00.00

MATCHLINE STA. 224+00.00

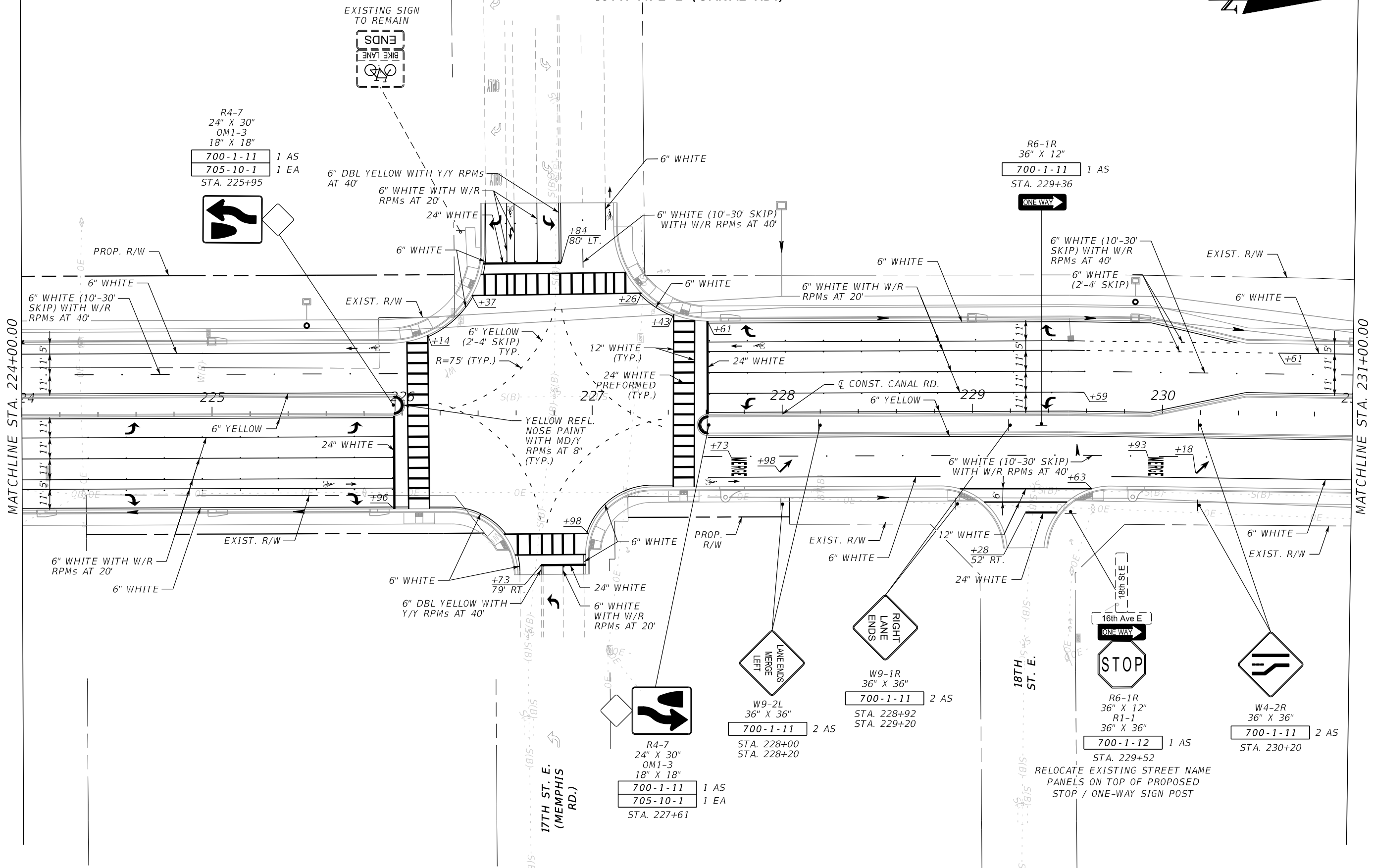
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| | | | | | | | | | | | | | | | |
|-------------|--|-----------|--|-------------|---------|-----------------|--|-------|---------|--|-----------------|------------------|---|-----------|-----|
| No. | | REVISIONS | | DATE | BY | IR | <p>HDR Engineering, Inc. 2601 Cattlemen Road Suite 400 Sarasota, FL 34232-6233</p> | DATE | 12/2021 | <p>MANATEE COUNTY PUBLIC WORKS</p> | DESIGN ENGINEER | MICHAEL J. OATES | <p>SIGNING AND PAVEMENT MARKING PLAN (A)</p> | SHEET NO. | S-9 |
| SCALE | | AS NOTED | | PROJECT NO. | 6094360 | FL. LICENSE NO. | | 49282 | | | | | | | |
| DESIGNED BY | | MO | | | | | | | | | | | | | |
| DRAWN BY | | VD | | | | | | | | | | | | | |
| CHECKED BY | | PW:\ | | | | | | | | | | | | | |

1:09:12 PM 12/9/2021

16TH AVE E (CANAL RD.)

1" = 50'



| | | | |
|----------------|-----------|-----------|----|
| No. | REVISIONS | DATE | BY |
| | | 12/9/2021 | IR |
| SCALE AS NOTED | | | |
| DESIGNED BY MO | | | |
| DRAWN BY VD | | | |
| CHECKED BY IR | | | |



HDR Engineering, Inc.
2601 Cattlemen Road
Suite 400
Sarasota, FL 34232-6233

DATE
12/2021
PROJECT NO.
6094360



MANATEE COUNTY
PUBLIC WORKS

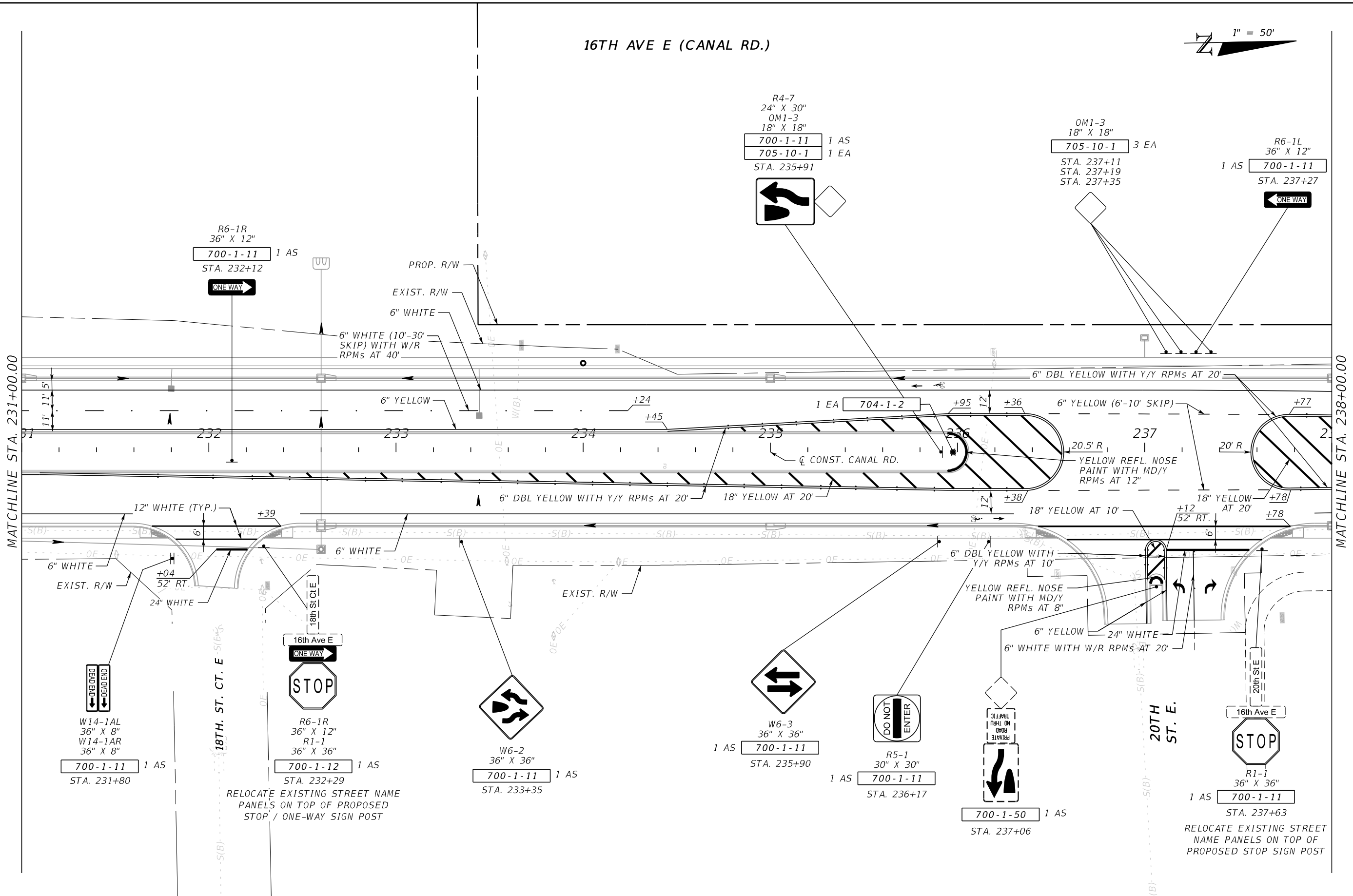
DESIGN ENGINEER
MICHAEL J. OATES
FL. LICENSE NO.
49282

SIGNING AND PAVEMENT
MARKING PLAN (5)

SHEET NO.
S-10

16TH AVE E (CANAL RD.)

1" = 50'



| | | | |
|-----|-----------|------|----|
| No. | REVISIONS | DATE | BY |
| | | | |
| | | | |
| | | | |
| | | | |

SCALE AS NOTED

DESIGNED BY MO

DRAWN BY VD

CHECKED BY IR

DATE 12/2021

PROJECT NO. 6094360

HDR Engineering, Inc.
2601 Cattlemen Road
Suite 400
Sarasota, FL 34232-6233

Manatee County
FLORIDA

MANATEE COUNTY
PUBLIC WORKS

DESIGN ENGINEER
MICHAEL J. OATES

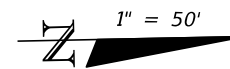
FL. LICENSE NO.
49282

**SIGNING AND PAVEMENT
MARKING PLAN (6)**

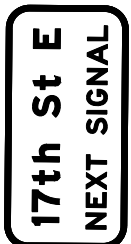
SHEET NO.
S-11

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16TH AVE E (CANAL RD.)



SIGN 2
96" X 48"
700-1-74 1 AS
STA. 238+15



R1-1
36" X 36"
700-1-11 1 AS
STA. 239+88

RELOCATE EXISTING STREET
NAME PANELS ON TOP OF
PROPOSED STOP SIGN POST



R2-1
30" X 36"
700-1-11 1 AS
STA. 243+43



21ST ST.
CT. E.



R1-1
36" X 36"
700-1-11 1 AS
STA. 240+49

RELOCATE EXISTING STREET
NAME PANELS ON TOP OF
PROPOSED STOP SIGN POST



W3-5
36" X 36"
700-1-11 1 AS
STA. 241+25



R2-1
30" X 36"
700-1-11 1 AS
STA. 243+43

END PAVEMENT MARKING
MATCH EXISTING PAVEMENT MARKING
STA. 244+76.77

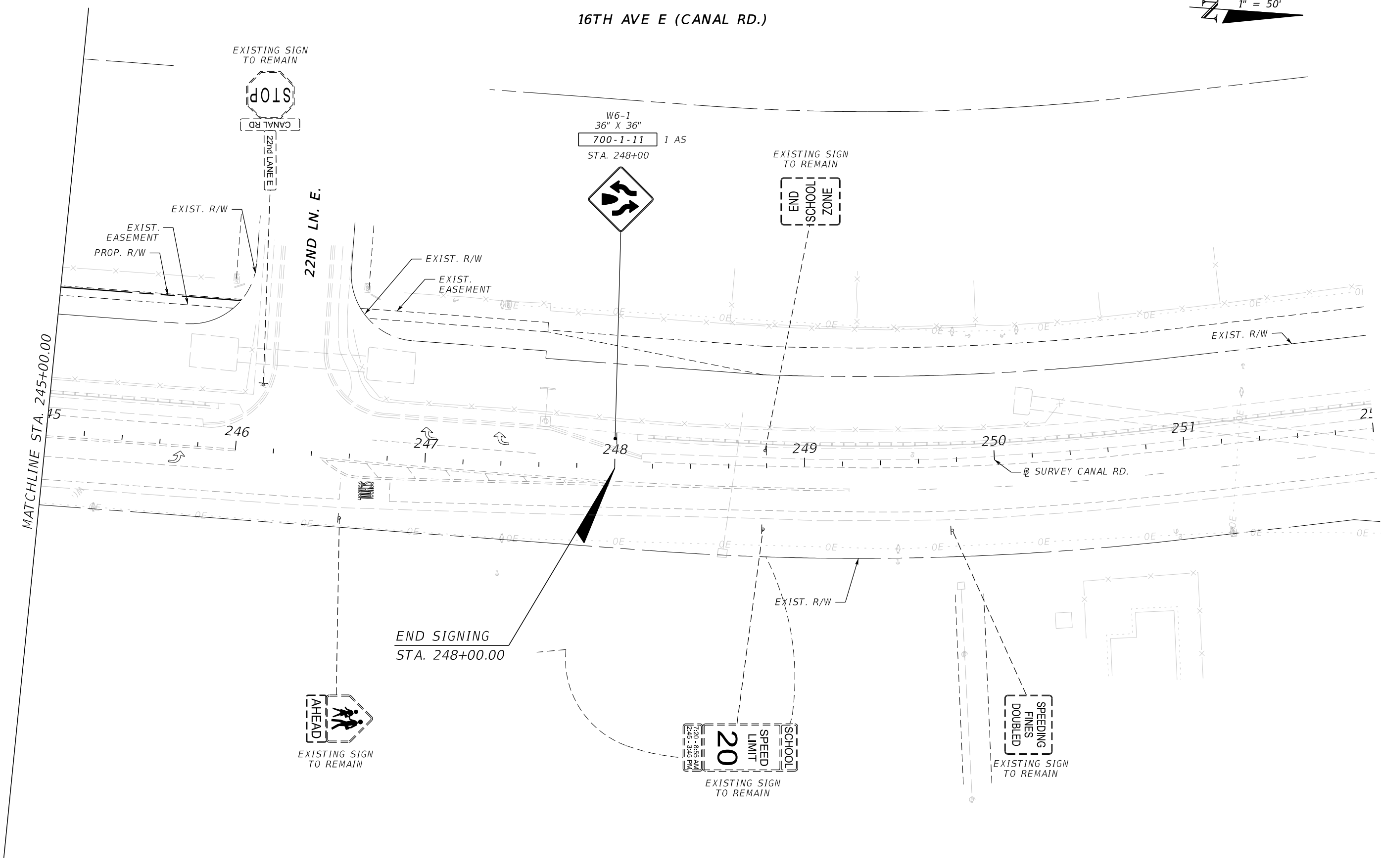
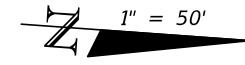
MATCHLINE STA. 238+00.00

MATCHLINE STA. 245+00.00

| | | | | | | |
|--|--|--|------------------------|--------------------------------|-------------------------------------|-------------------|
| SCALE AS NOTED DESIGNED BY MO DRAWN BY VD CHECKED BY IR | | HDR Engineering, Inc. 2601 Cattlemen Road Suite 400 Sarasota, FL 34232-6233 | DATE 12/2021 | MANATEE COUNTY PUBLIC WORKS | DESIGN ENGINEER MICHAEL J. OATES | SHEET NO. S-12 |
| No. REVISIONS DATE BY PW:\ | | | PROJECT NO. 6094360 | | FL. LICENSE NO. 49282 | |

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16TH AVE E (CANAL RD.)



W6-1
36" X 36"
700-1-11 1 AS
STA. 248+00



EXISTING SIGN TO REMAIN
END SCHOOL ZONE

END SIGNING
STA. 248+00.00

7:20 - 8:55 AM
2:45 - 3:45 PM
20
SCHOOL
SPEED
LIMIT

SPEEDING
FINES
DOUBLED

EXISTING SIGN TO REMAIN
STOP
CANAL RD

EXISTING SIGN TO REMAIN
AHEAD

| | | | |
|----------------|-----------|-----------|----|
| No. | REVISIONS | DATE | BY |
| | | 12/9/2021 | IR |
| SCALE AS NOTED | | | |
| DESIGNED BY MO | | | |
| DRAWN BY VD | | | |
| CHECKED BY IR | | | |



HDR Engineering, Inc.
2601 Cattlemen Road
Suite 400
Sarasota, FL 34232-6233

DATE
12/2021
PROJECT NO.
6094360



MANATEE COUNTY
PUBLIC WORKS

DESIGN ENGINEER
MICHAEL J. OATES
FL. LICENSE NO.
49282

SIGNING AND PAVEMENT
MARKING PLAN (8)

SHEET NO.
S-13

