

# **RAINBOW LAKES ESTATES**

**Road Improvement Plans FY 24/25** 

**KEY MAP** 

NOT TO SCALE

## **CONSTRUCTION REFERENCE**

7. PAVE MINIMUM 25' RADII RETURNS AT ALL INTERSECTIONS.

8. PROVIDE 1' WIDE EDGE TAPER MATCH AT DRIVEWAYS.

**GENERAL NOTES:** 

IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THEY ARE USING THE LATEST APPROVED "PERMITTED" PLANS PRIOR TO BEGINNING CONSTRUCTION.

THE ROAD CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE APPROPRIATE ROADWAY AND TRAFFIC DESIGN STANDARDS AS LISTED ABOVE.

ALL SECTION, BLOCK, AND PROPERTY CORNERS DISTURBED OR DESTROYED BY CONSTRUCTION OPERATIONS SHALL BE REPLACED BY A FLORIDA REGISTERED SURVEYOR AT THE ROAD CONTRACTOR'S EXPENSE.

COPIES OF THESE PLANS AS DESIGNED BY THE PROFESSIONAL ENGINEER HAVE BEEN RETAINED BY THE PROFESSIONAL ENGINEER AND HE WILL NOT BE RESPONSIBLE FOR ANY SUBSEQUENT CHANGES TO THE REPRODUCIBLE ORIGINAL DOCUMENTS. THIS PLAN BASED ON OVERALL MAPS OF SILVER SPRING SHORES PROVIDED BY MARION G.I.S. DEPARTMENT & MARION COUNTY UTILITY DEPARTMENT.

THE ROAD CONTRACTOR SHALL VERIEY THE LOCATION OF ALL EXISTING UTILITIES SHOWN OR NOT SHOWN THROUGH DIRECT CONTRACT WITH THE UTILITIES. SHOWN OR NOT SHOWN THROUGH DIRECT CONTRACT SHALL BE AMAINAIDED THROUGHOUT THE LEFE OF THE PROJECT. ANY UTILITIES DISSIPLICITIVE TO THIS OPERATION OF THE PROJECT CONTRACT SHALL NOT SHOULD ARROW COUNTY SHALL FOR THE LEFE OF SHORISHER FOR WISHINGTON ARROW COUNTY SHALL FOR THE LEFE OF SHORISHER FOR THE SHALL SHA

CITIZEN'S STANDARDS FOR ASSESSMENT / MSTU ROAD DESIGN AND CONSTRUCTION - BOCC POLICY 09-01

F.D.O.T. ROADWAY AND TRAFFIC DESIGN STANDARDS, LATEST REVISION

F.D.O.T. STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION. LATEST REVISION

MARION COUNTY LAND DEVELOPMENT CODE, LATEST REVISION

DRAWING INDEX   SHEET NUMBER   DRAWING DESCRIPTION   1   COVER SHEET   2   MAP 1   3   MAP 2   4   MAP 2   4   MAP 3   MAP 2   MAP 4   MAP 5   MAP 6   MAP 7   MAP 7				
SHEET NUMBER	DRAWING DESCRIPTION			
1	COVER SHEET			
2	MAP 1			
3	MAP 2			
4	MAP 3			
5	MAP 4			
6	MAP 5			
7	TYPICAL SECTION & DETAILS			
8	SUMMARY OF QUANTITIES			

### UTILITY COMPANIES CONTACT PERSON SECO ELECTRIC JERRY BOLDUC COMCAST CABLE SCOTT OSEBOLD (352) 267-7620 ARION COUNTY UTILITIES - WATER MAIN OFFICE (352) 307-6000 NATURAL GAS NO SERVICE PROVIDED

Revisions to Plan Set 04-29-2025

### (1) - MAP NUMBER SE 100TH PLACE -A - UNIT LETTER

∠ sw viola court

MAP 2

MAP 4

MAP 5 GROSS LENGTH OF PROJECT

LENGTH OF PROJECT

7,701.59

8,058.43

15,760.02

1.46

1.52

SW TAMARIX COLIRT

MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST REVISION

	SHEET NUMBER	DRAWING DESCR
	1	COVER SHE
	2	MAP 1
	3	MAP 2
	4	MAP 3
	5	MAP 4
	6	MAP 5
	7	TYPICAL SECTION 8
	8	SUMMARY OF QUA

Plans Prepared By:

**COUNTY COMMISSIONERS** 

DISTRICT 1 - CRAIG CURRY

DISTRICT 2 - KATHY BRYANT, CHAIRMAN

DISTRICT 3 - MATT MCCLAIN

DISTRICT 4 - CARL ZALAK III

DISTRICT 5 - MICHELLE STONE

COUNTY ADMINISTRATOR - MOUNIR BOUYOUNES

SE 124TH TERRACE

OD WE

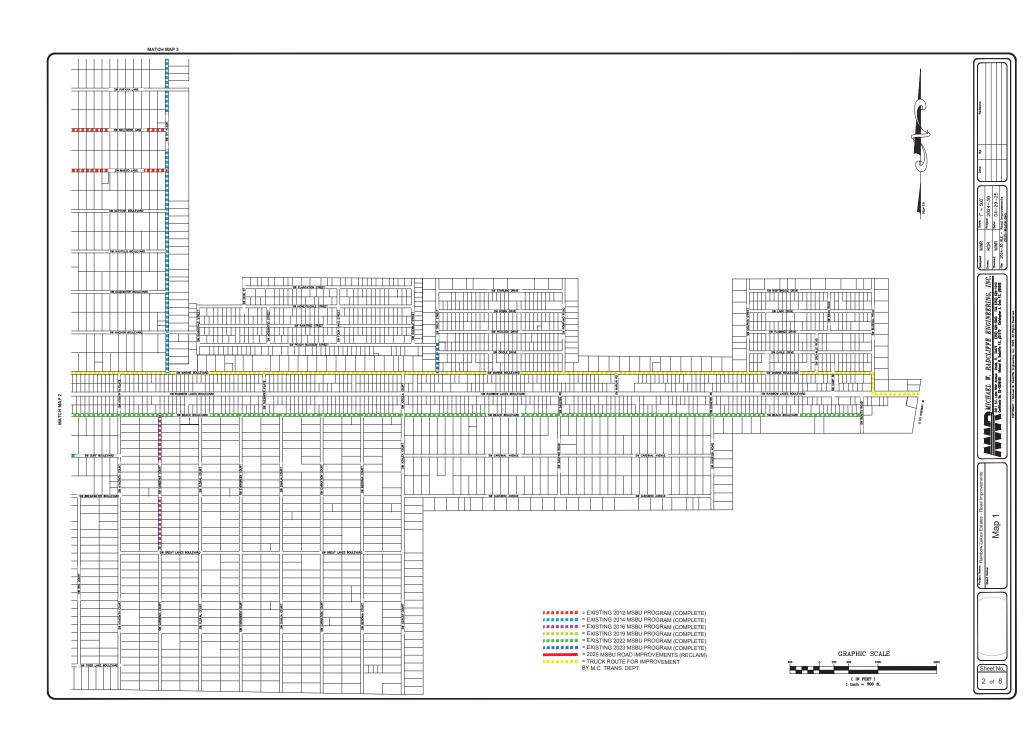
PROJECT COORDINATOR - PETE HODGES

###### = EXISTING 2012 MSBU PROGRAM (COMPLETE) ######## = EXISTING 2014 MSBU PROGRAM (COMPLETE)
######### = EXISTING 2016 MSBU PROGRAM (COMPLETE) EXISTING 2019 MSBU PROGRAM (COMPLETE)

####### = EXISTING 2022 MSBU PROGRAM (COMPLETE) \*\*\*\* = EXISTING 2023 MSBU PROGRAM (COMPLETE)

= 2025 MSBU ROAD IMPROVEMENTS (RECLAIM) = TRUCK ROUTE FOR IMPROVEMENT BY M.C. TRANS. DEPT.

(4

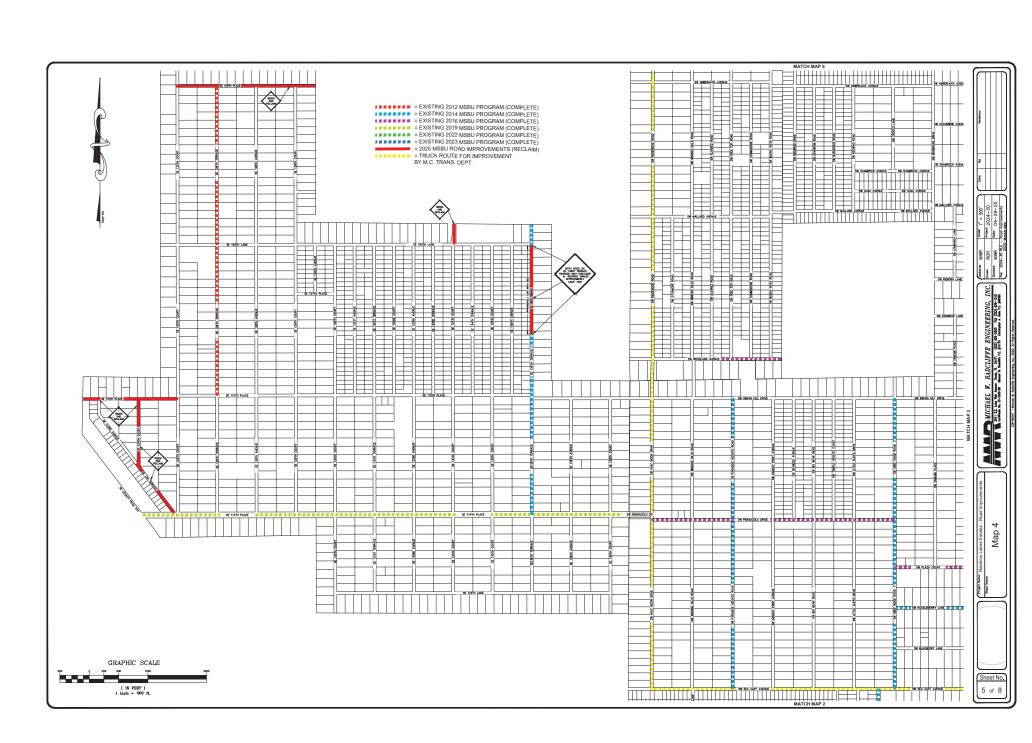


MATCH MAP 3

MATCH MAP 3

MATCH MAP 4

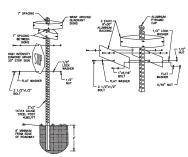
XIMME PopulahETU - Narbon Lakes Balansi 204-30 METU - NLE Road Impowements 204-205 Dasay-CADD 204-30 NIE - Raad Impowements 2005-Massiac deg 77 2005 9 29



X SWATE Project 884 STU - Reinlow Lakes Elst sketCOOk 50 MSTU - RLIE Road insprovements 2004-5000 RDH 2004-500 RLIE - Results provements 2005-844aster chry 70 0000 St 20 AM

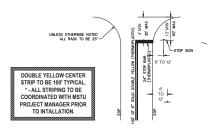
CRACKS UNDER  $X^{\alpha}$  IN WIDTH SHALL BE FILLED BY THE APPLICATION OF RS-1 OR RS-2 SPECIFIED FOR THE TACK COAT WHICH SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THAT ITEM.

A. APPLICATION OF AN ASPHALTIC CONCRETE OVERLAY OF SPECIFIED THICKNESS AND TYPE.





### TYPICAL REGULATORY AND WARNING SIGNS



TYPICAL INTERSECTION DETAIL

Standards for Overlaying Existing Asphalt Roadways PAVEMENT PREPARATION:

- PROOF TO ANY OPERATY OF POSTING PAYMENT, GRASS OR MEDGE TO MY OPERATY OF POSTING PAYMENT, GRASS OR MEDGE TO DEFINE PIE DOE AND CLEANED SUPPORTING TO ACCEPT THE CONTINUE AND CLEANED SUPPORTING TO ACCEPT THE CONTINUE AND CLEANED SUPPORTING TO THE CONTINUE AND CLEANED SUPPORTING TO THE CONTINUE AND CLEANED SUPPORTING TO THE CONTINUE OF SUPPORTING TO THE BLADING OPERATION WILL BE DEPOSED MANDERS OF PROACE LAWARD OF SECTIONARY OF THE SUPPORTING TO THE CONTINUE AND CLEANED SUPPORTING TO THE CONTINUE SUPPORTING TO THE CONTINUE SUPPORTING TO THE CONTINUE SUPPORTING
- OVER FILED.

  MATERIAL USED FOR FILLING CRACKS OVER ½" IN WIDTH WILL BE HOT-POURED. WITH THE APPROVAL OF THE DESIGN ENGINEER, A LEVELING COURSE MAY ALSO BE REQUIRED. ALL WORK MENTIONED ABOVE WILL BE INCLUDED IN THE PAY ITEM FOR PAYMENT PREPARATION.
- WORK METHODIST AROY, WILL BE MOLUED IN THE PAY ITSM FOR OCH LESS THAN \$4. MODEL WILL BE LIGHT OF THE APPLICATION OF THE CONTINUE OF THE PAY IN THE PAY I
- EXISTING EPINEWAYS AND CALAMING THE ENTIRE PAYEMENT SHALL BE DODE AT THE CONTRACT UNIT PRIESE PER SOLARE YAMED FOR PAYEMENT PRESENTATION.

  THE PAYEMENT SHALL CONSIST OF A MINIMUM OF 1-1X" ASPHALT TYPE SY-2-3. WITH MANAMUM OF 15R FEGLAM MIX PAYEMENT PREPARATION INCLUDES BROOMING OF ASPHALT, CUPPING OF GRASS OFF DICE OF DESTING ASPHALT, CHARK SEALING OF CRACKS, OF WIDER, MILLING ACROSS FRONT OF DIVINEWAYS SO ASPHALT WILL SHALL SHA

SECTION 4-4

Standards for Reclamation of Existing Paved Roads

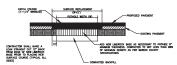
STANDARDS FOR RECLAMATION OF EXISTING PAVED ROADS WILL CONSIST OF:

- EXISTING DRIVEWAY

TYPICAL DRIVEWAY TURNOUT DETAIL

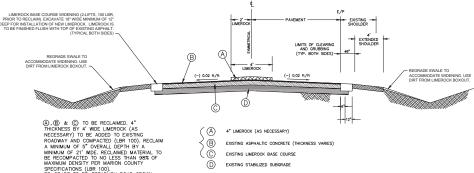
TYPICAL INTERSECTION TURNOUT DETAIL

THANAMES FOR RECLAMATION OF EXISTING PAND ROADS MILL CONSIST OF MAGNIFICATION TO EXISTING PAND REAL PAND ROADS AND REAL PAND R



### POTHOLE REPAIR DETAIL

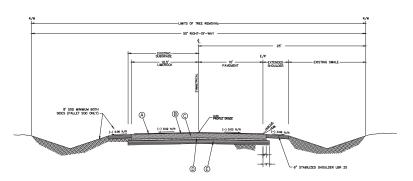
ALTERNATE: FOR SHALLOW POTHOLES, CONTRACTOR MAY CLEAN THEM & PROVIDE LEVELING SKIM COURSE



SPECIFICATIONS (LBR 100). RE-GRADE TO RE-ESTABLISH ROAD CROWN.

RECLAIM DEPTH MAY BE ADJUSTED BASED ON FIELD CONDITIONS AS DIRECTED BY MSTU PROJECT MANAGER

### TYPICAL SECTION WIDENING AND RECLAMATION PROCESS



TYPICAL SECTION **RECLAIMED BASE** 

1-1/4" ASPHALTIC CONCRETE (COMPACTED, TYPE SP-9.5)

₿ BITUMNOUS PRIME COAT

MINIMUM 5" RECLAIMED BASE COURSE (LBR 100)

(E) EXISTING LIMEROCK BASE COURSE EXISTING STABILIZED SUBGRADE

7 of 8

Designed Charles File 20

IMICHABL W. RADCLIFFE ENGINEERING, II
SEL LES WE MORNE COME, T. SAIT. (MR) 629-5400 FM (23) 23-010
SANTAGES IN, IN-COURS IN MARCHY PL. \$1170. CANADOM A COM P. \$40000

SUMMANY OF SUMMANY						
SUMMARY OF QUANTITIES						
1 MOBILIZATION/DEMOBILIZATON (INCLUDES INSURANCE & BID BOND)	1	LS	INCLUDES BID BOND			
2 CONSTRUCTION LAYOUT	1	LS				
3 MAINTENANCE OF TRAFFIC	1	LS	INCLUDES TEMPORARY STRIPING			
4 PAYMENT AND PERFORMANCE BOND	1	LS				
5 CLEARING AND GRUBBING						
5.1 RIGHT-OF-WAY	5.79	AC	8' EACH SIDE OF ROADWAY FOR LIMEROCK BOX OUT. INCLUDES MAILBOX RELOCATION AND EARTHWORK INCLUDES RE-GRADING ON SE 136TH TERRACE			
5.2 DRIVEWAY REMOVAL (NO PAY)			INCLUDED IN UNIT PRICE FOR CLEARING & GRUBBING			
6 ROADWAY						
6.2 RECLAIM	33,590	SY				
6.3 LIMEROCK	3.500	TN	INCLUDES WIDENING AND 4" x 4" FOR CROWN REESTABLISHMENT			
6.4 ROADWAY PRIME COAT (BITUMINOUS TREATMENT)	33,590	SY				
6.5 PAVEMENT - 1.25" ASPHALTIC CONCRETE TYPE SP-9.5	32,021	SY	MINIMUM OF 1-1/4" COMPACTED TYPE SP-9.5 ASPHALTIC CONCRETE, INCLUDING 18" WIDE INTERSECTION TURNOUT			
7 ROADSIDE GRASSING						
7.1 SOD	28,018	SY	ROLLED SOD WITH NETTING REMOVED, & BOTH SIDES OF THE ROAD - INCLUDES RE-GRADING HIGH SHOULDER + SWALES ON SE 136TH TERRACE			
8 DRAINAGE						
7.1 SILT FENCE	3,000	LF	LOCATION TO BE FIELD DETERMINED, IF APPLICABLE			
9 SIGNS						
9.1 TRAFFIC CONTROL SIGNS (EXISTING) (NO PAY)			REMOVE, PROTECT AND REINSTALL			
9.2 TRAFFIC CONTROL SIGNS (NEW)						
9.2.1 WARNING SIGN	1	EA	"ROAD NARROWS AHEAD"			
10 PAVEMENT MARKINGS						
10.1 6* DOUBLE YELLOW STRIPE (THERMOPLASTIC)	1,400	LF	DOUBLE YELLOW FIRST 100' AT EACH INTERSECTION			
10.2 24" WHITE STOP BAR (THERMOPLASTIC)	140	LF	10 LF EACH			

# Legend For Quantities:

SQUARE YARD TON EACH LINEAR FOOT MILE

Hereir Rainbow Lakes Estates - Road Improvements
Summary of Quantities