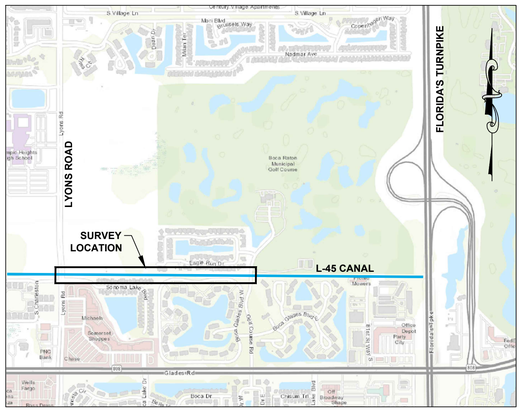
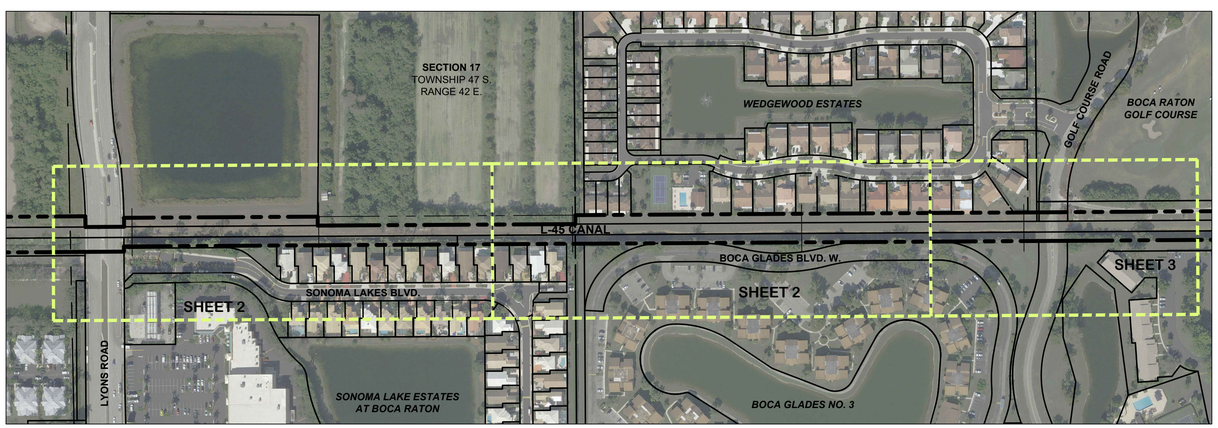
LAKE WORTH DRAINAGE DISTRICT
MAINTENANCE & RESTORATION PROGRAM
L-45 CANAL
LYONS ROAD TO GOLF COURSE ROAD
SECTION 17, TOWNSHIP 47 SOUTH, RANGE 42 EAST
PALM BEACH COUNTY, FLORIDA



LOCATION MAP
NOT TO SCALE



SEE SHEET 3 OF 4 FOR PHOTOGRAPHS OF SITE
SEE SHEET 4 OF 4 FOR CROSS SECTIONS

KEY MAP
SCALE: 1" = 200'

0 200 400 FEET
THIS MAP IS INTENDED TO BE DISPLAYED AT A SCALE OF 1" = 200 FEET

N W E S

SURVEYOR'S NOTES:

1. THIS IS A TOPOGRAPHIC SURVEY AS DEFINED IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE. SAID SURVEY MEETS THE "STANDARDS OF PRACTICE" FOR SURVEYING AND MAPPING, AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

2. THE HORIZONTAL DATUM OF THE SURVEY IS REFERENCED TO THE NORTH AMERICAN DATUM OF 1983, 1990 ADJUSTMENT, FLORIDA STATE PLANE COORDINATES SYSTEM, EAST ZONE, TRANSVERSE MERCATOR PROJECTION. THIS REFERENCE WAS ESTABLISHED UTILIZING A TRIMBLE R-12 GPS RECEIVER AND TSC-7 DATA COLLECTOR WITH THE TRIMBLE VRS NOW NETWORK AND VERIFIED BY MULTIPLE OBSERVATIONS ON THE FOLLOWING PUBLISHED FLORIDA DEPARTMENT OF TRANSPORTATION CONTROL POINTS:

   "BM4"
   FOUND FLORIDA DEPARTMENT OF TRANSPORTATION BRASS DISK STAMPED "808 93 11 BM4"
   NORTHING: 740322.367
   EASTING: 922341.869

   "C1"
   FOUND FLORIDA DEPARTMENT OF TRANSPORTATION BRASS DISK STAMPED "808 93 09 C1"
   NORTHING: 740252.093
   EASTING: 923070.173

3. THE ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29) AND ARE BASED UPON THE ABOVE DESCRIBED FLORIDA DEPARTMENT OF TRANSPORTATION CONTROL POINTS:

   "BM4"
   FOUND FLORIDA DEPARTMENT OF TRANSPORTATION BRASS DISK STAMPED "808 93 11 BM4"
   ELEVATION: 19.482' (NGVD 29)

   "C1"
   FOUND FLORIDA DEPARTMENT OF TRANSPORTATION BRASS DISK STAMPED "808 93 09 C1"
   ELEVATION: 20.832' (NGVD 29)

   TO CONVERT TO NORTH AMERICAN VERTICAL DATUM 1988 SUBTRACT 1.512 FEET
   NGVD 29 - 1.512 FEET = NAVD 88

4. THIS SURVEY WAS PERFORMED UTILIZING G.P.S.-R.T.K. PROCEDURES AND TRADITIONAL SURVEY PROCEDURES WITH MULTIPLE MEASUREMENTS, AND HAS A STATISTICAL HORIZONTAL AND VERTICAL POSITIONAL PRECISION LESS THAN 0.10 FEET.

5. ALL DISTANCES SHOWN HEREON ARE IN U.S. SURVEY FEET AND DECIMALS THEREOF.

6. THIS SURVEY IS NOT VALID WITHOUT THE SIGNATURE AND SEAL OR ELECTRONIC SIGNATURE OF A FLORIDA LICENSED SURVEYOR.

7. ADDITIONS OR DELETIONS TO THIS SURVEY MAP OR REPORT BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.

LEGEND:

CMP	CORRUGATED METAL PIPE
DB	DEED BOOK
D.I.P.	DUCTILE IRON PIPE
E:	EASTING
EL.	ELEVATION
EP	EDGE OF PAVEMENT
G.P.S.	GLOBAL POSITIONING SYSTEM
INV.	INVERT
H	HORIZONTAL
LWDD	LAKE WORTH DRAINAGE DISTRICT
N:	NORTHING
NAVD	NORTH AMERICAN VERTICAL DATUM
NGVD	NATIONAL GEODETIC VERTICAL DATUM
ORB	OFFICIAL RECORDS BOOK
PB	PLAT BOOK
PG.	PAGE
RCP	REINFORCED CONCRETE PIPE
RPB	ROAD PLAT BOOK
R.T.K.	REAL TIME KINEMATIC
R/W	RIGHT OF WAY
S.R.	STATE ROAD
T.O.P.	TOP OF PIPE
TYP.	TYPICAL
V	VERTICAL

X X	SECTION VIEW NUMBER
	TOP OF WATER
	CHAIN LINK FENCE
	WOOD FENCE
	STORM PIPE
	TOP OF BANK
	EASEMENT LINE
	CANAL RIGHT OF WAY LINE
	SECTION LINE
X.X	SPOT ELEVATION
D	STORM MANHOLE
PX	PHOTOGRAPH NUMBER WITH DIRECTION ARROW
	TOP OF SOFT MATERIAL SOFT MATERIAL HARD BOTTOM

№	DATE:	DESCRIPTION:	BY:

REVISIONS:

LWDD L-45 CANAL FROM LYONS RD TO GOLF COURSE RD
CANAL MAINTENANCE & RESTORATION PROJECT (MRP) №: 8500
CROSS SECTIONS

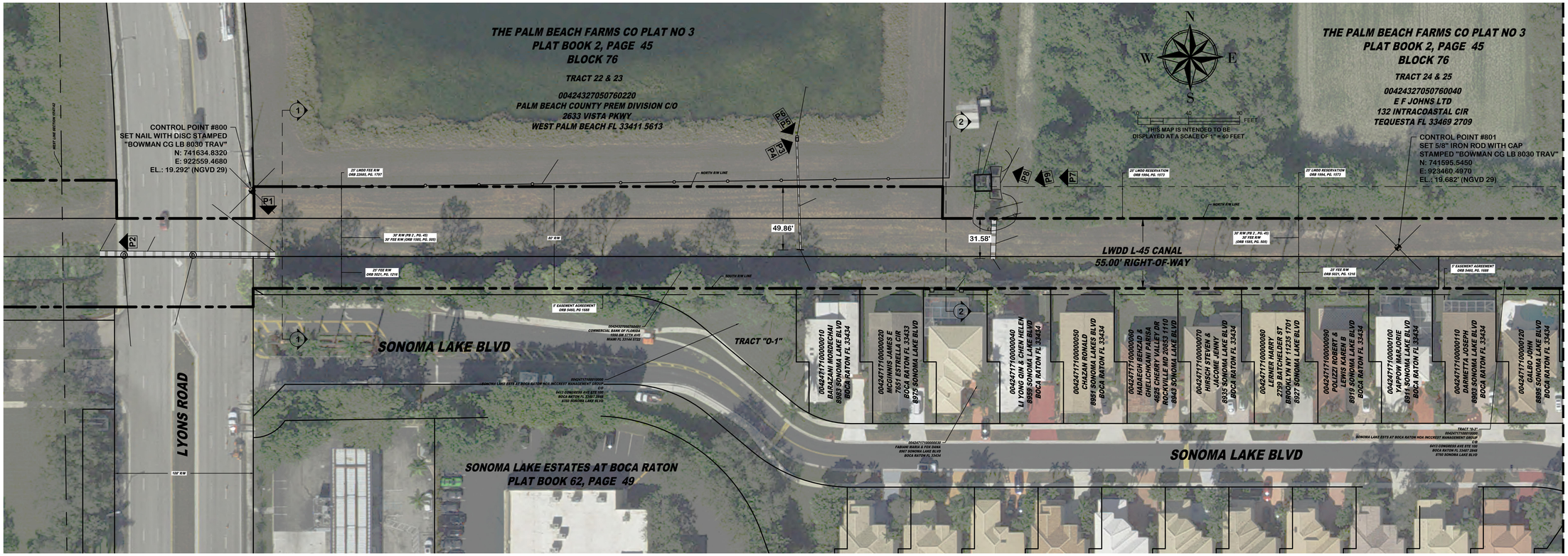
LAKE WORTH DRAINAGE DISTRICT
13081 MILITARY TRAIL
DELRAY BEACH, FLORIDA 33484-1105
PHONE (561) 498-5363 • FAX (561) 495-9694
WWW.LWDD.NET

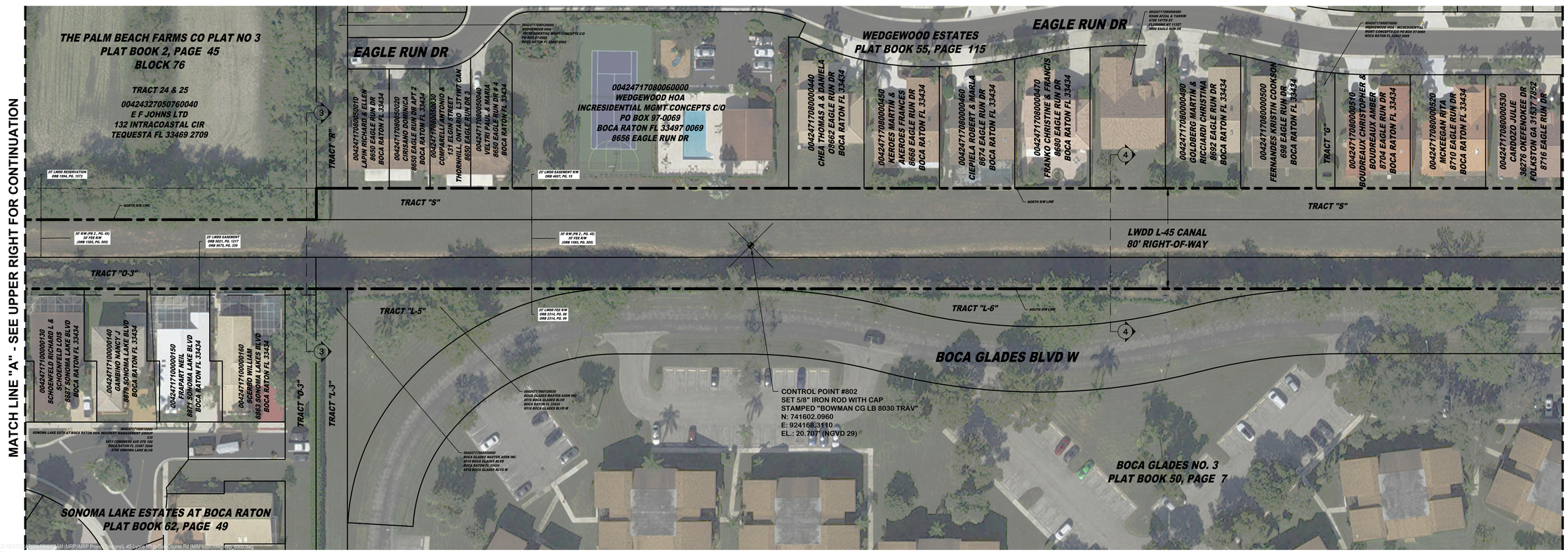
DRAWING INFORMATION:	
DATE:	03/08/2023
SCALE:	N/A
DRAWN BY:	ROBERT WISE
CHECKED BY:	ANTHONY LAS CASAS
CAD FILE:	SEE PLOT STAMP
AERIAL DATE:	YEAR 2023

SHEET №: 1 OF: 5

LWDD PROJECT №:
00-0000X.00

T:\MAINTENANCE RESTORATION PROGRAM (MRP)\MRP Project Designs\L-45 Lyons Rd to Golf Course Rd (MRP8500)\dwg\mrp_8500.dwg
03/08/23 10:34 RW





REVISIONS:

No:	DATE:	DESCRIPTION:	BY:

LWDD L-45 CANAL FROM LYONS RD TO GOLF COURSE RD
CANAL MAINTENANCE & RESTORATION PROJECT (MRP) №: 8500
CROSS SECTIONS

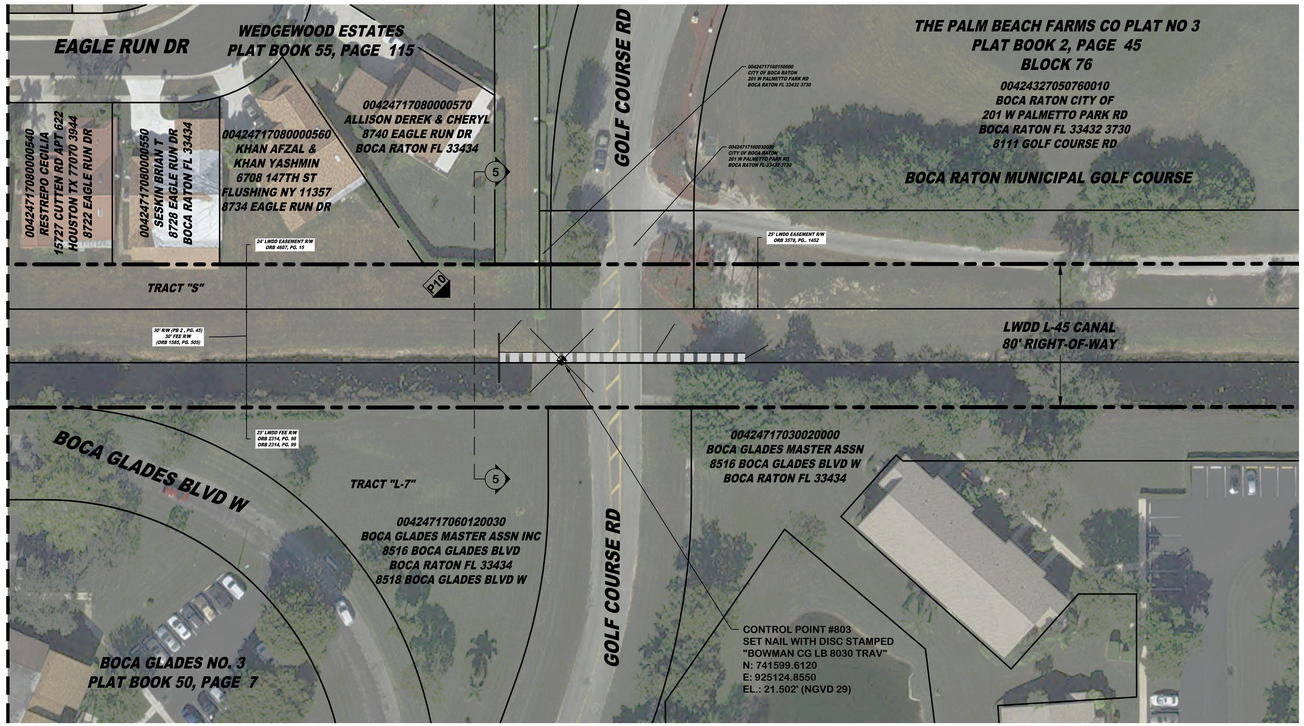
LAKE WORTH DRAINAGE DISTRICT
13081 MILITARY TRAIL
DELRAY BEACH, FLORIDA 33484-1105
PHONE (561) 498-5363 • FAX (561) 495-9684
WWW.LWDD.NET

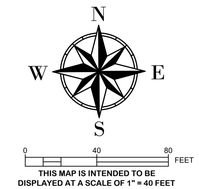
DRAWING INFORMATION:	
DATE:	03/06/2025
SCALE:	1:40
DRAWN BY:	ROBERT WISE
CHECKED BY:	ANTHONY LAS CASAS
CAD FILE:	SEE PLOT STAMP
AERIAL DATE:	YEAR 2023

SHEET №: 2 OF: 5

LWDD PROJECT №: 00-0000X.00

MATCH LINE "B" - SEE SHEET 2 FOR CONTINUATION





THIS MAP IS INTENDED TO BE DISPLAYED AT A SCALE OF 1" = 40 FEET

PHOTOGRAPH 1
LOOKING SOUTH AT 60" CMP AT EAST SIDE OF LYONS ROAD

PHOTOGRAPH 2
LOOKING WEST AT 60" CMP AT WEST SIDE OF LYONS ROAD

PHOTOGRAPH 3
LOOKING DOWN AT CONTROL STRUCTURE

PHOTOGRAPH 4
LOOKING DOWN AT CONTROL STRUCTURE

PHOTOGRAPH 5
LOOKING DOWN AT CONTROL STRUCTURE - NORTH SIDE

PHOTOGRAPH 6
LOOKING DOWN AT CONTROL STRUCTURE - NORTH SIDE

PHOTOGRAPH 7
LOOKING WEST AT OLD CONCRETE BLOCK STRUCTURE

PHOTOGRAPH 8
LOOKING NORTHWEST AT OLD DRAINAGE STRUCTURE

PHOTOGRAPH 9
LOOKING SOUTHWEST AT OLD DRAINAGE STRUCTURE

PHOTOGRAPH 10
LOOKING SOUTHEAST AT HEADWALL ON WEST SIDE OF GOLF COURSE ROAD

T:\MAINTENANCE RESTORATION PROGRAM (MRP)\MRP Project Designs\L-45 Lyons Rd to Golf Course Rd (MRP8500)\dwg\mrp_8500.dwg
03/06/25 12:04 PM

REVISIONS:		
No:	DATE:	DESCRIPTION:	BY:

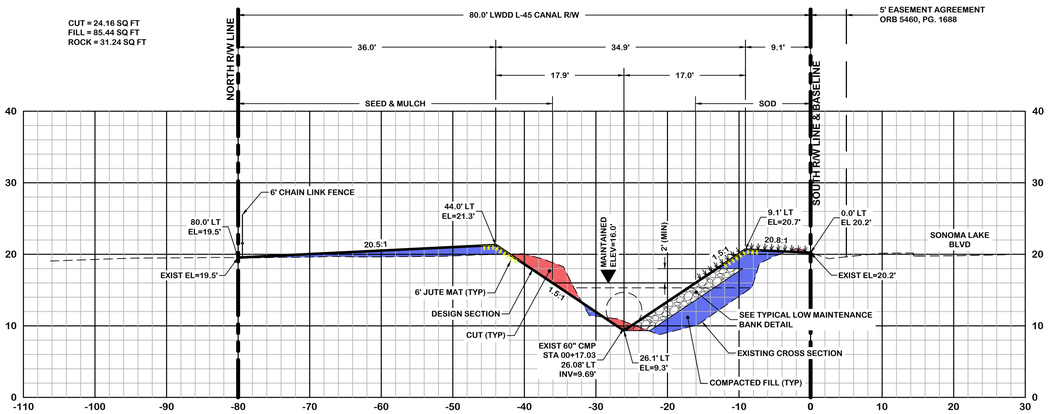
LWDD L-45 CANAL FROM LYONS RD TO GOLF COURSE RD
CANAL MAINTENANCE & RESTORATION PROJECT (MRP) №: 8500
CROSS SECTIONS

LAKE WORTH DRAINAGE DISTRICT
13081 MILITARY TRAIL
DELRAY BEACH, FLORIDA 33484-1105
PHONE (561) 498-5363 • FAX (561) 495-9694
WWW.LWDD.NET

DRAWING INFORMATION:	
DATE:	03/06/2025
SCALE:	1:40
DRAWN BY:	ROBERT WISE
CHECKED BY:	ANTHONY LAS CASAS
CAD FILE:	SEE PLOT STAMP
AERIAL DATE:	YEAR 2023

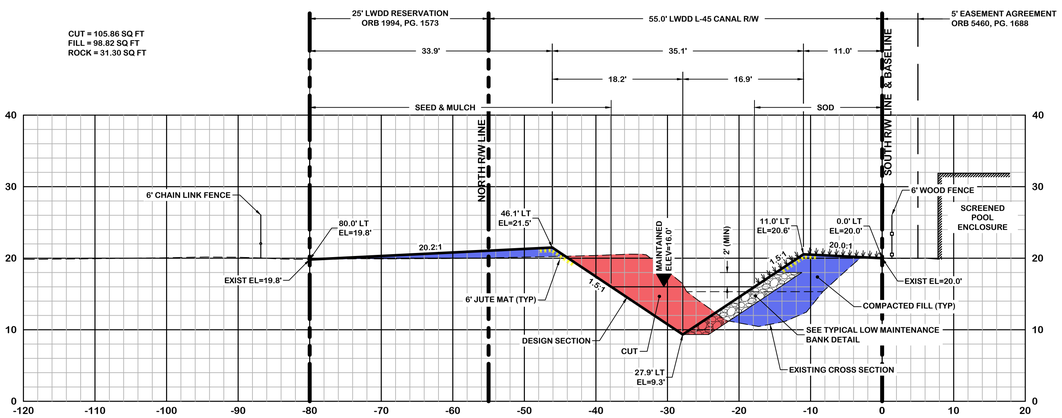
SHEET №: 3 OF: 5

LWDD PROJECT №:
00-0000X.00



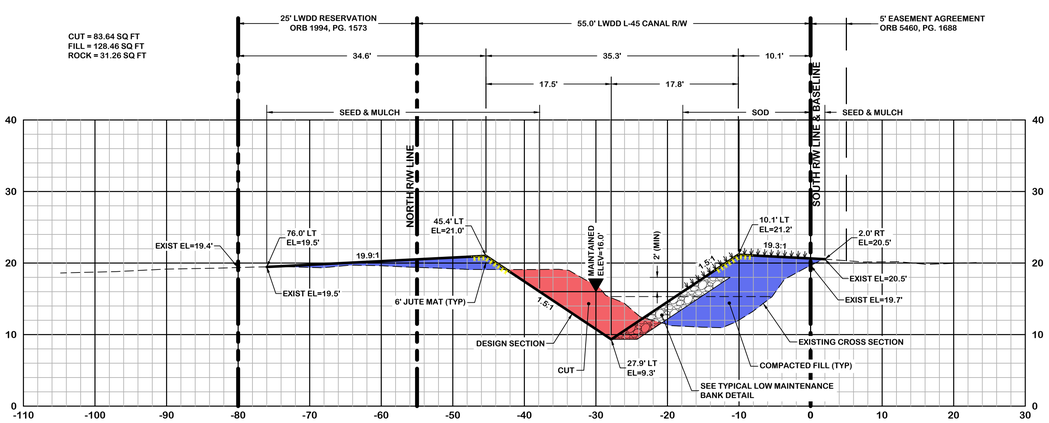
EXISTING CANAL CROSS SECTION #1 (STA 00+22.90)

CROSS SECTION LOOKING EAST
SCALE: 1" = 10' (H&V)



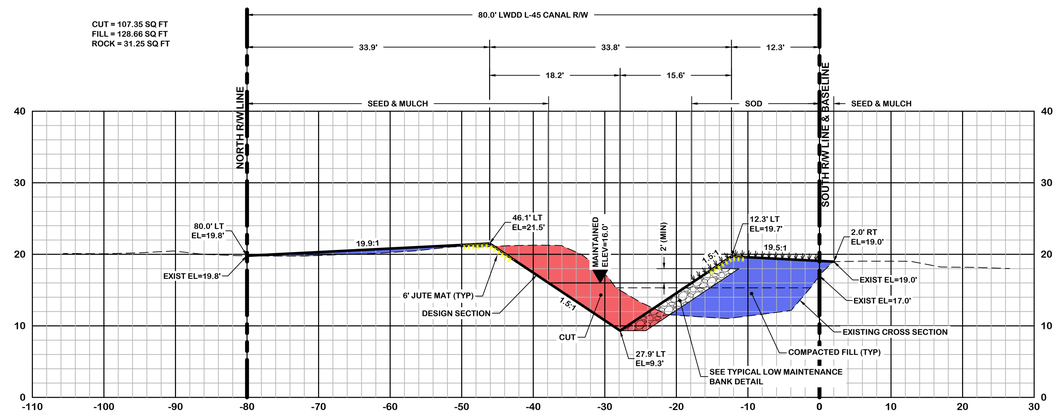
EXISTING CANAL CROSS SECTION #2 (STA 05+44.58)

CROSS SECTION LOOKING EAST
SCALE: 1" = 10' (H&V)



EXISTING CANAL CROSS SECTION #3 (STA 12+53.98)

CROSS SECTION LOOKING EAST
SCALE: 1" = 10' (H&V)



EXISTING CANAL CROSS SECTION #4 (STA 18+94.28)

CROSS SECTION LOOKING EAST
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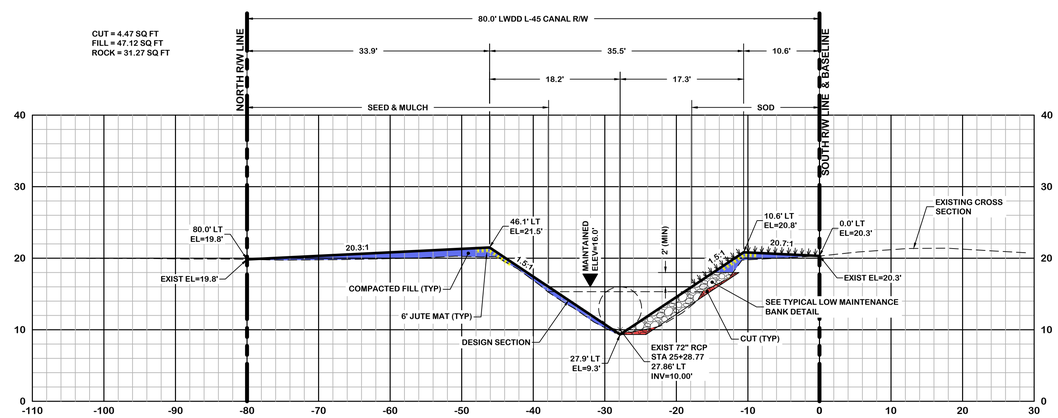


EXISTING CANAL CROSS SECTION #5 (STA 25+15.44)

CROSS SECTION LOOKING EAST
SCALE: 1" = 10' (H&V)

NOTES:

1. ALL EXISTING CANAL WATER ELEVATIONS LOCATED ON JANUARY 30, 2024.
2. ALL ELEVATIONS SHOWN ARE BASED ON THE NGVD 1929 VERTICAL DATUM.

REVISIONS:			
No:	DATE:	DESCRIPTION:	BY:

LWDD L-45 CANAL FROM LYONS RD TO GOLF COURSE RD
CANAL MAINTENANCE & RESTORATION PROJECT (MRP) №: 8500
CROSS SECTIONS

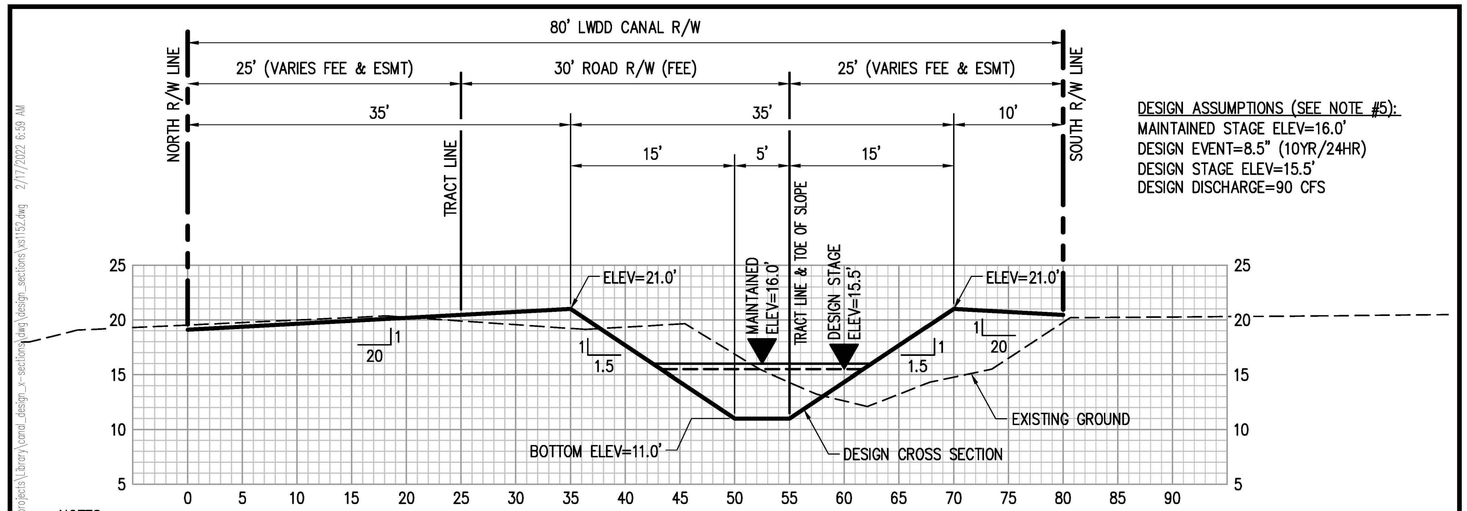
LAKE WORTH DRAINAGE DISTRICT
13081 MILITARY TRAIL
DELRAY BEACH, FLORIDA 33484-1105
PHONE (561) 498-5363 • FAX (561) 495-9694
WWW.LWDD.NET

DRAWING INFORMATION:	
DATE:	04/03/2024
SCALE:	1:10
DRAWN BY:	BOB WISE
CHECKED BY:	TONY LAS CASAS
CAD FILE:	SEE PLOT STAMP
AERIAL DATE:	NA

SHEET №: 4 OF: 5

LWDD PROJECT №: MRP8500

T:\MAINTENANCE RESTORATION PROGRAM (MRP)\MRP Project Designs\L-45 Lyons Rd to Golf Course Rd (MRP8500)\dwg\mrp_8500.dwg 3/6/2025 12:04 PM



DESIGN ASSUMPTIONS (SEE NOTE #5):
MAINTAINED STAGE ELEV=16.0'
DESIGN EVENT=8.5" (10YR/24HR)
DESIGN STAGE ELEV=15.5'
DESIGN DISCHARGE=90 CFS

NOTES:

1. ALL ELEVATIONS SHOWN HEREON ARE **NGVD 1929**, UNLESS OTHERWISE NOTED.
2. THIS CANAL DESIGN SECTION IS FOR INSPECTION PURPOSES ONLY. IT MAY NOT DEPICT ALL OF LAKE WORTH DRAINAGE DISTRICT'S RIGHT-OF-WAY INTERESTS.
3. THE PERMITTEE WILL COORDINATE WITH THE LAKE WORTH DRAINAGE DISTRICT'S ENGINEERING DEPARTMENT PRIOR TO WORKING WITHIN THE DISTRICT'S RIGHT-OF-WAY.
4. FILL MATERIAL FROM THE CANAL MAY NOT BE RELIED ON FOR SITE WORK.
5. THE DESIGN ASSUMPTIONS SHOWN HEREON ARE DERIVED FROM THE LWDD PUBLIC FACILITIES REPORT AS REVISED IN 1996.

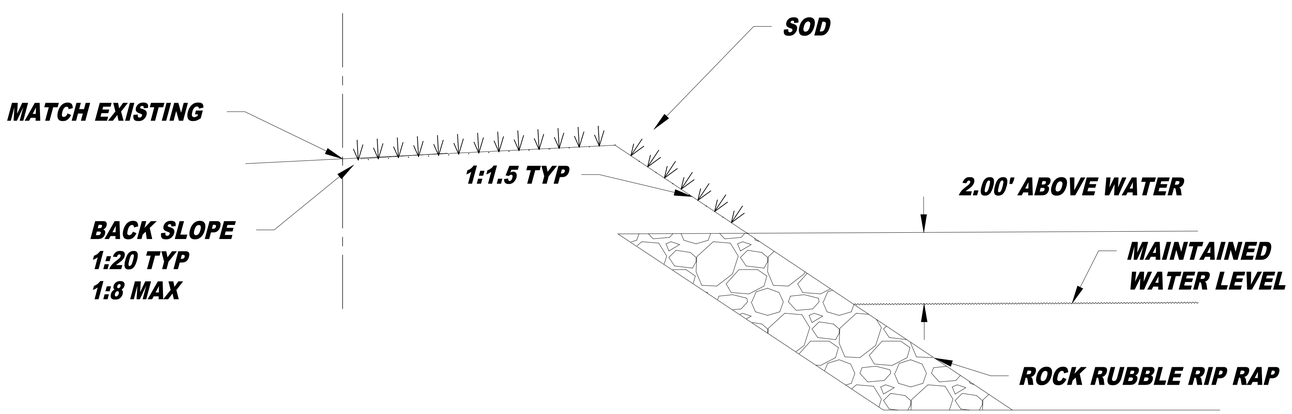
LWDD L-45 CANAL
CROSS SECTION LOOKING EAST
SCALE: 1" = 10' (H&V)

LWDD L-45 CANAL • CANAL DESIGN CROSS SECTION
FROM LYONS ROAD TO ±290 FEET WEST OF THE LWDD E-2W CANAL
LWDD PROJECT №: RI-18-0028 & RI-22-0022

LAKE WORTH DRAINAGE DISTRICT
13081 MILITARY TRAIL
DELRAY BEACH, FLORIDA 33484-1105
PHONE (561) 498-5363 FAX (561) 495-9694
WWW.LWDD.NET

DESIGN CROSS SECTION №: 1152

DATE:	02/05/2022
CAD DRAWING BY:	BOB WISE
RIGHT-OF-WAY CHECKED BY:	DAVID BENDS
ENGINEERING CHECKED BY:	BRIAN TILLES



REVISIONS:

№:	DATE:	DESCRIPTION:	BY:

LWDD L-45 CANAL FROM LYONS RD TO GOLF COURSE RD
CANAL MAINTENANCE & RESTORATION PROJECT (MRP) №: 8500
CROSS SECTIONS

LAKE WORTH DRAINAGE DISTRICT
13081 MILITARY TRAIL
DELRAY BEACH, FLORIDA 33484-1105
PHONE (561) 498-5363 • FAX (561) 495-9694
WWW.LWDD.NET

DRAWING INFORMATION:

DATE:	04/03/2024
SCALE:	NOTED
DRAWN BY:	BOB WISE
CHECKED BY:	TONY LAS CASAS
CAD FILE:	SEE PLOT STAMP
AERIAL DATE:	NA

SHEET №: 5 OF: 5

LWDD PROJECT №:
MRP8500