

# COCO BAY HURRICANE IAN RECOVERY

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IRRIGATION PHASE I

5/4/2024

# COCO BAY IRRIGATION-PHASE I

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- Objective:
  - Restore Irrigation to the East Side of Coco Bay
- Steps to Objective:
  - Phase Approach Starting with Track K & H -1,202+- feet
  - Evaluate replacement vs repair of PVC existing water lines
  - Determine the cost to install 1,960 +-feet of water lines
  - Irrigation consists of :
    - Water source
    - Water line
    - Drip line
    - Water connection from water line to drip line

# COCO BAY IRRIGATION-PHASE I

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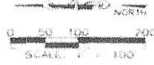
- Scope of Work:
  - Determine water source – for tracks K & H
  - Combination of water from lake 2 & aquifer( current source)
  - Determine water line material –PVC or alternative –buried
  - Determine drip material – Polyethylene Drip Irrigation Tubing
  - Determine material between water line to drip line swing /funny pipe
  - Determine number of connections between water line & drip line
  - Modify pump 3 & Electrical Cabinet

# Map of East side Irrigation Plan

PLAT BOOK 76 PAGE 45

SHEET 2 OF 5

**JOHNSON**  
ENGINEERING  
PREPARED BY  
JOHNSON ENGINEERING, INC.  
5110 JOHNSON STREET  
FORT MYERS, FLORIDA 33902



## COCO BAY A SUBDIVISION IN SECTION 6, TOWNSHIP 46 SOUTH, RANGE 24 EAST LEE COUNTY, FLORIDA

1,960+- +- feet from lot 99 to Lot 63

Pump 3 & Electrical Cabinet

Lot K	432.00 +-
Lot H	768.00 +-
Balance	760.00 +-
Total Feet	1,960.00 +-



LEGEND	
TRACTS	
IK	= LAKE
RD	= ROAD RIGHT OF WAY
MF	= MULTI FAMILY
FOB	= POINT OF BEGINNING
POB	= POINT OF COMMENCEMENT
DESC	= DESCRIPTION
PB	= PLAT BOOK
OR	= OFFICIAL RECORD BOOK
PG	= PAGE
R	= RADIUS
Δ	= DELTA ANGLE
CB	= CHORD BEARING
CHORD	= CHORD
ARC	= ARC LENGTH
CONV	= CONVERSION
LME	= LAKE MAINTENANCE EASEMENT
DE	= DRAINAGE EASEMENT
AE	= ACCESS EASEMENT
LE	= LANDSCAPE EASEMENT
PUE	= PUBLIC UTILITY EASEMENT
---	= MATCH LINE

### NOTES

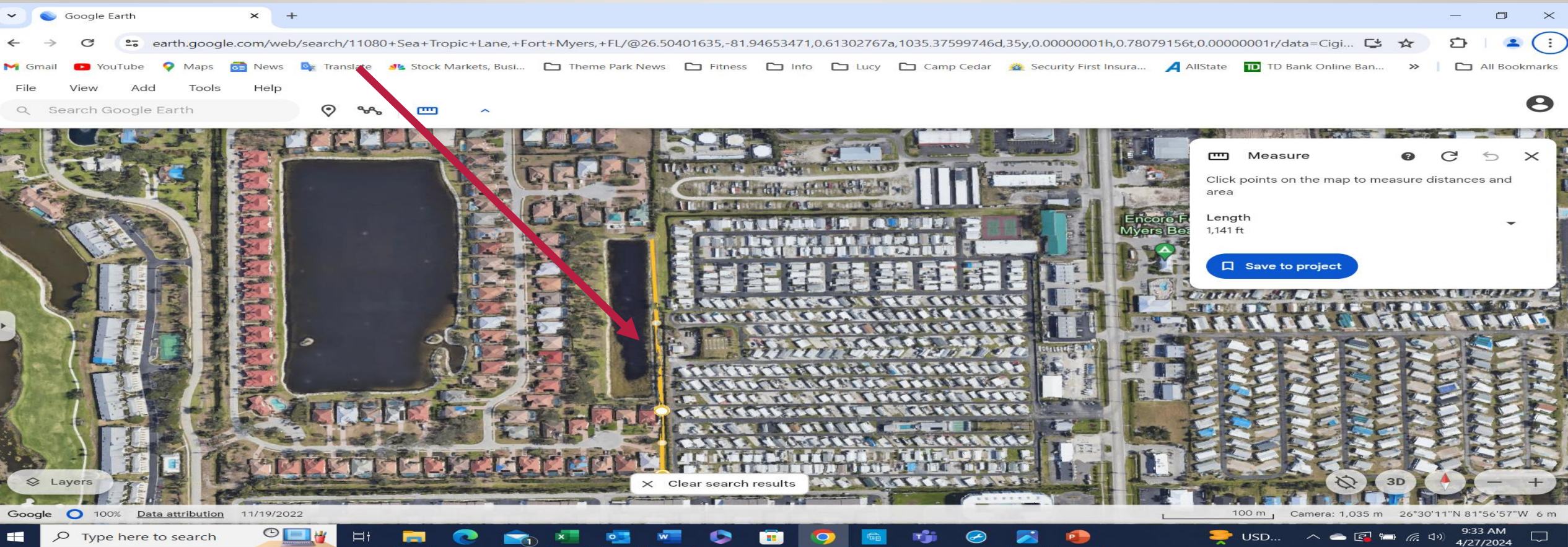
1. PERMANENT REFERENCE MONUMENTS (P.R.M.'S) ARE 4"x4" CONCRETE MONUMENTS WITH METAL DISKS SET IN THE TOP STAMPED "JOHNSON ENGINEERING, INC. PRM LB 642" (UNLESS OTHERWISE NOTED).
2. PERMANENT CONTROL POINTS (P.C.P.'S) ARE METAL MARKERS STAMPED "COP LB 642" AND ARE TO BE SET IN ACCORDANCE WITH CHAPTER 177.091 OF THE FLORIDA STATUTES.
3. ALL CURVES INDICATED ARE CIRCULAR.
4. BEARINGS SHOWN HEREIN ARE PLANE COORDINATE FOR THE FLORIDA WEST ZONE, NAD 1983 (1980 ADJUSTMENT).
5. INTERNAL MONUMENTATION IS TO BE SET IN ACCORDANCE WITH CHAPTER 177.091 OF THE FLORIDA STATUTES.
6. ALL DIMENSIONS SHOWN ARE IN FEET AND DECIMALS THEREOF.
7. THE ROADWAY TRACT (RD-1) IS AN INGRESS/EGRESS, DRAINAGE AND UTILITY EASEMENT.
8. LAKE TRACT LINES SHOWN HEREIN DO NOT REPRESENT THE LA CONTROL ELEVATION AS DESIGNED AND DO NOT REPRESENT THE LAKES AS MAY BE CONSTRUCTED.

Pump 4 & Electrical Cabinet



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Lot K and H-- 1,200+- feet





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- Next Steps
  - Cost estimate :
    - Request proposals from 3 Irrigation companies
    - Install 1,960+- & 1,200+- feet of PVC pipe buried
    - Install 3,920+- & 2,400 feet of drip line- located on Hedges
    - Install connection from PVC pipe to drip line
    - Connect PVC lines to water sources
    - Modify pump 3 & Electrical control panel

# COCO BAY IRRIGATION-PHASE I

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- Proposals: Quotes to be determined
  - Vendor 1
  - Vendor 2
  - Vendor 3
  - Materials & volunteer labor



# COCO BAY IRRIGATION-PHASE I LOCATION AREA

PCV Pipe





# COCO BAY IRRIGATION-PHASE I

## MATERIALS FOR WATER SOURCE

Drip Line

Connection from PCV  
to drip line-funny pipe





# COCO BAY IRRIGATION-PHASE I

## POSSIBLE VENDORS

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- Aquamatics. 239-253-1133 ( recommended by Rocky from The Landings).Ask for Mike Sidluski
- Stahlmam & England ( recommended by Eugene of Verona Walk)
- Brightview ( recommended by Babcock Ranch) 239-234-6638
- Pelican Mike-239-567-0007
- Tropical Maintenance-Sean 239-896-6408
- Everyday Landscaping & SW Florida Irrigation Services , FM 239-208 5310