4-127-0192AG

1723

56

Oversized Drawings

1723

SINGLE FAMILY RESIDENTIAL DISTRICT

R-1
R-1A
R-1B
R-2
R-2A
R-2B
R-3

MULTI-FAMILY DISTRICT 1

R-4
R-5
R-5A

MOBILE HOME PARK DISTRICT

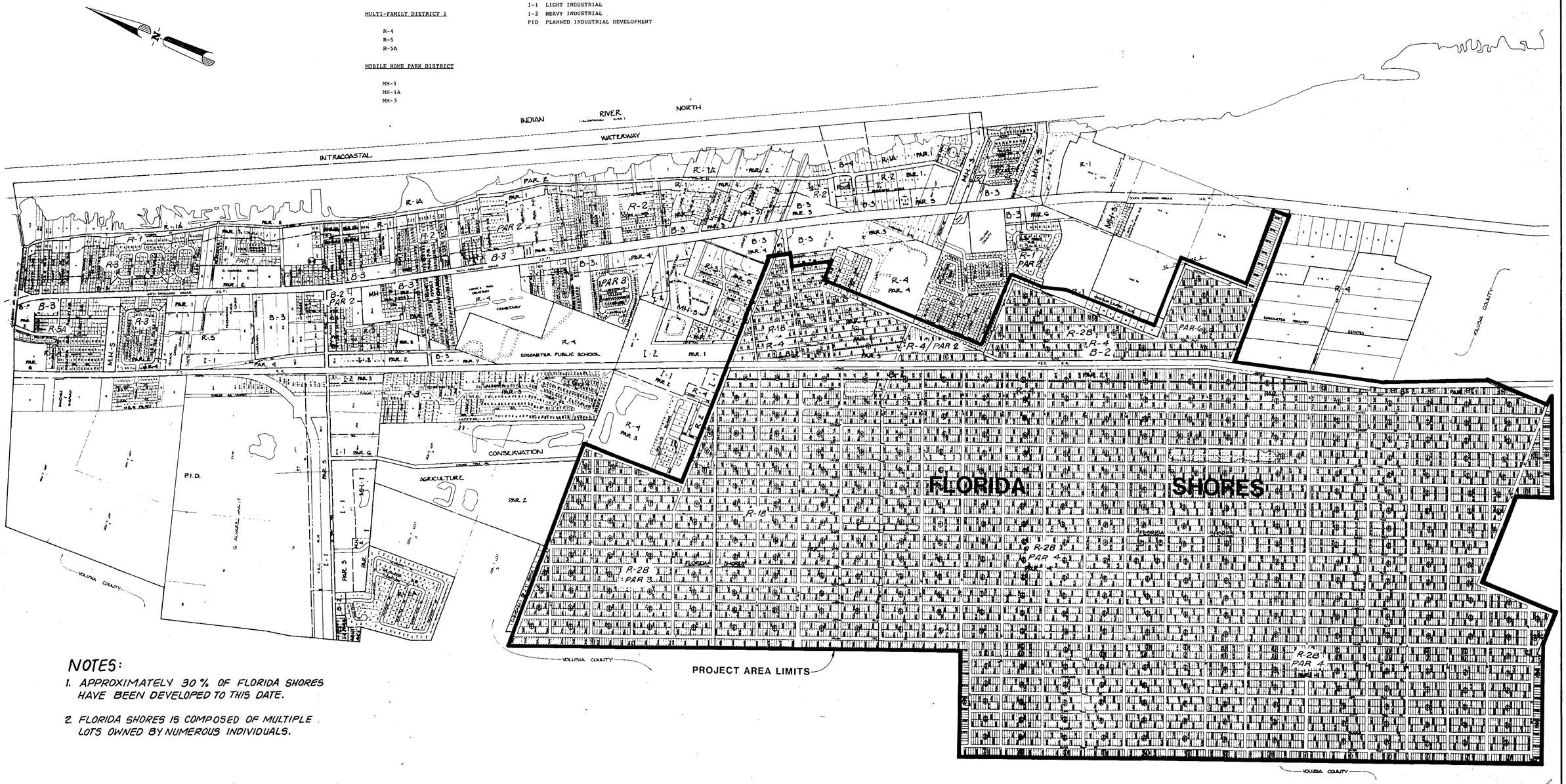
MH-1
MH-1A
MH-3

BUSINESS DISTRICT

B-2 NEIGHBORHOOD BUSINESS
B-3 HIGHWAY COMMERCIAL
B-4 TOURIST ORIENTED COMMERCIAL
B-5 PLANNED SHOPPING CENTER

INDUSTRIAL DISTRICT

I-1 LIGHT INDUSTRIAL
I-2 HEAVY INDUSTRIAL
PID PLANNED INDUSTRIAL DEVELOPMENT



NOTES:

1. APPROXIMATELY 30 % OF FLORIDA SHORES HAVE BEEN DEVELOPED TO THIS DATE.

2. FLORIDA SHORES IS COMPOSED OF MULTIPLE LOTS OWNED BY NUMEROUS INDIVIDUALS.

EXHIBIT M

DATE	REVISIONS	REVISED BY	CHECKED BY

DYER, RIDDLE, MILLS & PRECOURT, INC.
ENGINEERS • SURVEYORS • SCIENTISTS • PLANNERS

DESIGNED BY | DRAWN BY | CHECKED BY | APPROVED BY

LAND USE MAP

CITY OF EDGEWATER

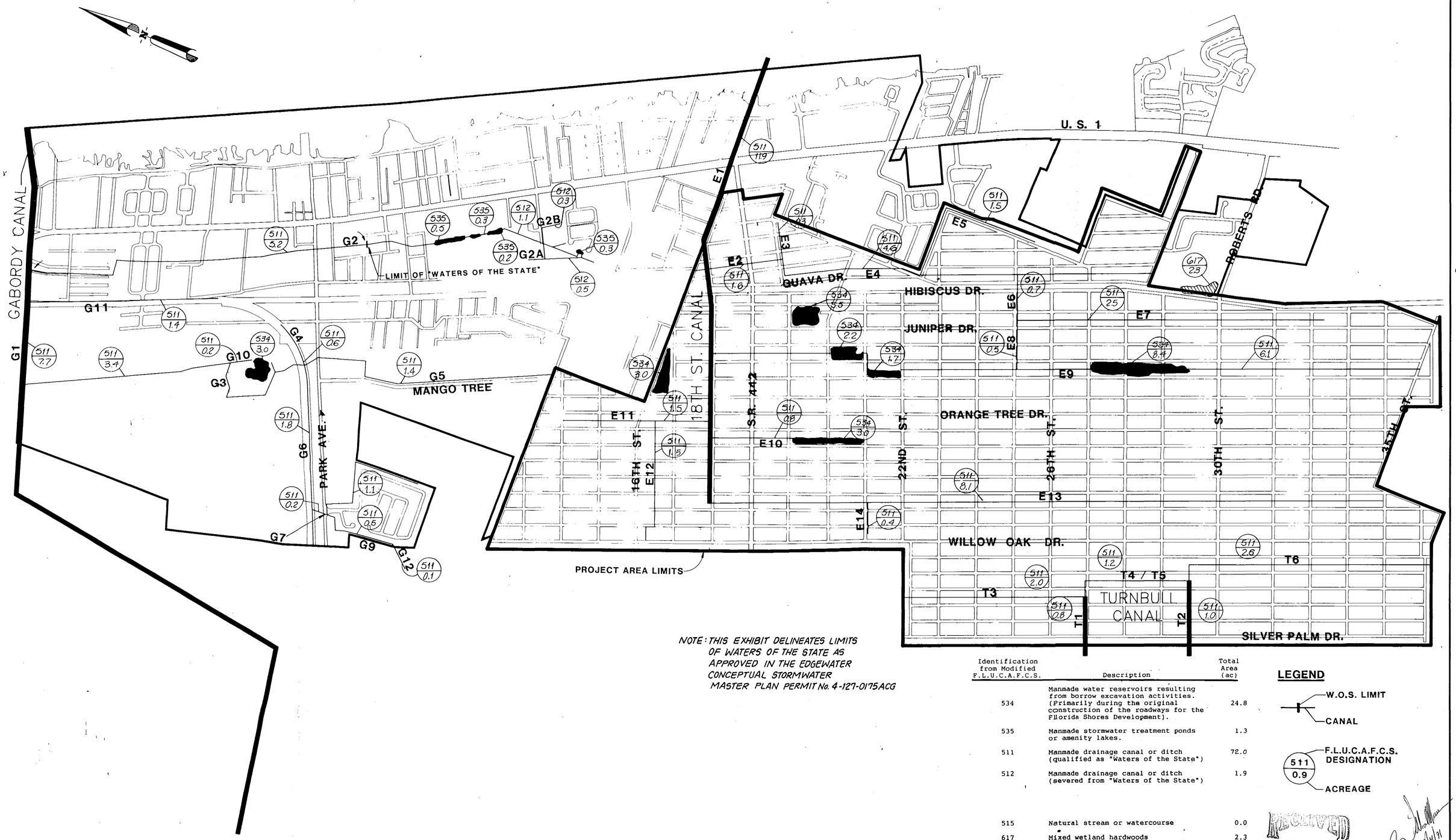
VOLUSIA COUNTY, FLORIDA

PROJECT NO. 87-400.17
DATE JULY, 1990
SCALE 1"-800'
SHEET 1 OF 1

RECEIVED MAR 06 1991 RECORDS ORLANDO

4117-0192AG

MAR 04 1991



NOTE: THIS EXHIBIT DELINEATES LIMITS OF WATERS OF THE STATE AS APPROVED IN THE EDGEWATER CONCEPTUAL STORMWATER MASTER PLAN PERMIT No. 4-127-0175ACG

Identification from Modified F.L.U.C.A.F.C.S.	Description	Total Area (ac)
534	Manmade water reservoirs resulting from borrow excavation activities. (Primarily during the original construction of the roadways for the Florida Shores Development).	24.8
535	Manmade stormwater treatment ponds or amenity lakes.	1.3
511	Manmade drainage canal or ditch (qualified as "Waters of the State")	72.0
512	Manmade drainage canal or ditch (severed from "Waters of the State")	1.9
515	Natural stream or watercourse	0.0
617	Mixed wetland hardwoods	2.3

LEGEND

W.O.S. LIMIT

CANAL

511 / 0.9 — F.L.U.C.A.F.C.S. DESIGNATION / ACREAGE

RECEIVED
MAR 06 1991
4-127-0192AG
RECORDS
ORLANDO

3/4/91

EXHIBIT I

DATE	REVISIONS	REVISED BY	CHECKED BY
12/6/90	LIMITS OF W.O.S. PER S.J.R.W.M.D. ACREAGE OF WETLANDS		

CADD	NAME	DATE
DESIGNED BY		
DRAWN BY		
CHECKED BY		
APPROVED BY		
CADD FILE NAME	87400EX1	

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JACKSONVILLE • 9424 BAYMEADOWS ROAD • SUITE 130 • JACKSONVILLE, FLORIDA 32256

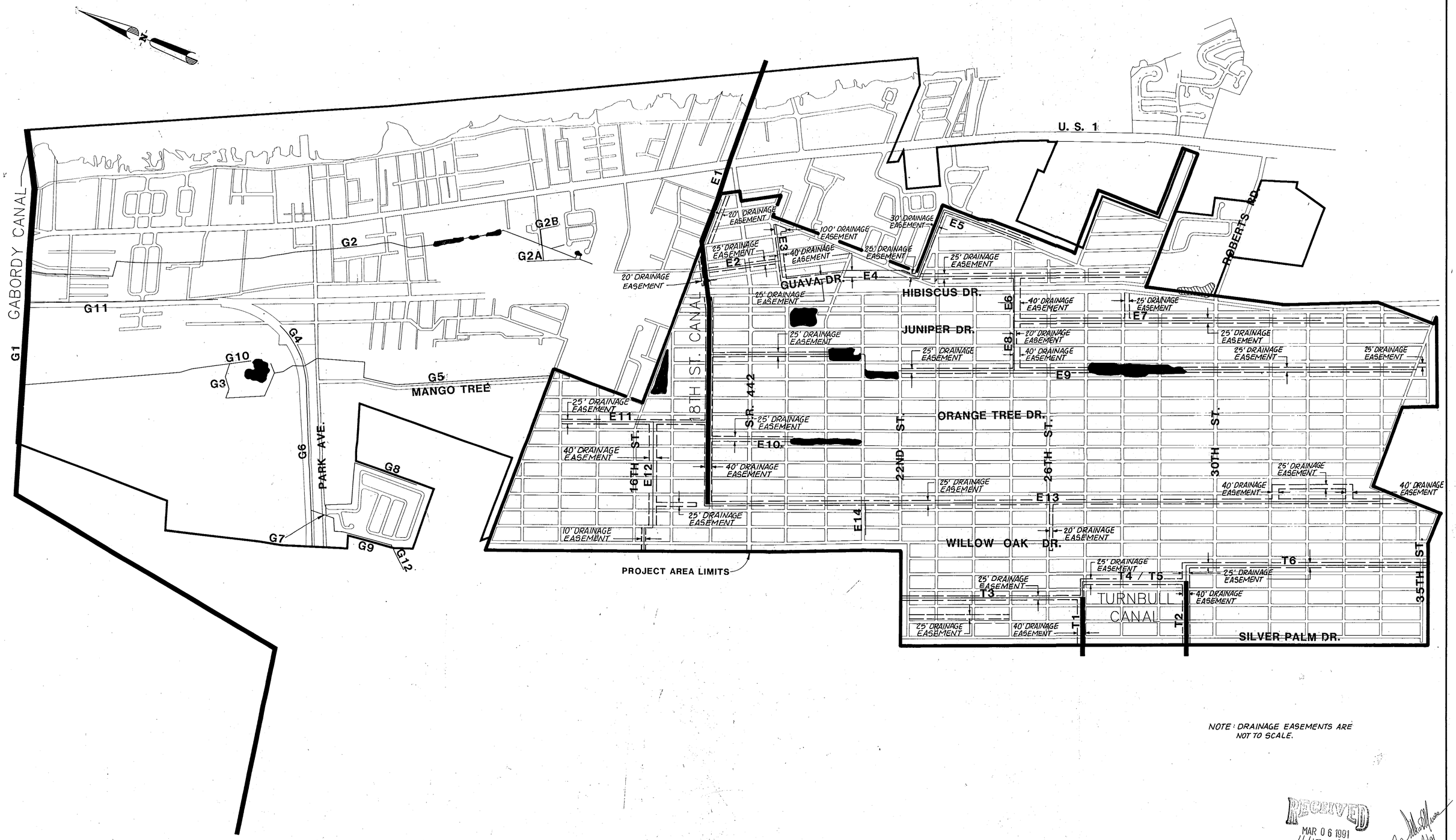
EXISTING WETLANDS AND WATERBODIES

CITY OF EDGEWATER

VOLUSIA COUNTY, FLORIDA

PROJECT NO. 87400.17
DATE: JULY 1990
SCALE: 1" = 800'
SHEET 1 OF 1

MAR 04 1991



NOTE: DRAINAGE EASEMENTS ARE NOT TO SCALE.

RECEIVED
MAR 06 1991
4117-0192 AG
RECORDS
ORLANDO

EXHIBIT G

DATE	REVISIONS	REVISED BY	CHECKED BY

CADD	NAME	DATE
DESIGNED BY		
DRAWN BY		
CHECKED BY		
APPROVED BY		
CADD FILE NAME	87400EX1	

DYER, RIDDLE, MILLS & PRECOURT, INC.
ENGINEERS • SURVEYORS • SCIENTISTS • PLANNERS
ORLANDO • 1505 EAST COLONIAL DRIVE • P.O. BOX 538505 • ORLANDO, FLORIDA 32853-8505
JACKSONVILLE • 9424 BAYMEADOWS ROAD • SUITE 120 • JACKSONVILLE, FLORIDA 32256

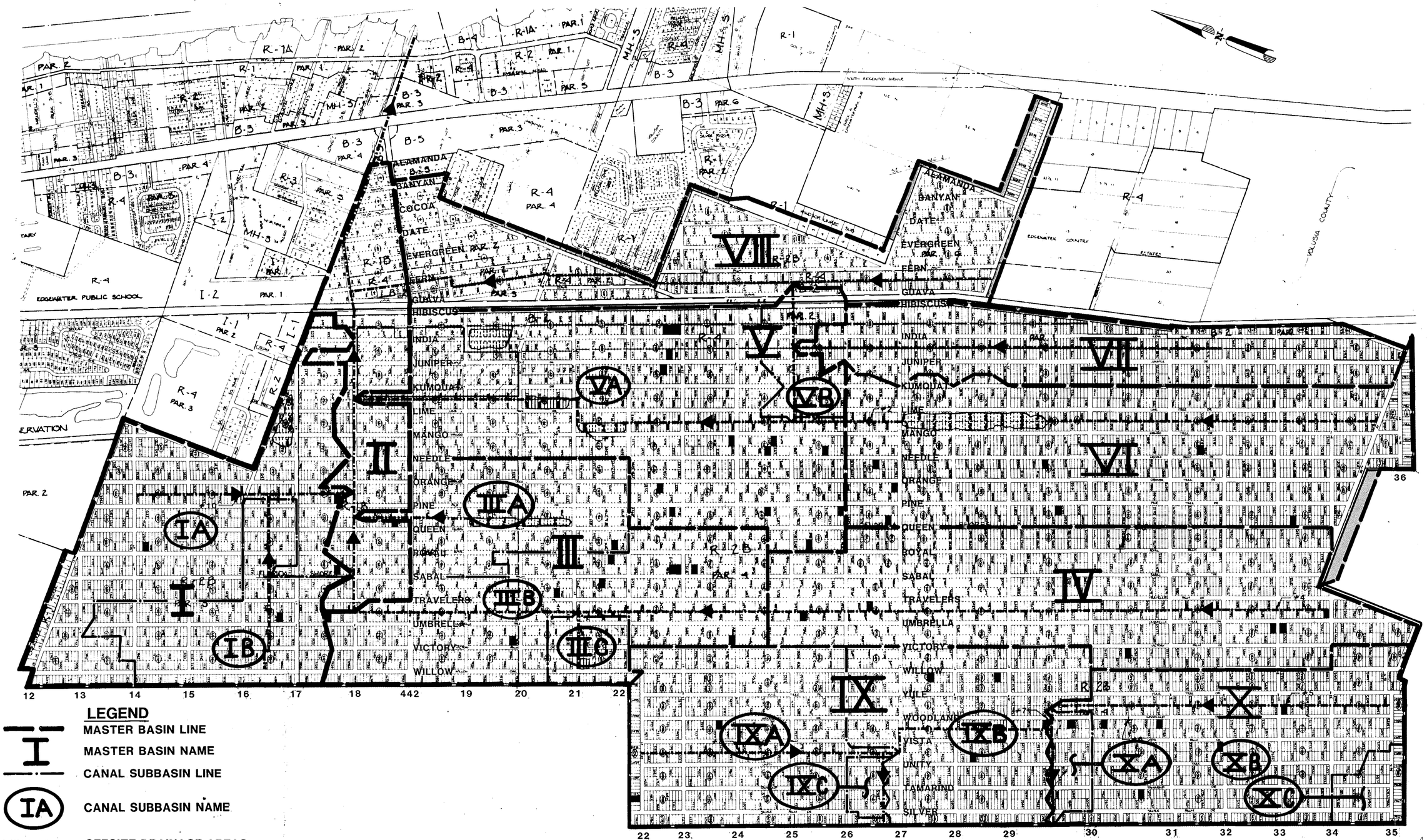
EXISTING DRAINAGE EASEMENTS

CITY OF EDGEWATER

VOLUSIA COUNTY, FLORIDA

PROJECT NO. 87-400.17
DATE: JULY 1990
SCALE: 1" - 800'
SHEET 1 OF 1

MAR 04 1991



LEGEND

- MASTER BASIN LINE
- I — MASTER BASIN NAME
- CANAL SUBBASIN LINE
- IA — CANAL SUBBASIN NAME
- OFFSITE DRAINAGE AREAS
- CANAL LOCATION & DIRECTION OF FLOW

DATE	REVISIONS	REVISED BY	CHECKED BY

FLORIDA SHORES DEVELOPMENT
CITY OF EDGEWATER

EDGEWATER, FLORIDA

DYER, RIDDLE, MILLS AND PRECOURT, INC.
ENGINEERS - SURVEYORS
ORLANDO TAMPA

DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY

RECEIVED
MAR 06 1991
4117-0192AG
RECORDS
ORLANDO

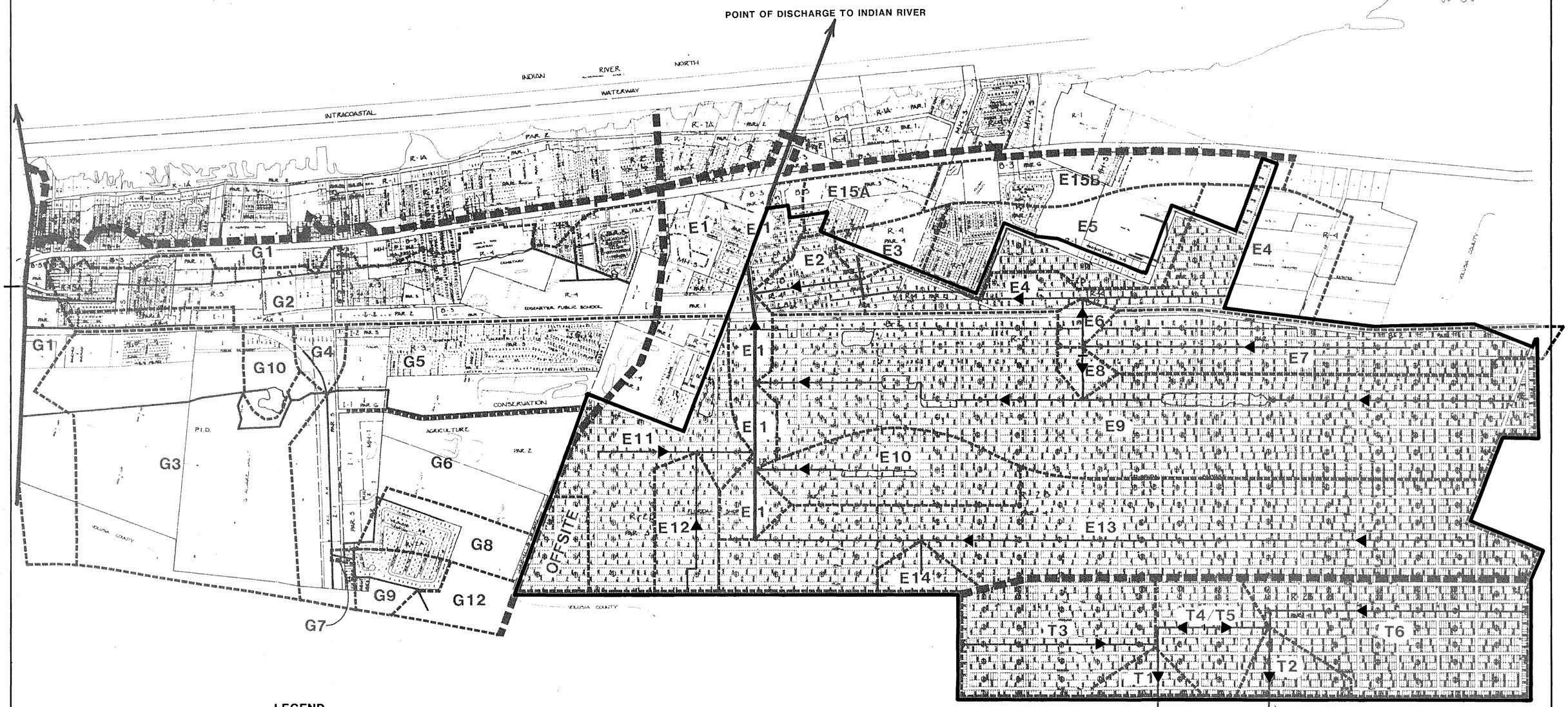
MASTER DRAINAGE BASIN PLAN

VOLUSIA COUNTY, FLORIDA

EXHIBIT F

PROJECT NO.	87-400.17
DATE	NOV, 1990
SCALE	1"-600'
SHEET	1 OF 1

MAR 04 1991



LEGEND

- PROJECT AREA LIMITS
- 18th ST. & TURNBULL HAMMOCK BASIN DIVIDES
- CANAL BASIN DIVIDE
- EXISTING CANAL & FLOW DIRECTION
- E13 CANAL DESIGNATION

DATE	REVISIONS	REVISED BY	CHECKED BY

DYER, RIDDLE, MILLS & PRECOURT, INC.
ENGINEERS • SURVEYORS • SCIENTISTS • PLANNERS

DESIGNED BY | DRAWN BY | CHECKED BY | APPROVED BY

EXISTING CANAL BASINS

CITY OF EDGEWATER

VOLUSIA COUNTY, FLORIDA

EXHIBIT

PROJECT NO. 87-400.17
DATE DEC, 1990
SCALE 1"-800'
SHEET 1 OF 1

RECEIVED MAR 06 1991

4-117-0192AG
RECORDS ORLANDO

MAR 04 1991

INDIAN RIVER NORTH

INDIAN RIVER NORTH BASIN

ZONE A5 EL. 8

ZONE A5 (EL. 8)

ZONE A5

ZONE A3

GABORDY CANAL

ZONE A2

18TH ST. CANAL

ZONE A

PROJECT AREA LIMITS

GABORDY CANAL BASIN

ZONE A

EDGEWATER CITY LIMITS

TURNBULL HAMMOCK BASIN

TURNBULL HAMMOCK

EXHIBIT D

LEGEND & NOTES

- BOUNDARY OF CITY LIMITS (APPROX.)
- PROJECT AREA LIMITS
- BASIN BOUNDARY LINE
- TOPOGRAPHIC CONTOUR BASED ON USGS QUADRANGLES, EDGEWATER & NEW SYMRNA
- NATURAL FLOW DIRECTION
- SUB-BASIN RIDGE
- 100 YEAR FLOOD ZONE BASED ON F.I.R.M. FOR THE CITY OF EDGEWATER, FLORIDA PANELS 1 & 2.

MAR 04 1991

DATE	REVISIONS	REVISED BY	CHECKED BY

CADD	NAME	DATE
DESIGNED BY		
DRAWN BY		
CHECKED BY		
APPROVED BY		
CADD FILE NAME		

DYER, RIDDLE, MILLS & PRECOURT, INC.

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TAMPA - 5402 56TH COMMERCE PARK BOULEVARD • TAMPA, FLORIDA 33610

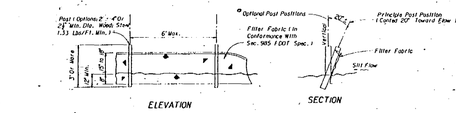
TOPOGRAPHIC AND FLOOD ZONE MAP

CITY OF EDGEWATER

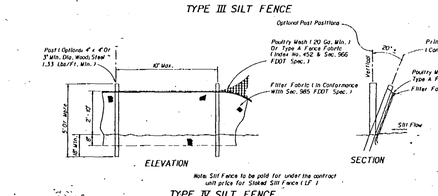
EDGEWATER, FLORIDA

RECEIVED MAR 06 1991 4-17-0193 RECORDS ORLANDO

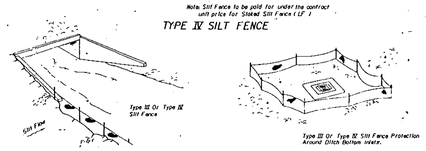
PROJECT NO.	87400.17
DATE	JAN, 1990
SCALE	1"=800'±
SHEET	1 OF 1



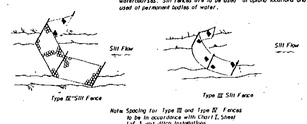
TYPE III SILT FENCE



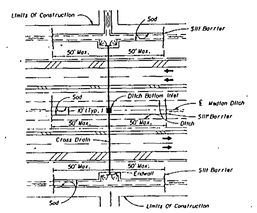
TYPE IV SILT FENCE



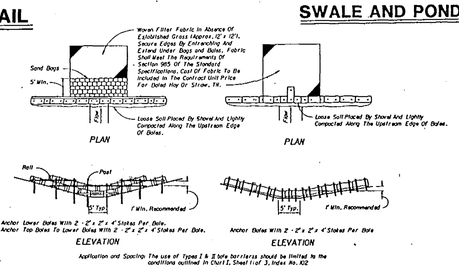
SILT FENCE APPLICATIONS



SILT FENCE DETAIL

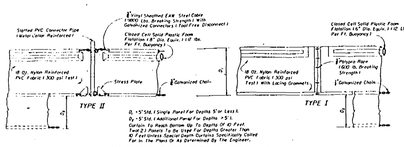


DITCH INSTALLATIONS AT DRAINAGE STRUCTURES

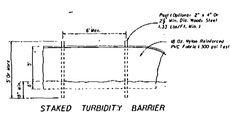


BARRIER FOR UNPAVED DITCHES

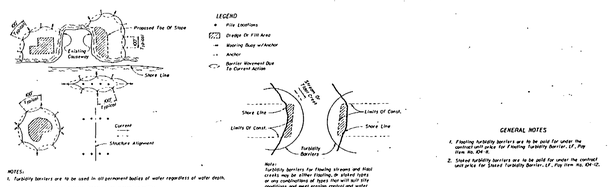
SILT BARRIER DETAIL



FLOATING TURBIDITY BARRIERS

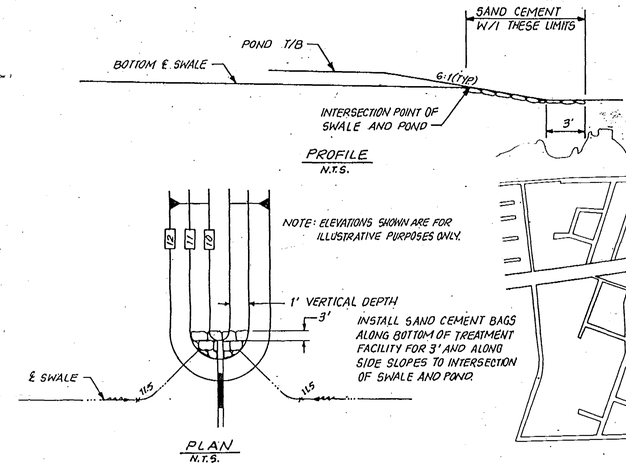


STAKED TURBIDITY BARRIER



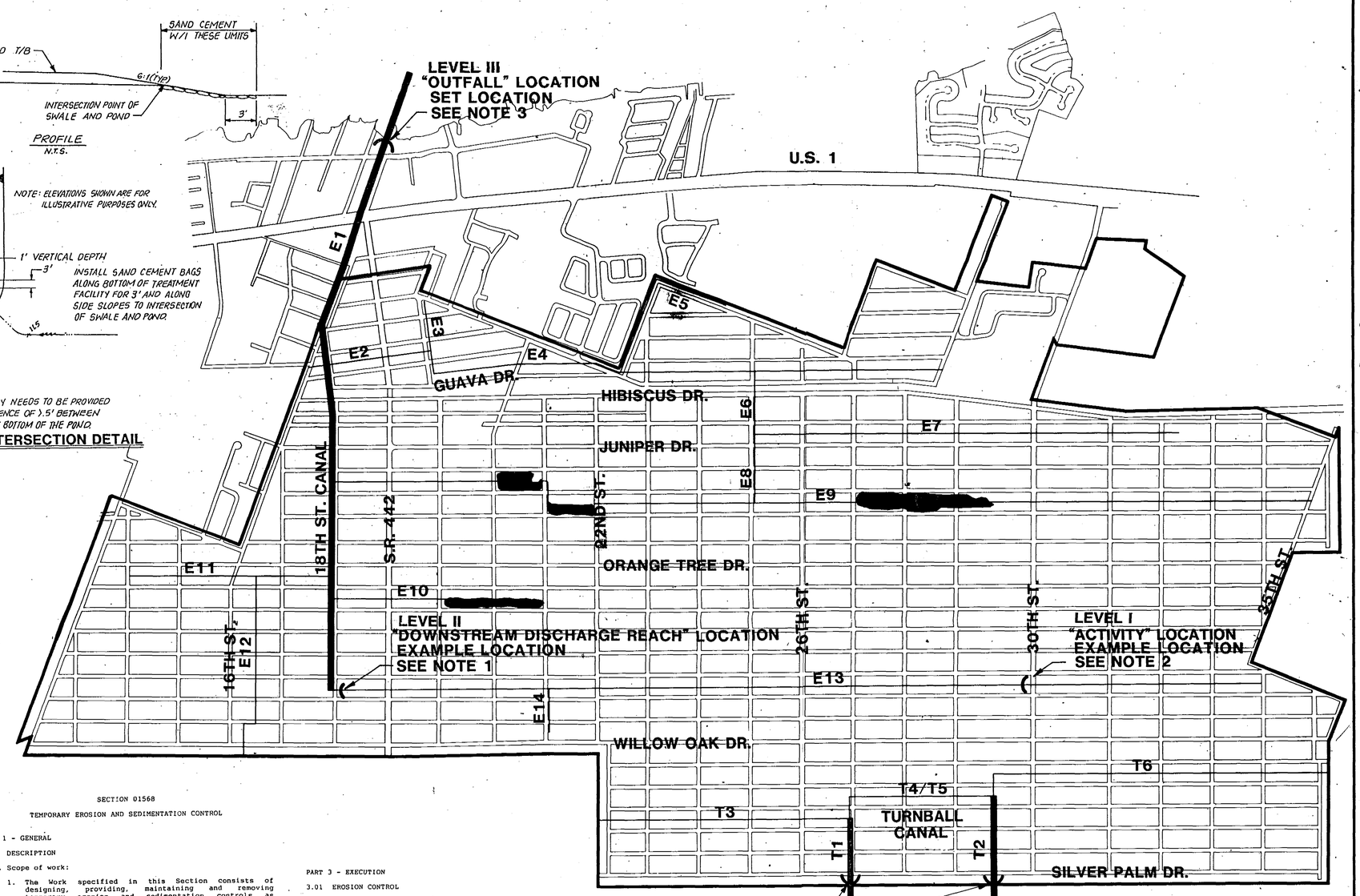
TURBIDITY BARRIER APPLICATIONS

TURBIDITY BARRIER DETAIL



NOTE : THIS EROSION CONTROL ONLY NEEDS TO BE PROVIDED WHERE THERE IS A DIFFERENCE OF).5' BETWEEN THE SWALE CONTOUR AND THE BOTTOM OF THE POND.

SWALE AND POND INTERSECTION DETAIL



NOTE:
ANY DREDGE AND FILL ACTIVITY WITHIN THE CANALS SHALL REQUIRE AS A MINIMUM A LEVEL I, II AND III TURBIDITY CONTROL DEVICE AS DETAILED HEREIN. SEE EXAMPLE ABOVE.

SECTION 01568

TEMPORARY EROSION AND SEDIMENTATION CONTROL

PART 1 - GENERAL

1.01 DESCRIPTION

A. Scope of work:

1. The Work specified in this Section consists of designing, providing, maintaining and removing temporary erosion and sedimentation controls as necessary.

2. Temporary erosion controls include, but are not limited to, grassing, mulching, setting, watering and reseeding on-site surfaces and soil and borrow area surfaces and providing interceptor ditches at ends of berms and at those locations which will ensure that erosion during construction will be either eliminated or maintained within acceptable limits as established by the Owner.

3. Temporary sedimentation controls include, but are not limited to, silt dams, traps, barriers, and appurtenances at the foot of sloped surfaces which will ensure that sedimentation pollution will be either eliminated or maintained within acceptable limits as established by the Owner.

4. Contractor is responsible for providing effective temporary erosion and sediment control measures during construction or until final controls become effective.

PART 2 - PRODUCTS

2.01 EROSION CONTROL

A. Loaming, Seeding, and Mulching: Section 02922.

B. Netting- fabricated of material acceptable to the Owner.

2.02 SEDIMENTATION CONTROL

A. Bales - clean, seed-free cereal hay type.

B. Netting - fabricated of material acceptable to the Owner.

C. Filter stone - crushed stone conformed to Florida Department of Transportation (FDOT) specifications.

PART 3 - EXECUTION

3.01 EROSION CONTROL

A. Minimum procedures for grassing are:

1. Scarify slopes to a depth of not less than six inches and remove large clods, rock, stumps, roots larger than 1/2-inch in diameter and debris.

2. Sow seed within twenty-four (24) hours after the ground is scarified with either mechanical seed drills or rotary hand seeders.

3. Apply mulch loosely and to a thickness of between 3/4-inch and 1 1/2 inches.

4. Apply netting over mulched areas on sloped surfaces.

5. Roll and water seeded areas in a manner which will encourage sprouting of seeds and growing of grass. Reseed areas which exhibit unsatisfactory growth. Backfill and seed eroded areas.

3.02 SEDIMENTATION CONTROL

A. Install and maintain silt dams, traps, barriers, and appurtenances as shown on the approved descriptions and working drawings. Hay bales which deteriorate and filter stone which is dislodged shall be replaced.

3.03 PERFORMANCE

A. Should any of the temporary erosion and sediment control measures employed by the Contractor fail to produce results which comply with the requirements of the State of Florida, the Owner or Engineer, Contractor shall immediately take whatever steps are necessary to correct the deficiency at his own expense.

END OF SECTION

EROSION AND SEDIMENT CONTROL NOTES:

1. A FLOATING TURBIDITY BARRIER FDOT INDEX 103 TYPE 1 OR TYPE 2 SHALL BE LOCATED AT THE "DOWNSTREAM DISCHARGE REACH" PRIOR TO THE COLLECTOR CANAL THROUGHOUT CONSTRUCTION WITHIN ALL REACHES OF THAT CANAL. COLLECTOR CANALS ARE E1, T1 AND T2.

2. A FLOATING OR STAKED TURBIDITY BARRIERS FDOT INDEX 103 SHALL BE LOCATED WITHIN THE REACH WHERE DREDGE AND/OR FILL "ACTIVITIES", CULVERT INSTALLATION, AND POND CONSTRUCTION ADJACENT TO CANALS ARE BEING COMPLETED TO PROVIDE PROTECTION FROM UPSTREAM EROSION.

3. A FLOATING TURBIDITY BARRIER FDOT INDEX 103 TYPE 1 OR TYPE 2 SHALL BE LOCATED AT THE MOST DOWNSTREAM REACH OF THE COLLECTOR CANAL AFFECTED BY THE CONSTRUCTION WITHIN CANALS DISCHARGING TO IT.

4. TYPE III OR TYPE IV FDOT INDEX 102 SILT FENCES SHALL BE PLACED AROUND DITCH BOTTOM INLETS.

5. SILT BARRIERS FDOT TYPE 1 OR TYPE 2 INDEX 102 SHALL BE INSTALLED AT A MAXIMUM DISTANCE OF 50 FEET WITHIN A DRAINAGE STRUCTURE WITHIN THE PROPOSED PONDS AND DITCHES.

6. SILT BARRIERS FDOT TYPE 1 OR TYPE 2 INDEX 102 SHALL BE PLACED AT THE INTERSECTION OF ROADSIDE SWALES PRIOR TO DISCHARGE INTO THE STORMWATER POND OR DITCH.

DATE	REVISIONS	REVISED BY	CHECKED BY

CADD	NAME	DATE
DESIGNED BY		
DRAWN BY		
CHECKED BY		
APPROVED BY		
CADD FILE NAME		

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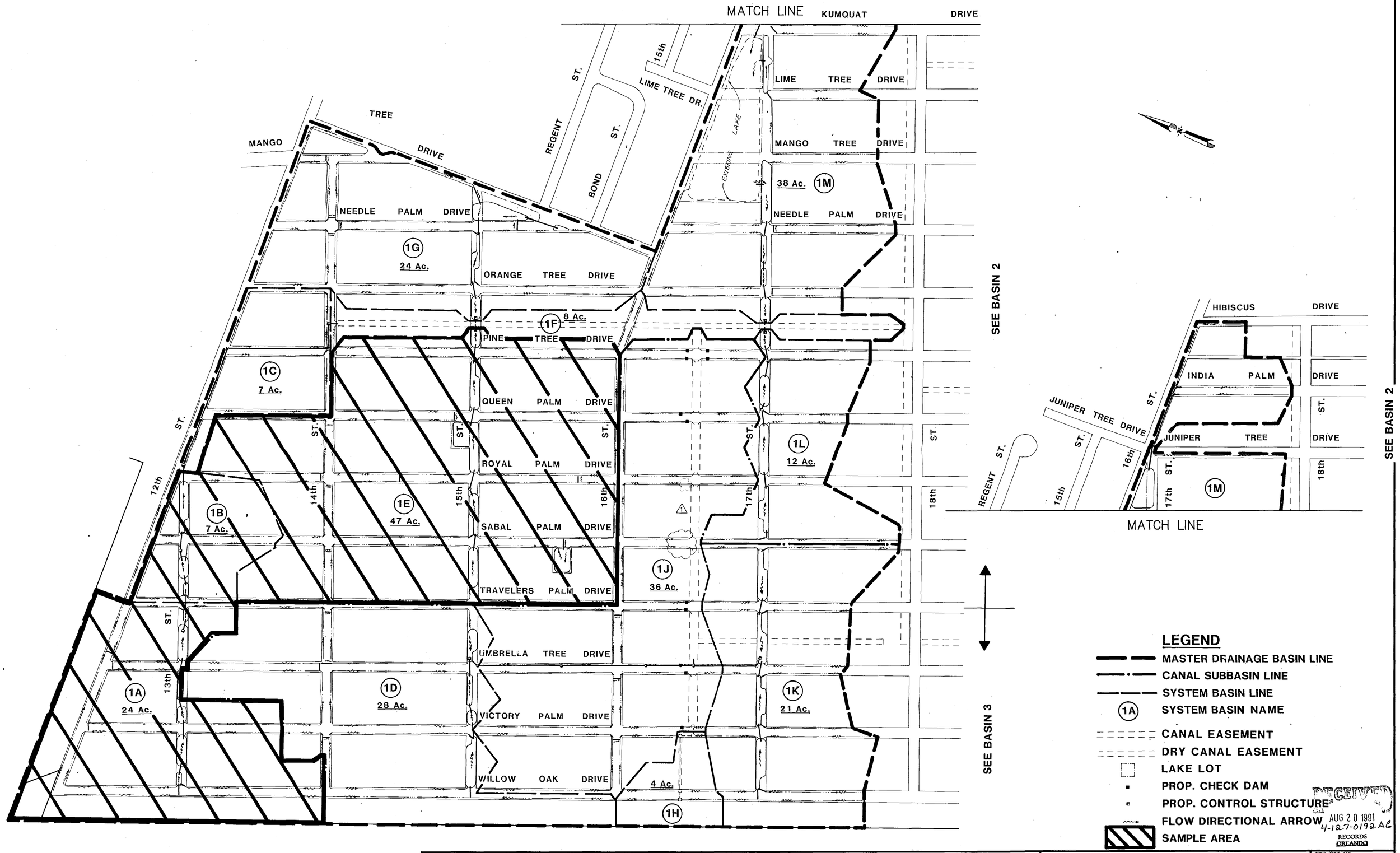
JACKSONVILLE • 4285 BAYMEADOWS ROAD • SUITE 136 • JACKSONVILLE, FLORIDA 32216

EROSION & SEDIMENT CONTROL PLAN

CITY OF EDGEWATER, FLORIDA
FLORIDA SHORES CAPITAL IMPROVEMENT PROGRAM

RECEIVED
AUG 20 1991
4-127-0192AC
RECORDS

PROJECT NO. 87-400
DATE: APRIL 1991
SCALE: 1-800'
SHEET 408 OF



RECEIVED
AUG 20 1991
4-127-0192AC
RECORDS
ORLANDO

DATE	REVISIONS	REVISED BY	CHECKED BY
4-17-91	REVISIONS PER SJRWMD	MJC	TAT
3-6-91	AS SUBMITTED TO SJRWMD		

CADD	NAME	DATE
DESIGNED BY	—	—
DRAWN BY	—	—
CHECKED BY	—	—
APPROVED BY	—	—
CADD FILE NAME		

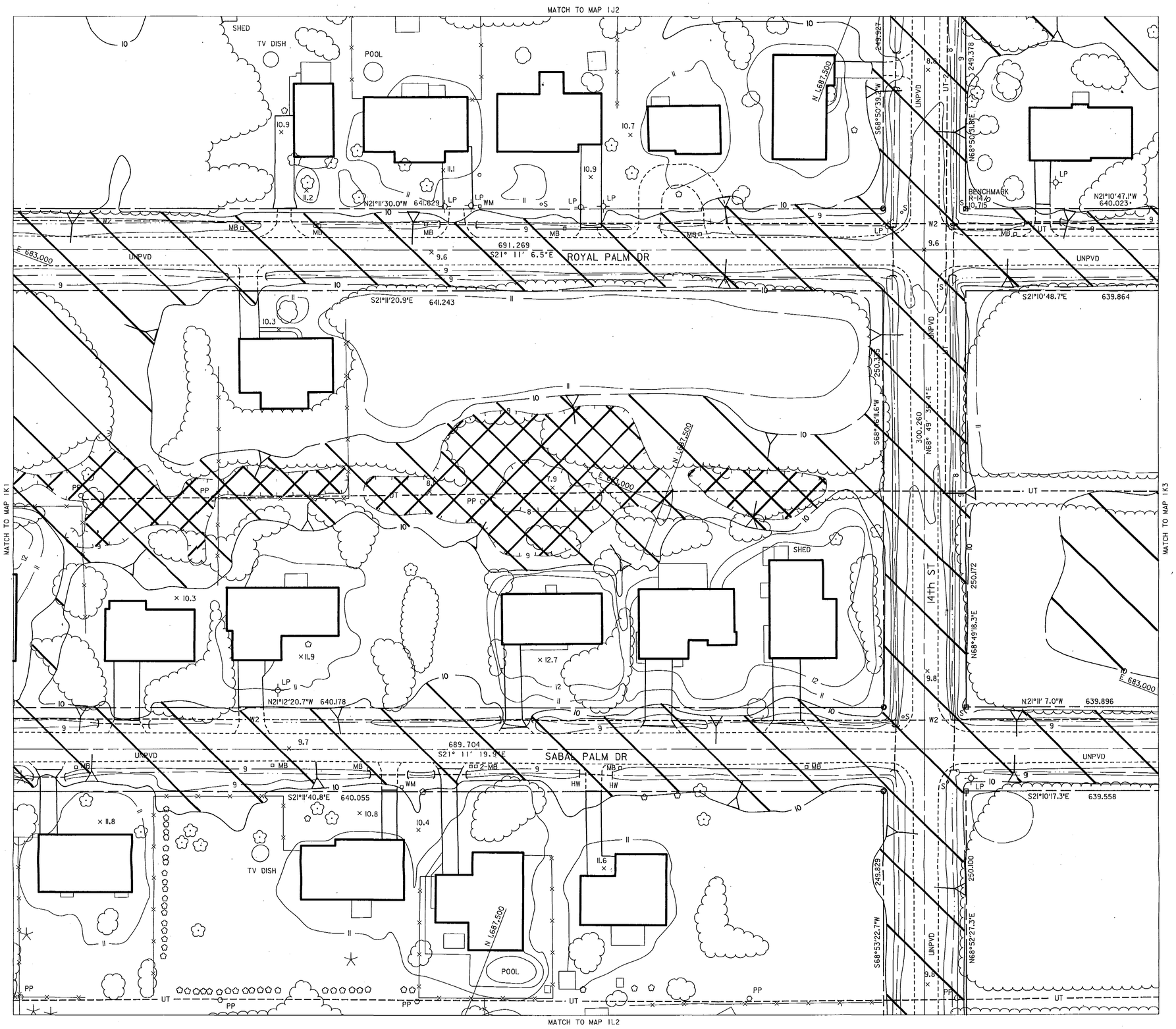
DYER, RIDDLE, MILLS & PRECOURT, INC.
ENGINEERS • SURVEYORS • SCIENTISTS • PLANNERS
ORLANDO – TAMPA

MASTER DRAINAGE BASIN 1

CITY OF EDGWATER, FLORIDA
FLORIDA SHORES CAPITAL IMPROVEMENTS

PROJECT NO. 87-400
DATE AUGUST, 1990
SCALE 1" = 200'±
SHEET 2 OF 11

EXHIBIT "A"



LEGEND

- 25 — INDEX CONTOUR, ELEVATION
- INTERPOLATED INDEX CONTOUR,
- 24 — INTERMEDIATE CONTOUR, ELEVATION
- INTERPOLATED INTERMEDIATE CONTOUR, ELEVATION
- ×14.3 SPOT ELEVATION
- DEPRESSION CONTOUR
- DECIDUOUS TREE
- EVERGREEN TREE
- TREE LINE
- CENTERLINE OF DITCH
- EDGE OF WATER
- PVMT — PAVED ROAD / DRIVEWAY
- UNPVD — UNPAVED ROAD / DRIVEWAY
- RAILROAD
- FENCE
- BUILDING
- S 21°06'45"E 639.94' — RIGHT OF WAY LINE, BEARING & DISTANCE
- S 21°06'45"E 639.94' — CENTERLINE ROADWAY, BEARING & DISTANCE
- Drainage Easement — EASEMENT LINE, TYPE
- RECOVERED CONCRETE MONUMENT
- RECOVERED IRON PIPE OR REBAR
- BM 12.55 — BENCH MARK, DESIGNATION, ELEVATION
- E 685,000 / N 1,686,000 — FLORIDA STATE PLANE COORDINATE SYSTEM GRID LINES WITH NORTHING AND EASTING
- W6 — WATER MAIN, SIZE
- SS6 — GRAVITY SEWER MAIN, SIZE
- FM6 — FORCE MAIN, SIZE
- UT — UNDERGROUND TELEPHONE CABLE
- MAJOR CULVERT WITH HEADWALL
- HW — MINOR CULVERT WITH HEADWALL
- MINOR CULVERT NO HEADWALL
- MITERED END
- RIPRAP
- CONCRETE FLUME
- PP POWER POLE
- LP LIGHT POLE
- TP TELEPHONE POLE
- UP UNIDENTIFIED POLE
- TM TELEPHONE MANHOLE
- TEL TELEPHONE RISER
- SM STORM MANHOLE
- CB CATCH BASIN, INLET
- 4.21 MH SANITARY MANHOLE, INVERT ELEVATION
- UB UTILITY BOX
- MB MAIL BOX
- O/H OVERHANG
- S SIGN
- POST, SMALL POLE
- VB WATER VALVE (FROM RECORDS)
- VB WATER VALVE (FIELD VERIFIED)
- WM WATER METER
- FH FIRE HYDRANT

	1G2	1G3	1G4	3G5	3G6	3G7	3G8
	1H2	1H3	1H4	3H5	3H6	3H7	3H8
1J1	1J2	1J3	1J4	2J5	2J6	2J7	2J8
1K1	1K2	1K3	1K4	2K5	2K6	2K7	2K8
1L1	1L2	1L3	1L4	2L5	2L6	2L7	2L8
1M1	1M2	1M3	1M4	2M5	2M6	2M7	2M8

KEY MAP
PHASE 1

30 0 30 60
SCALE IN FEET

FLORIDA SHORES SUBDIVISION
MAP 1K2

LEGEND

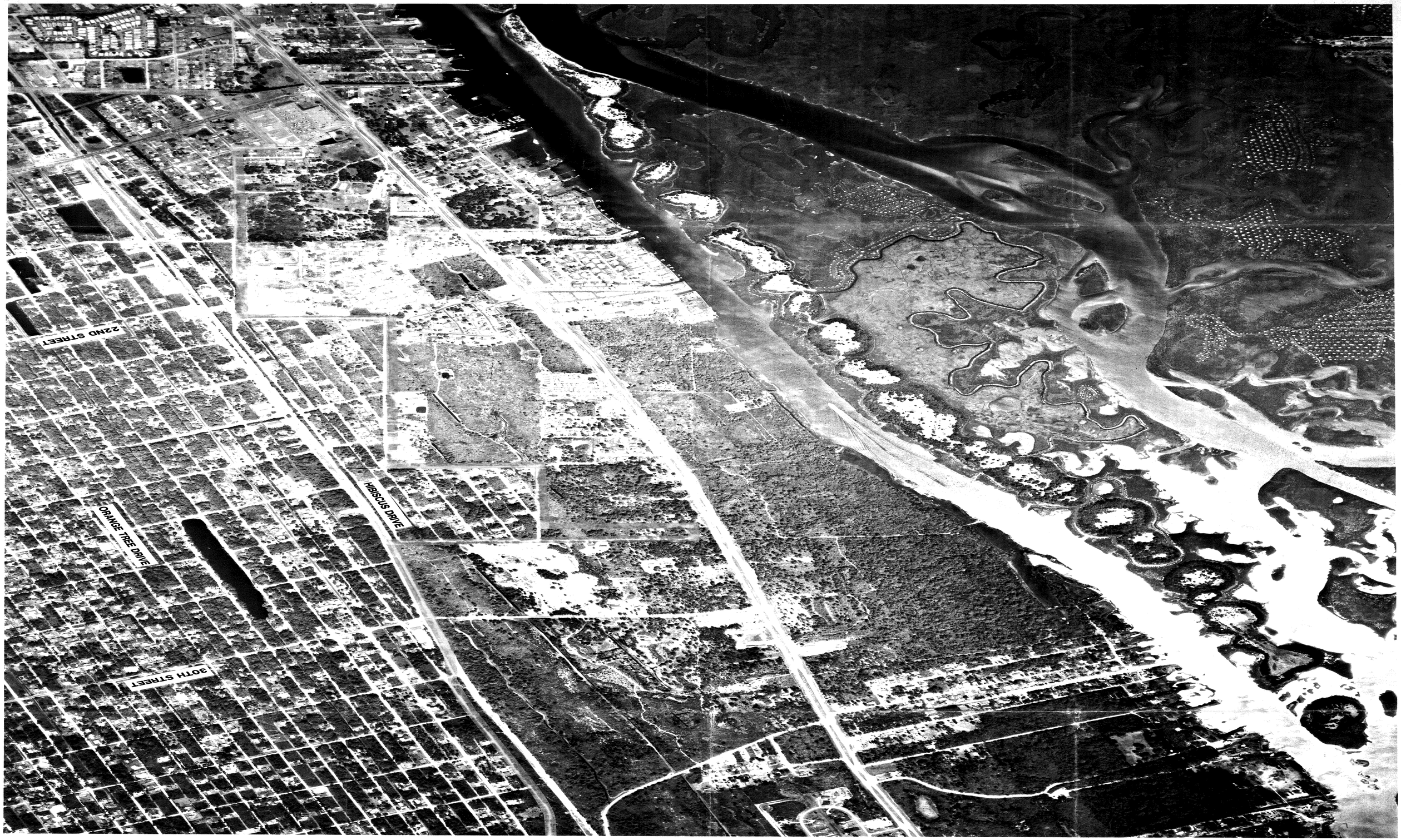
- EL. 10 TO 9
- EL. 9 OR LESS

NOTE: POND TOP OF BANK AT EL. 10.0±

NOTE:
SEE GENERAL NOTES SHEET 1G2

RECEIVED
AUG 20 1991
4-127-0192AC
RECORDS
ORLANDO

EXHIBIT "B"



RECEIVED
MAR 06 1991
RECORDS
ORLANDO

AERIAL MAP

EXHIBIT A1

GENERAL DATA:

AERIAL PHOTOGRAPHY & PHOTOGRAPHIC REPRODUCTIONS BY:
AERIAL CARTOGRAPHICS OF AMERICA
ORLANDO, FL.
FLIGHT SCALE 1 : 24000

COUNTY OF VOLUSIA, FLORIDA

PLANNING & ZONING DEPARTMENT

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

SEC. 12 & 13
TWP. 18 S.
RNG. 34 E.

PHOTO SCALE: 1" = 400'

NORTH

PHOTOS TAKEN: SPRING, 1987

SHEET NUMBER: 8401

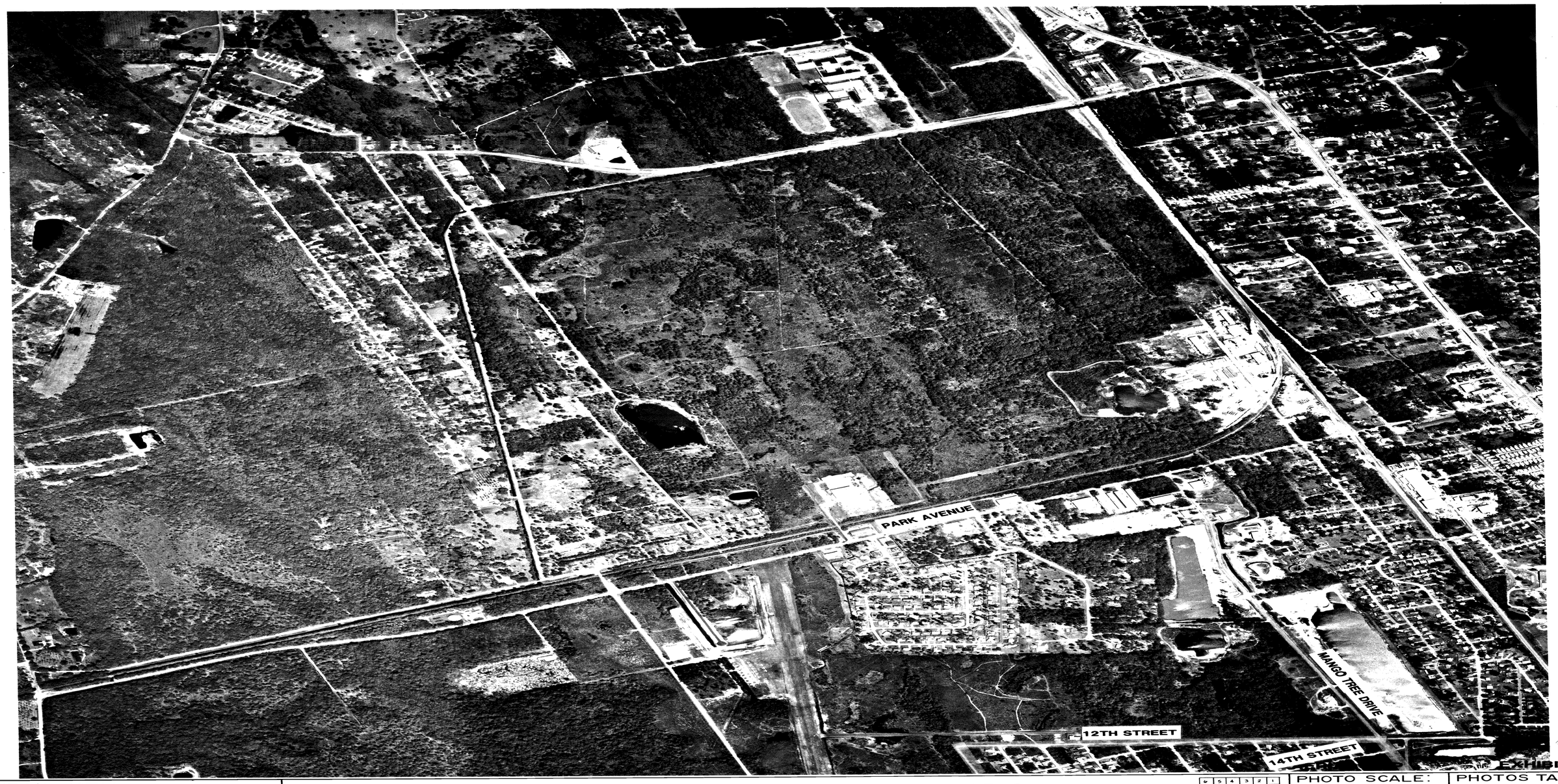


EXHIBIT A2

GENERAL DATA:
AERIAL PHOTOGRAPHY & PHOTOGRAPHIC REPRODUCTIONS BY:
AERIAL CARTOGRAPHICS OF AMERICA
ORLANDO, FL.
FLIGHT SCALE 1 : 24000

COUNTY OF VOLUSIA, FLORIDA
PLANNING & ZONING DEPARTMENT

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

SEC. 29,30,31,32
TWP. 17 S.
RNG. 34 E.

PHOTO SCALE: 1" = 400'

NORTH

PHOTOS TAKEN: SPRING, 1987

SHEET NUMBER: 7429

GENERAL DATA:

AERIAL PHOTOGRAPHY & PHOTOGRAPHIC REPRODUCTIONS BY:
AERIAL CARTOGRAPHICS OF AMERICA
ORLANDO, FL.
FLIGHT SCALE 1 : 24000

COUNTY OF VOLUSIA, FLORIDA

PLANNING & ZONING DEPARTMENT

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

SEC. 3,4,9,10
TWP. 18 S.
RNG. 33 E.

PHOTO SCALE: 1" = 400'

NORTH

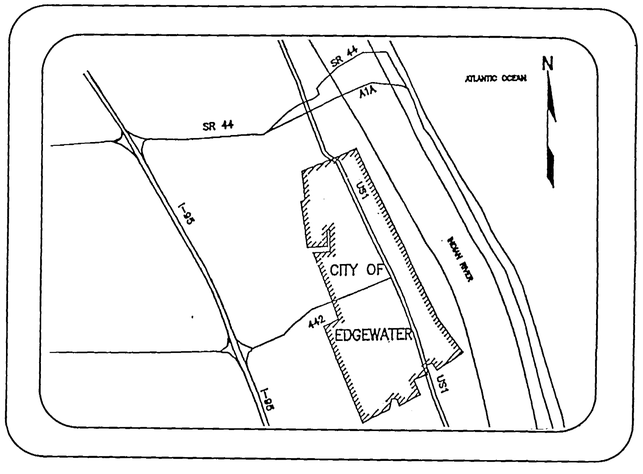
PHOTOS TAKEN: SPRING, 1987

SHEET NUMBER: 8403

CITY OF EDGEWATER
FLORIDA SHORES

MASTER DRAINAGE BASIN PLAN

VOLUSIA COUNTY, FLORIDA



VICINITY MAP

PREPARED FOR:
THE CITY OF EGDEWATER

PREPARED BY:
DYER, RIDDLE, MILLS & PRECOURT, INC.
1505 EAST COLONIAL DRIVE
ORLANDO, FLORIDA 32853-8505
TEL. (407) 896-0594

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9. MASTER DRAINAGE BASIN 8
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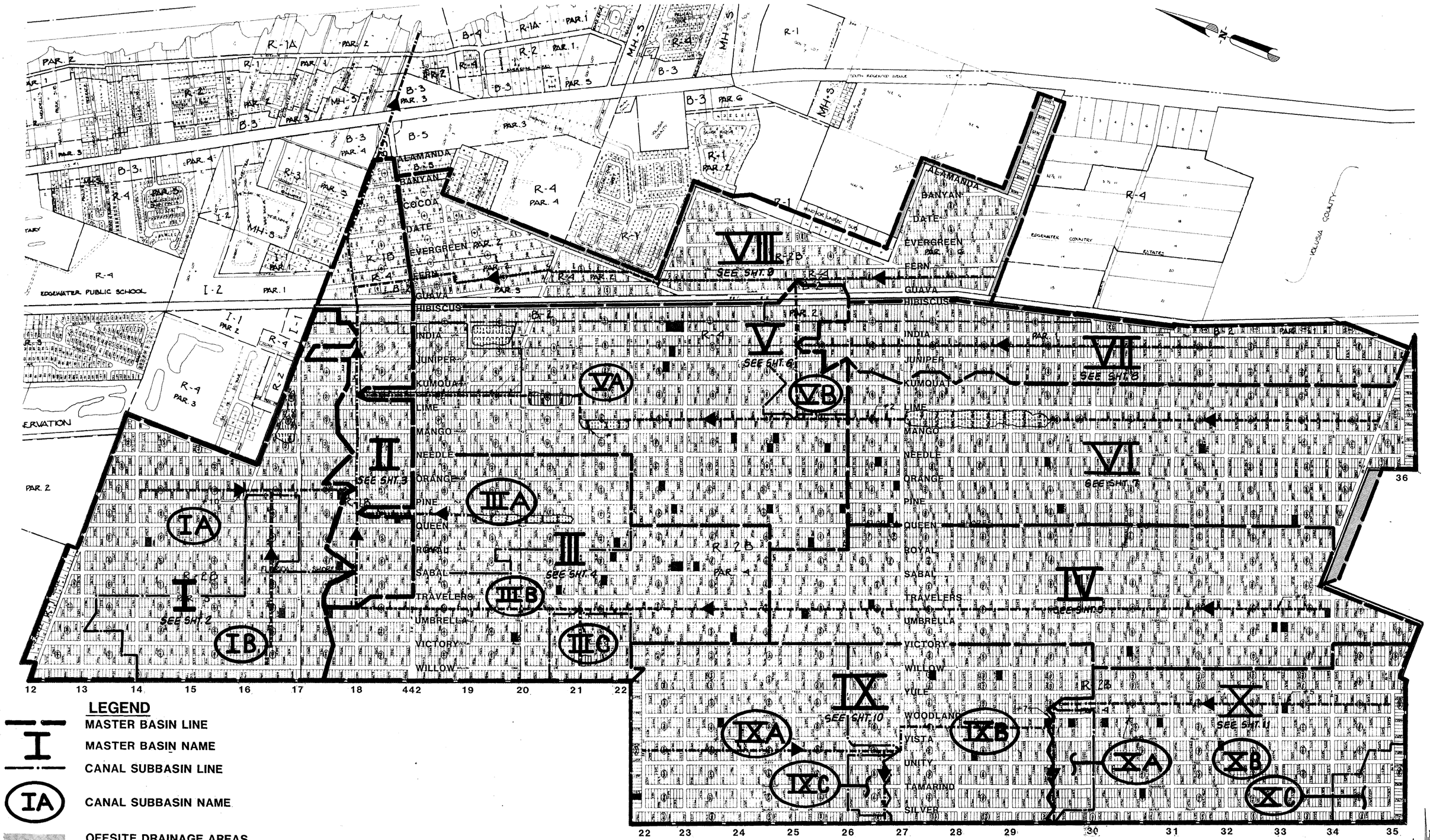
11. MASTER DRAINAGE BASIN 10

RECEIVED
APR 29 1991
4-122-0192AG
RECORDS
ORLANDO
APR 26 1991

JOB NO. 87-400.17

87400X10.DWG



LEGEND

- MASTER BASIN LINE
- I — MASTER BASIN NAME
- CANAL SUBBASIN LINE
- IA — CANAL SUBBASIN NAME
- OFFSITE DRAINAGE AREAS
- CANAL LOCATION & DIRECTION OF FLOW

DATE	REVISIONS	REVISED BY	CHECKED BY
3-6-91	AS SUBMITTED TO SJRWMD		

FLORIDA SHORES DEVELOPMENT
CITY OF EDGEWATER

EDGEWATER, FLORIDA

DYER, RIDDLE, MILLS AND PRECOURT, INC.
ENGINEERS - SURVEYORS
ORLANDO TAMPA

DESIGNED BY | DRAWN BY | CHECKED BY | APPROVED BY

MASTER DRAINAGE KEY MAP

CITY OF EDGEWATER, FLORIDA
FLORIDA SHORES CAPITAL IMPROVEMENTS

APR 26 1991

APR 29 1991
4-197-0198 NG
RECORDS
ORLANDO

PROJECT NO. 87-400.17
DATE NOV, 1990
SCALE 1"-600'
SHEET 1 OF 11

DATE	REVISIONS	REVISED BY	CHECKED BY
4-17-91	REVISIONS PER SJRWMD	MJC	TAT
3-6-91	AS SUBMITTED TO SJRWMD		

CADD	NAME	DATE
DESIGNED BY	—	—
DRAWN BY	—	—
CHECKED BY	—	—
APPROVED BY	—	—
CADD FILE NAME		

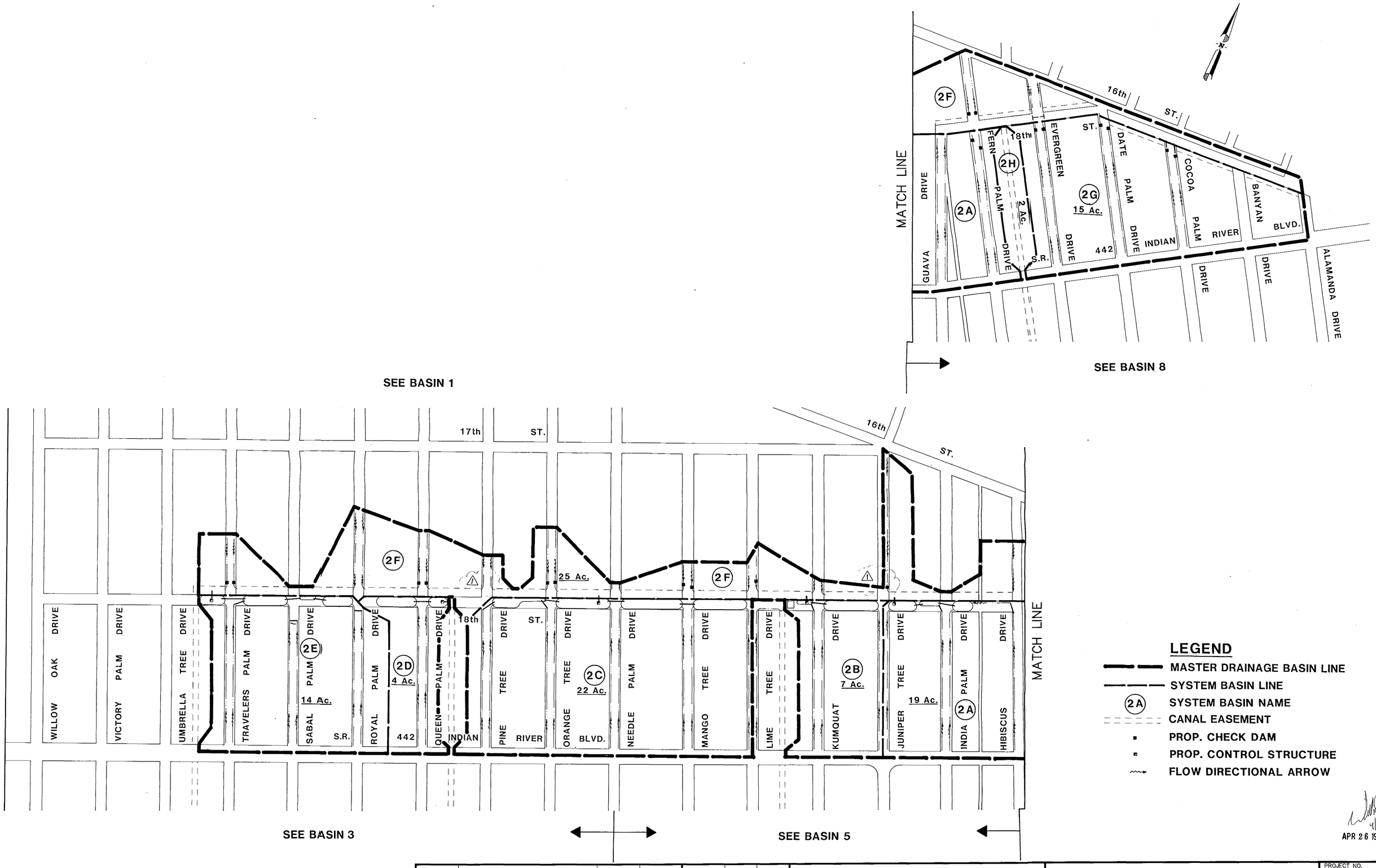
DYER, RIDDLE, MILLS & PRECOURT, INC.
ENGINEERS • SURVEYORS • SCIENTISTS • PLANNERS
ORLANDO – TAMPA

MASTER DRAINAGE BASIN 1

CITY OF EDGWATER, FLORIDA
FLORIDA SHORES CAPITAL IMPROVEMENTS

RECEIVED APR 29 1991 RECORDS ORLANDO

PROJECT NO. 87-400
DATE AUGUST, 1990
SCALE 1" = 200'±
SHEET 2 OF 11



4/26/91

APR 26 1991

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3-6-91	AS SUBMITTED TO SJRWMD		

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DRAWN BY	—	—
CHECKED BY	—	—
APPROVED BY	—	—
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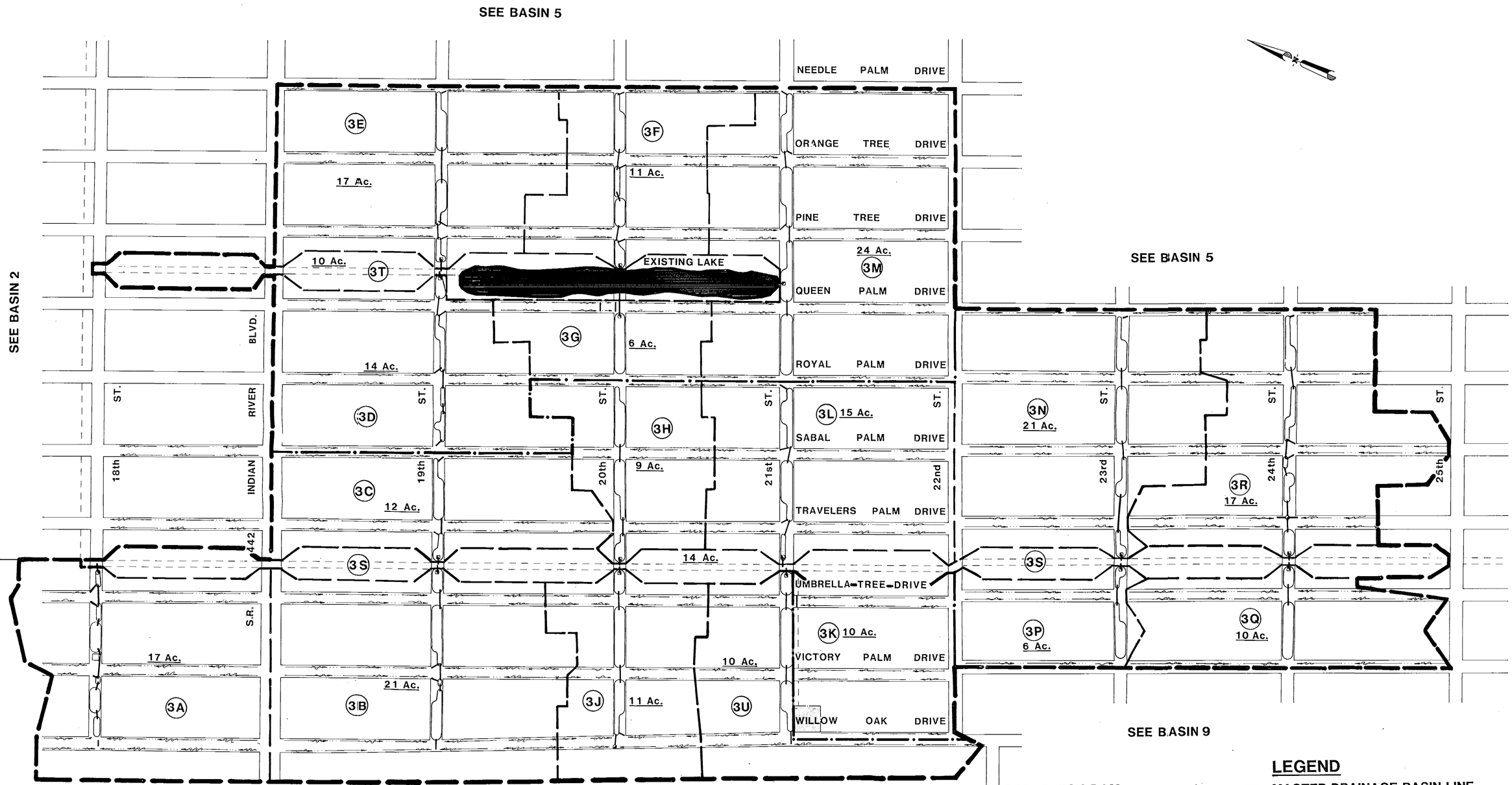
DYER, RIDDLE, MILLS & PRECOURT, INC.
ENGINEERS • SURVEYORS • SCIENTISTS • PLANNERS
ORLANDO — TAMPA

MASTER DRAINAGE BASIN 2

CITY OF EDGWATER, FLORIDA
FLORIDA SHORES CAPITAL IMPROVEMENTS

PROJECT NO. 87-400
DATE AUGUST, 1990
SCALE 1" = 200'±
SHEET 3 OF 11



LEGEND

- PROP. CHECK DAM
- PROP. CONTROL STRUCTURE
- FLOW DIRECTIONAL ARROW
- MASTER DRAINAGE BASIN LINE
- CANAL SUBBASIN LINE
- SYSTEM BASIN LINE
- (3K) SYSTEM BASIN NAME
- CANAL EASEMENT
- LAKE LOT

4/26/91

APR 26 1991

RECEIVED APR 3 1991 4-12-2019 AG RECORDS ORLANDO

DATE	REVISIONS	REVISED BY	CHECKED BY
3-6-91	AS SUBMITTED TO SJRWMD		

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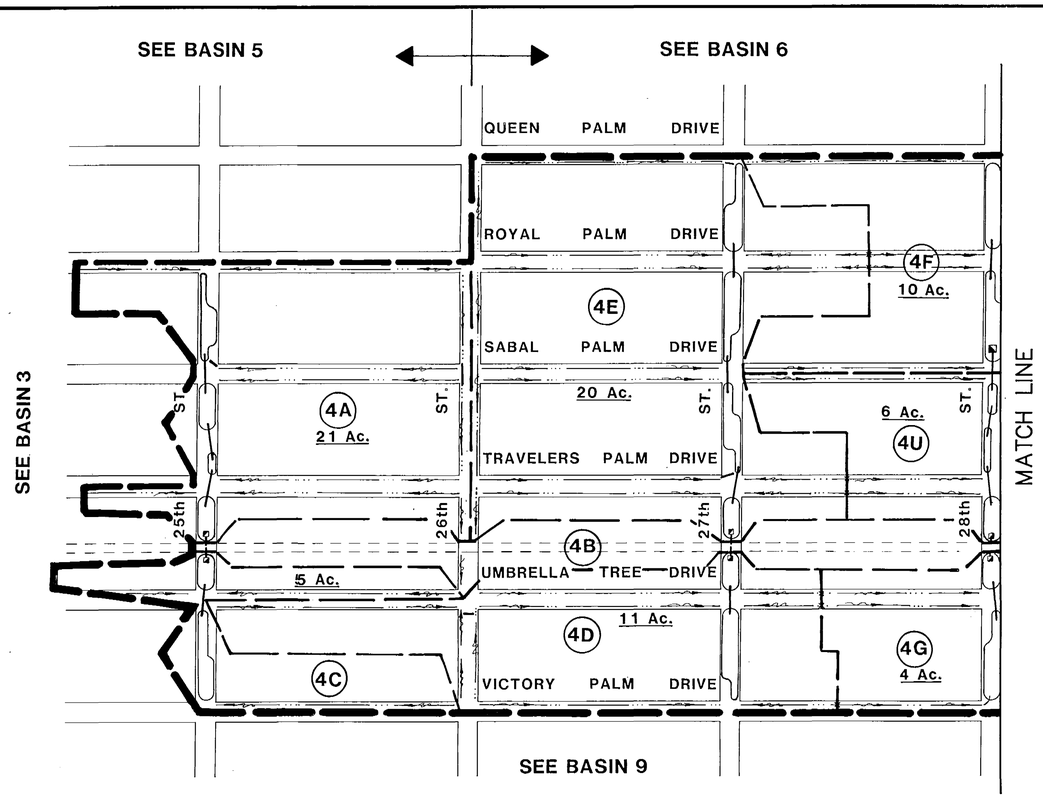
DRAWN BY	—	—
CHECKED BY	—	—
APPROVED BY	—	—
CADD FILE NAME		

DYER, RIDDLE, MILLS & PRECOURT, INC.
ENGINEERS • SURVEYORS • SCIENTISTS • PLANNERS
ORLANDO – TAMPA

MASTER DRAINAGE BASIN 3

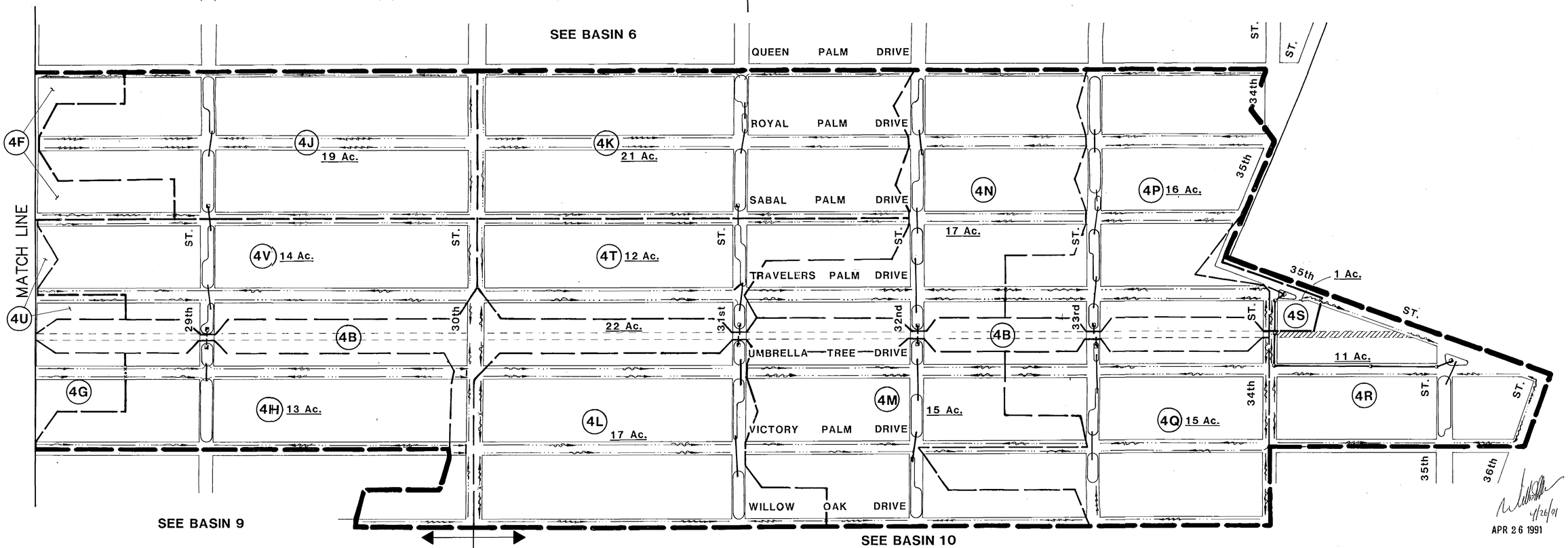
CITY OF EDGWATER, FLORIDA
FLORIDA SHORES CAPITAL IMPROVEMENTS

PROJECT NO. 87-400
DATE AUGUST, 1990
SCALE 1" = 200'±
SHEET 4 OF 11



LEGEND

- MASTER DRAINAGE BASIN LINE
- SYSTEM BASIN LINE
- (4A) SYSTEM BASIN NAME
- CANAL EASEMENT
- DRY DRAINAGE EASEMENT
- PROP. CHECK DAM
- PROP. CONTROL STRUCTURE
- FLOW DIRECTIONAL ARROW



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APR 26 1991

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DRAWN BY	—	—
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APPROVED BY	—	—
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DYER, RIDDLE, MILLS & PRECOURT, INC.
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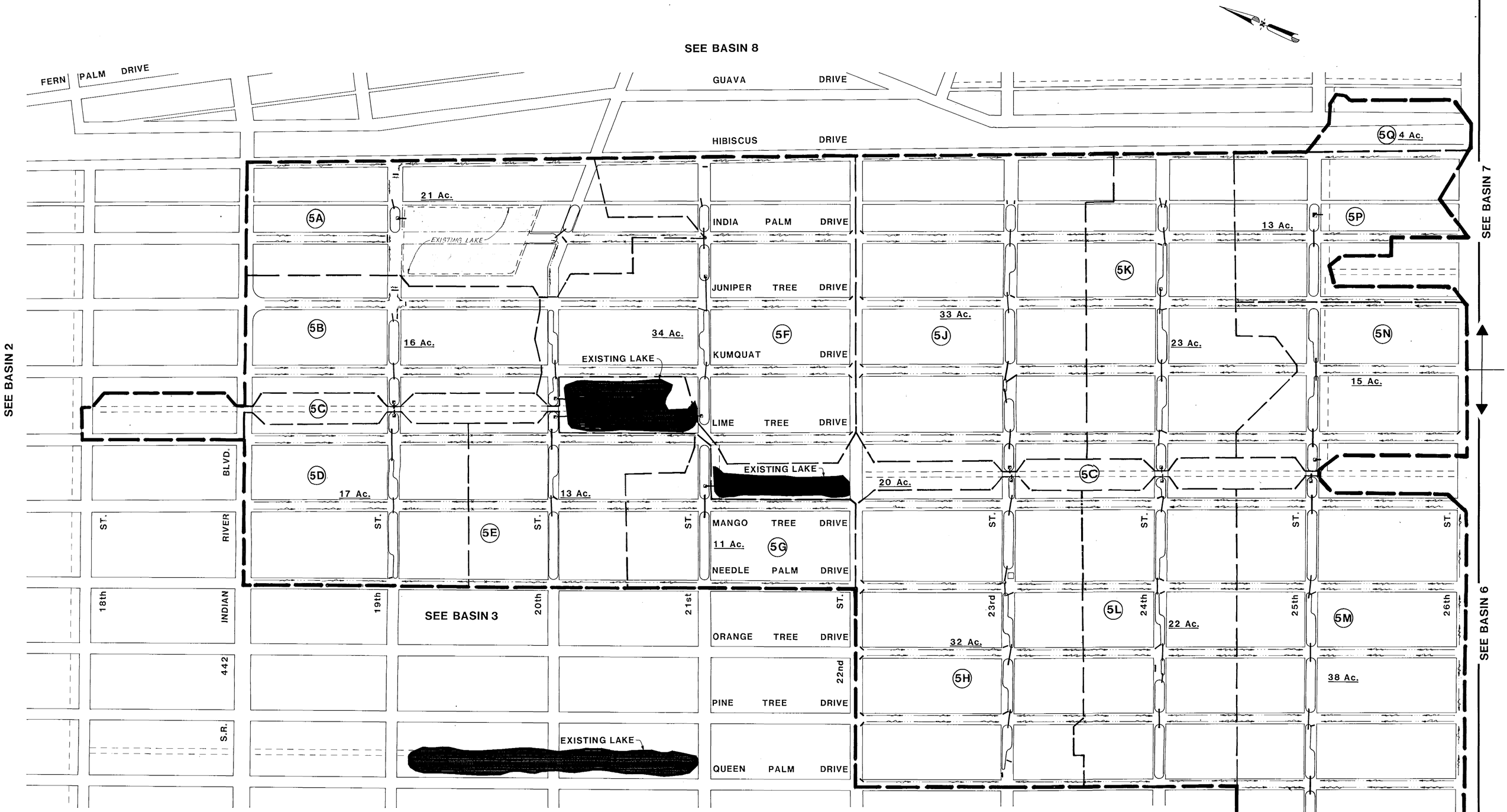
ORLANDO – TAMPA

MASTER DRAINAGE BASIN

CITY OF EDGWATER, FLORIDA
FLORIDA SHORES CAPITAL IMPROVEMENT

RECEIVED APR 29 1991 RECORDS ORLANDO

PROJECT NO. 87-400
DATE AUGUST, 1990
SCALE 1" = 200'±
SHEET 5 OF 11



LEGEND

- MASTER DRAINAGE BASIN LINE
- CANAL SUBBASIN LINE
- SYSTEM BASIN LINE
- (5L) SYSTEM BASIN NAME
- CANAL EASEMENT
- LAKE LOT
- PROP. CHECK DAM
- PROP. CONTROL STRUCTURE
- FLOW DIRECTIONAL ARROW

DATE	REVISIONS	REVISED BY	CHECKED BY
3-6-91	AS SUBMITTED TO SJRWMD		

CADD	NAME	DATE
DESIGNED BY		
DRAWN BY		
CHECKED BY		
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ENGINEERS • SURVEYORS • SCIENTISTS • PLANNERS
ORLANDO – TAMPA

MASTER DRAINAGE BASIN 5

CITY OF EDGWATER, FLORIDA
FLORIDA SHORES CAPITAL IMPROVEMENTS

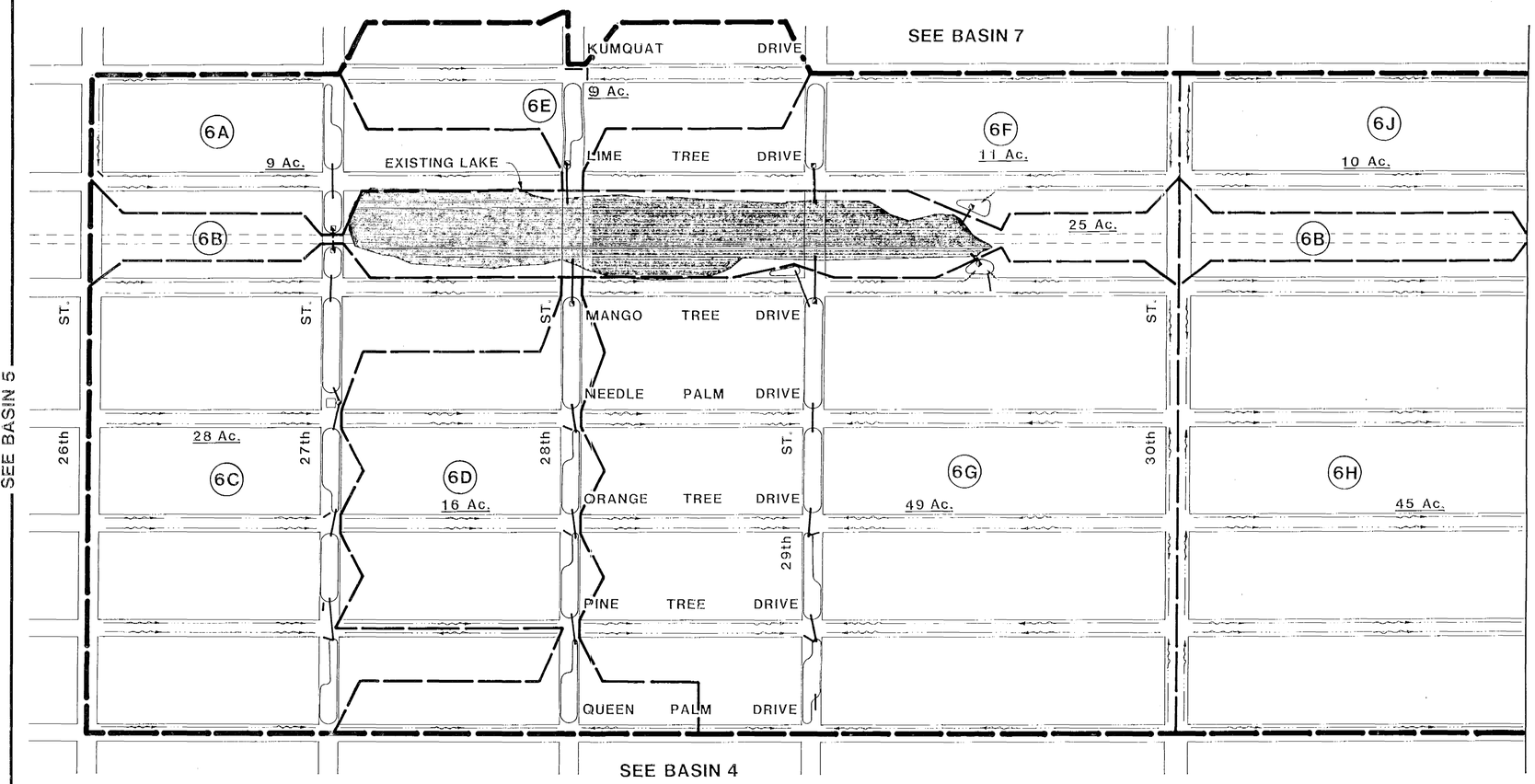
RECEIVED APR 29 1991 RECORDS ORLANDO
4-127-0192AG

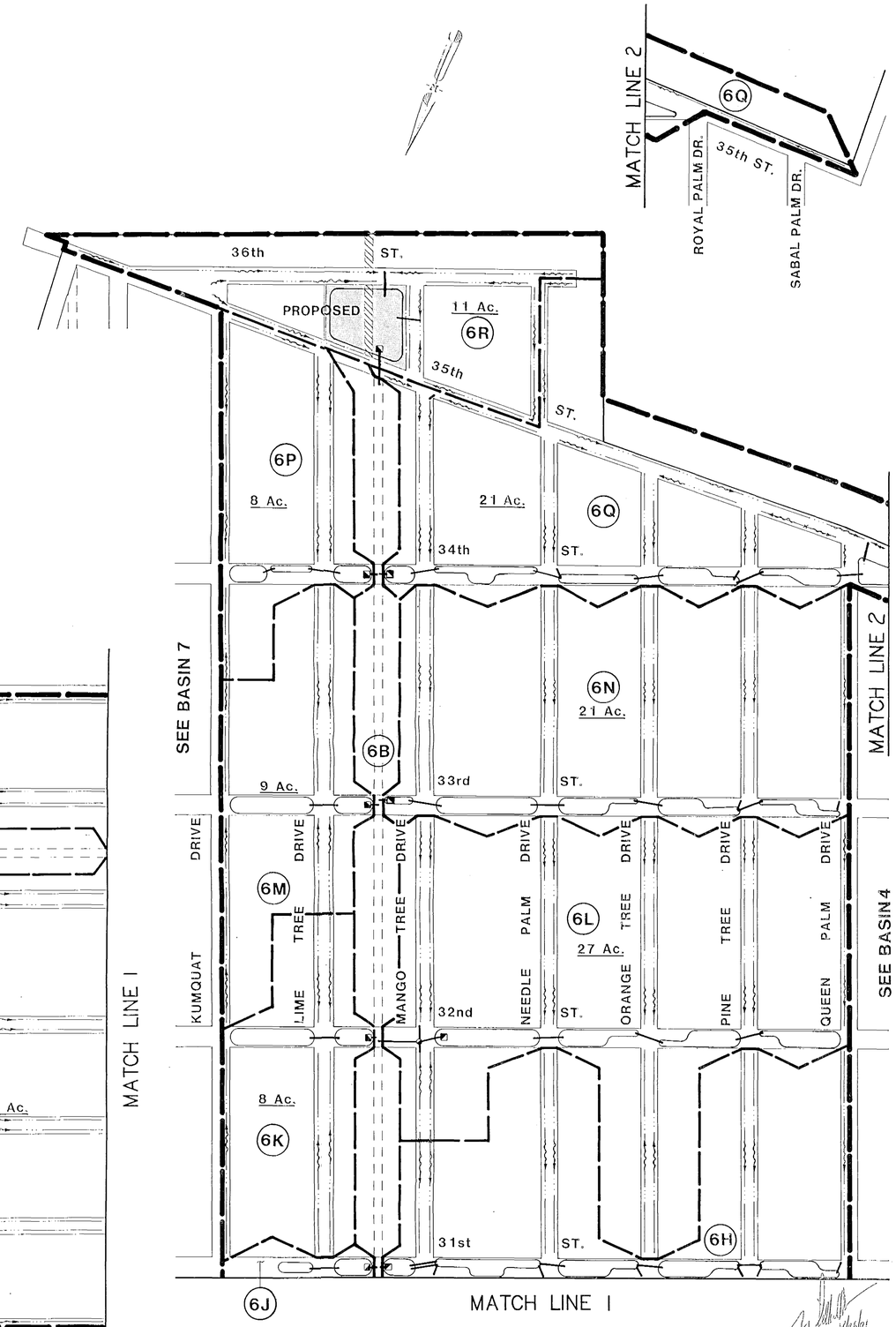
APR 26 1991
4/26/91

PROJECT NO. 87-400
DATE AUGUST, 1990
SCALE 1" = 200'±
SHEET 6 OF 11

LEGEND

- MASTER DRAINAGE BASIN LINE
- SYSTEM BASIN LINE
- (6A) SYSTEM BASIN NAME
- CANAL EASEMENT
- DRY CANAL EASEMENT
- DRY DRAINAGE EASEMENT
- LAKE LOT
- PROP. CHECK DAM
- PROP. CONTROL STRUCTURE
- FLOW DIRECTIONAL ARROW





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DYER, RIDDLE, MILLS & PRECOURT, INC.
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ORLANDO — TAMPA

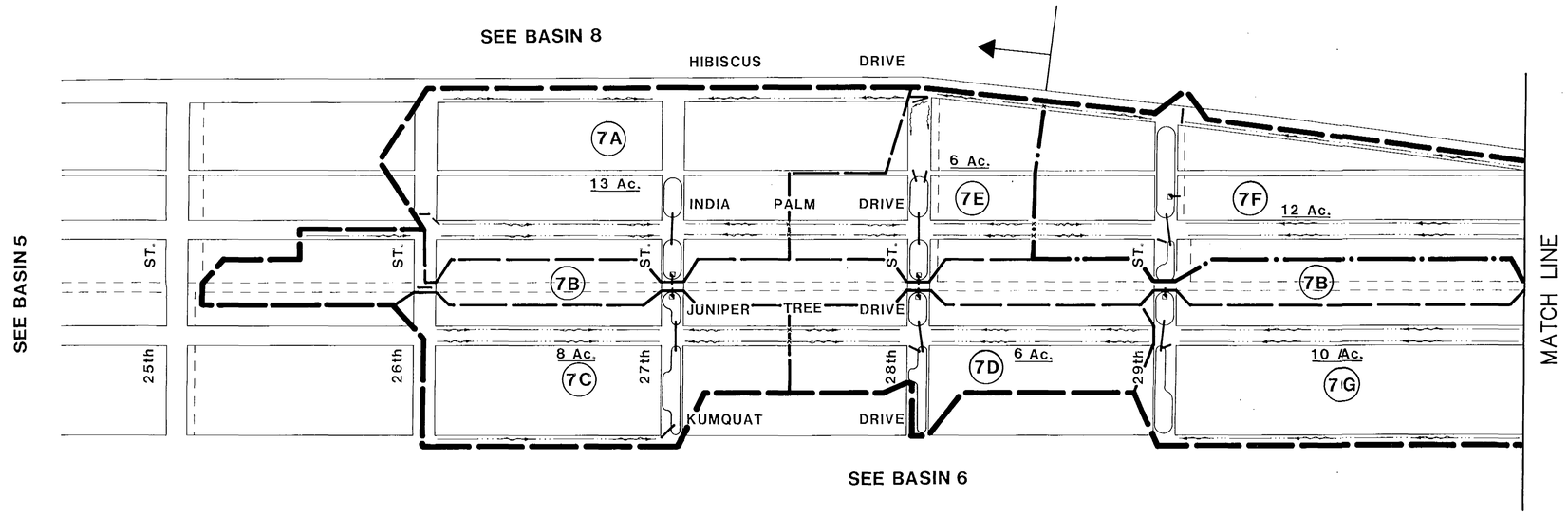
MASTER DRAINAGE BASIN 6

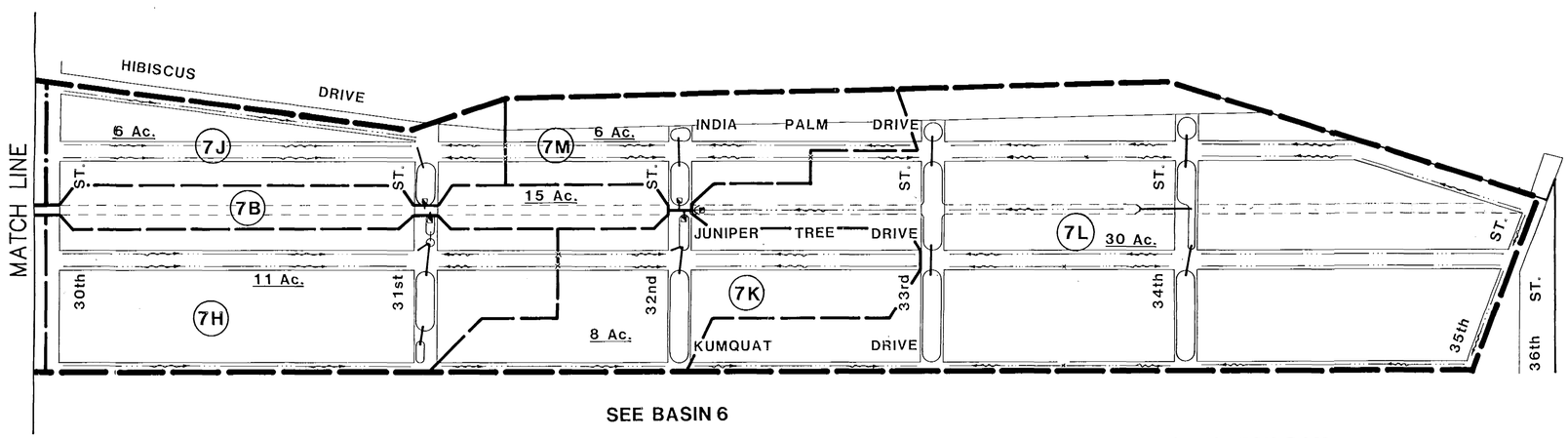
CITY OF EDGWATER, FLORIDA
FLORIDA SHORES CAPITAL IMPROVEMENTS

RECEIVED APR 29 1991 RECORDS ORLANDO

APR 26 1991

PROJECT NO. 87-400
DATE AUGUST, 1990
SCALE 1" = 200'±
SHEET 7 OF 11





LEGEND

- PROP. CHECK DAM
- PROP. CONTROL STRUCTURE
- FLOW DIRECTIONAL ARROW
- MASTER DRAINAGE BASIN LINE
- CANAL SUBBASIN LINE
- SYSTEM BASIN LINE
- (7A) SYSTEM BASIN NAME
- CANAL EASEMENT
- DRY CANAL EASEMENT

4/26/91
APR 26 1991

DATE	REVISIONS	REVISED BY	CHECKED BY
3-6-91	AS SUBMITTED TO SJRWMD		

CADD	NAME	DATE
DESIGNED BY	—	—
DRAWN BY	—	—
CHECKED BY	—	—
APPROVED BY	—	—
CADD FILE NAME		

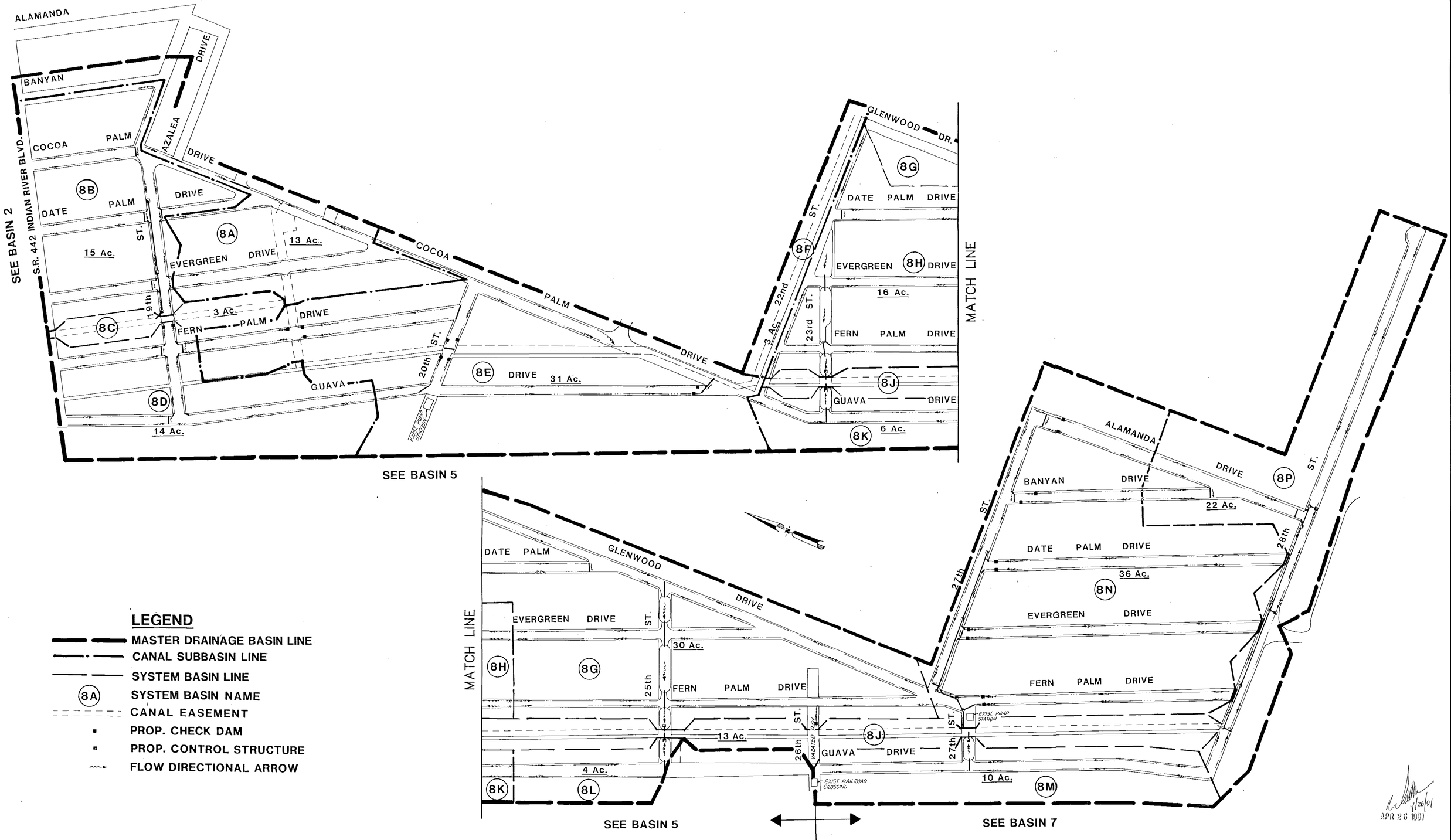
DYER, RIDDLE, MILLS & PRECOURT, INC.
ENGINEERS • SURVEYORS • SCIENTISTS • PLANNERS
ORLANDO — TAMPA

MASTER DRAINAGE BASIN 7

CITY OF EDGWATER, FLORIDA
FLORIDA SHORES CAPITAL IMPROVEMENTS

APR 29 1991

PROJECT NO. 87-400
DATE AUGUST, 1990
SCALE 1" = 200'±
SHEET 8 OF 11



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DYER, RIDDLE, MILLS & PRECOURT, INC.
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ORLANDO — TAMPA

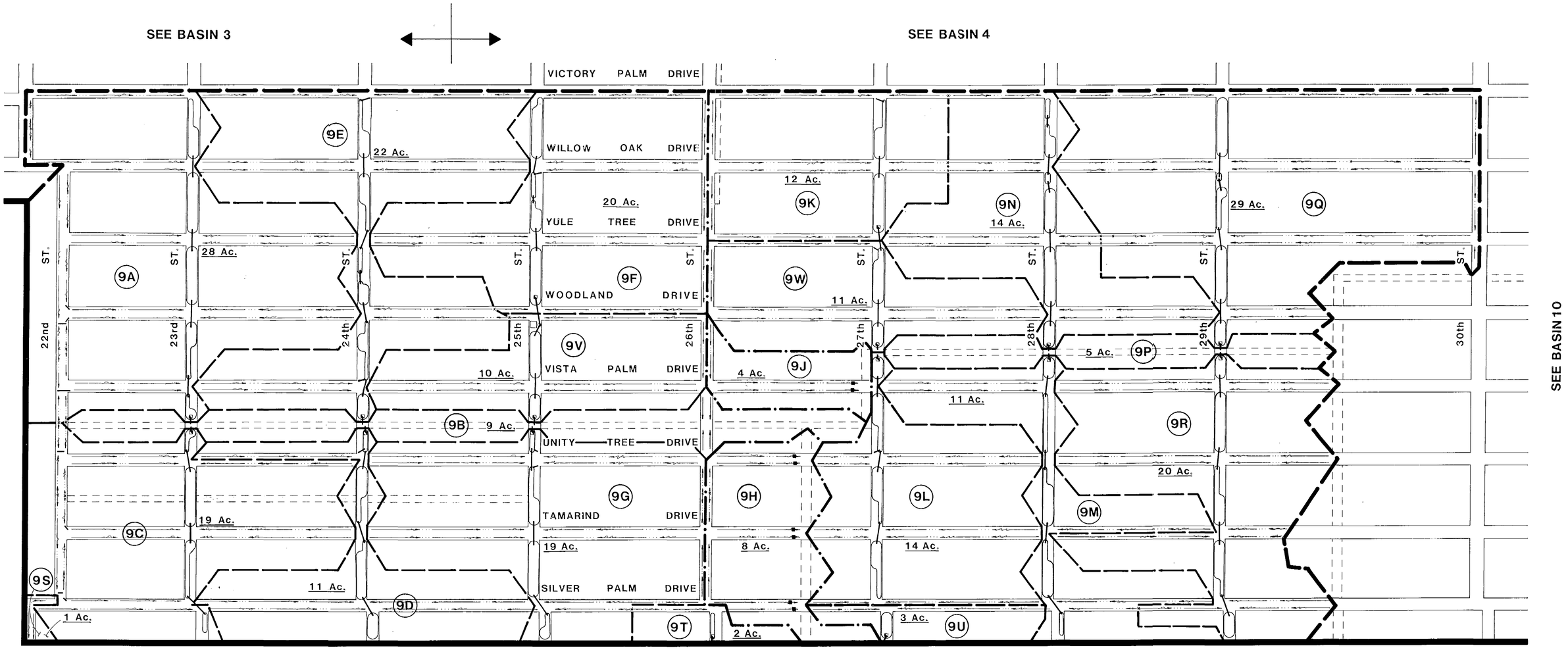
MASTER DRAINAGE BASIN 8

CITY OF EDGWATER, FLORIDA
FLORIDA SHORES CAPITAL IMPROVEMENTS

RECEIVED APR 29 1991 4-127-01 RECORDS ORLANDO

PROJECT NO. 87-400
DATE AUGUST, 1990
SCALE 1" = 200'±
SHEET 9 OF 11

APR 26 1991



LEGEND

- PROP. CONTROL STRUCTURE
- FLOW DIRECTIONAL ARROW
- CANAL EASEMENT
- DRY CANAL EASEMENT
- PROP. CHECK DAM
- MASTER DRAINAGE BASIN LINE
- CANAL SUBBASIN LINE
- SYSTEM BASIN LINE
- (9A) SYSTEM BASIN NAME

APR 26 1991

DATE	REVISIONS	REVISED BY	CHECKED BY
3-6-91	AS SUBMITTED TO SJRWMD		

CADD	NAME	DATE
DESIGNED BY		
DRAWN BY		
CHECKED BY		
APPROVED BY		
CADD FILE NAME		

DYER, RIDDLE, MILLS & PRECOURT, INC.
ENGINEERS • SURVEYORS • SCIENTISTS • PLANNERS
ORLANDO – TAMPA

MASTER DRAINAGE BASIN 9

CITY OF EDGWATER, FLORIDA
FLORIDA SHORES CAPITAL IMPROVEMENTS

4-127-01930G
APR 29 1991
RECORDS

PROJECT NO. 87-400
DATE AUGUST, 1990
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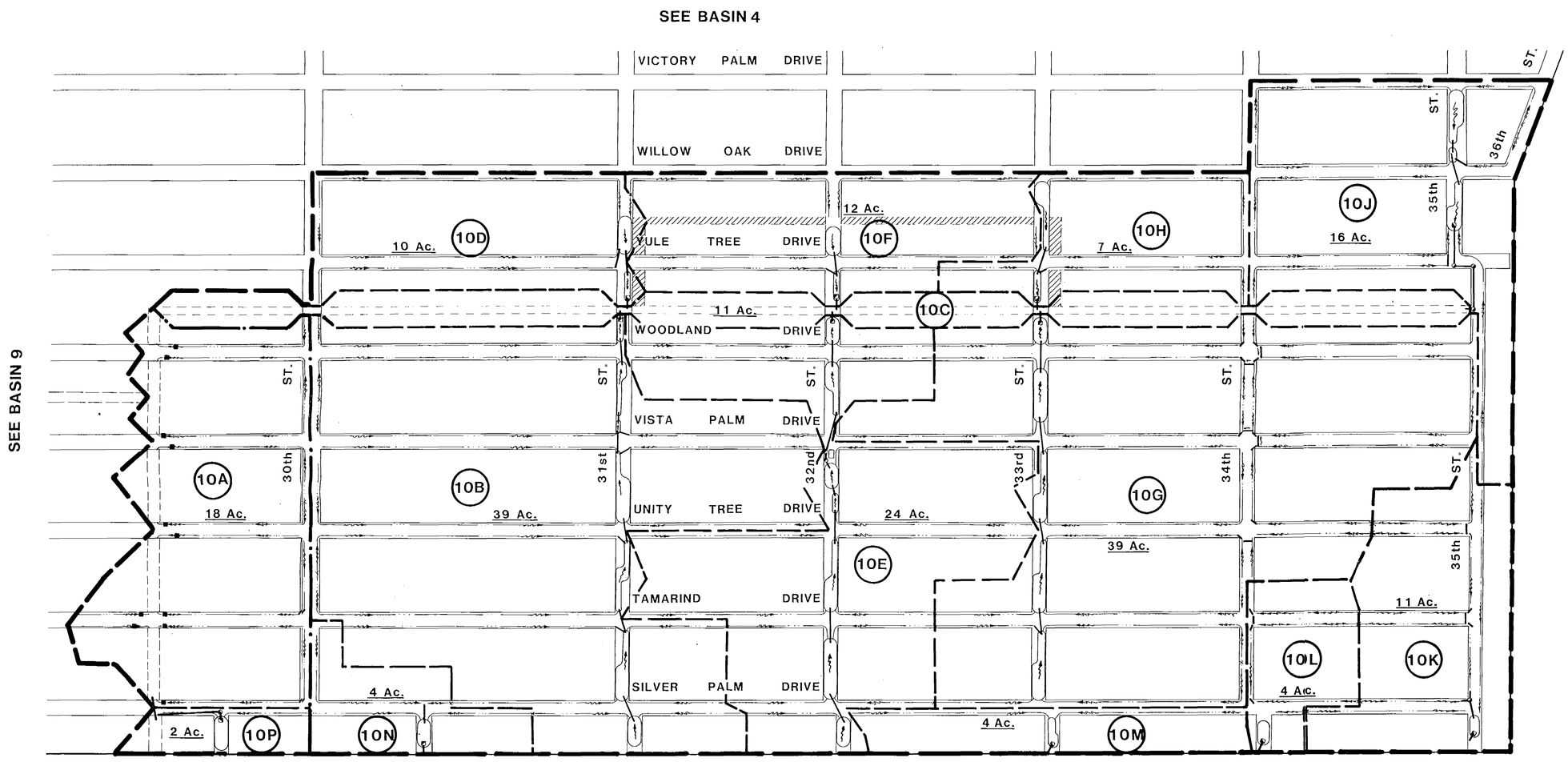
SHEET 10 OF 11



LEGEND

- PROP. CHECK DAM
- PROP. CONTROL STRUCTURE
- FLOW DIRECTIONAL ARROW
- MASTER DRAINAGE BASIN LINE
- CANAL SUBBASIN LINE
- SYSTEM BASIN LINE
- (10A) SYSTEM BASIN NAME
- CANAL EASEMENT
- DRY DRAINAGE EASEMENT

4/26/91

APR 28 1991

DATE	REVISIONS	REVISED BY	CHECKED BY
3-6-91	AS SUBMITTED TO SJRWMD		

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DYER, RIDDLE, MILLS & PRECOURT, INC.
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MASTER DRAINAGE BASIN 10

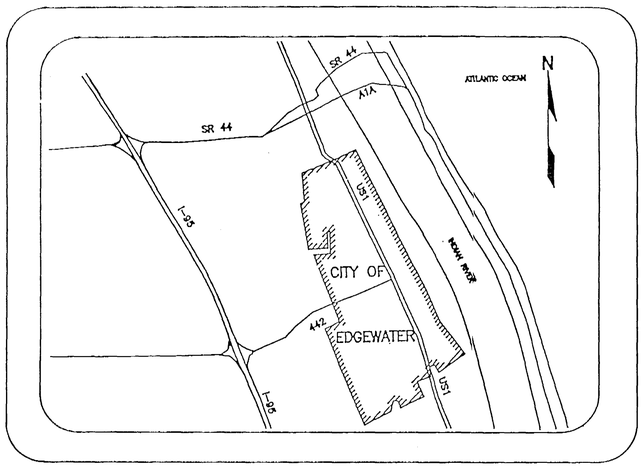
CITY OF EDGWATER, FLORIDA
FLORIDA SHORES CAPITAL IMPROVEMENTS

PROJECT NO. 87-400
DATE AUGUST, 1990
SCALE 1" = 200'±
SHEET 11 OF 11

CITY OF EDGEWATER
FLORIDA SHORES

MASTER DRAINAGE BASIN PLAN

VOLUSIA COUNTY, FLORIDA



VICINITY MAP

PREPARED FOR:
THE CITY OF EGDEWATER

PREPARED BY:
DYER, RIDDLE, MILLS & PRECOURT, INC.
1505 EAST COLONIAL DRIVE
ORLANDO, FLORIDA 32853-8505
TEL. (407) 896-0594

INDEX OF DRAWINGS

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8. MASTER DRAINAGE BASIN 7
9. MASTER DRAINAGE BASIN 8
10. MASTER DRAINAGE BASIN 9
11. MASTER DRAINAGE BASIN 10

RECEIVED
MAR 06 1991
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RECORDS
ORLANDO

4-127-0192AG

3/4/91

JOB NO. 87-400.17

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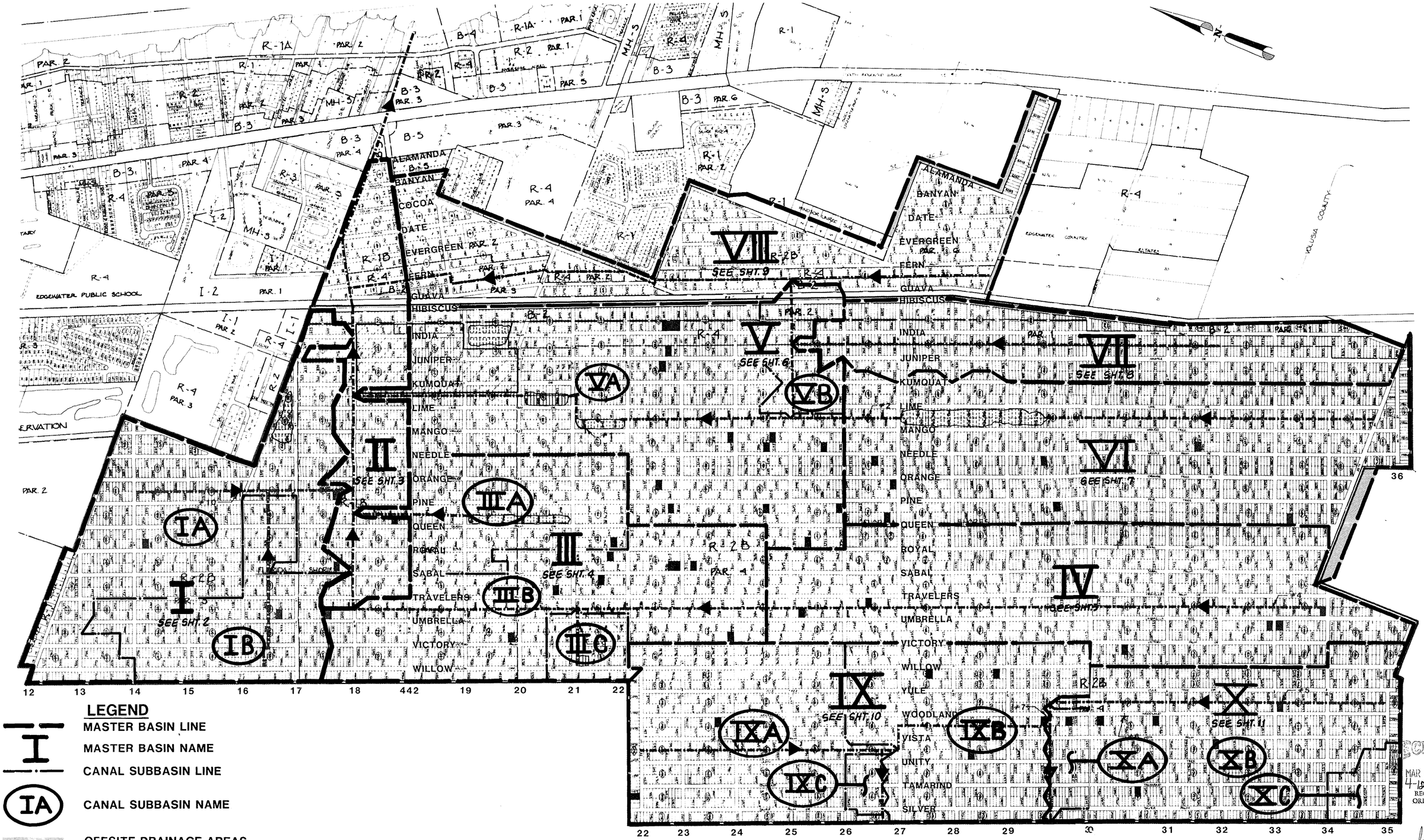
MAR 04 1991



LEGEND

- MASTER BASIN LINE
- MASTER BASIN NAME
- CANAL SUBBASIN LINE
- CANAL SUBBASIN NAME
- OFFSITE DRAINAGE AREAS
- CANAL LOCATION & DIRECTION OF FLOW

DATE	REVISIONS	REVISED BY	CHECKED BY

FLORIDA SHORES DEVELOPMENT
CITY OF EDGEWATER
EDGEWATER, FLORIDA

DYER, RIDDLE, MILLS AND PRECOURT, INC.
ENGINEERS - SURVEYORS
ORLANDO TAMPA

DESIGNED BY | DRAWN BY | CHECKED BY | APPROVED BY

MASTER DRAINAGE KEY MAP

CITY OF EDGEWATER, FLORIDA
FLORIDA SHORES CAPITAL IMPROVEMENTS

PROJECT NO 87-400.17
DATE NOV, 1990
SCALE 1"-600'
SHEET 1 OF 11

RECEIVED
MAR 06
4-192-0192AG
RECORDS
ORLANDO

3/4/91

MAR 04 1991

RECEIVED
MAR 06 1991
4-127-0192A6
RECORDS
ORLANDO

DATE	REVISIONS	REVISED BY	CHECKED BY

CADD	NAME	DATE
DESIGNED BY	—	—
DRAWN BY	—	—
CHECKED BY	—	—
APPROVED BY	—	—
CADD FILE NAME		

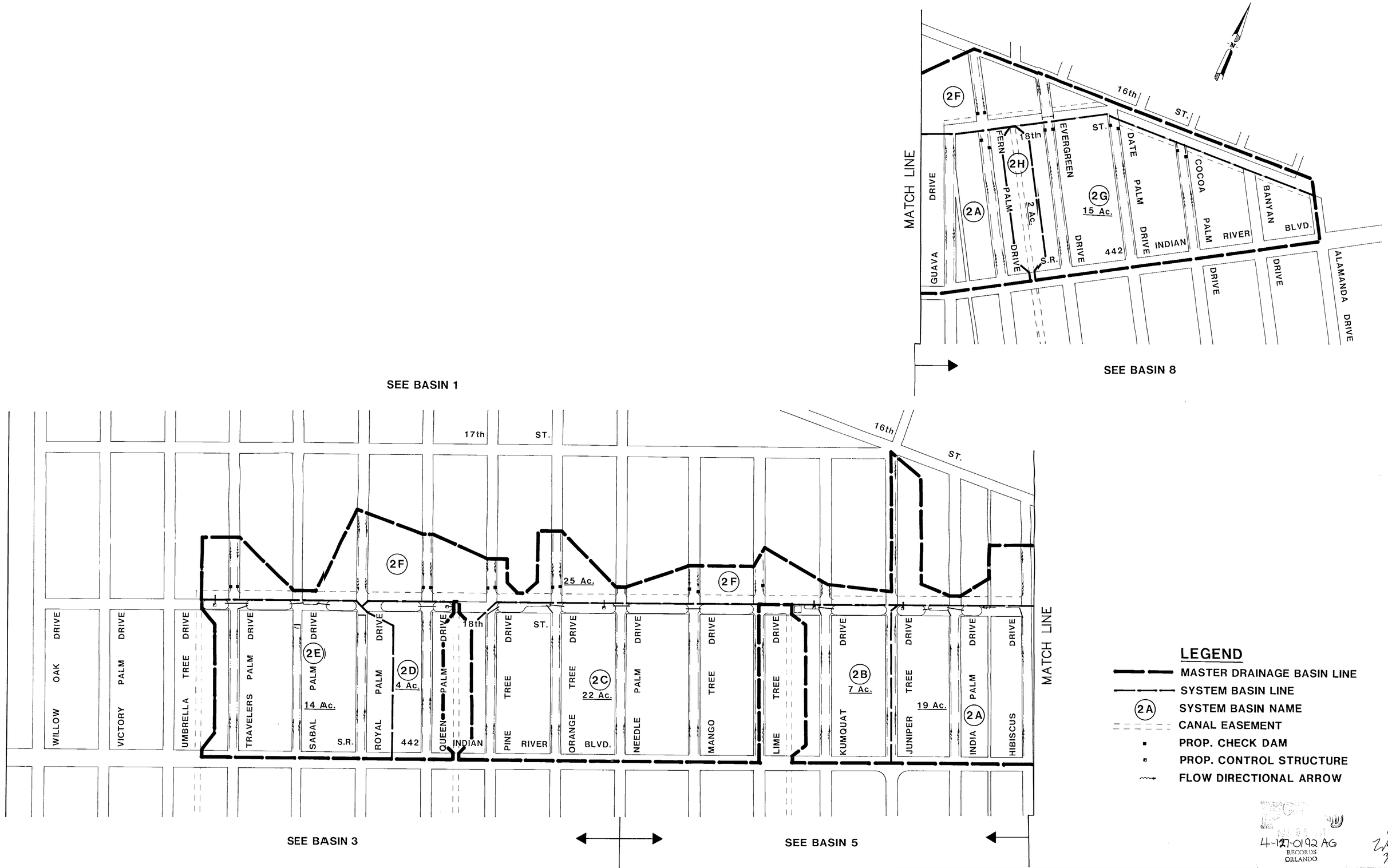
DYER, RIDDLE, MILLS & PRECOURT, INC.
ENGINEERS • SURVEYORS • SCIENTISTS • PLANNERS
ORLANDO — TAMPA

MASTER DRAINAGE BASIN 1

CITY OF EDGWATER, FLORIDA
FLORIDA SHORES CAPITAL IMPROVEMENTS

PROJECT NO. 87-400
DATE AUGUST, 1990
SCALE 1" = 200'±
SHEET 2 OF 11

MAR 04 1991



4-127-0192 AG
RECORDS
ORLANDO

DATE	REVISIONS	REVISED BY	CHECKED BY

CADD	NAME	DATE
DESIGNED BY	—	—
DRAWN BY	—	—
CHECKED BY	—	—
APPROVED BY	—	—
CADD FILE NAME		

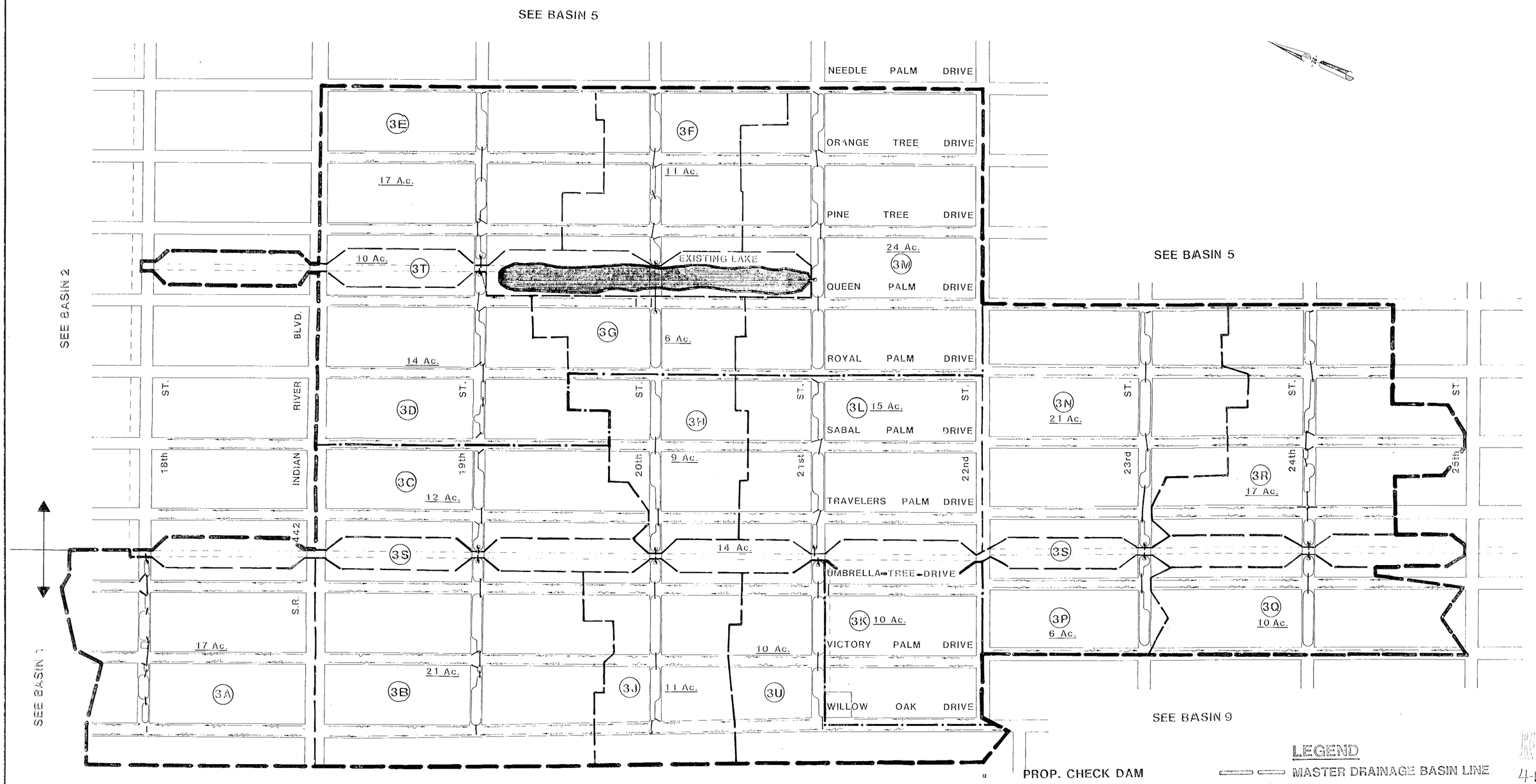
DYER, RIDDLE, MILLS & PRECOURT, INC.
ENGINEERS • SURVEYORS • SCIENTISTS • PLANNERS
ORLANDO — TAMPA

MASTER DRAINAGE BASIN 2

CITY OF EDGWATER, FLORIDA
FLORIDA SHORES CAPITAL IMPROVEMENTS

PROJECT NO. 87-400
DATE AUGUST, 1990
SCALE 1" = 200'±
SHEET 3 OF 11

MAR 04 1991



LEGEND

- PROP. CHECK DAM
- PROP. CONTROL STRUCTURE
- FLOW DIRECTIONAL ARROW
- MASTER DRAINAGE BASIN LINE
- CANAL SUBBASIN LINE
- SYSTEM BASIN LINE
- (3K) SYSTEM BASIN NAME
- CANAL EASEMENT
- LAKE LOT

MAR 06 1991
4-127-019DAG
RECORDS
ORLANDO

DATE	REVISIONS	REVISED BY	CHECKED BY

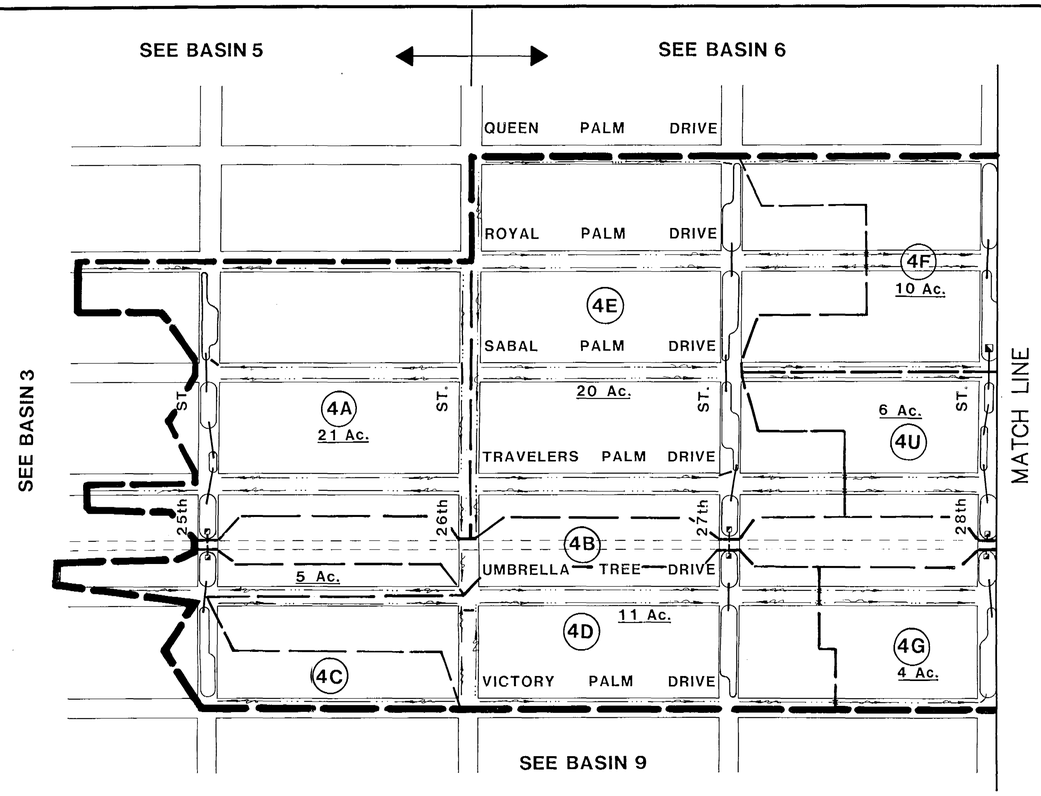
CADD	NAME	DATE
DESIGNED BY		
DRAWN BY		
CHECKED BY		
APPROVED BY		
CADD FILE NAME		

DYER, RIDDLE, MILLS & PRECOURT, INC.
ENGINEERS • SURVEYORS • SCIENTISTS • PLANNERS
ORLANDO — TAMPA

MASTER DRAINAGE BASIN 3

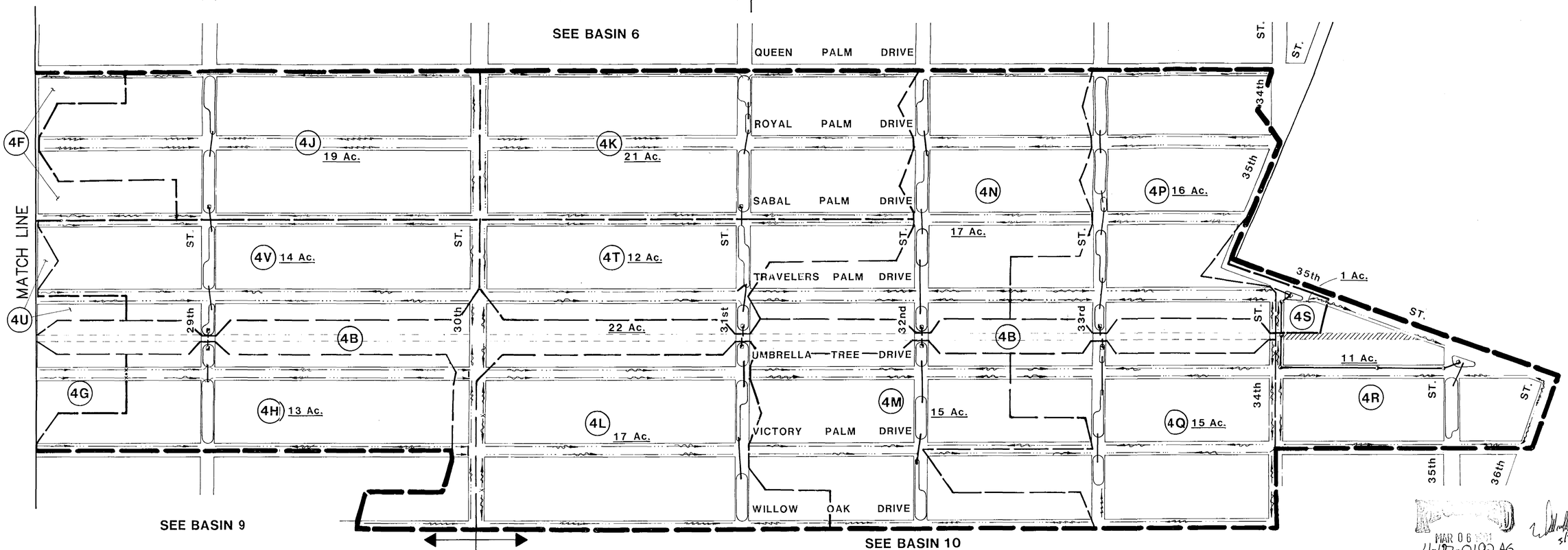
CITY OF EDGWATER, FLORIDA
FLORIDA SHORES CAPITAL IMPROVEMENTS

PROJECT NO. 87-400
DATE AUGUST, 1990
SCALE 1" = 200'±
SHEET 4 OF 11



LEGEND

- MASTER DRAINAGE BASIN LINE
- SYSTEM BASIN LINE
- (4A) SYSTEM BASIN NAME
- CANAL EASEMENT
- DRY DRAINAGE EASEMENT
- PROP. CHECK DAM
- PROP. CONTROL STRUCTURE
- FLOW DIRECTIONAL ARROW



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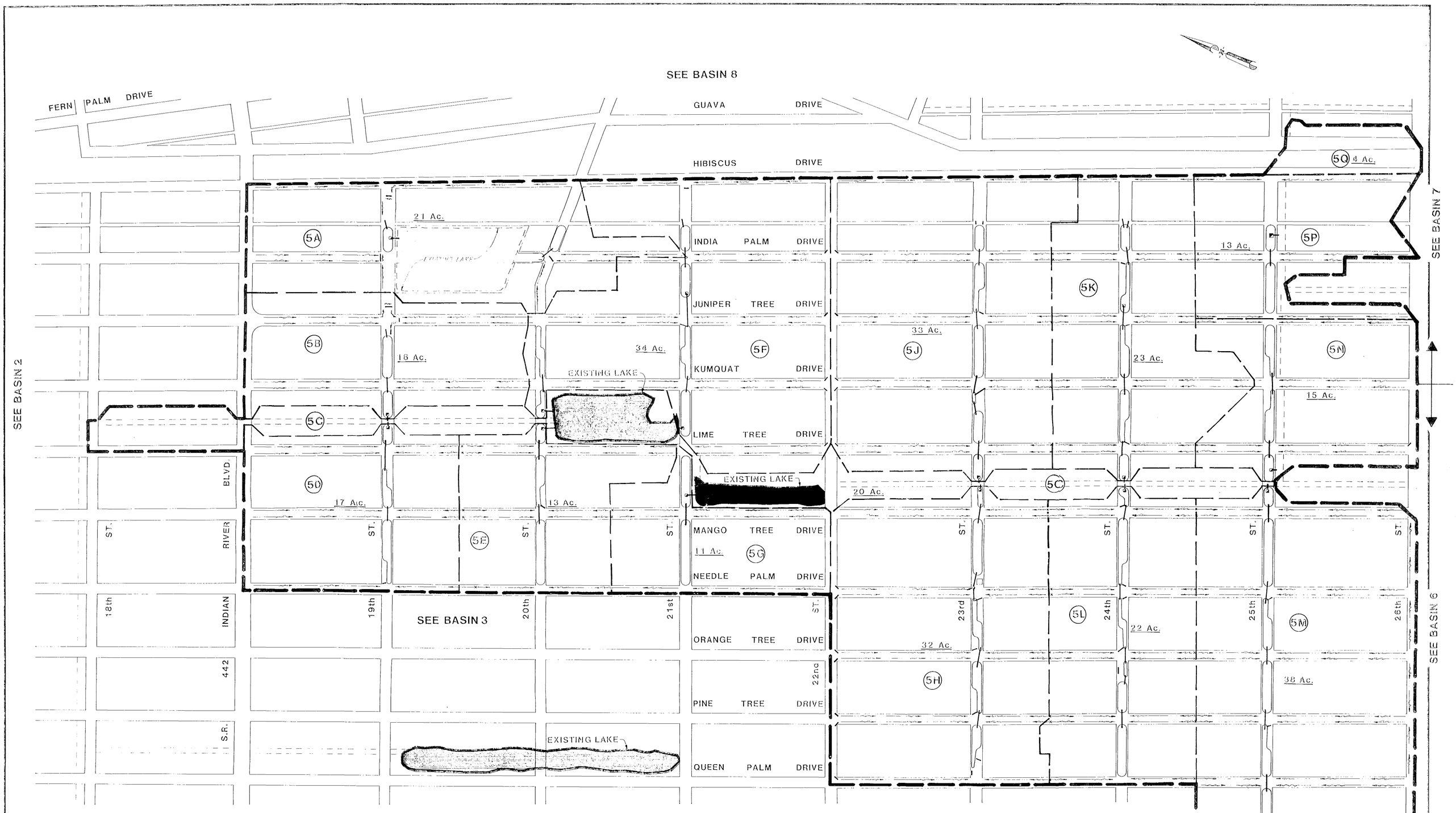
MASTER DRAINAGE BASIN 4

CITY OF EDGWATER, FLORIDA
FLORIDA SHORES CAPITAL IMPROVEMENTS

PROJECT NO. 87-400
DATE AUGUST, 1990
SCALE 1" = 200'±
SHEET 5 OF 11

RECEIVED MAR 06 1991 RECORDS ORLANDO
4-127-0192 A6
3/4/91

MAR 04 1991



LEGEND

- MASTER DRAINAGE BASIN LINE
- CANAL SUBBASIN LINE
- SYSTEM BASIN LINE
- (5L) SYSTEM BASIN NAME
- CANAL EASEMENT
- LAKE LOT
- PROP. CHECK DAM
- PROP. CONTROL STRUCTURE
- FLOW DIRECTIONAL ARROW

DATE	REVISIONS	REVISED BY	CHECKED BY

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DRAWN BY		
CHECKED BY		
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MASTER DRAINAGE BASIN 5

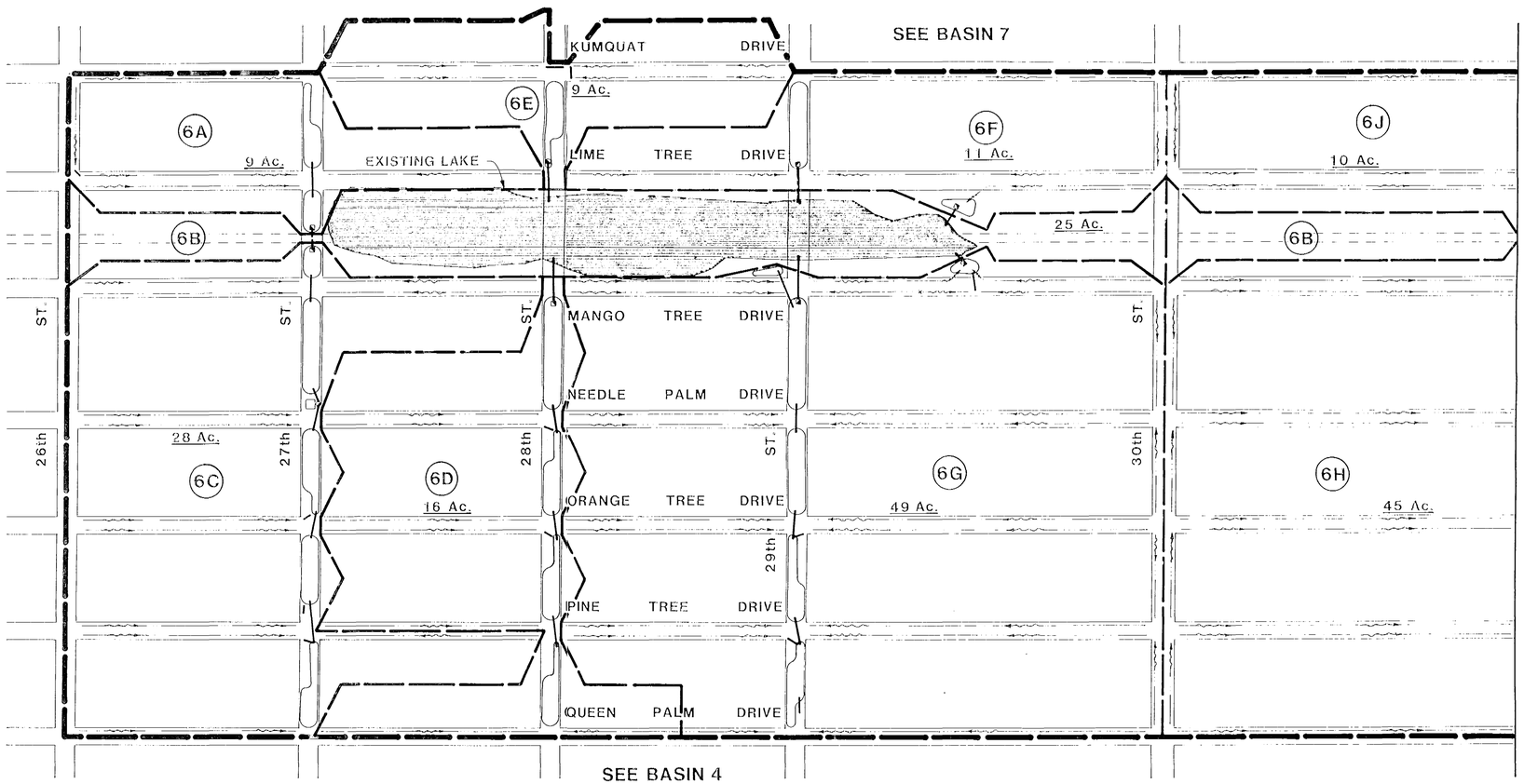
CITY OF EDGWATER, FLORIDA
FLORIDA SHORES CAPITAL IMPROVEMENTS

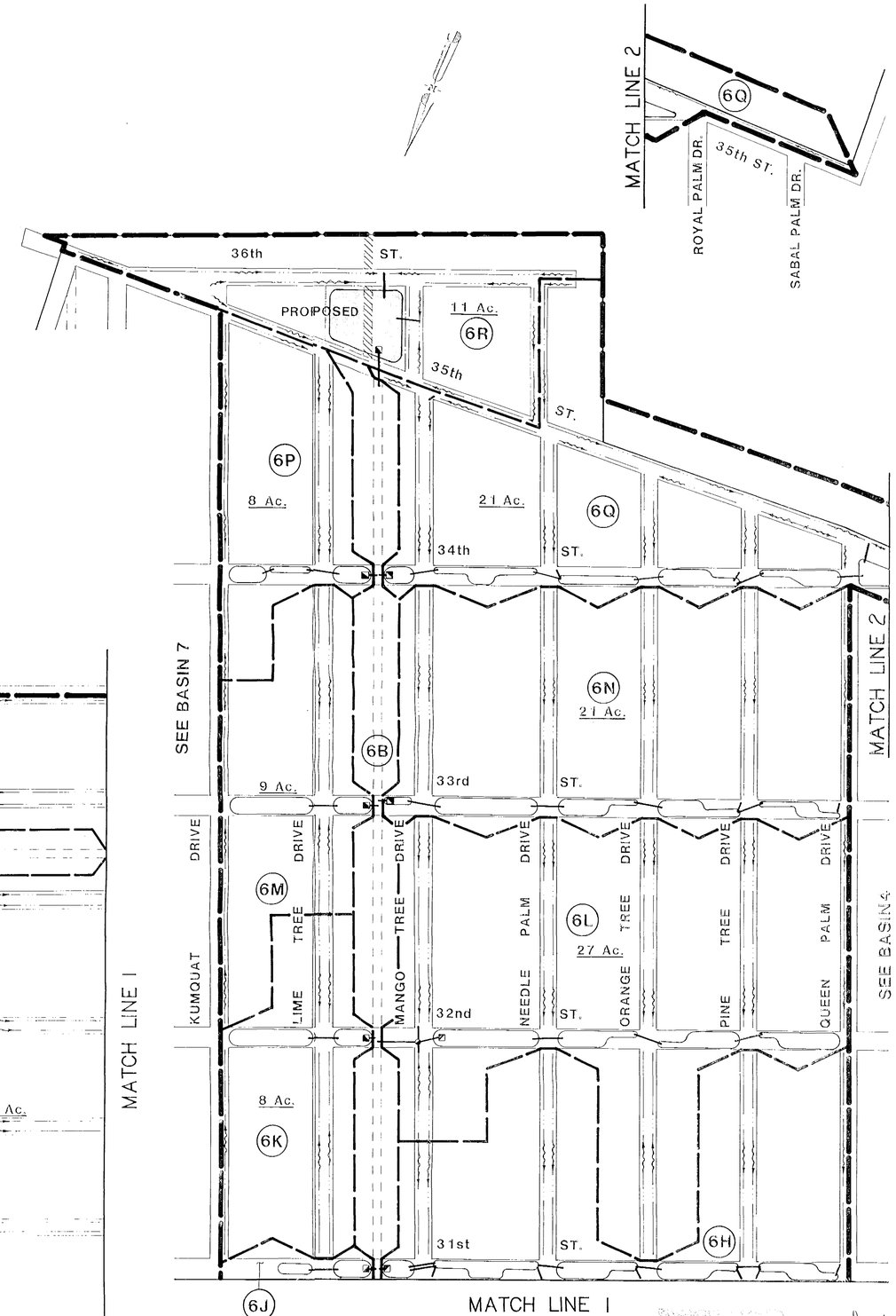
4-12-0192A6
RECORDS ORLANDO

PROJECT NO. 87-400
DATE AUGUST, 1990
SCALE 1" = 200'±
SHEET 6 OF 11

LEGEND

- MASTER DRAINAGE BASIN LINE
- SYSTEM BASIN LINE
- (6A) SYSTEM BASIN NAME
- CANAL EASEMENT
- DRY CANAL EASEMENT
- DRY DRAINAGE EASEMENT
- LAKE LOT
- PROP. CHECK DAM
- PROP. CONTROL STRUCTURE
- FLOW DIRECTIONAL ARROW





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				DRAWN BY		
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				APPROVED BY		
DATE	REVISIONS	REVISED BY	CHECKED BY	CADD FILE NAME		

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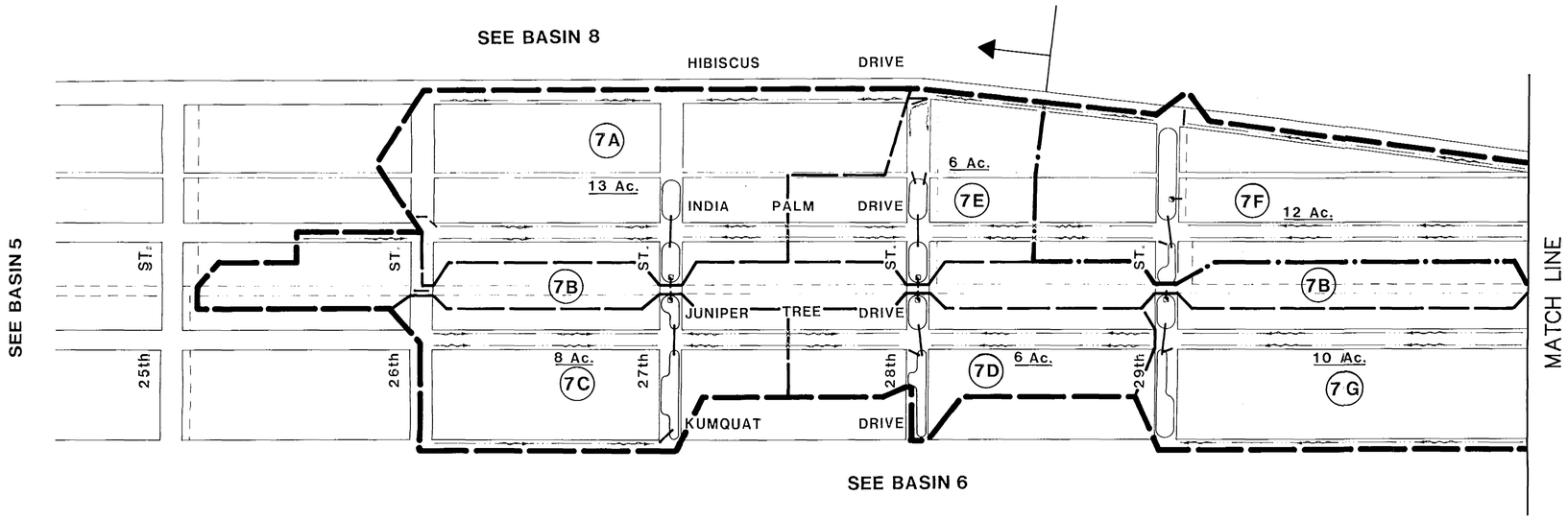
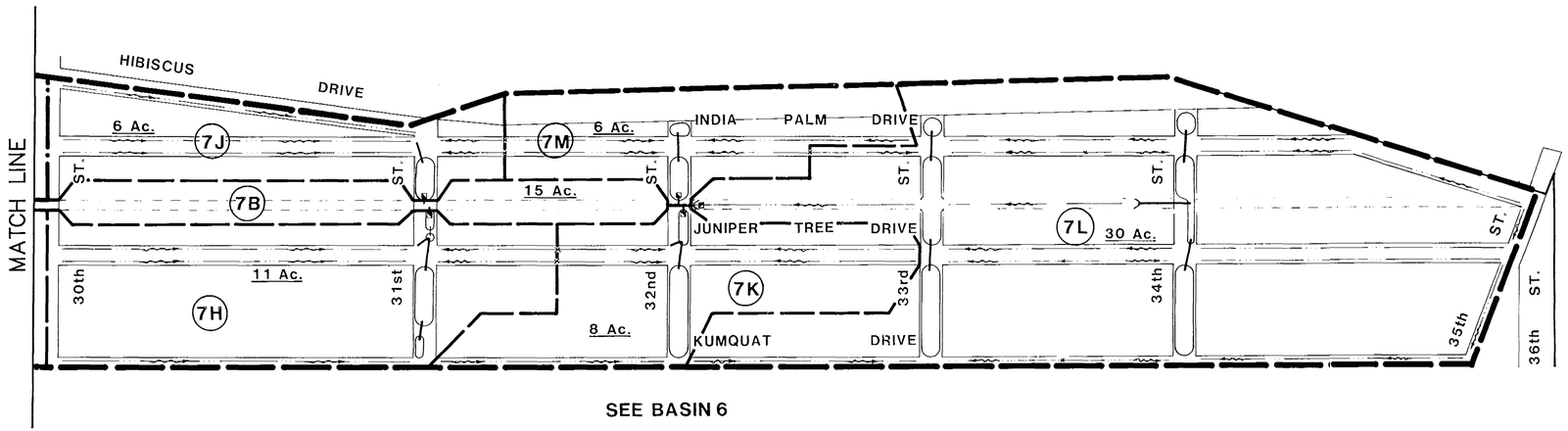
MASTER DRAINAGE BASIN 6

CITY OF EDGWATER, FLORIDA
FLORIDA SHORES CAPITAL IMPROVEMENTS

PROJECT NO. 87--400
DATE AUGUST, 1990
SCALE 1" = 200'±
SHEET 7 OF 11

4-21-0192A6





LEGEND

- PROP. CHECK DAM
- PROP. CONTROL STRUCTURE
- FLOW DIRECTIONAL ARROW
- MASTER DRAINAGE BASIN LINE
- CANAL SUBBASIN LINE
- SYSTEM BASIN LINE
- (7A) SYSTEM BASIN NAME
- CANAL EASEMENT
- DRY CANAL EASEMENT

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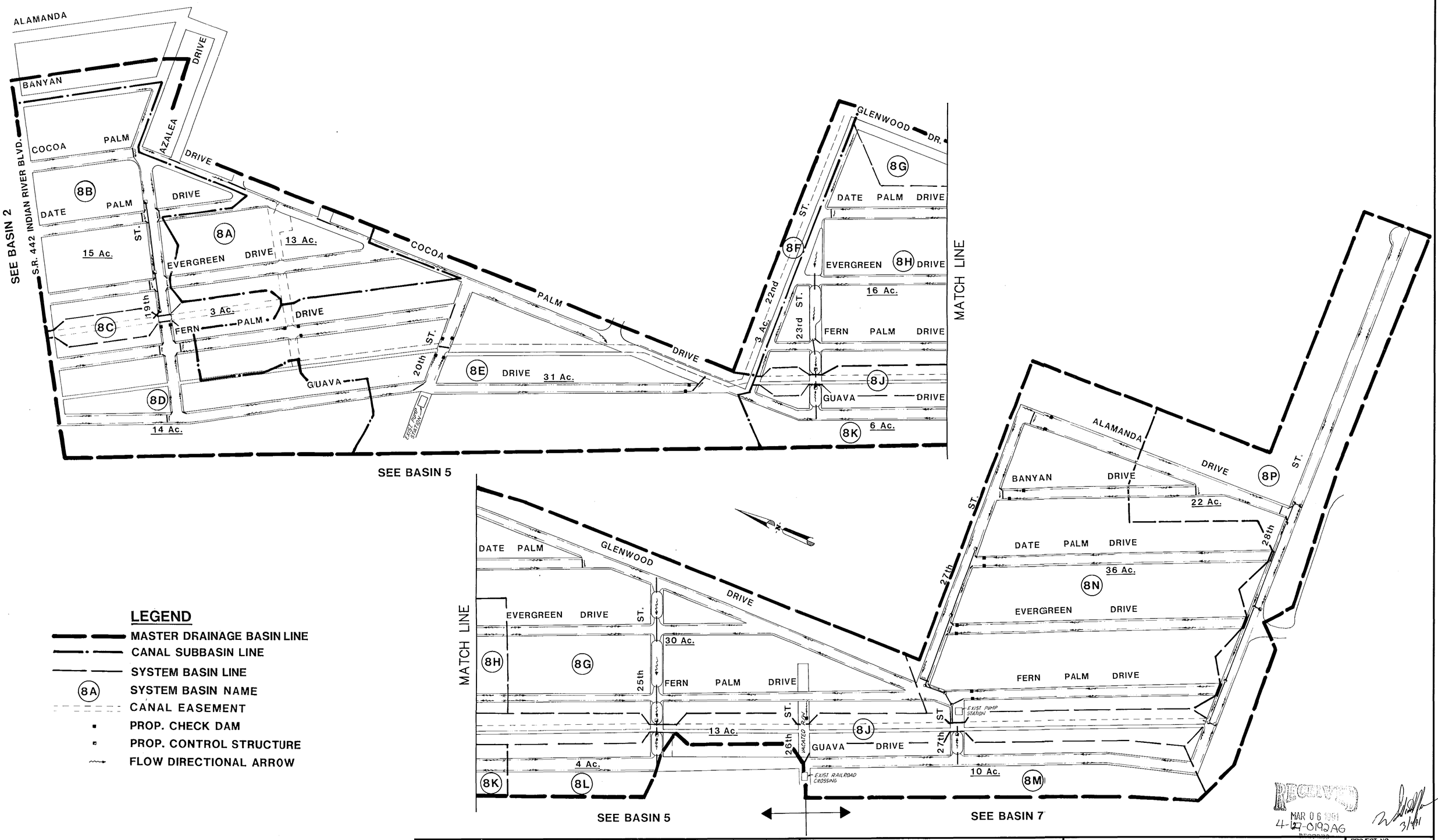
MASTER DRAINAGE BASIN 7

CITY OF EDGWATER, FLORIDA
FLORIDA SHORES CAPITAL IMPROVEMENTS

PROJECT NO. 87-400
DATE AUGUST, 1990
SCALE 1" = 200'±
SHEET 8 OF 11

MAR 04 1991



LEGEND

- MASTER DRAINAGE BASIN LINE
- CANAL SUBBASIN LINE
- SYSTEM BASIN LINE
- (8A) SYSTEM BASIN NAME
- CANAL EASEMENT
- PROP. CHECK DAM
- PROP. CONTROL STRUCTURE
- FLOW DIRECTIONAL ARROW

DATE	REVISIONS	REVISED BY	CHECKED BY

CADD	NAME	DATE
DESIGNED BY	—	—
DRAWN BY	—	—
CHECKED BY	—	—
APPROVED BY	—	—
CADD FILE NAME		

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MASTER DRAINAGE BASIN 8

CITY OF EDGWATER, FLORIDA
FLORIDA SHORES CAPITAL IMPROVEMENTS

PROJECT NO. 87-400
DATE AUGUST, 1990
SCALE 1" = 200'±
SHEET 9 OF 11

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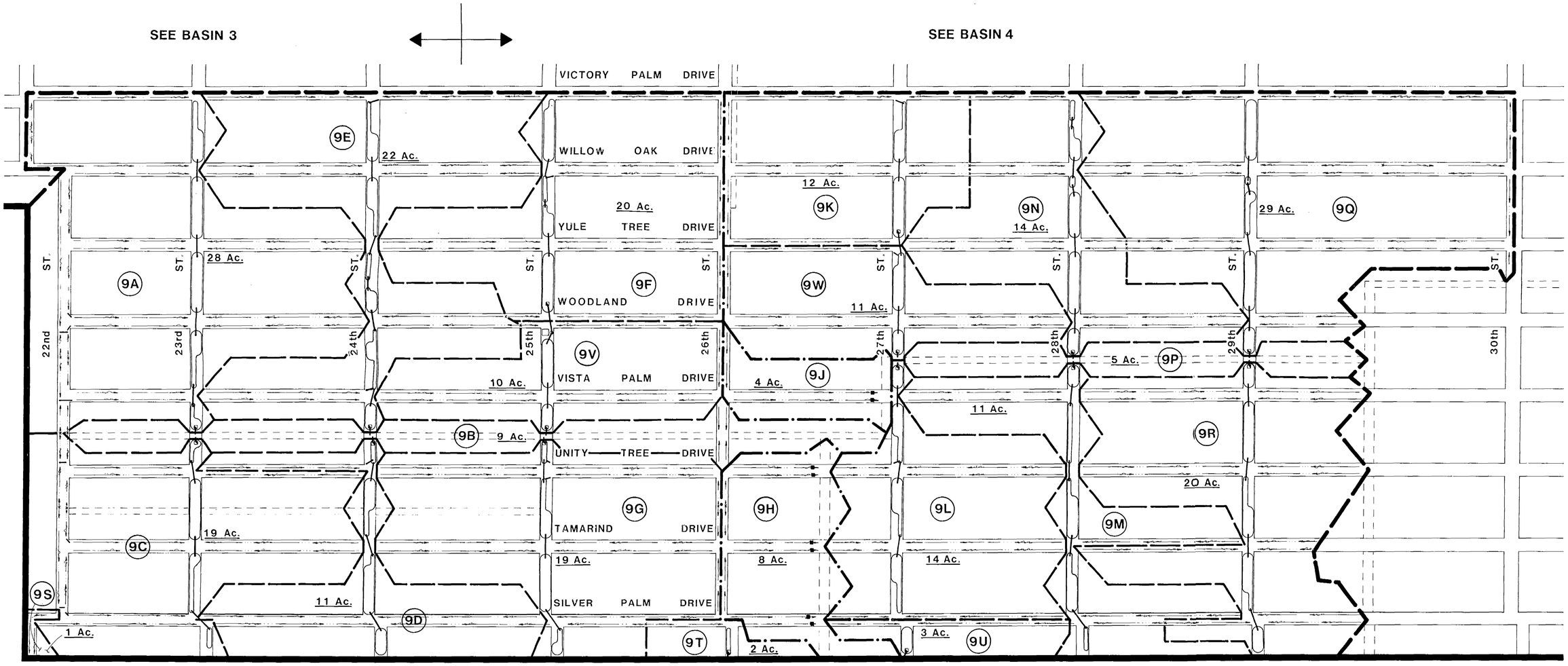
MAR 04 1991



LEGEND

- PROP. CONTROL STRUCTURE
- FLOW DIRECTIONAL ARROW
- CANAL EASEMENT
- DRY CANAL EASEMENT
- PROP. CHECK DAM
- MASTER DRAINAGE BASIN LINE
- CANAL SUBBASIN LINE
- SYSTEM BASIN LINE
- (9A) SYSTEM BASIN NAME

RECEIVED MAR 06 1991 4-17-019A6 REGISTRATION OF LANDS

3/6/91

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APPROVED BY	—	—
CADD FILE NAME		

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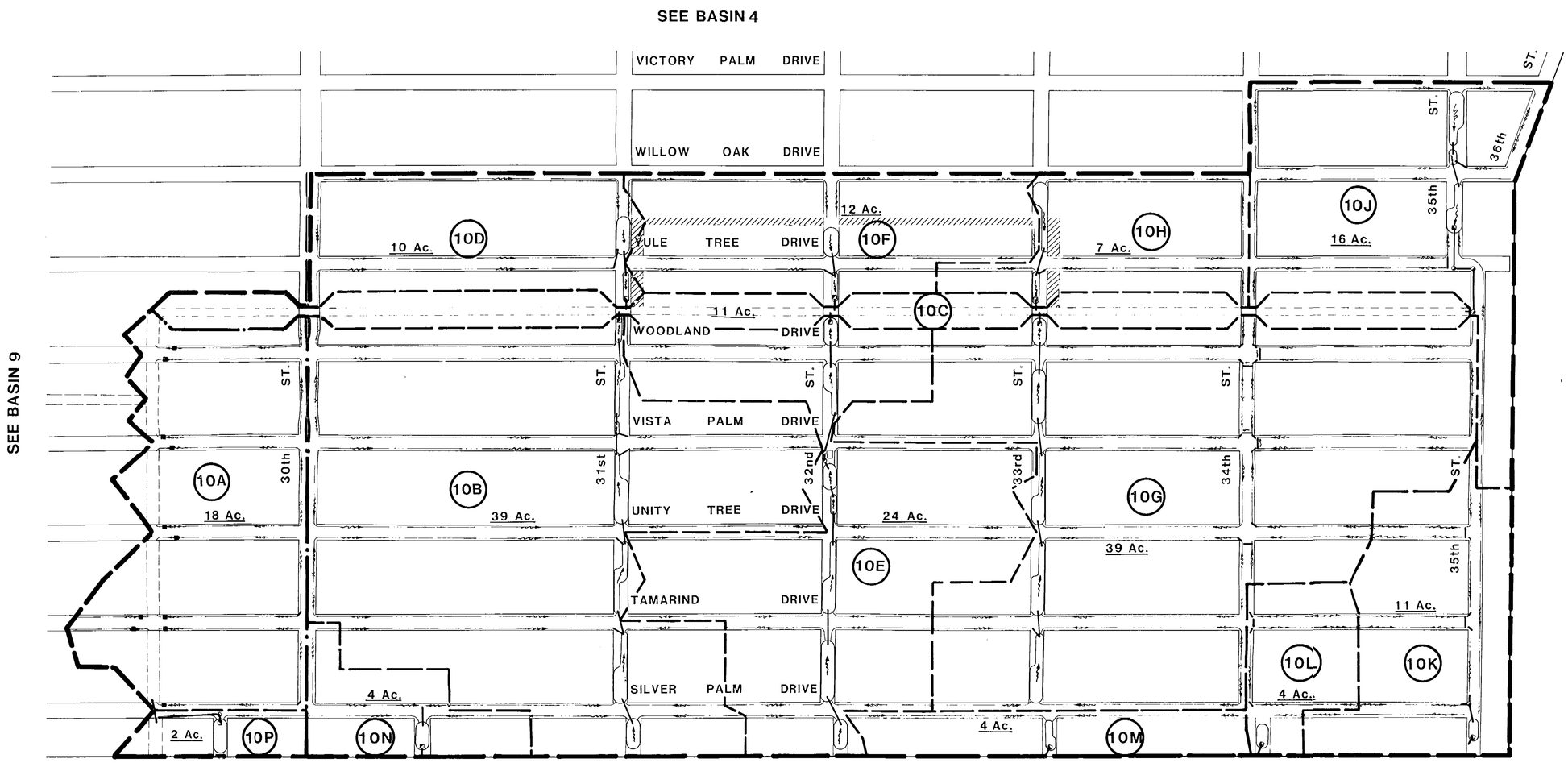
MASTER DRAINAGE BASIN 9

CITY OF EDGWATER, FLORIDA
FLORIDA SHORES CAPITAL IMPROVEMENTS

PROJECT NO. 87-400
DATE AUGUST, 1990
SCALE 1" = 200'±
SHEET 10 OF 11

MAR 04 1991



LEGEND

- PROP. CHECK DAM
- PROP. CONTROL STRUCTURE
- FLOW DIRECTIONAL ARROW
- MASTER DRAINAGE BASIN LINE
- CANAL SUBBASIN LINE
- SYSTEM BASIN LINE
- 10A SYSTEM BASIN NAME
- CANAL EASEMENT
- DRY DRAINAGE EASEMENT

RECEIVED
MAR 06 1991
RECORDING
ORLANDO
3/4/91

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APPROVED BY	—	—
CADD FILE NAME		

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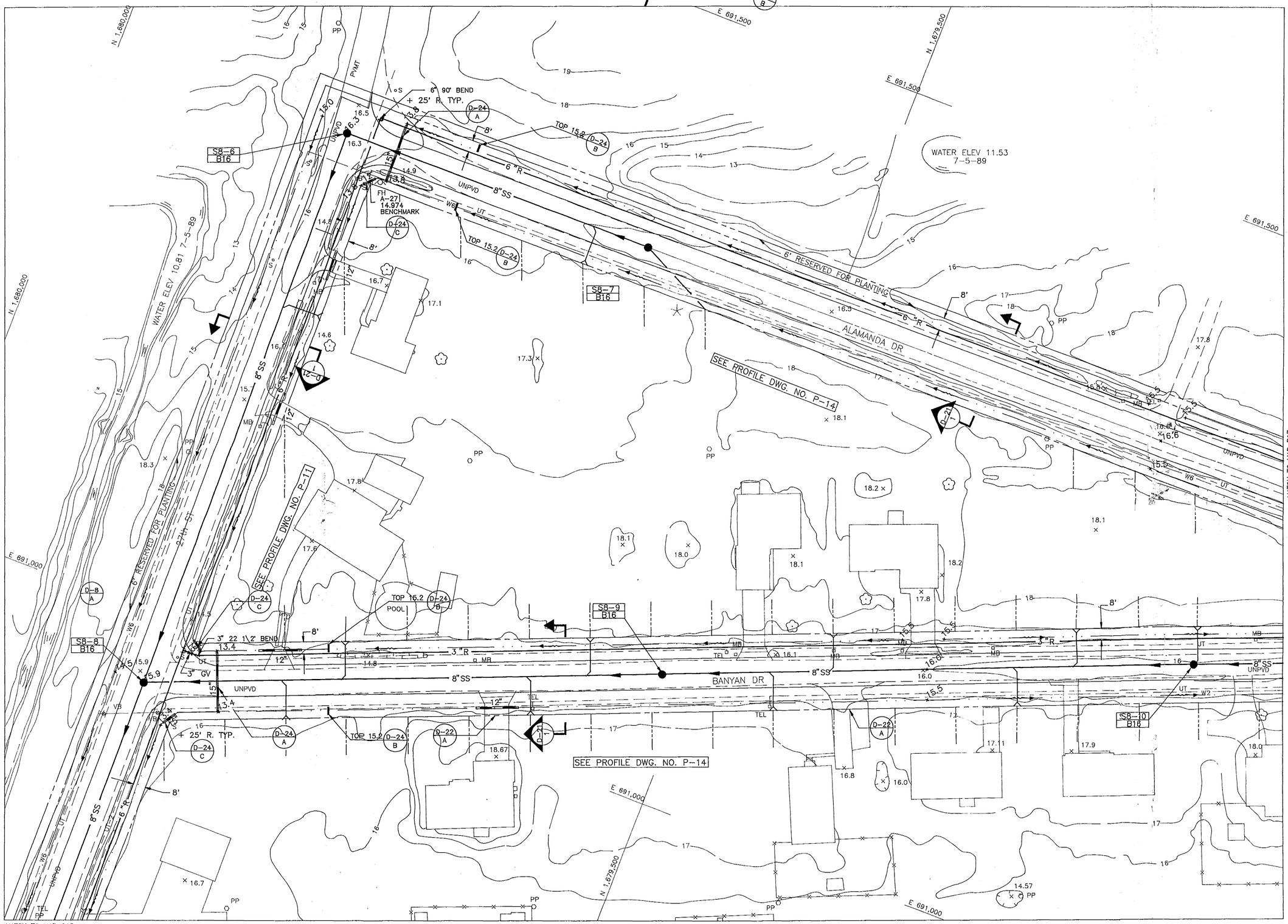
MASTER DRAINAGE BASIN 10

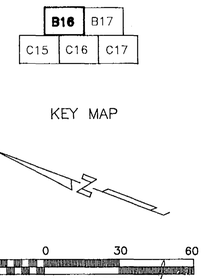
CITY OF EDGWATER, FLORIDA
FLORIDA SHORES CAPITAL IMPROVEMENTS

PROJECT NO. 87-400
DATE AUGUST, 1990
SCALE 1" = 200'±
SHEET 11 OF 11

MAR 04 1991

STRUCTURE NUMBER	COORDINATE	TOP ELEV.	INVERTS
S8-6 / B16	N 1679839.03 E 691340.40	16.30	S. 11.01 W. 10.91
S8-7 / B16	N 1679628.52 E 691341.88	16.41	11.60
S8-8 / B16	N 1679833.87 E 690955.97	15.90	S. 5.20 E. 9.83 W. 5.10
S8-9 / B16	N 1679518.79 E 691083.84	15.97	6.16
S8-10 / B16	N 1679194.46 E 691215.53	16.14	7.14





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APR 29 1991 RECORDS ORLANDO 4-127-0192AG

S-B16

DATE	REVISIONS	REVISED BY	CHECKED BY

CADD	NAME	DATE
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CADD FILE NAME	8744B16	

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PLAN
B16

CITY OF EDGEWATER, FLORIDA
FLORIDA SHORES CAPITAL IMPROVEMENTS

PROJECT NO. 87-400
DATE JULY 1990
SCALE 1"=30'
SHEET 12 OF –

MATCH TO MAP B16

MATCH TO MAP C14

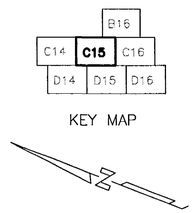
MATCH TO MAP C16

MATCH TO MAP D14

MATCH TO MAP D15

STRUCTURE NUMBER	COORDINATE	TOP ELEV.	INVERTS
S8-12 / C15	N 1679850.72 E 690625.85	15.60	E. 4.19 S. 7.90 W. 4.19
S8-21 / C15	N 1679846.70 E 690303.72	15.60	E. 3.28 S. 7.57 W. 3.28
S8-22 / C15	N 1679476.02 E 690454.18	15.80	8.69

STRUCT. NO./TYPE		COORDINATE	DETAIL REF.	TOP OR CONTROL EL.	INVERTS
I-1 / C15	D	N 1679810.36 E 691310.42	D-25 / C	14.2	9.6
I-2 / C15 TYPE-J	D	N 1679806.37 E 690365.11	D-25 / C	14.2	E 9.3 W 9.2



KEY MAP

30 0 30 60
SCALE IN FEET

APR 26 1991

S-C15

DATE	REVISIONS	REVISED BY	CHECKED BY

CADD	NAME	DATE
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CADD FILE NAME	8744C15	

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PLAN C15

CITY OF EDGEWATER, FLORIDA
FLORIDA SHORES CAPITAL IMPROVEMENTS

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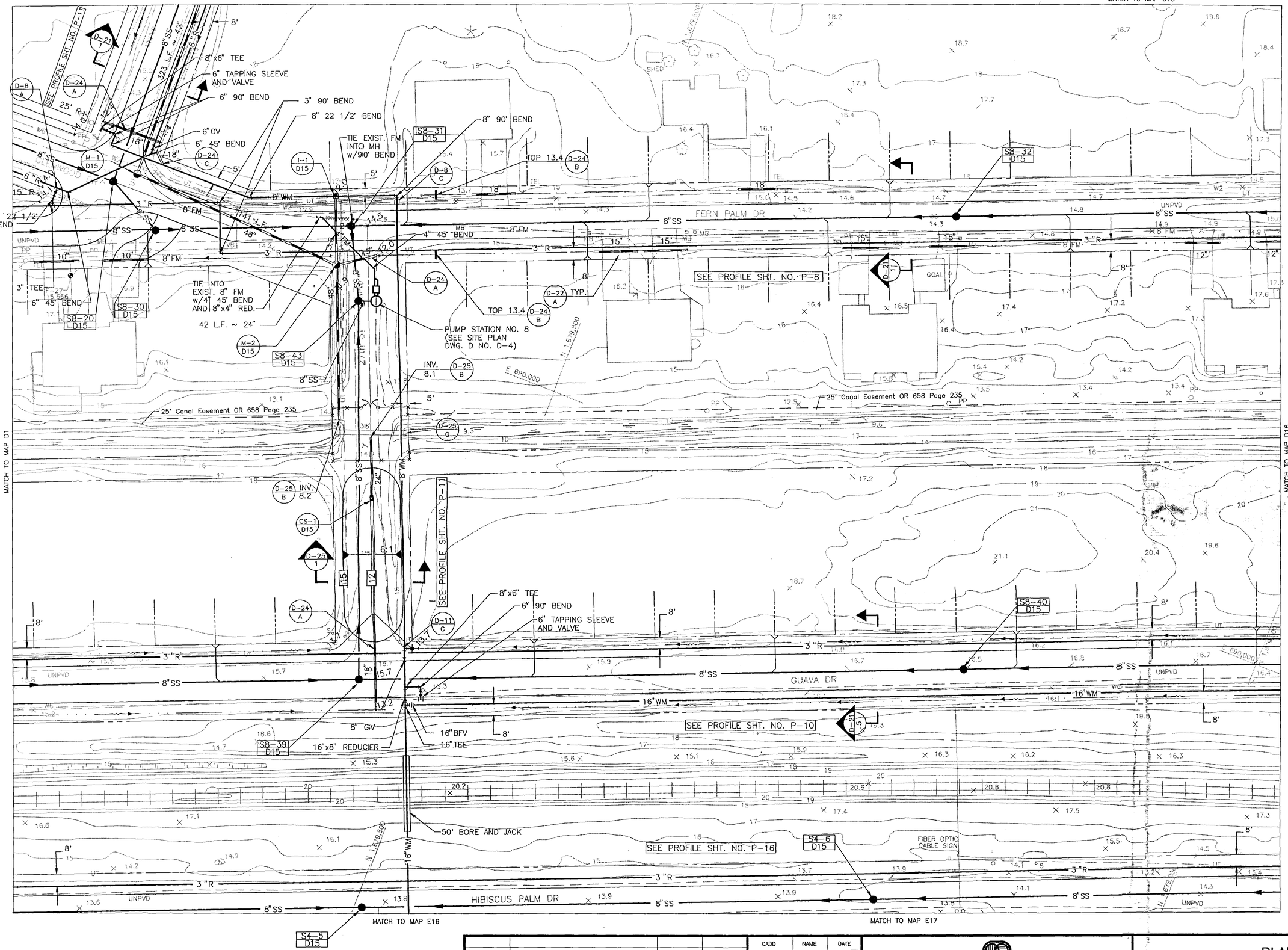
4-127-0192-A6
RECORDS
ORLANDO

PROJECT NO. 87-400
DATE JULY 1990
SCALE 1"=30'
SHEET 22 OF –

MATCH TO MAP C15

MATCH TO MAP C16



STRUCTURE NUMBER	COORDINATE	TOP ELEV.	INVERTS
S4-5 / D15	N 1679494.94 E 689636.74	13.81	N. 5.68 E. 3.74 S. 3.82
S4-6 / D15	N 1679181.75 E 689763.83	14.03	4.72
S8-20 / D15	N 1679822.08 E 690024.56	14.25	N. 5.90 E. 2.47 W. 2.37
S8-30 / D15	N 1679784.34 E 690004.28	14.22	N. 4.90 E. 2.25 S. 2.15
S8-31 / D15	N 1679663.80 E 690053.90	14.33	N. 1.78 S. 7.36 W. 1.60
S8-32 / D15	N 1679293.18 E 690204.37	15.05	8.46
S8-39 / D15	N 1679550.99 E 689776.08	15.73	N. 6.05 E. 2.10 S. 9.19
S8-40 / D15	N 1679180.38 E 689926.57	16.29	10.31
S8-43 / D15	N 1679641.27 E 690009.05	16.66	E. 1.54 S. 1.30 W. 1.40
P.S. NO.8	N 1679631.10 E 690013.08	18.00	1.28

STRUCT. NO./TYPE	COORDINATE	DETAIL REF.	TOP OR CONTROL EL.	INVERTS
CS-L / D15 C	N 1679586.54 E 689890.20	D-29 E	14.4	9.0
M-1 / D15 J-7T ALT. A	N 1679809.15 E 690034.84	D-29 D	12.9	E 8.7 W 8.6
I-1 / D15 C	N 1679680.54 E 690068.78	D-29 C	12.7	7.2
M-2 / D15 J-7T ALT. A	N 1679663.63 E 690026.24	D-29 D	12.9	N 8.4 E 9.1 S 11.6 W 8.4

C14	C15	C16	C17
D14	**D15**	D16	
E15	E16	E17	E18

KEY MAP

30 0 30 60

SCALE IN FEET

S-D15

APR 26 1991

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PLAN D15

CITY OF EDGEWATER, FLORIDA

FLORIDA SHORES CAPITAL IMPROVEMENTS

RECEIVED APR 29 1991 RECORDS ORLANDO

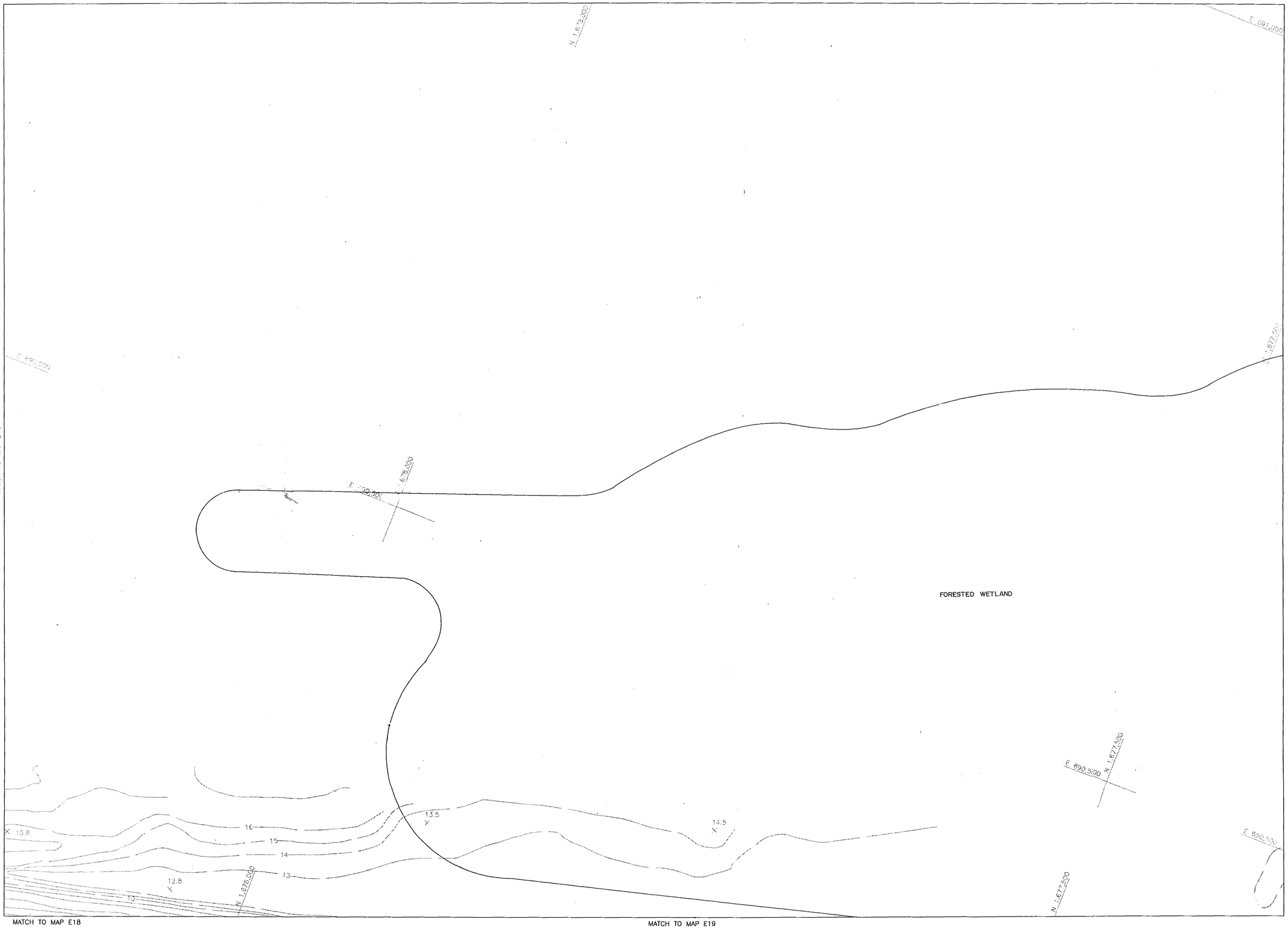
PROJECT NO. 87-400

DATE JULY 1990

SCALE 1"=30'

SHEET 34 OF —

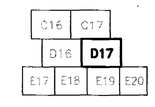
MATCH TO MAP C17



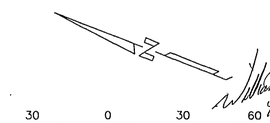
MATCH TO MAP D16

MATCH TO MAP E18

MATCH TO MAP E19



KEY MAP



4/26/91

APR 26 1991

S-D17

DATE	REVISIONS	REVISED BY	CHECKED BY

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PLAN D17

CITY OF EDGEWATER, FLORIDA

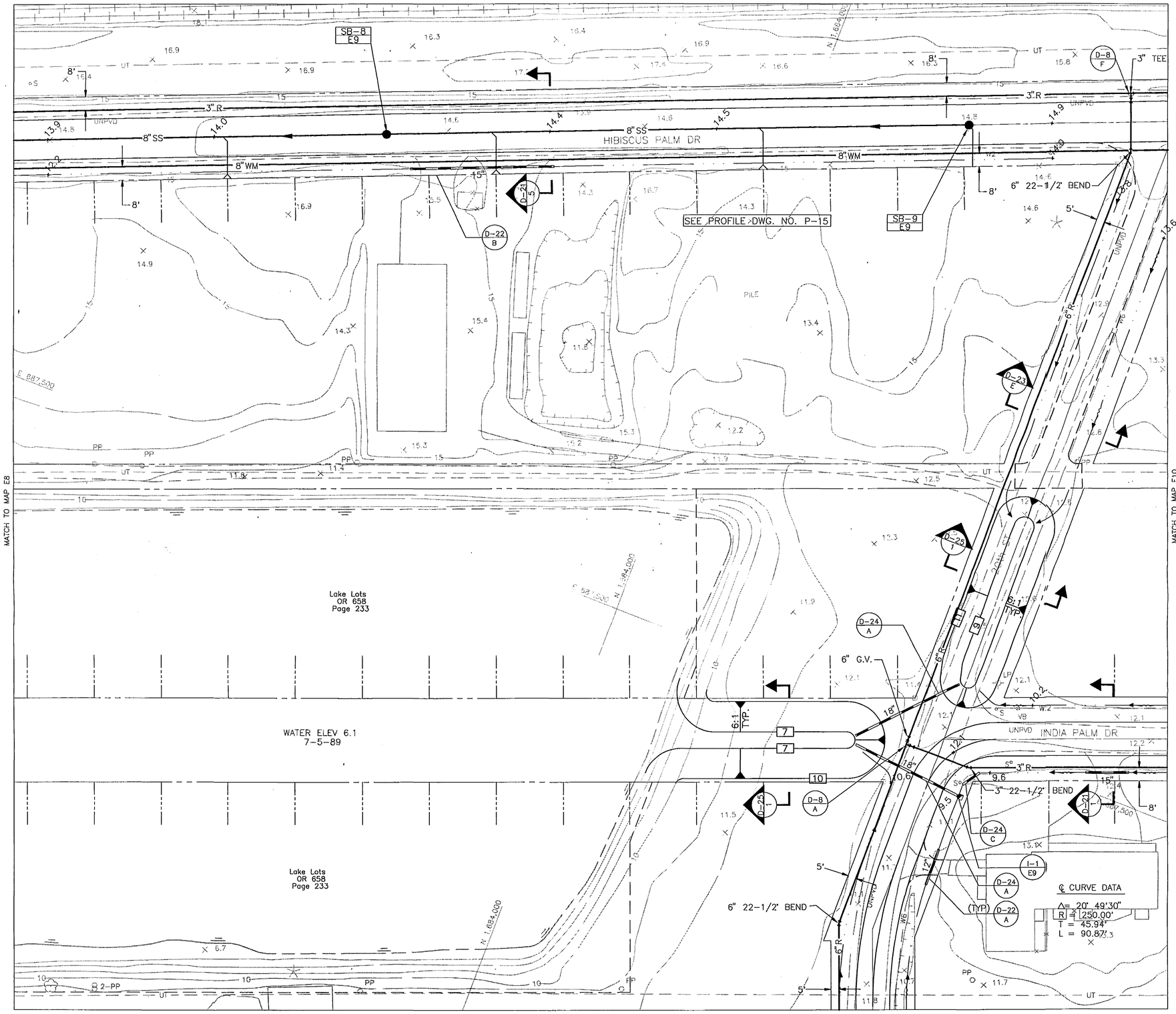
FLORIDA SHORES CAPITAL IMPROVEMENTS

RECEIVED APR 29 1991 4-1270192AG RECORDS ORLA.

PROJECT NO.	87-400
DATE	JULY 1990
SCALE	1"=30'
SHEET	36 OF –

MATCH TO MAP D8

MATCH TO MAP D9



MATCH TO MAP E8

MATCH TO MAP E10

MATCH TO MAP F9

STRUCTURE NUMBER	COORDINATE	TOP ELEV.	INVERTS
SB-8 / E9	N 1684230.56 E 687714.78	14.22	9.02
SB-9 / E9	N 1683908.12 E 687845.69	14.79	10.00

STRUCT. NO./TYPE		COORDINATE	DETAIL REF.	TOP OR CONTROL EL.	INVERTS
I-1 / E9	C	N 1683769.19 E 687469.31	D25 / C	10.0	7.1

D8	D9	D10
E8	E9	E10
F8	F9	F10

KEY MAP

SCALE IN FEET

APR 26 1991

S-E9

DATE	REVISIONS	REVISED BY	CHECKED BY

CADD	NAME	DATE
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CADD FILE NAME	8743E9	

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PLAN
E9

CITY OF EDGEWATER, FLORIDA

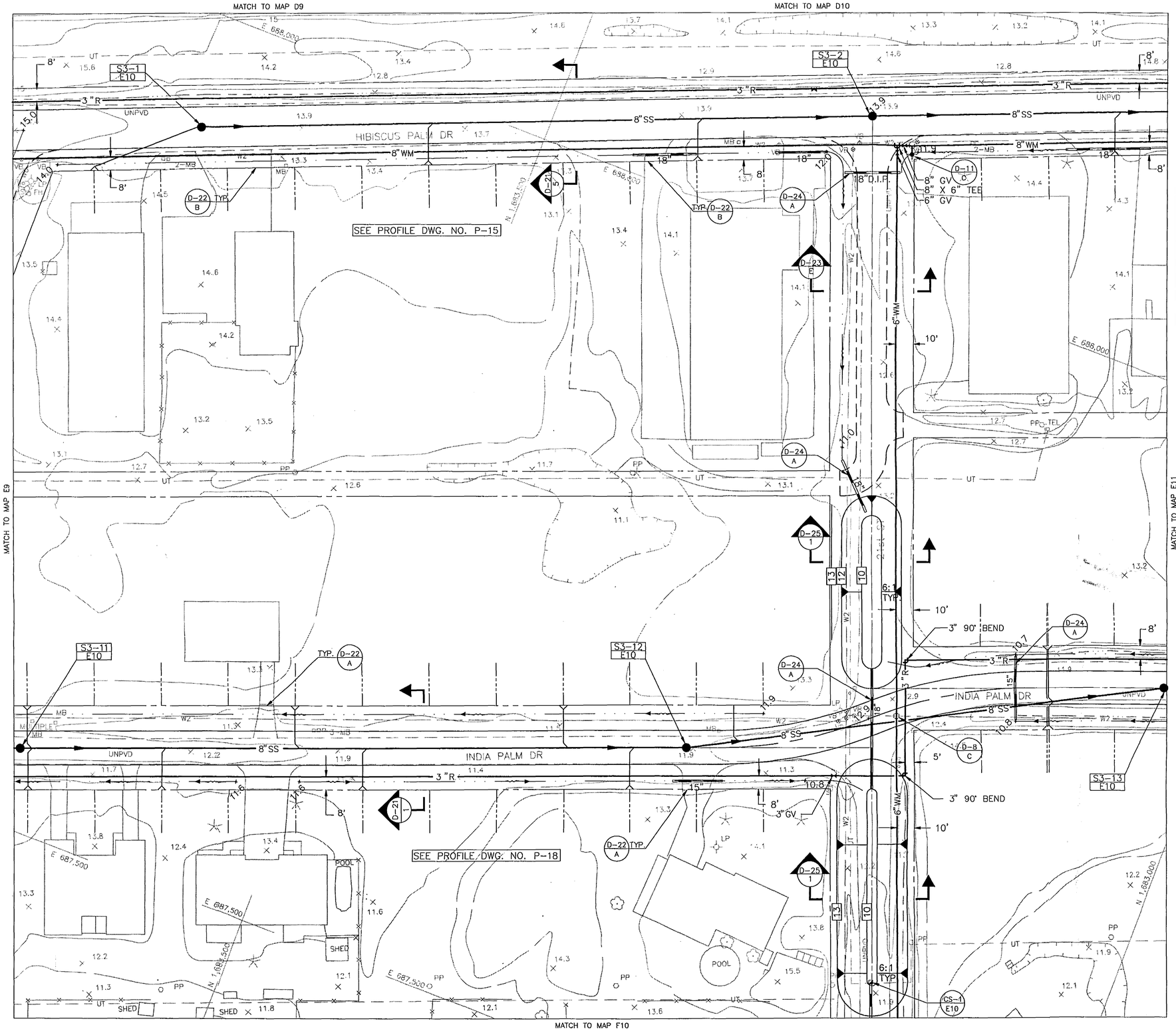
FLORIDA SHORES CAPITAL IMPROVEMENTS

RECEIVED APR 29 1991 RECORDS ORLANDO

PROJECT NO.	87-400
DATE	JULY 1990
SCALE	1"=30'
SHEET	41 OF –

MATCH TO MAP D9

MATCH TO MAP D10



MATCH TO MAP E9

MATCH TO MAP E11

MATCH TO MAP F10

STRUCTURE NUMBER	COORDINATE	TOP ELEV.	INVERTS
S3-1 E10	N 1683692.99 E 687933.03	14.77	9.20
S3-2 E10	N 1683322.32 E 688083.51	13.90	8.08
S3-11 E10	N 1683660.76 E 687547.54	12.19	7.40
S3-12 E10	N 1683289.42 E 687691.49	12.74	6.28
S3-13 E10	N 1683033.52 E 687828.22	12.79	5.47

STRUCT. NO./TYPE	COORDINATE	DETAIL REF.	TOP OR CONTROL EL.	INVERTS
CS-1 E10 C	N. 1683135.73 E. 687600.18	D-25 E	12.0	7.2

D8	D9	D10
E9	E10	E11
F9	F10	F11

KEY MAP

30 0 30 60
SCALE IN FEET

APR 26 1991

S-E10

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APR 29 1991
RECORDS
ORLANDO

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CADD	NAME	DATE
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APPROVED BY		
CADD FILE NAME	8743E10	

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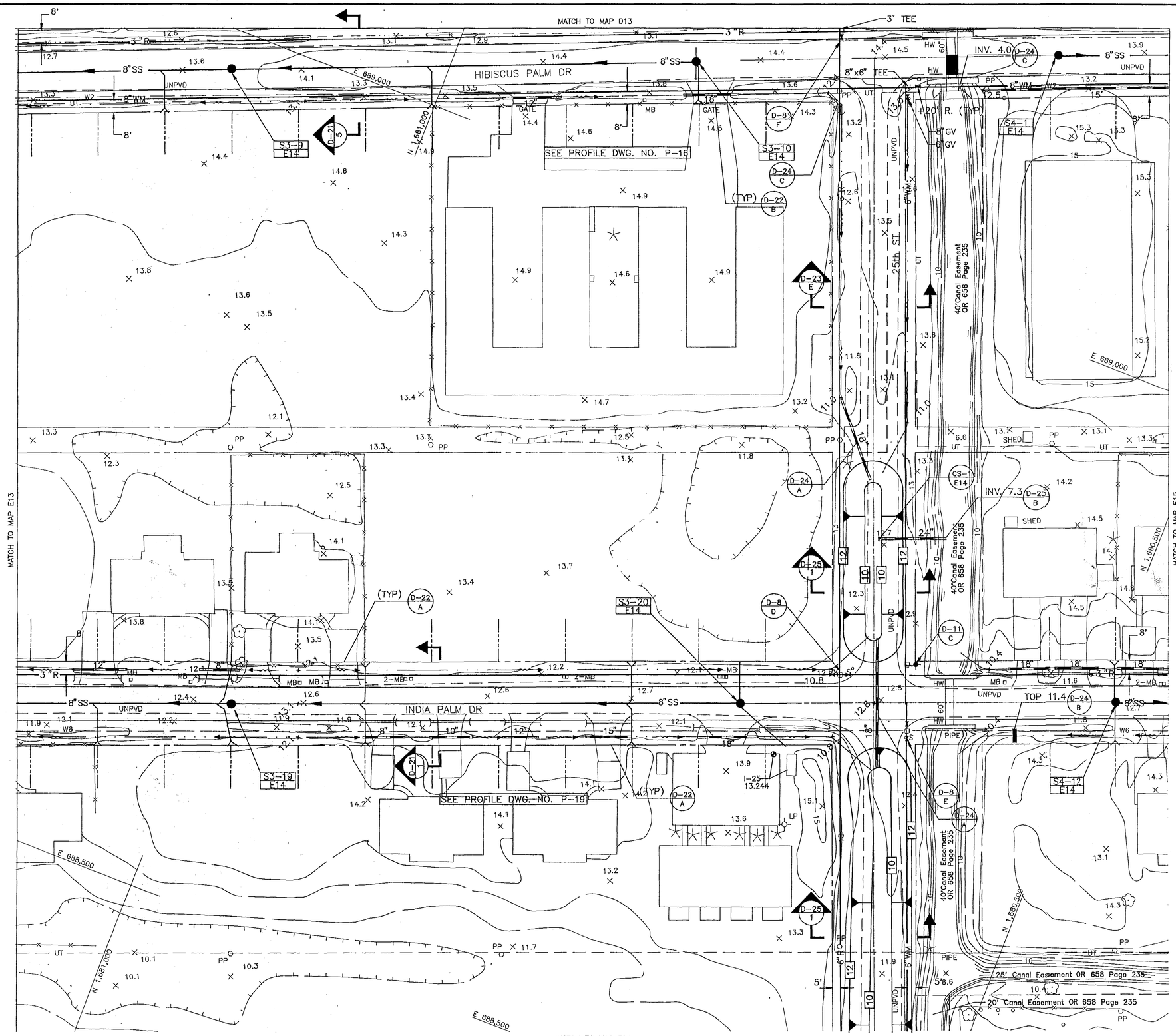
PLAN
E10

CITY OF EDGEWATER, FLORIDA
FLORIDA SHORES CAPITAL IMPROVEMENTS

PROJECT NO. 87-400
DATE JULY 1990
SCALE 1"=30'
SHEET 42 OF —



STRUCTURE NUMBER	COORDINATE	TOP ELEV.	INVERTS
S3-9 / E14	N 1681121.53 E 688976.69	13.97	8.75
S3-10 / E14	N 1680863.34 E 689081.04	14.27	9.53
S3-19 / E14	N 1680984.22 E 688622.61	12.97	7.05
S3-20 / E14	N 1680699.86 E 688732.84	12.85	7.90
S4-1 / E14	N 1680662.69 E 689162.88	14.44	9.20
S4-12 / E14	N 1680489.93 E 688814.21	12.84	7.90

STRUCT. NO./TYPE	COORDINATE	DETAIL REF.	TOP OR CONTROL EL.	INVERTS
CS-1 / E14	N. 1680657.24 E. 688854.72	D-25 / E	10.9	7.4

D12	D13	D14
E13	E14	E15
F13	F14	F15

KEY MAP

SCALE IN FEET

APR 26 1991

S-E14

DATE	REVISIONS	REVISED BY	CHECKED BY

CADD	NAME	DATE
DESIGNED BY		
DRAWN BY		
CHECKED BY		
APPROVED BY		
CADD FILE NAME	8745E14	

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E14

CITY OF EDGEWATER, FLORIDA
FLORIDA SHORES CAPITAL IMPROVEMENTS

RECEIVED
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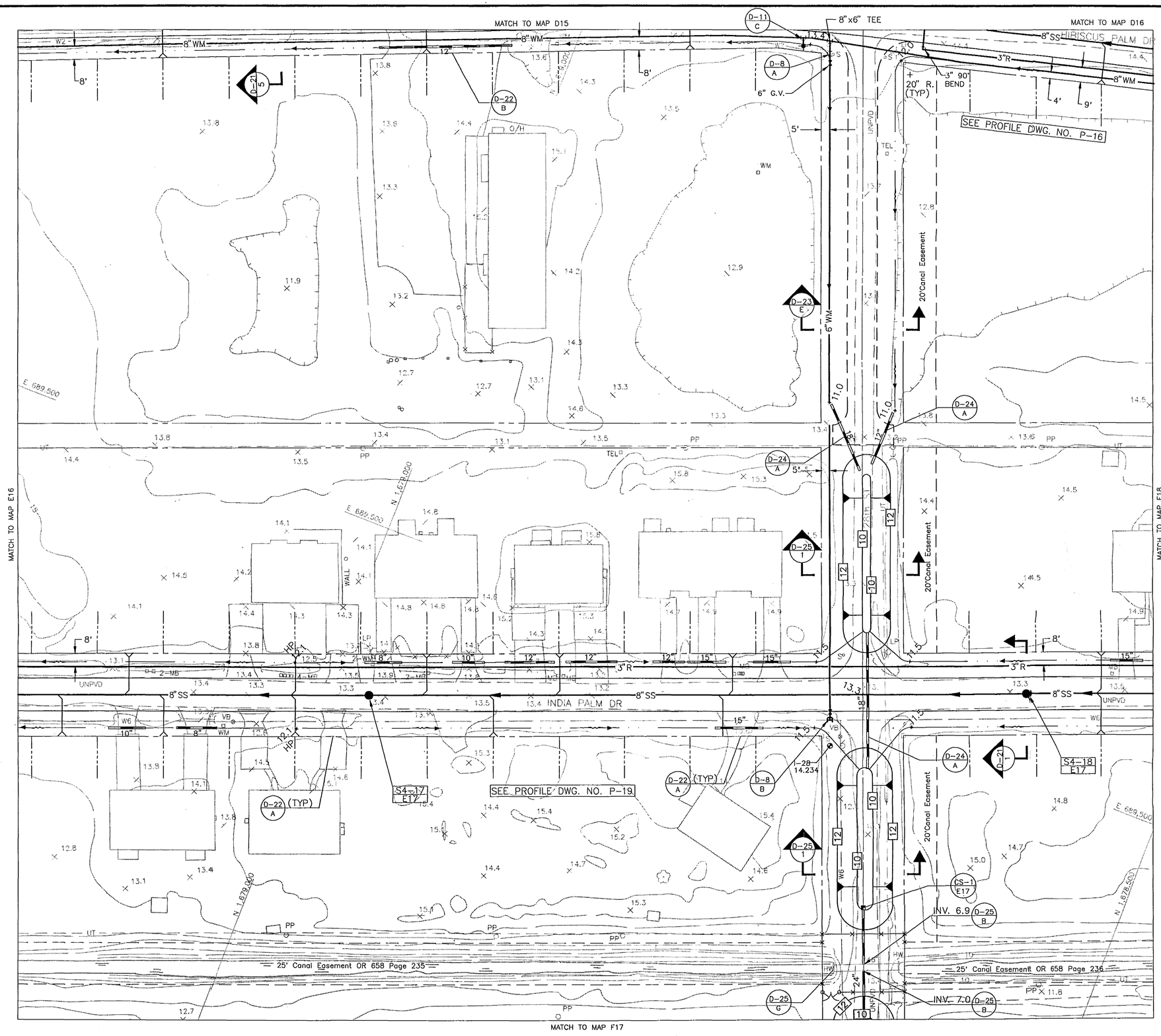
4-127-0192 AG
RECORD
ORLANDO

PROJECT NO.	87-400
DATE	JULY 1990
SCALE	1"=30'
SHEET	46 OF —



STRUCTURE NUMBER	COORDINATE	TOP ELEV.	INVERTS
S4-17 / E17	N 1678974.89 E 689401.56	13.22	4.01
S4-18 / E17	N 1678601.90 E 689546.09	13.36	5.14

STRUCT. NO./TYPE	COORDINATE	DETAIL REF.	TOP OR CONTROL EL.	INVERTS
C5-1 / E17 c	N. 1678648.29 E. 689389.63	D-25 / E	11.4	7.0

D15	D16	
E16	E17	E18
F16	F17	F18

KEY MAP

30 0 30 60
SCALE IN FEET

APR 26 1991

S-E17

DATE	REVISIONS	REVISED BY	CHECKED BY

CADD	NAME	DATE
DESIGNED BY		
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CHECKED BY		
APPROVED BY		
CADD FILE NAME	8745E17	

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PLAN E17

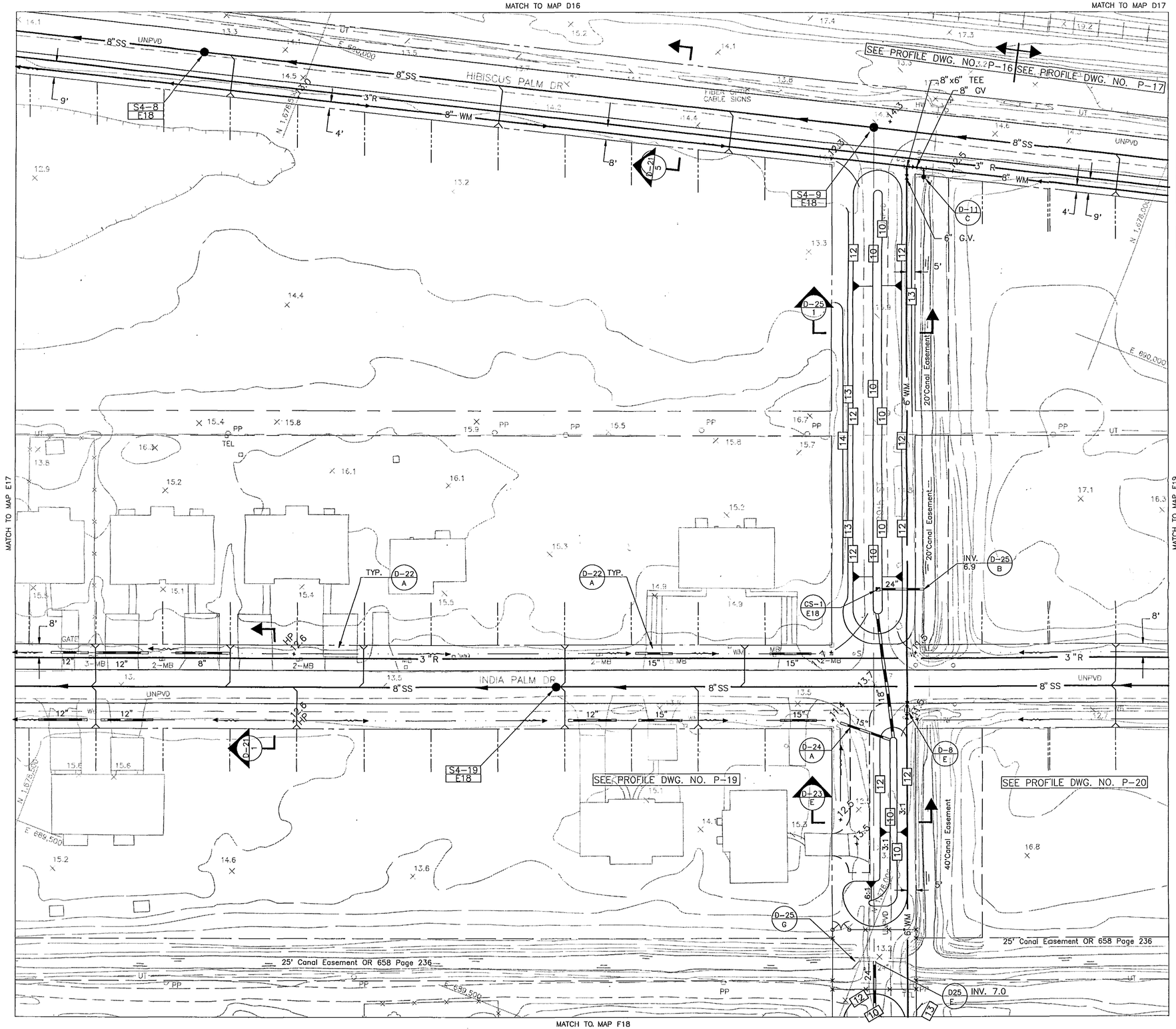
CITY OF EDGEWATER, FLORIDA
FLORIDA SHORES CAPITAL IMPROVEMENTS

RECEIVED APR 29 1991 RECORDS ORLANDO

PROJECT NO.	87-400
DATE	JULY 1990
SCALE	1"=30'
SHEET	49 OF —

MATCH TO MAP D16

MATCH TO MAP D17



MATCH TO MAP E17

MATCH TO MAP E19

MATCH TO. MAP F18

STRUCTURE NUMBER	COORDINATE	TOP ELEV.	INVERTS
S4-8 / E18	N 1678561.60 E 689968.59	14.30	6.54
S4-9 / E18	N 1678172.46 E 690071.43	14.30	7.66
S4-19 / E18	N 1678228.86 E 689690.69	13.60	6.25

STRUCT. NO./TYPE		COORDINATE	DETAIL REF.	TOP OR CONTROL EL.	INVERTS
C5-1 / E18	D	N 1678070.12 E 689814.43	D-25 / E	11.4	7.0

D15	D16	D17
E17	E18	E19
F17	F18	F19

KEY MAP

30 0 30 60
SCALE IN FEET

4/26/91

S-E18

APR 26 1991

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CADD	NAME	DATE
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CADD FILE NAME	8745E18	

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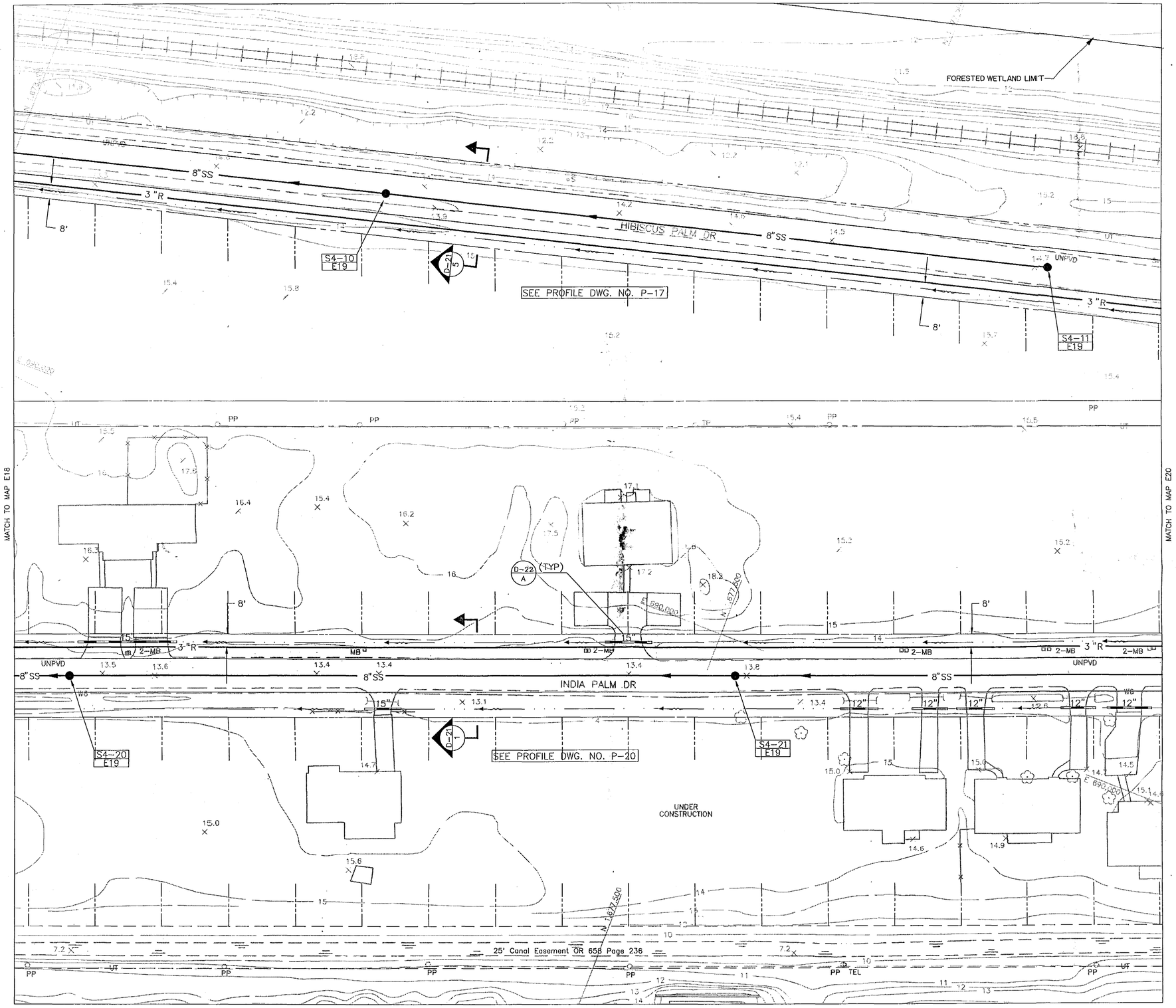
E18

CITY OF EDGEWATER, FLORIDA
FLORIDA SHORES CAPITAL IMPROVEMENTS

PROJECT NO. 87-400
DATE JULY 1990
SCALE 1"=30'
SHEET 50 OF –

MATCH TO MAP D17



MATCH TO MAP E18

MATCH TO MAP E20

MATCH TO MAP F19

STRUCTURE NUMBER	COORDINATE	TOP ELEV.	INVERTS
S4-10 / E19	N 1677783.32 E 690174.28	15.42	8.78
S4-11 / E19	N 1677396.59 E 690276.48	16.03	9.90
S4-20 / E19	N 1677855.89 E 689835.29	13.82	7.38
S4-21 / E19	N 1677482.94 E 689979.86	14.06	8.50

D16	D17	
E18	**E19**	E20
F18	F19	F20

KEY MAP

30 0 30 60
SCALE IN FEET

APR 26 1991

S-E19

DATE	REVISIONS	REVISED BY	CHECKED BY

CADD	NAME	DATE
DESIGNED BY	---	---
DRAWN BY	JS	4/90
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APPROVED BY		
CADD FILE NAME	8747E19	

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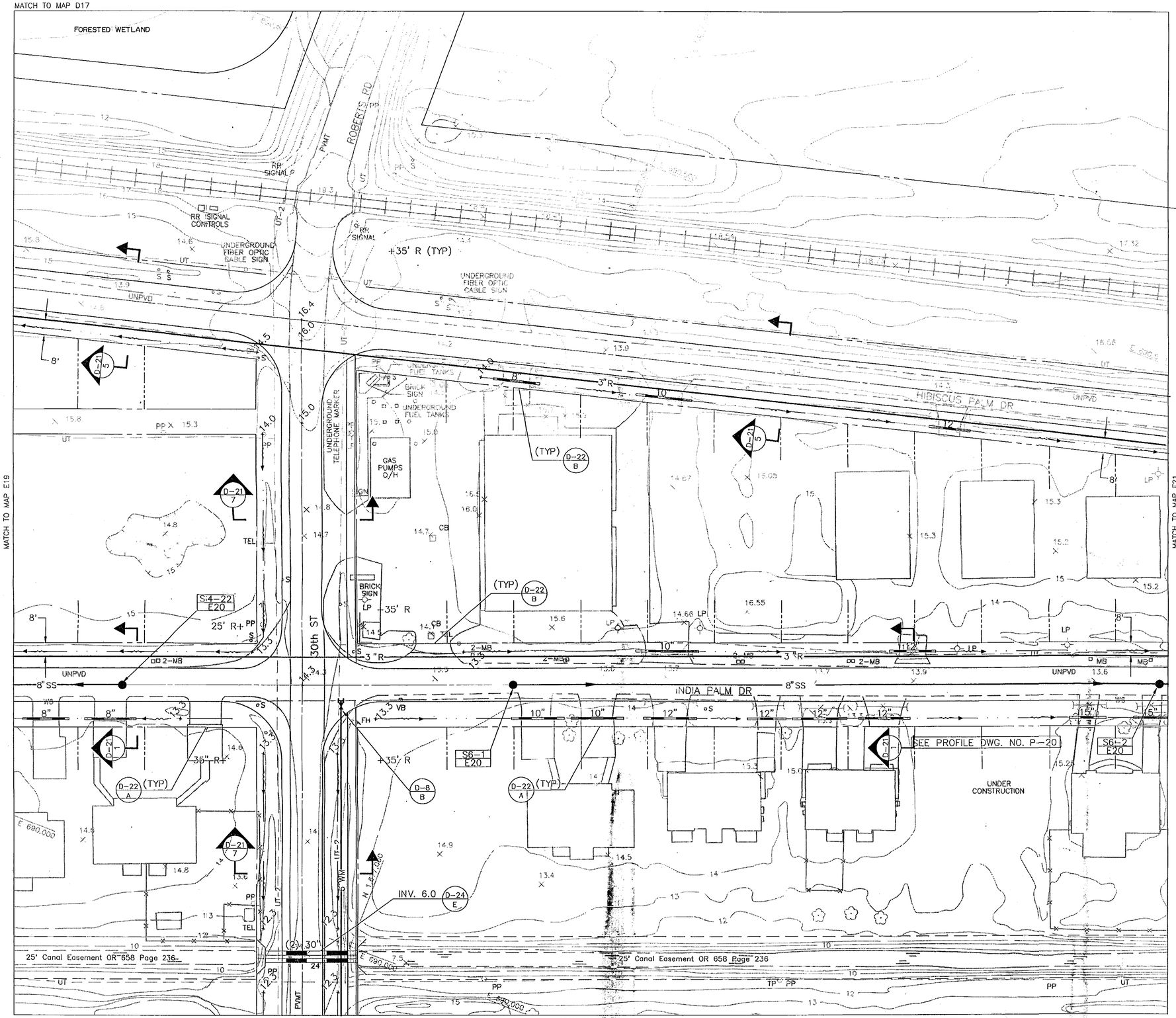
E19

CITY OF EDGEWATER, FLORIDA
FLORIDA SHORES CAPITAL IMPROVEMENTS

RECEIVED
APR 29 1991

PROJECT NO. 87-400
DATE APRIL 1990
SCALE 1"=30'
SHEET 51 OF —

MATCH TO MAP D17



STRUCTURE NUMBER	COORDINATE	TOP ELEV.	INVERTS
S4-22 / E20	N 1677182.66 E 690096.09	14.26	9.4
S6-1 / E20	N 1676965.61 E 690180.36	14.29	8.71
S6-2 / E20	N 1676604.68 E 690320.29	14.25	7.62

D17		
E19	E20	E21
F19	F20	F21

KEY MAP

30 0 30 60
SCALE IN FEET

S-E20

RECEIVED APR 26 1991

DATE	REVISIONS	REVISED BY	CHECKED BY

CADD	NAME	DATE
DESIGNED BY	---	---
DRAWN BY	MIL	4-20-90
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APPROVED BY		
CADD FILE NAME	8747E20	

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E20
CITY OF EDGEWATER, FLORIDA
FLORIDA SHORES CAPITAL IMPROVEMENTS

APR 29 1991
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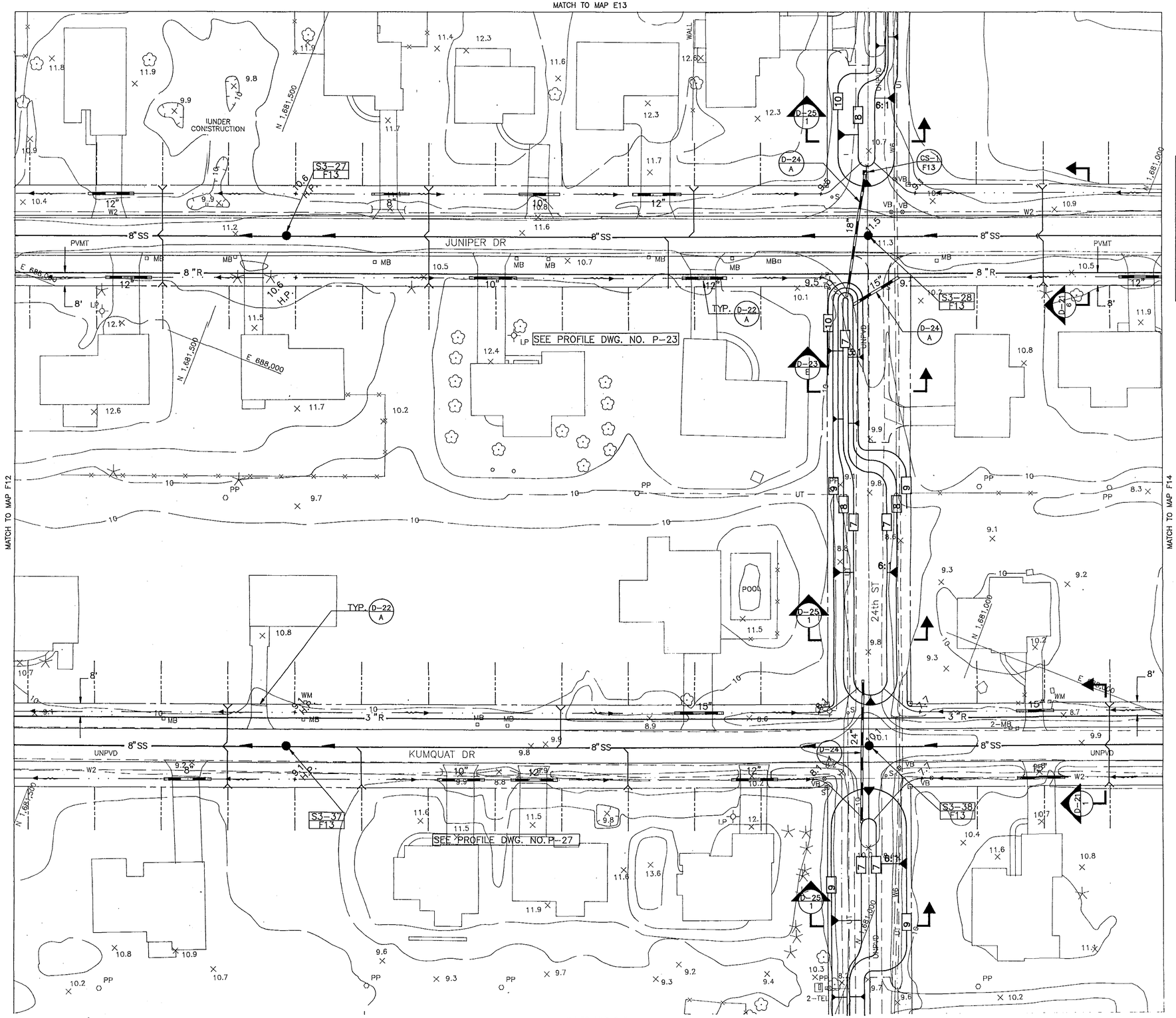
ORLANDO

PROJECT NO. 87-400
DATE APRIL 1990
SCALE 1"=30'
SHEET 52 OF –

MATCH TO MAP E13



STRUCTURE NUMBER	COORDINATE	TOP ELEV.	INVERTS
S3-27 F13	N 1681475.64 E 688078.16	11.50	4.98
S3-28 F13	N 1681149.29 E 688204.61	11.50	5.96
S3-37 F13	N 1681365.42 E 687793.82	10.00	3.38
S3-38 F13	N 1681039.07 E 687920.27	10.10	4.36

STRUCT. NO./TYPE		COORDINATE	DETAIL REF.	TOP OR CONTROL EL.	INVERTS
CS-1 F13	C	N 1681165.61 E 688238.04	D25 1	9.5	7.1

E12	E13	E14
F12	**F13**	F14
G12	G13	G14

KEY MAP

30 0 30 60
SCALE IN FEET

APR 26 1991 S-F13

MATCH TO MAP G13

DATE	REVISIONS	REVISED BY	CHECKED BY

CADD	NAME	DATE
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CHECKED BY		
APPROVED BY		
CADD FILE NAME	8745F13	

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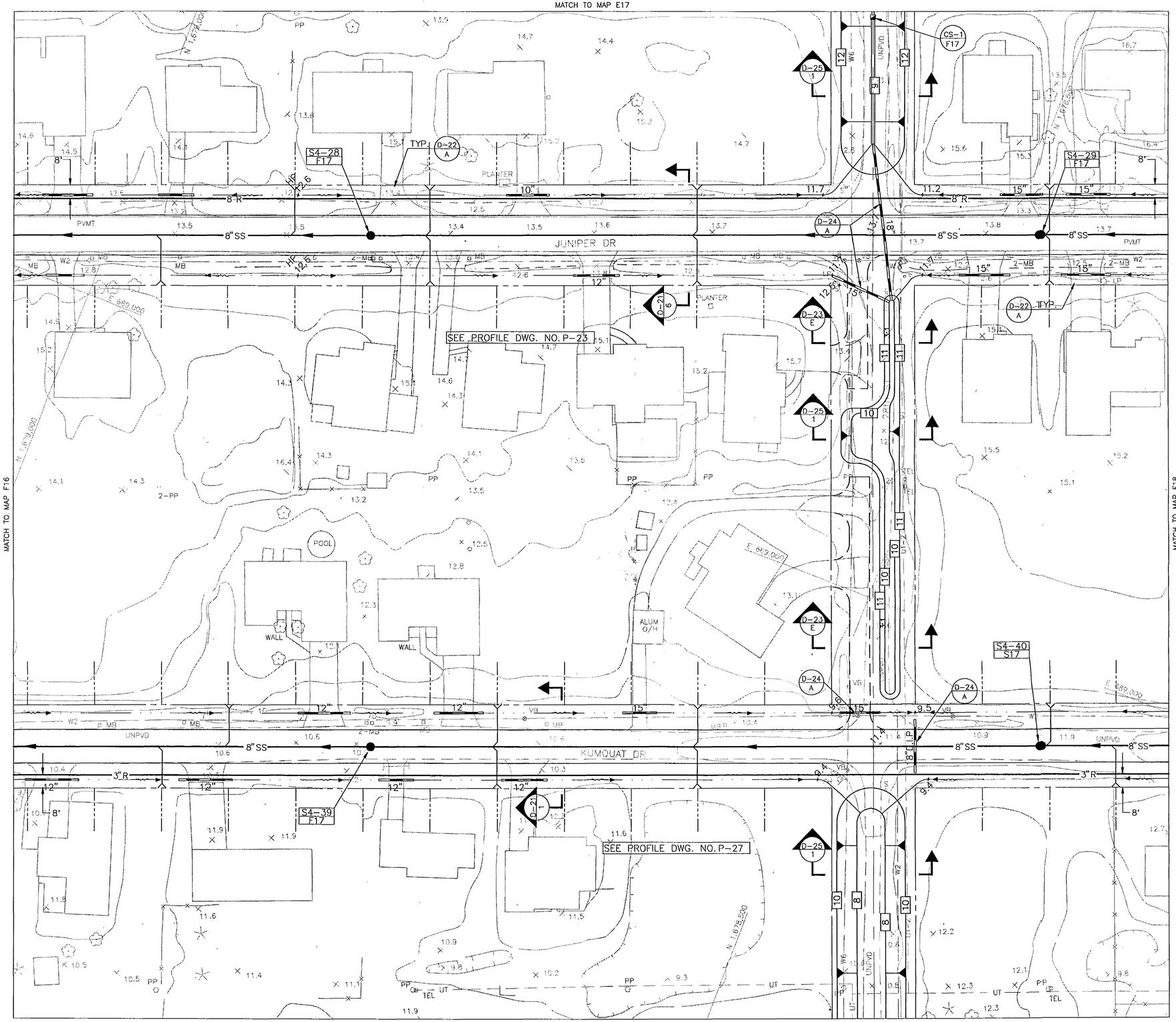
F13

CITY OF EDGEWATER, FLORIDA
FLORIDA SHORES CAPITAL IMPROVEMENTS

RECEIVED APR 29 1991 4-127-0192

PROJECT NO. 87-400
DATE AG JULY 1990
SCALE 1"=30'
SHEET 66 OF –

MATCH TO MAP E17



MATCH TO MAP F16

MATCH TO MAP F18

MATCH TO MAP G17

STRUCTURE NUMBER	COORDINATE	TOP ELEV.	INVERTS
S4-28 F17	N 1678855.50 E 689093.79	13.53	5.23
S4-29 F17	N 1678482.54 E 689238.36	13.77	6.35
S4-39 F17	N 1678745.26 E 688809.41	11.34	3.13
S4-40 F17	N 1678372.30 E 688953.98	11.56	4.25

STRUCT. NO./TYPE	COORDINATE	DETAIL REF.	TOP OR CONTROL EL.	INVERTS
CS-1 F17 C	N 1678622.63 E 689323.47	D-25 E	10.4	7.0

E16	E17	E18
F16	F17	F18
G16	G17	G18

KEY MAP

30 0 30 60
SCALE IN FEET

4/26/91
APR 26 1991
S-F17

DATE	REVISIONS	REVISED BY	CHECKED BY

CADD	NAME	DATE
DESIGNED BY		
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CHECKED BY		
APPROVED BY		
CADD FILE NAME	8745F17	

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PLAN F17

CITY OF EDGEWATER, FLORIDA
FLORIDA SHORES CAPITAL IMPROVEMENTS

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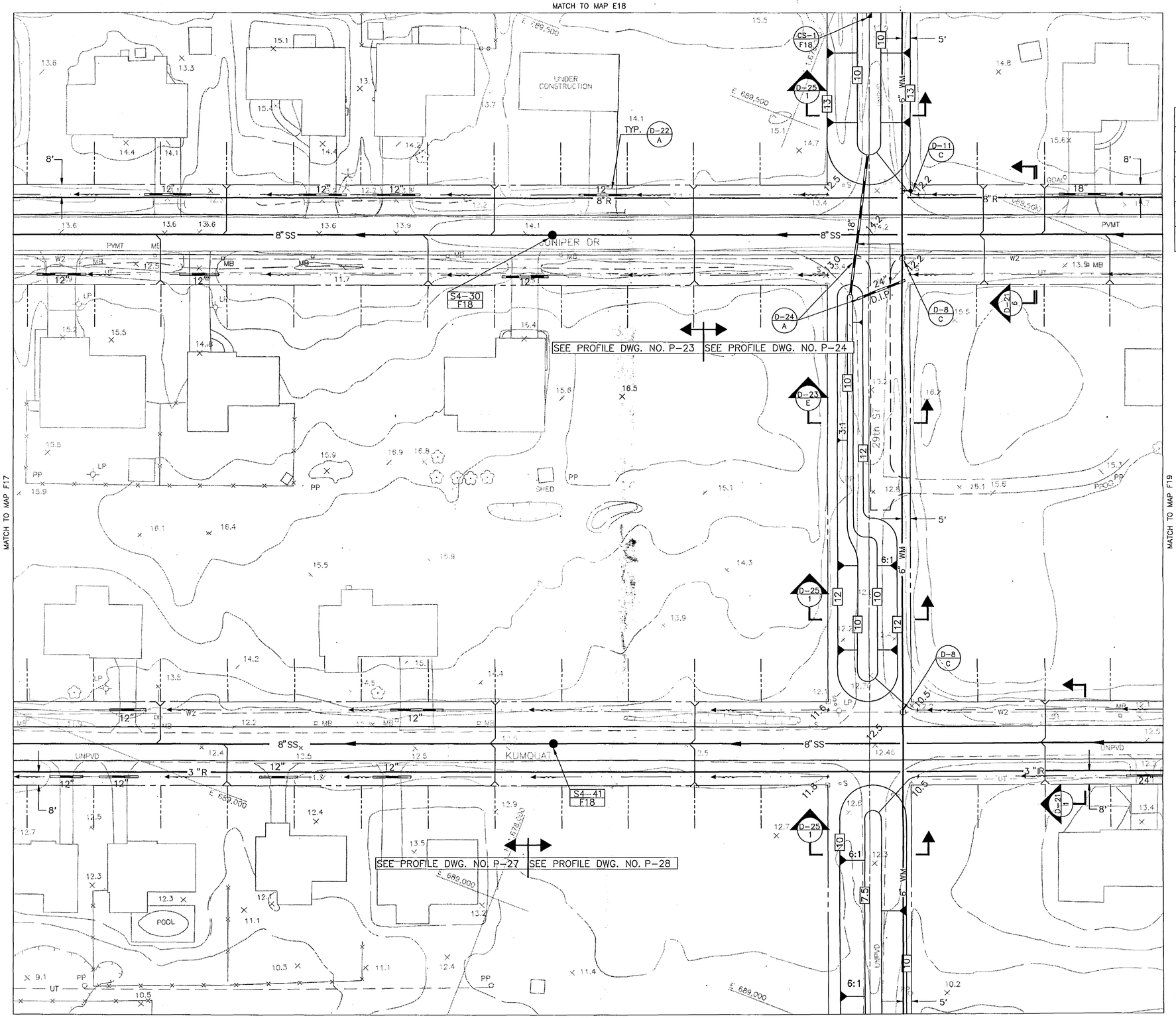
PROJECT NO. 87-400
DATE JULY 1990
SCALE 1"=30'
SHEET 70 OF –

MATCH TO MAP E18



MATCH TO MAP F17

MATCH TO MAP F19

MATCH TO MAP G18

STRUCTURE NUMBER	COORDINATE	TOP ELEV.	INVERTS
S4-30 / F18	N 1678109.56 E 689382.95	00.00	7.47
S4-41 / F18	N 1677999.34 E 689098.55	00.00	5.37

STRUCT. NO./TYPE	COORDINATE	DETAIL REF.	TOP OR CONTROL EL.	INVERTS
CS-1 / F18 C	N 1677980.0 E 689574.7	D-25 / E	11.4	7.0

E17	E18	E19
F17	**F18**	F19
G17	G18	G19

KEY MAP

N

30 0 30 60

SCALE IN FEET

APR 26 1991

S-F18

DATE	REVISIONS	REVISED BY	CHECKED BY

CADD	NAME	DATE
DESIGNED BY		
DRAWN BY		
CHECKED BY		
APPROVED BY		
CADD FILE NAME	8745F18	

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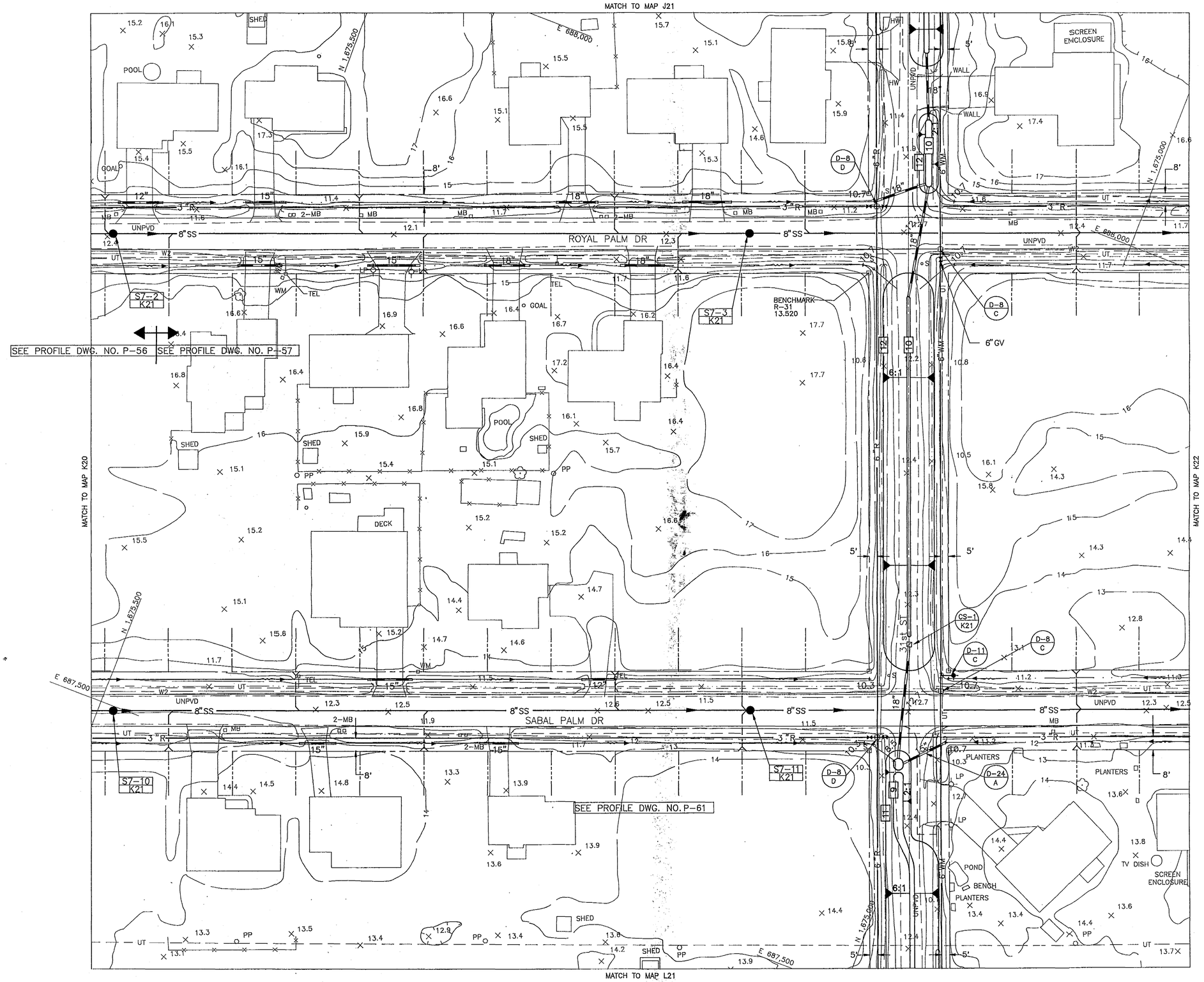
F18

CITY OF EDGEWATER, FLORIDA
FLORIDA SHORES CAPITAL IMPROVEMENTS

RECEIVED
APR 29 1991
RECORD
ORLANDO

PROJECT NO.	87-400
DATE	JULY 1990
SCALE	1" = 30'
SHEET	71 OF —



STRUCTURE NUMBER	COORDINATE	TOP ELEV.	INVERTS
S7-2 K21	N 1675599.4543 E 687776.7347	12.79	6.61
S7-3 K21	N 1675226.4945 E 687921.3064	12.72	5.49
S7-10 K21	N 1675491.0813 E 687497.1341	12.51	5.98
S7-11 K21	N 1675118.1272 E 687641.7206	12.67	4.86

STRUCT. NO./TYPE	COORDINATE	DETAIL REF.	TOP OR CONTROL EL.	INVERTS
CS-1 K21 C	N 1675039.8 E 687716.5	D-29 E	11.5	8.5

J20	J21	J22
K20	**K21**	K22
L20	L21	L22

KEY MAP

30 0 30 60
SCALE IN FEET

APR 26 1991

S-K21

DATE	REVISIONS	REVISED BY	CHECKED BY

CADD	NAME	DATE
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CADD FILE NAME	8748K21	

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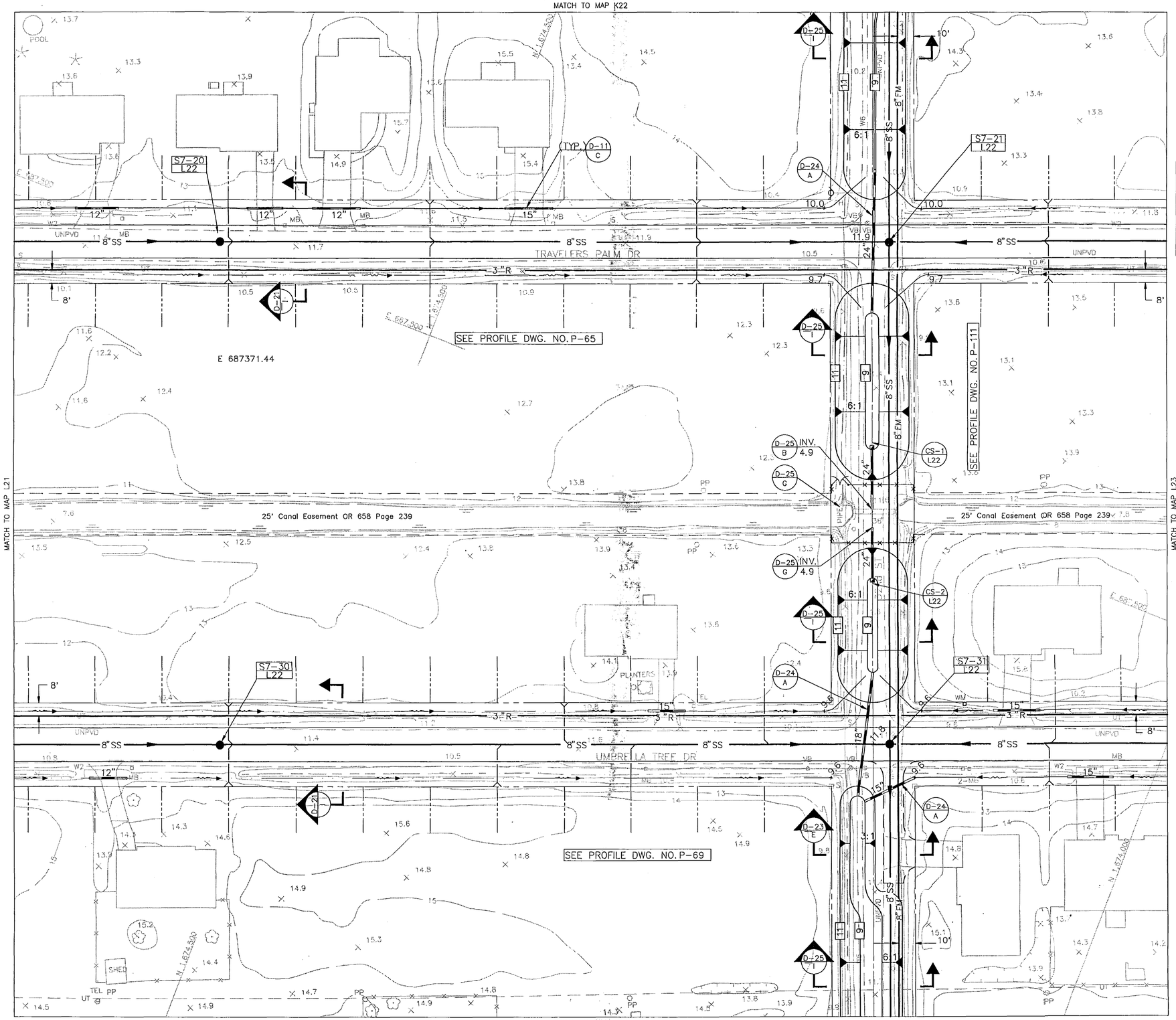
CITY OF EDGEWATER, FLORIDA
FLORIDA SHORES CAPITAL IMPROVEMENTS

RECEIVED APR 29 1991 RECORD

PROJECT NO. 87-400
DATE JULY 1990
SCALE 1"=30'
SHEET 171 OF –

MATCH TO MAP K22



STRUCTURE NUMBER	COORDINATE	TOP ELEV.	INVERTS
S7-20 / L22	N 1674636.88 E 687506.91	11.90	3.24
S7-21 / L22	N 1674263.94 E 687651.54	11.90	N 2.12 E 1.32 S 3.20 W 1.32
S7-30 / L22	N 1674528.39 E 687226.59	11.80	3.14
S7-31 / L22	N 1674155.37 E 687371.44	11.81	N 2.02 E 0.48 S 1.11 W 0.48

STRUCT. NO./TYPE	COORDINATE	DETAIL REF.	TOP OR CONTROL EL.	INVERTS
CS-1 / L22 C	N 1674228.7 E 687532.9	D-25 / E	10.4	5.0
CS-2 / L22 C	N 1674200.0 E 687458.9	D-25 / E	10.4	5.0

K21	K22	K23
L21	**L22**	L23
M21	M22	M23

KEY MAP

30 0 30 60
SCALE IN FEET

4/26/91

APR 26 1991

S-L22

MATCH TO MAP M22

DATE	REVISIONS	REVISED BY	CHECKED BY

CADD	NAME	DATE
DESIGNED BY		
DRAWN BY		
CHECKED BY		
APPROVED BY		
CADD FILE NAME	8748L22	

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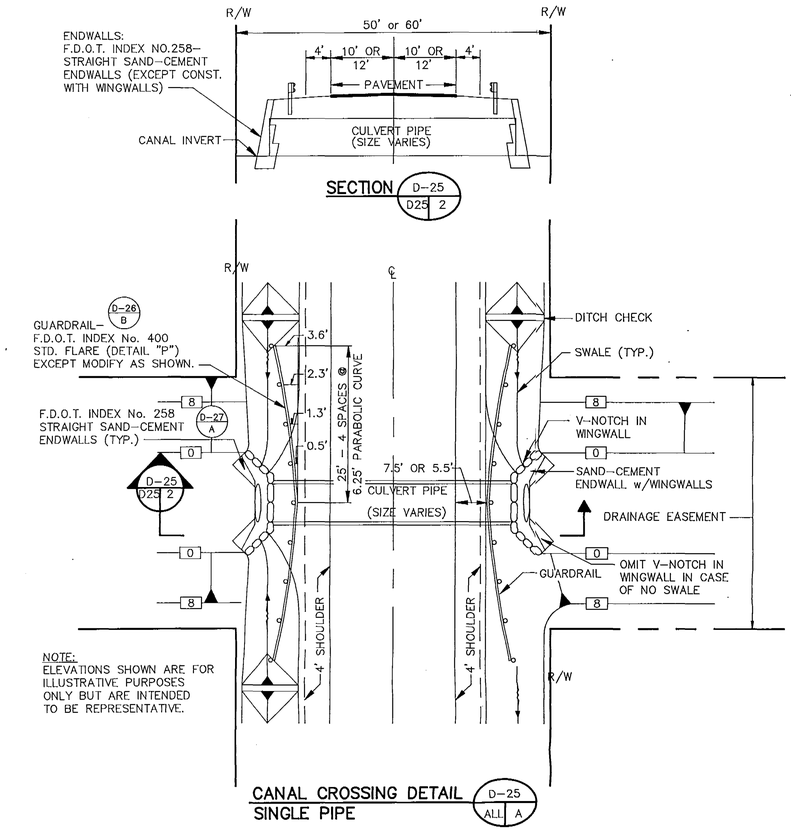
PLAN
L22

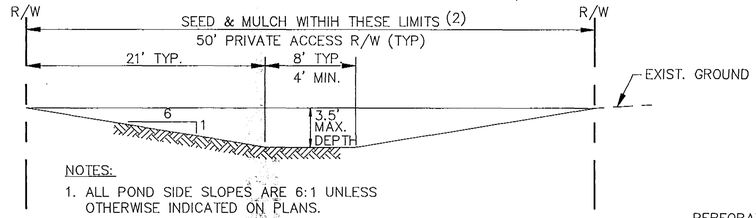
CITY OF EDGEWATER, FLORIDA
FLORIDA SHORES CAPITAL IMPROVEMENTS REC

RECEIVED APR 26 1991

PROJECT NO. 87-400
DATE JULY 1990
SCALE 1"=30'
SHEET 196 OF —

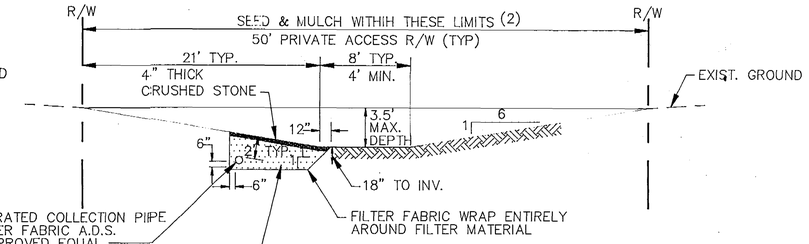


CANAL CROSSING DETAIL
SINGLE PIPE
D–25 / ALL A



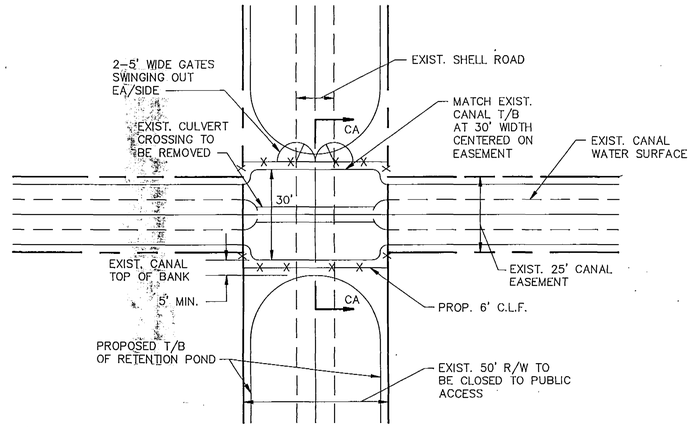
NOTES:
1. ALL POND SIDE SLOPES ARE 6:1 UNLESS OTHERWISE INDICATED ON PLANS.
2. ANY POND STEEPER THAN 6:1 SHALL HAVE SODDED SIDE SLOPES.

TYPICAL POND WITHOUT UNDERDRAIN
D–25 / – 1
⚠ FOR ALL UP STREAM PONDS



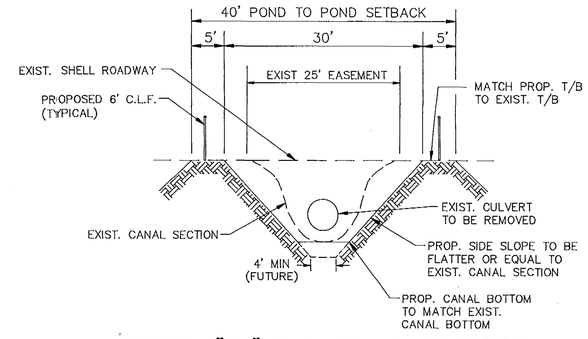
NOTES:
1. ALL POND SIDE SLOPES ARE 6:1 UNLESS OTHERWISE INDICATED ON PLANS.
2. ANY POND STEEPER THAN 6:1 SHALL HAVE SODDED SIDE SLOPES.

TYPICAL POND WITH UNDERDRAIN
⚠ FOR ALL DISCHARGE PONDS (MOST DOWN STREAM)



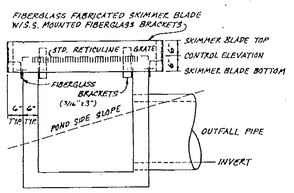
CANAL EXPANSION DETAIL
(AT CLOSED ACCESS R/W CULVERT CROSSINGS)

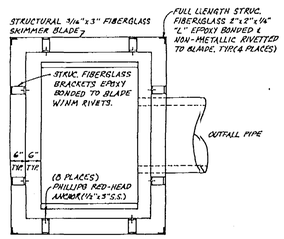
NOTE: SEE DETAIL D–26/C FOR CHAIN LINK FENCE.



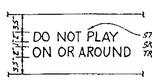
SECTION "CA" THRU CANAL EXPANSION

DREDGE AND MATCH CANAL DETAILS
D–25 / – G



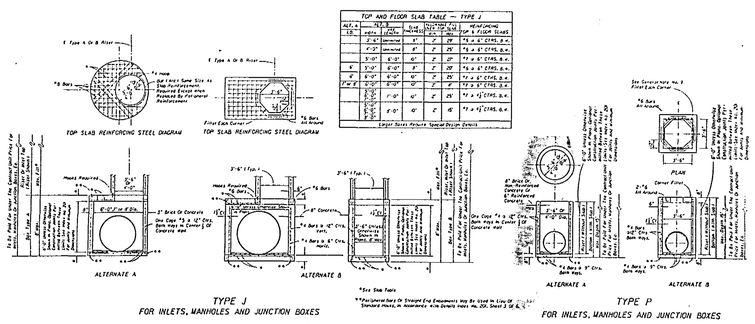


INLET TYPES C, D OR E W/GRATE

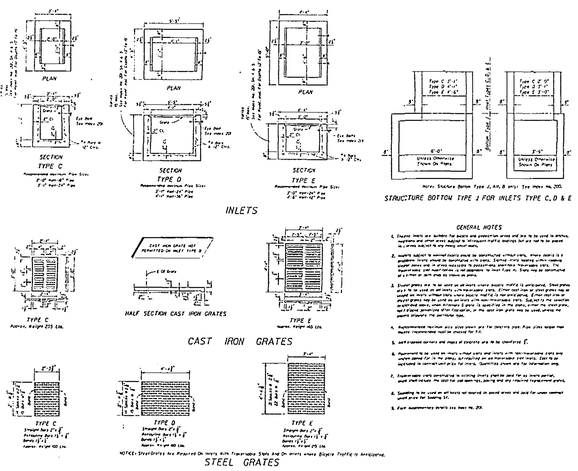


SIGN DETAIL

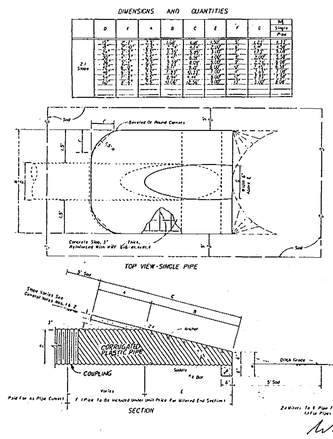
CONTROL STRUCTURE
FIBERGLASS SKIMMER DETAIL
D–25 / E



TYPE P & J MANHOLE DETAILS
(F.D.O.T. INDEX No. 200)
D–25 / D



TYPE C, D & E INLET DETAILS
(F.D.O.T. INDEX No. 232 – 1 of 4)
D–25 / C



4/22/91

DRAINAGE PIPE OUTFALL END SECTION
(F.D.O.T. INDEX No. 272 – 2 of 6)
D–25 / B

APR 26 1991

DATE	REVISIONS	REVISED BY	CHECKED BY
4/22/91	PER SJRWMD		

CADD	NAME	DATE
DESIGNED BY	—	—
DRAWN BY	—	—
CHECKED BY	—	—
APPROVED BY	—	—
CADD FILE NAME	—	

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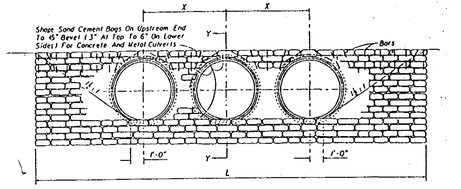
DETAIL 25
CITY OF EDGEWATER, FLORIDA
FLORIDA SHORES CAPITAL IMPROVEMENTS

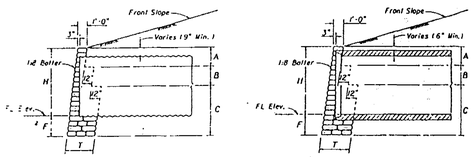
RECEIVED APR 29 1991

PROJECT NO. 87–400
AUGUST, 1990
SCALE N.T.S.
SHEET 402 OF —



Notes: (1) For concrete and corrugated metal pipes. Concrete pipe shown.
(2) The top row of riprap bags shall be secured by pinning, using No. 4 reinforcing bars 18 inches in length, as follows:
(a) The end bags shall be secured using two bars per bag, one vertical and one diagonal as shown.
(b) The next to last bag on each end shall be secured with two bars vertically.
(c) Bags located over the pipe shall be secured by a bar which is driven diagonally except that for concrete pipe two bars shall be used for single bags above the pipe.
(d) Intermediate bags shall be secured with a single bar.
Bars shall be driven to one inch below the surface of the bag.
The cost of furnishing and installing the bars shall be included in the cost of the riprap.

FRONT ELEVATION



CORRUGATED METAL PIPE

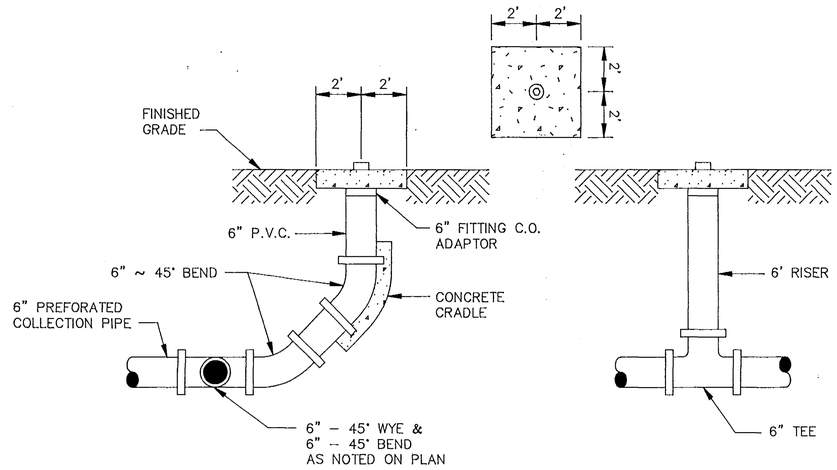
CONCRETE PIPE

SECTION YY

TABLE OF DIMENSIONS AND QUANTITIES FOR ONE ENDWALL

SIZE OF PIPE	H	T	A	B	C	F	X	ONE PIPE CULVERTS L	RIPRAP CY CP	RIPRAP CY CMP	TWO PIPE CULVERTS L	RIPRAP CY CP	RIPRAP CY CMP	THREE PIPE CULVERTS L	RIPRAP CY CP	RIPRAP CY CMP	FOUR PIPE CULVERTS L	RIPRAP CY CP	RIPRAP CY CMP
18"	2'-3"	1'-0"	4'-0"	0'-0"	0'-0"	1'-9"	2'-0"	8'-9"	1.2	1.2	14'-7"	1.5	1.6	14'-5"	1.8	1.9	17'-3"	2.1	2.3
24"	2'-9"	2'-0"	2'-0"	2'-6"	0'-0"	1'-9"	3'-5"	10'-3"	2.4	2.5	13'-8"	3.0	3.2	17'-1"	3.1	4.0	20'-6"	4.3	4.7
30"	3'-4"	2'-0"	2'-0"	3'-2"	0'-0"	1'-10"	4'-3"	12'-0"	3.3	3.4	16'-3"	4.2	4.5	20'-6"	5.1	5.5	24'-9"	6.0	6.5
36"	3'-10"	2'-0"	2'-0"	3'-8"	0'-0"	1'-10"	5'-1"	13'-6"	4.0	4.2	18'-7"	5.2	5.7	23'-8"	6.3	6.9	28'-11"	7.4	8.2
42"	4'-5"	2'-0"	2'-0"	4'-0"	2'-4"	1'-11"	6'-0"	15'-3"	6.4	6.7	21'-3"	8.3	8.9	27'-3"	10.2	11.2	33'-11"	12.3	13.4
48"	4'-11"	2'-0"	2'-0"	4'-0"	3'-10"	1'-11"	6'-9"	16'-9"	7.7	8.1	23'-6"	10.0	10.8	30'-3"	12.3	13.5	37'-0"	14.5	16.2
54"	5'-6"	2'-0"	2'-0"	4'-0"	5'-6"	2'-0"	7'-8"	18'-6"	9.5	10.1	26'-2"	12.4	13.5	33'-10"	15.3	17.0	41'-4"	18.2	20.4
60"	6'-0"	2'-0"	2'-0"	4'-0"	6'-0"	2'-0"	8'-6"	20'-0"	11.0	11.7	29'-5"	14.4	15.6	37'-10"	17.8	19.8	45'-6"	21.1	23.8
66"	6'-7"	2'-0"	2'-0"	4'-8"	2'-0"	2'-0"	9'-3"	21'-9"	13.2	14.1	31'-0"	17.2	18.9	40'-3"	21.3	23.7	49'-6"	25.1	28.1
72"	7'-1"	2'-0"	2'-0"	5'-0"	2'-0"	2'-0"	10'-0"	23'-3"	15.0	16.0	33'-3"	19.6	21.4	43'-3"	23.3	26.4	53'-11"	28.3	32.1
78"	7'-8"	2'-0"	2'-0"	5'-0"	5'-0"	2'-2"	10'-9"	25'-0"	17.3	18.7	35'-9"	22.6	25.0	46'-6"	27.0	30.3	57'-3"	32.9	37.6
84"	8'-2"	2'-0"	2'-0"	5'-0"	6'-4"	2'-2"	11'-8"	26'-6"	19.5	20.3	38'-2"	25.3	28.1	49'-10"	31.1	35.2	61'-6"	36.9	42.4

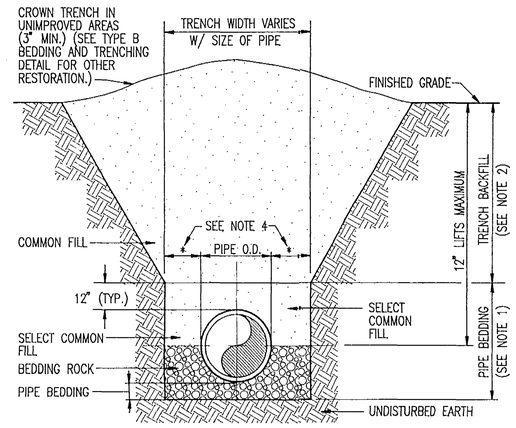
DETAIL— SAND CEMENT ENDWALL (D-27 / A)



TYPE "1"

TYPE "2"

UNDERDRAIN CLEANOUT DETAIL TYPES 1 & 2 (D-27 / C)



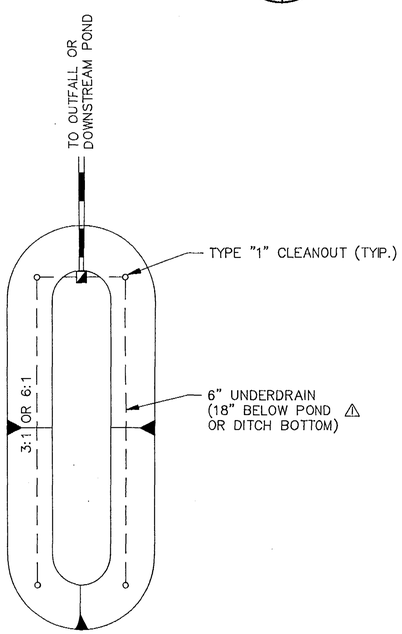
NOTES:
1. PIPE BEDDING: SELECT COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
2. TRENCH BACKFILL: COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
3. USE TYPE A BEDDING TO BE DETERMINED IN THE FIELD AS DIRECTED
4. (*): 15" MAX. FOR PIPE DIAMETER LESS THAN 24", AND 24" MAX. FOR PIPE DIAMETER 24" AND LARGER.
5. WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION.
6. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF FLOW.

DETAIL— TYPE A BEDDING AND TRENCHING (D-27 / E)
N.T.S.

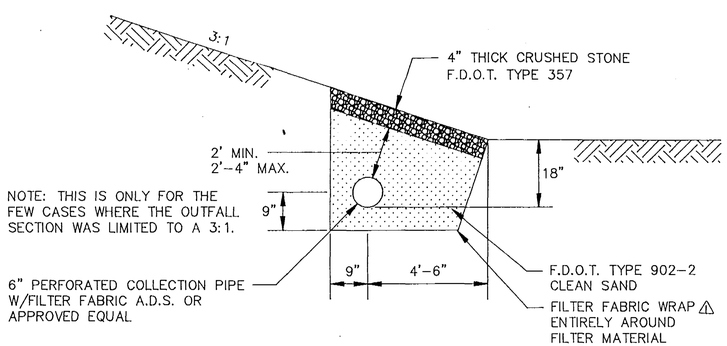
DOWNSTREAM POND FOR NON STANDARD LENGTH (200)

⚠ UNDERDRAIN SCHEDULE

SUB-BASIN	PIPE LENGTH (LF)
1J	100
2A	100
2F	50
2G	100
3A	100
3R	100
4C	100
4S	50
6M	100
6R	400
7C	100
7D	50
7E	100
8D	50
8G	100
8H	100
8K	
8L	100
8M	100
9F	100
9H	100
9K	100
9U	50
9V	100
10A	100
10D	50
10H	100
10J	100
10K	100
10L	100
10M	50
10N	50
10P	50



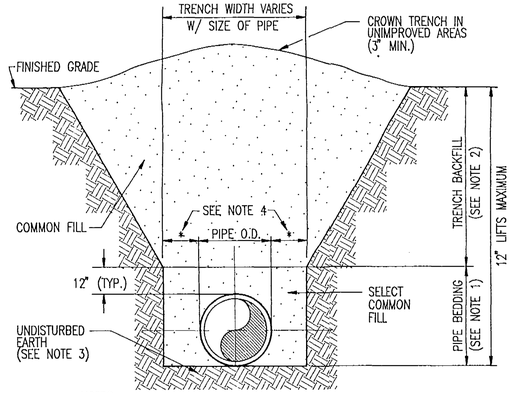
TYPICAL UNDERDRAIN LAYOUT (D-27 / B)



TYPICAL DRY BOTTOM DITCH WITH UNDERDRAIN (3:1 SIDE SLOPE) (D-27 / D)

⚠ FOR ALL DISCHARGE DITCHES (MOST DOWN STREAM)

NOTE: THIS SECTION ONLY APPLIES TO DITCHES WHICH ACT AS THE FINAL DISCHARGE FACILITY WHERE A TYPICAL POND SECTION COULD NOT FIT.



NOTES:
1. PIPE BEDDING: SELECT COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
2. TRENCH BACKFILL: COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
3. PIPE BEDDING UTILIZING SELECT COMMON FILL OR BEDDING ROCK IN ACCORDANCE WITH TYPE A BEDDING AND TRENCHING DETAIL MAY BE REQUIRED AS DIRECTED.
4. (*): 15" MAX. FOR PIPE DIAMETER LESS THAN 24", AND 24" MAX. FOR PIPE DIAMETER 24" AND LARGER.
5. WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION.
6. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF FLOW.

DETAIL— TYPE B BEDDING AND TRENCHING (D-27 / F)
N.T.S.

⚠ UNDERDRAIN NOTES:
1. THE MOST DOWNSTREAM DISCHARGE POND OR DITCH SHALL HAVE UNDERDRAIN AT THE LENGTH DESIGNATED FOR EACH SUB BASIN IN THE UNDERDRAIN SCHEDULE.
2. SUB BASINS NOT NOTED IN UNDERDRAIN SCHEDULE SHALL HAVE 200 L.F. OF UNDERDRAIN IN THE MOST DOWNSTREAM DISCHARGE POND OR DITCH.
3. THE SUB BASINS ARE AS DELINEATED IN THE FLORIDA SHORES MASTER DRAINAGE PLAN.
4. ALL UNDERDRAIN INVERT ELEVATIONS SHALL BE 18" BELOW THE BOTTOM OF POND OR DITCH AS INDICATED IN DETAILS.

4/26/91
APR 26 1991

DATE	REVISIONS	REVISED BY	CHECKED BY
⚠ 4/22/91	PER SJRWMD		

CADD	NAME	DATE
DESIGNED BY	—	—
DRAWN BY	—	—
CHECKED BY	—	—
APPROVED BY	—	—
CADD FILE NAME	—	

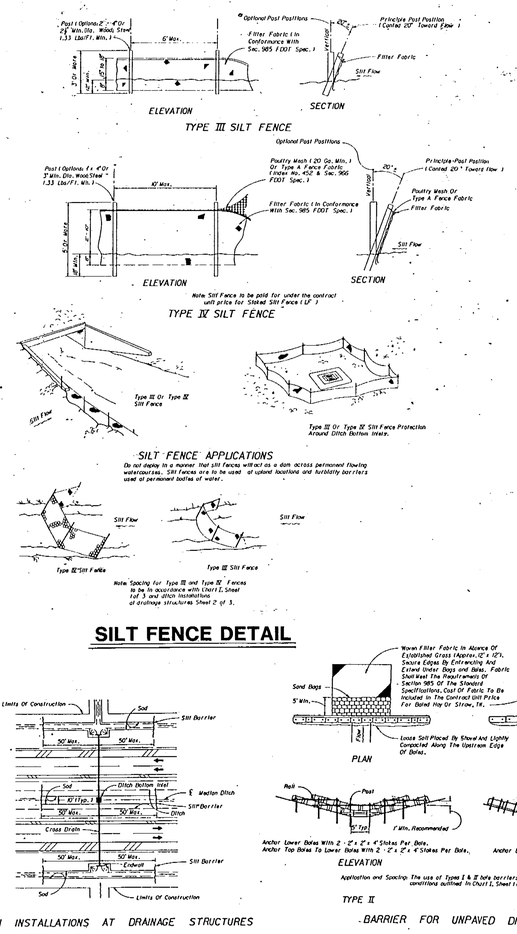
DYER, RIDDLE, MILLS & PRECOURT, INC.
ENGINEERS • SURVEYORS • SCIENTISTS • PLANNERS
ORLANDO – TAMPA

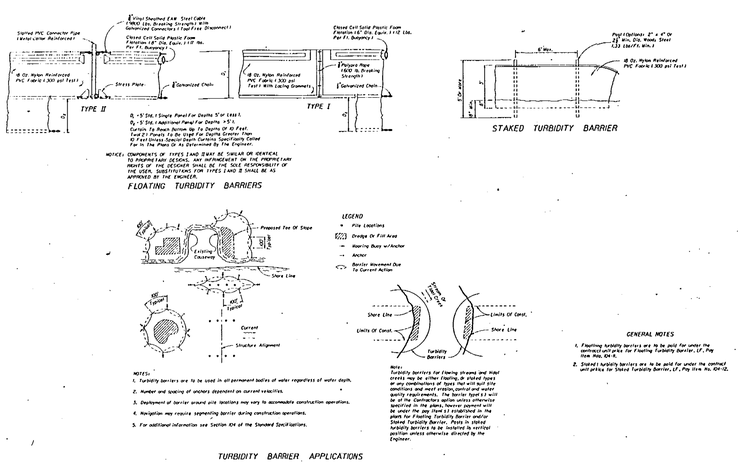
DETAIL 27

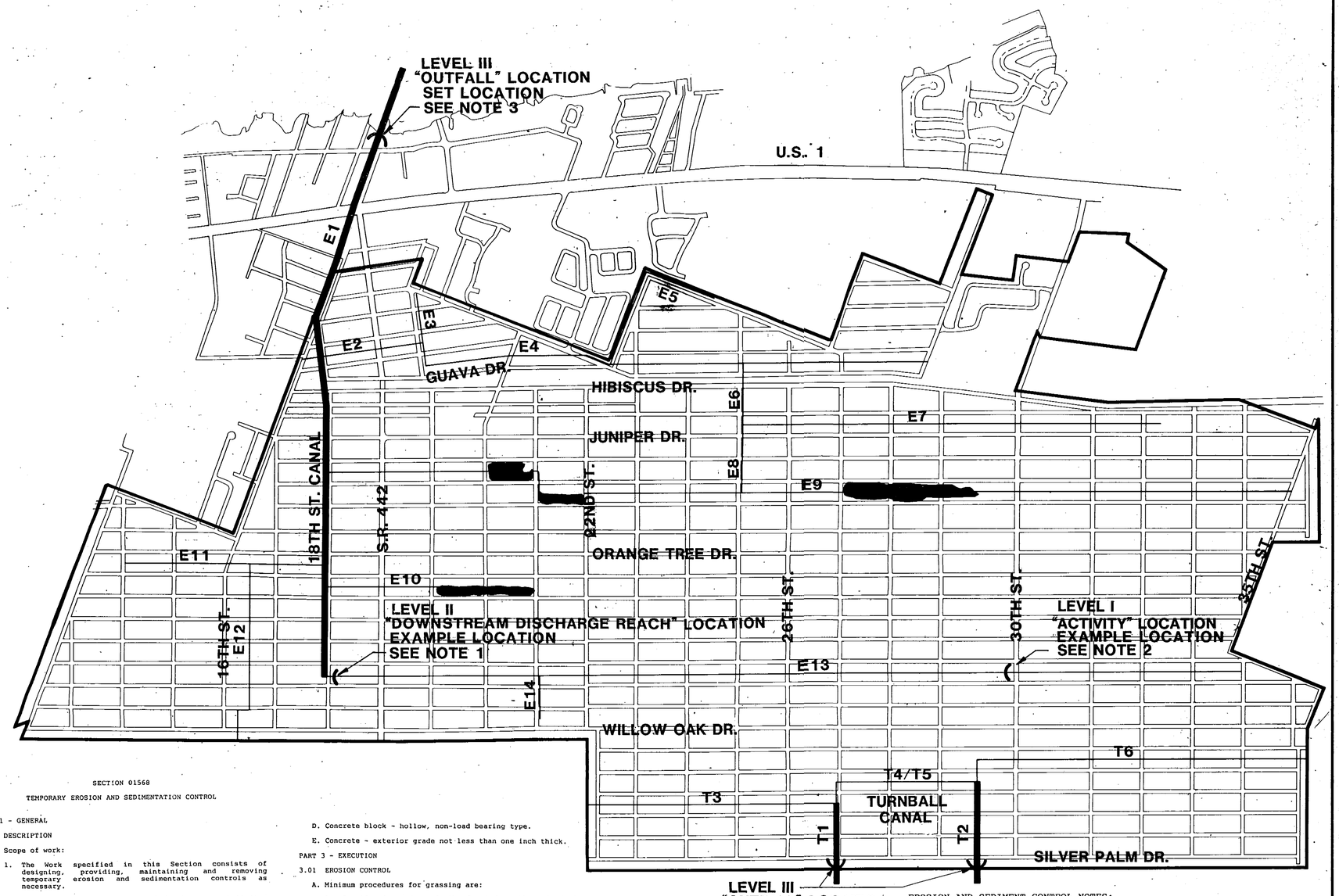
CITY OF EDGEWATER, FLORIDA
FLORIDA SHORES CAPITAL IMPROVEMENTS

RECEIVED APR 29 1991 RECORDS ORLANDO

PROJECT NO.	87-400
DATE	AUGUST, 1990
SCALE	N.T.S.
SHEET	4 OF —







SECTION 01568

TEMPORARY EROSION AND SEDIMENTATION CONTROL

PART 1 - GENERAL

1.01 DESCRIPTION

A. Scope of work:

1. The Work specified in this Section consists of designing, providing, maintaining and removing temporary erosion and sedimentation controls as necessary.

2. Temporary erosion controls include, but are not limited to, grassing, mulching, setting, watering and reseeding on-site surfaces and soil and borrow area surfaces and providing interceptor ditches at ends of berms and at those locations which will ensure that erosion during construction will be either eliminated or maintained within acceptable limits as established by the Owner.

3. Temporary sedimentation controls include, but are not limited to, silt dams, traps, barriers, and appurtenances at the foot of sloped surfaces which will ensure that sedimentation pollution will be either eliminated or maintained within acceptable limits as established by the Owner.

4. Contractor is responsible for providing effective temporary erosion and sediment control measures during construction or until final controls become effective.

PART 2 - PRODUCTS

2.01 EROSION CONTROL

A. Loaming, Seeding, and Mulching: Section 02922.

B. Netting- fabricated of material acceptable to the Owner.

2.02 SEDIMENTATION CONTROL

A. Bales - clean, seed-free cereal hay type.

B. Netting - fabricated of material acceptable to the Owner.

C. Filter stone - crushed stone conformed to Florida Department of Transportation (FDOT) specifications.

D. Concrete block - hollow, non-load bearing type.

E. Concrete - exterior grade not less than one inch thick.

PART 3 - EXECUTION

3.01 EROSION CONTROL

A. Minimum procedures for grassing are:

1. Scarify slopes to a depth of not less than six inches and remove large clods, rock, stumps, roots larger than 1/2-inch in diameter and debris.

2. Sow seed within twenty-four (24) hours after the ground is scarified with either mechanical seed drills or rotary hand seeders.

3. Apply mulch loosely and to a thickness of between 3/4-inch and 1 1/2 inches.

4. Apply netting over mulched areas on sloped surfaces.

5. Roll and water seeded areas in a manner which will encourage sprouting of seeds and growing of grass. Reseed areas which exhibit unsatisfactory growth. Backfill and seed eroded areas.

3.02 SEDIMENTATION CONTROL

A. Install and maintain silt dams, traps, barriers, and appurtenances as shown on the approved descriptions and working drawings. Hay bales which deteriorate and filter stone which is dislodged shall be replaced.

3.03 PERFORMANCE

A. Should any of the temporary erosion and sediment control measures employed by the Contractor fail to produce results which comply with the requirements of the State of Florida, the Owner or Engineer, Contractor shall immediately take whatever steps are necessary to correct the deficiency at his own expense.

END OF SECTION

NOTE:

ANY DREDGE AND FILL ACTIVITY WITHIN THE CANALS SHALL REQUIRE AS A MINIMUM A LEVEL I, II AND III TURBIDITY CONTROL DEVICE AS DETAILED HEREIN. SEE EXAMPLE ABOVE.

EROSION AND SEDIMENT CONTROL NOTES:

1. A FLOATING TURBIDITY BARRIER FDOT INDEX 103 TYPE 1 OR TYPE 2 SHALL BE LOCATED AT THE "DOWNSTREAM DISCHARGE REACH" PRIOR TO THE COLLECTOR CANAL THROUGHOUT CONSTRUCTION WITHIN ALL REACHES OF THAT CANAL. COLLECTOR CANALS ARE E1, T1 AND T2.

2. A FLOATING OR STAKED TURBIDITY BARRIER FDOT INDEX 103 SHALL BE LOCATED WITHIN THE REACH WHERE DREDGE AND/OR FILL "ACTIVITIES" ARE BEING COMPLETED TO PROVIDE PROTECTION FROM UPSTREAM EROSION.

3. A FLOATING TURBIDITY BARRIER FDOT INDEX 103 TYPE 1 OR TYPE 2 SHALL BE LOCATED AT THE MOST DOWNSTREAM REACH OF THE FINAL COLLECTOR CANAL "OUTFALL" LOCATION AFFECTED BY THE CONSTRUCTION WITHIN CANALS DISCHARGING TO IT.

4. TYPE III OR TYPE IV FDOT INDEX 102 SILT FENCES SHALL BE PLACED AROUND DITCH BOTTOM INLETS.

5. SILT BARRIERS FDOT TYPE 1 OR TYPE 2 INDEX 102 SHALL BE INSTALLED AT A MAXIMUM DISTANCE OF 50 FEET WITHIN A DRAINAGE STRUCTURE WITHIN THE PROPOSED PONDS AND DITCHES.

6. SILT BARRIERS FDOT TYPE 1 OR TYPE 2 INDEX 102 SHALL BE PLACED AT THE INTERSECTION OF ROADSIDE SWALES PRIOR TO DISCHARGE INTO THE STORMWATER POND OR DITCH.

APR 26 1991

DATE	REVISIONS	REVISED BY	CHECKED BY

CADD	NAME	DATE
DESIGNED BY		
DRAWN BY		
CHECKED BY		
APPROVED BY		
CADD FILE NAME		

DYER, RIDDLE, MILLS & PRECOURT, INC.

ENGINEERS • SURVEYORS • SCIENTISTS • PLANNERS

ORLANDO • 1905 EAST COLONIAL DRIVE • P.O. BOX 538505 • ORLANDO, FLORIDA 32853-8505

JACKSONVILLE • 7615 BAYMEADOWS ROAD • SUITE 130 • JACKSONVILLE, FLORIDA 32256

EROSION & SEDIMENT CONTROL PLAN

CITY OF EDGEWATER, FLORIDA

FLORIDA SHORES CAPITAL IMPROVEMENT PROGRAM

REVIEWED APR 29 1991 4-1227-0192 AG 9/26/91

PROJECT NO.	87-400
DATE:	APRIL 1991
SCALE:	1-800'
SHEET	408 OF