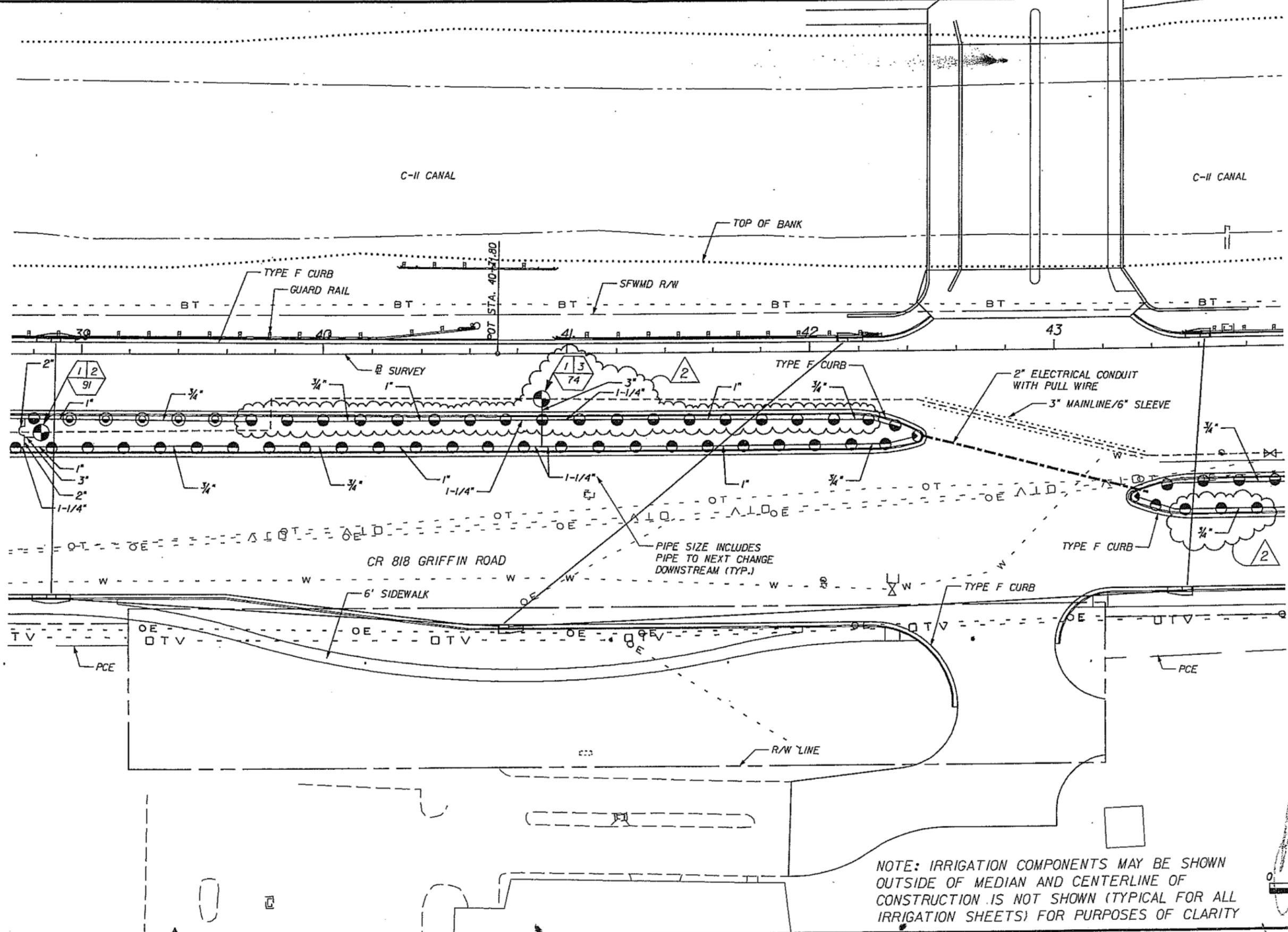


SCALE 1"=40'
N



NOTE: IRRIGATION COMPONENTS MAY BE SHOWN OUTSIDE OF MEDIAN AND CENTERLINE OF CONSTRUCTION IS NOT SHOWN (TYPICAL FOR ALL IRRIGATION SHEETS) FOR PURPOSES OF CLARITY



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AUG 14 2007

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
8-20-07	RJC	LANDSCAPE & IRRIGATION REVISIONS REQUESTED BY CITY			

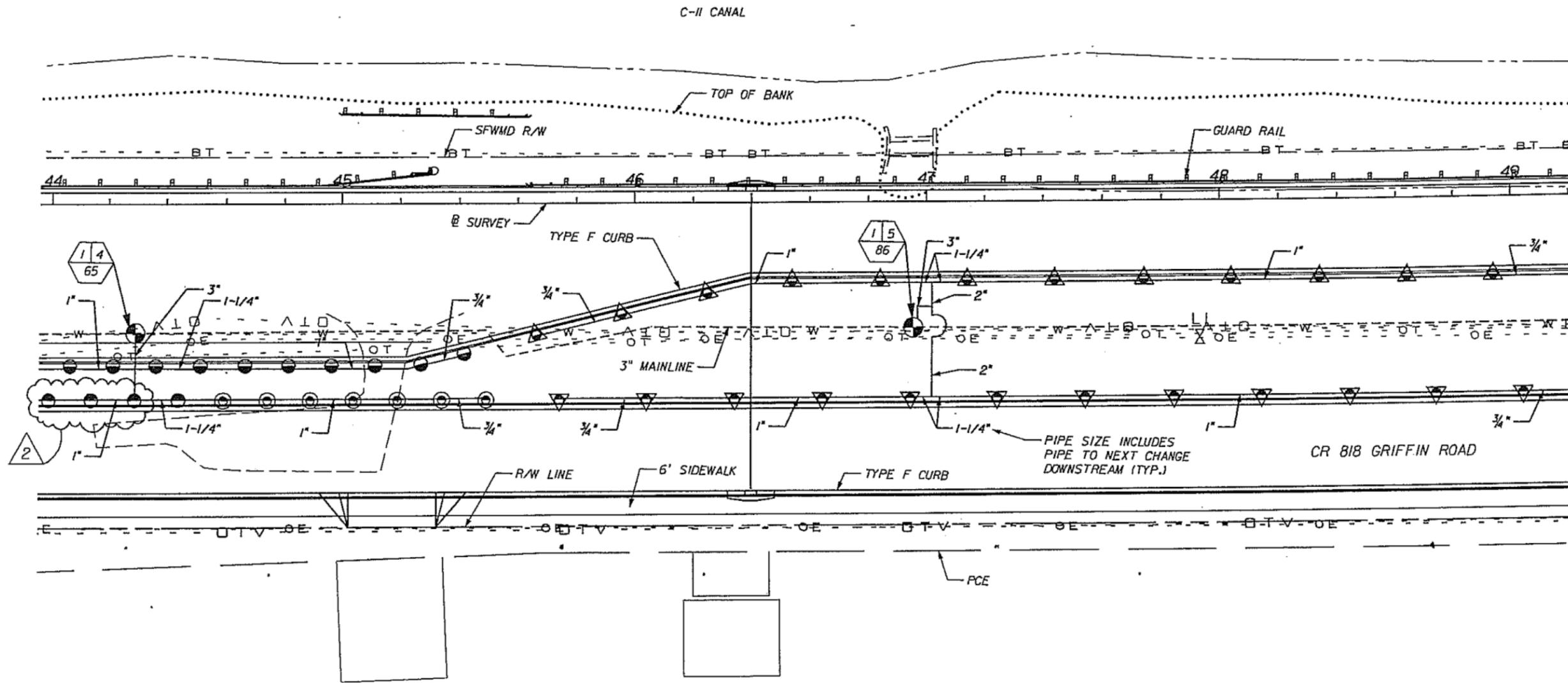
Landscape Architect Of Record: Robert J. Colleur, RLA: #1067
Cotleur Hearing
 1934 Commerce Lane Suite 1
 Jupiter, Florida 33458
 561-747-6336 Fax 561-747-1377
 Cert. of Auth. LC-C000239
 Vendor No. 65-0270814

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 818	BROWARD	227708-1-52-01

IRRIGATION PLAN

SHEET NO.
LD-40

SCALE 1"=40'



NOTE: IRRIGATION COMPONENTS MAY BE SHOWN OUTSIDE OF MEDIAN AND CENTERLINE OF CONSTRUCTION IS NOT SHOWN (TYPICAL FOR ALL IRRIGATION SHEETS) FOR PURPOSES OF CLARITY



08/27/2007
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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
8-20-07	RJC	LANDSCAPE & IRRIGATION REVISIONS REQUESTED BY CITY			

Landscape Architect Of Record: Robert J. Colleur, RLA: #1067

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 1934 Commerce Lane Suite 1
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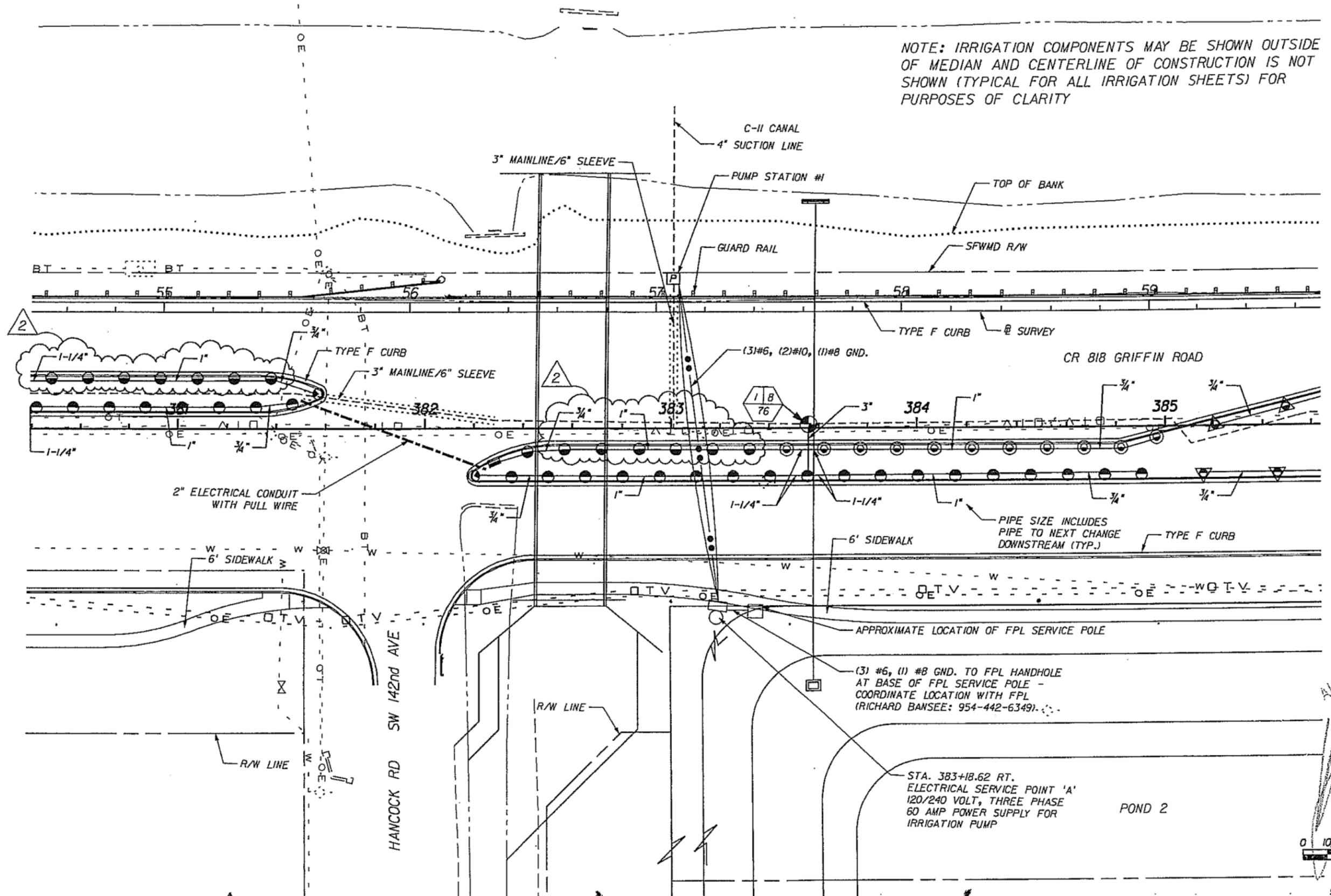
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 818	BROWARD	227708-1-52-01

IRRIGATION PLAN

SHEET NO.
LD-41

SCALE 1:40

NOTE: IRRIGATION COMPONENTS MAY BE SHOWN OUTSIDE OF MEDIAN AND CENTERLINE OF CONSTRUCTION IS NOT SHOWN (TYPICAL FOR ALL IRRIGATION SHEETS) FOR PURPOSES OF CLARITY



AUG 13 2007



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
8-20-07	RJC	LANDSCAPE & IRRIGATION REVISIONS REQUESTED BY CITY			

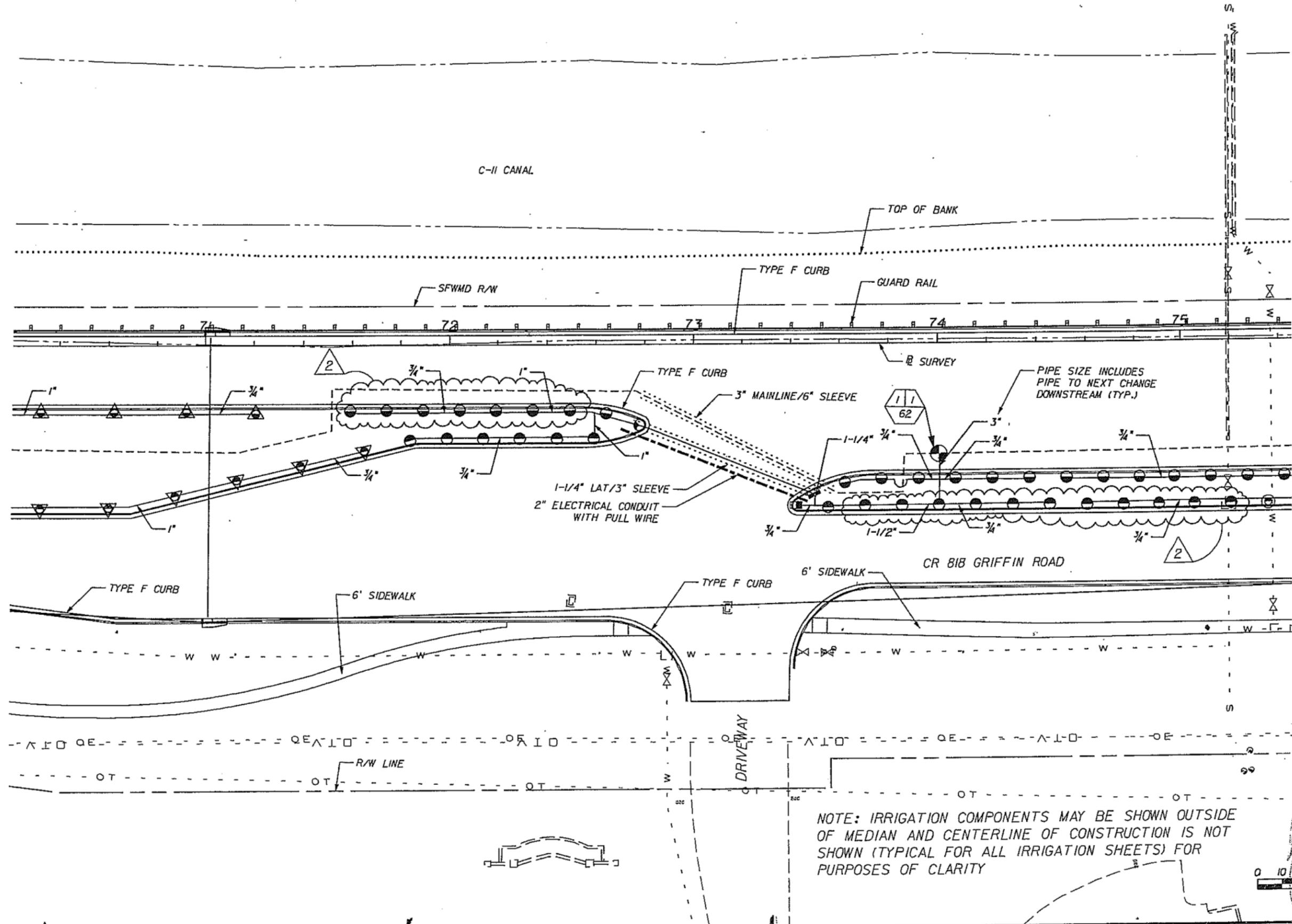
Landscape Architect Of Record: Robert J. Colleur, RLA: #1067
Cotleur Hearing
 1934 Commerce Lane Suite 1
 Jupiter, Florida 33458
 561-747-6336 Fax 561-747-1377
 Cert. of Auth. LC-C000239
 Vendor No. 65-0270814

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 818	BROWARD	227708-1-52-01

IRRIGATION PLAN

SHEET NO.
LD-43

SCALE 1:40

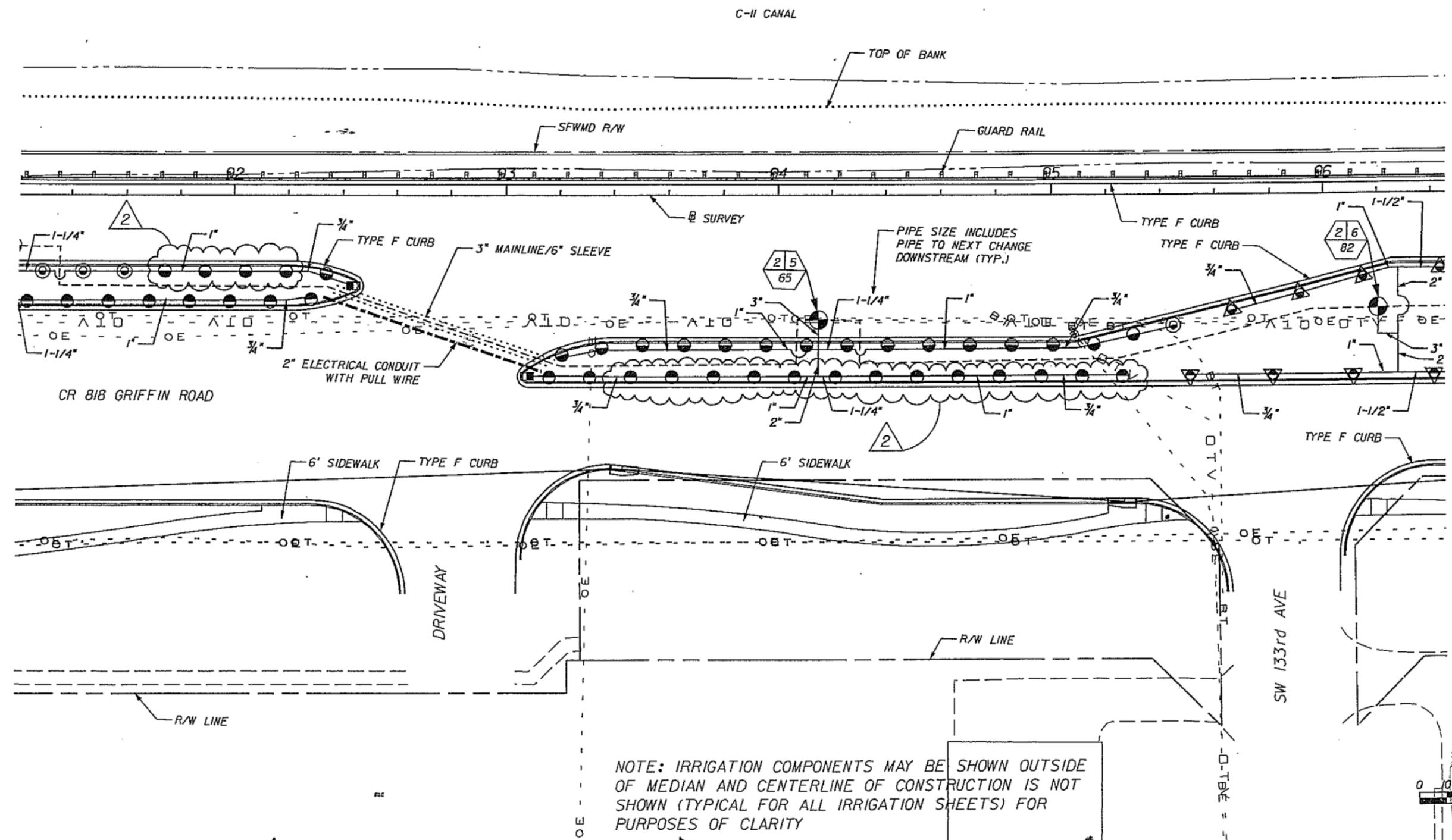


NOTE: IRRIGATION COMPONENTS MAY BE SHOWN OUTSIDE OF MEDIAN AND CENTERLINE OF CONSTRUCTION IS NOT SHOWN (TYPICAL FOR ALL IRRIGATION SHEETS) FOR PURPOSES OF CLARITY

AUG 23 2007

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
8-20-07	RJC	LANDSCAPE & IRRIGATION REVISIONS REQUESTED BY CITY			

Landscape Architect Of Record: Robert J. Colleur, RLA: #1067		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		SHEET NO. LD-46
Cotleur Hearing 1934 Commerce Lane Suite 1 Jupiter, Florida 33458 561-747-6336 Fax 561-747-1377 Cert. of Auth. LC-0000239 Vendor No. 65-0270814		ROAD NO.	COUNTY	
		CR 818	BROWARD	227708-1-52-01



NOTE: IRRIGATION COMPONENTS MAY BE SHOWN OUTSIDE OF MEDIAN AND CENTERLINE OF CONSTRUCTION IS NOT SHOWN (TYPICAL FOR ALL IRRIGATION SHEETS) FOR PURPOSES OF CLARITY

REVISIONS					
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8-20-07	RJC	LANDSCAPE & IRRIGATION REVISIONS REQUESTED BY CITY			

Landscape Architect Of Record: Robert J. Colleur, RLA: #1067

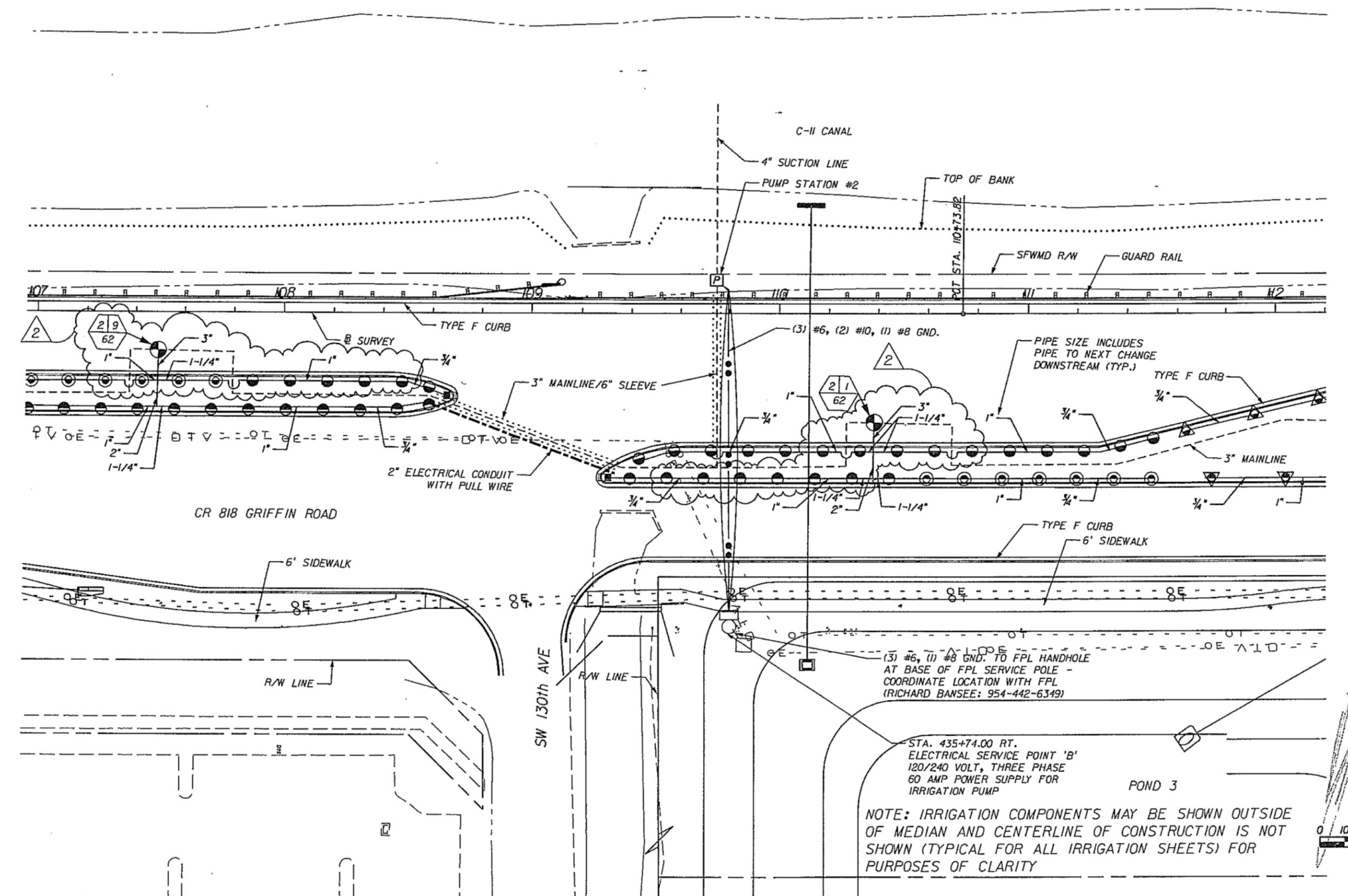
Cotleur Hearing
 1934 Commerce Lane Suite 1
 Jupiter, Florida 33458
 561-747-6336 Fax 561-747-1377
 Cert. of Auth. LC-0000239
 Vendor No. 65-0270814

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 818	BROWARD	227708-1-52-01

IRRIGATION PLAN

SHEET NO.
LD-50

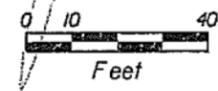
SCALE 1:40



(3) #6, (1) #8 GND. TO FPL HANDHOLE AT BASE OF FPL SERVICE POLE - COORDINATE LOCATION WITH FPL (RICHARD BANSEE: 954-442-6349)

STA. 435+74.00 RT. ELECTRICAL SERVICE POINT 'B' 120/240 VOLT, THREE PHASE 60 AMP POWER SUPPLY FOR IRRIGATION PUMP

NOTE: IRRIGATION COMPONENTS MAY BE SHOWN OUTSIDE OF MEDIAN AND CENTERLINE OF CONSTRUCTION IS NOT SHOWN (TYPICAL FOR ALL IRRIGATION SHEETS) FOR PURPOSES OF CLARITY



REVISIONS	
DATE	DESCRIPTION
8-20-07	RJC - LANDSCAPE & IRRIGATION REVISIONS REQUESTED BY CITY

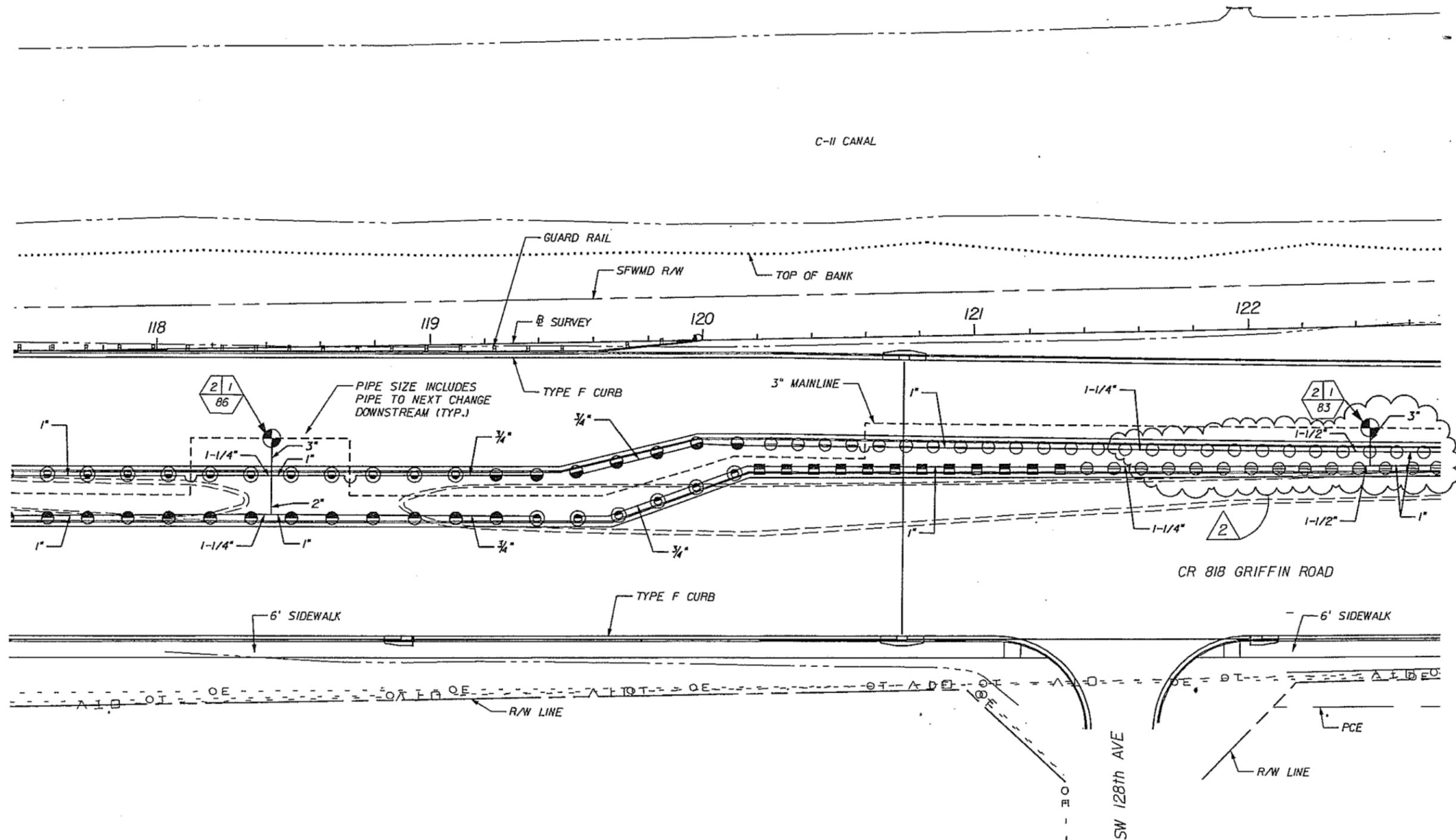
Landscape Architect Of Record: Robert J. Cotleur, RLA: #1067
Cotleur Hearing
 1934 Commerce Lane Suite 1
 Jupiter, Florida 33458
 561-747-6335 Fax 561-747-1377
 Cert. of Auth. LC-0000239
 Vendor No. 65-0270814

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 818	BROWARD	227708-1-52-01

IRRIGATION PLAN

SHEET NO.
LD-53

SCALE 1:40



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
8-20-07	RJC	LANDSCAPE & IRRIGATION REVISIONS REQUESTED BY CITY			

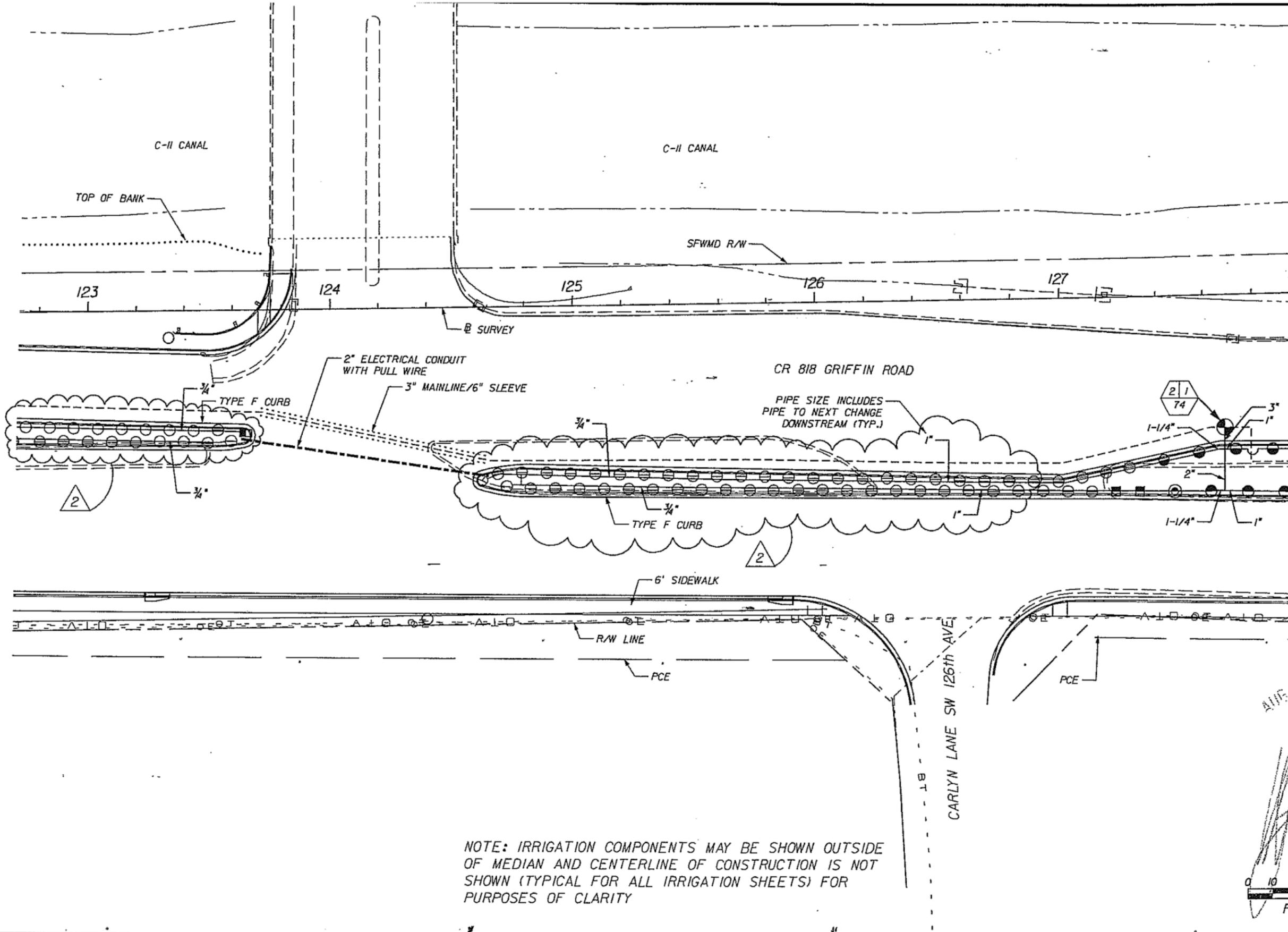
Landscape Architect Of Records: Robert J. Cotleur, RLA: #1067
Cotleur Hearing
 1934 Commerce Lane Suite 1
 Jupiter, Florida 33458
 561-747-6336 Fax 561-747-1377
 Cert. of Auth. LC-0000239
 Vendor No. 65-0270814

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 818	BROWARD	227708-1-52-01

IRRIGATION PLAN

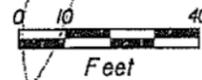
SHEET NO.
LD-55

SCALE 1"=40'



NOTE: IRRIGATION COMPONENTS MAY BE SHOWN OUTSIDE OF MEDIAN AND CENTERLINE OF CONSTRUCTION IS NOT SHOWN (TYPICAL FOR ALL IRRIGATION SHEETS) FOR PURPOSES OF CLARITY

APR 22 2007



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
8-20-07	RJC	LANDSCAPE & IRRIGATION REVISIONS REQUESTED BY CITY			

Landscape Architect Of Record: Robert J. Colleur, RLA: #1067

Cotleur Hearing
 1934 Commerce Lane Suite 1
 Jupiter, Florida 33458
 561-747-6336 Fax 561-747-1377
 Cert. of Auth. LC-C000239
 Vendor No. 65-0270814

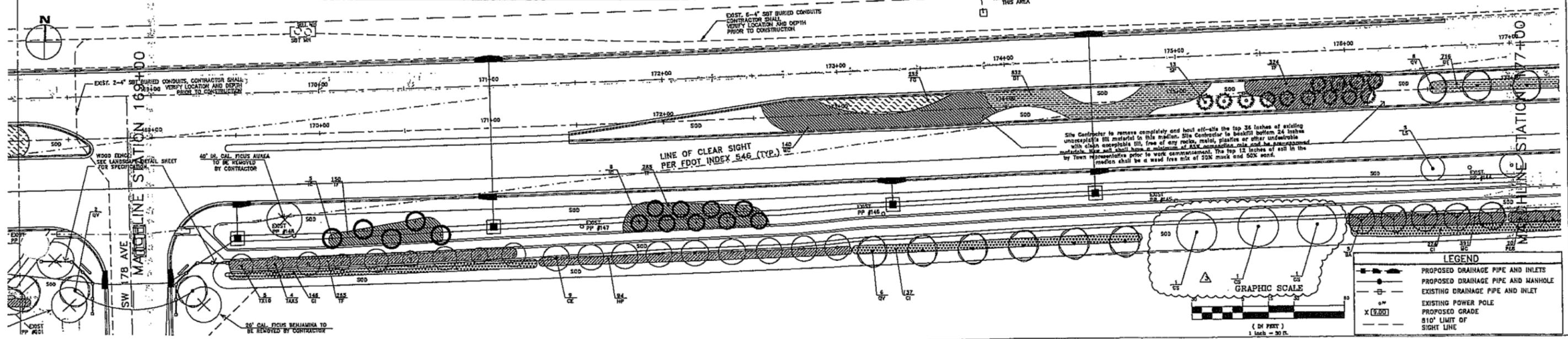
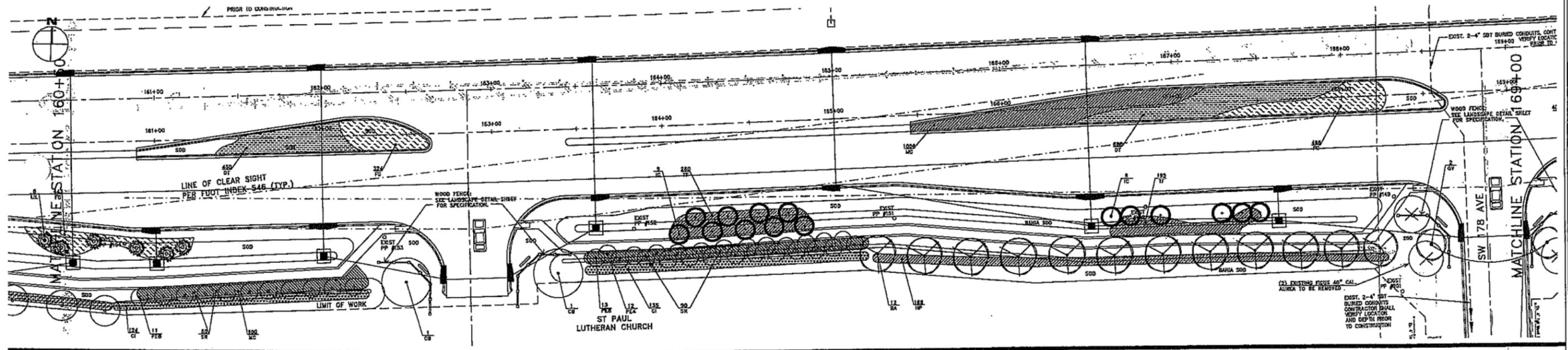
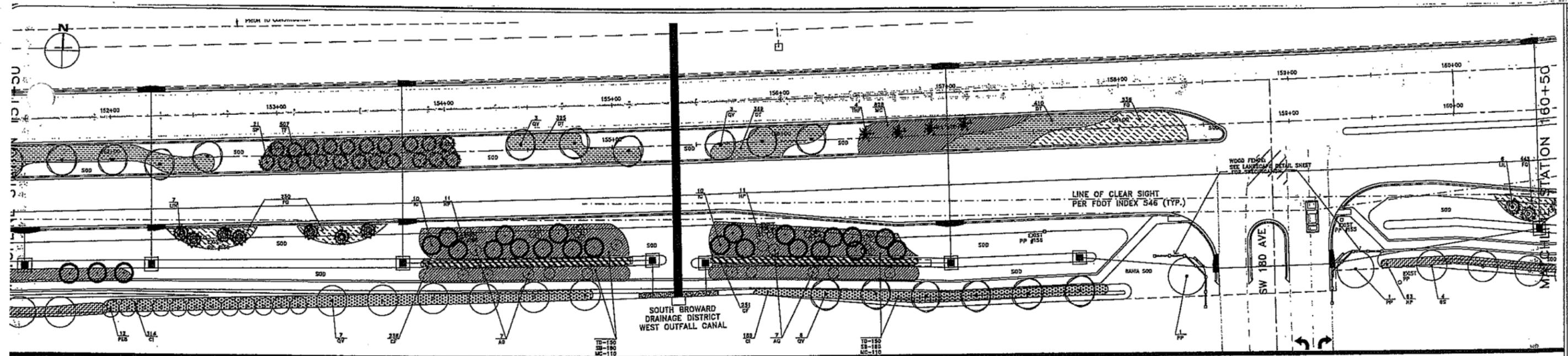
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
CR 818	BROWARD	227708-1-52-01

IRRIGATION PLAN

SHEET NO.
LD-56

TOWN OF SOUTHWEST RANCHES, FLORIDA
TOWN WIDE PARK AND RIGHT OF WAY MAINTENANCE SERVICES

ATTACHMENT D – GRIFFIN ROAD – WEST LANDSCAPE PLANS



C C I CONSULTANTS, INC.
 ENGINEERS SURVEYORS PLANNERS
 LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS
 2205 PARK CENTRAL BLVD., N. SUITE 100 POMPANO BEACH, FL 33064 (954) 974-3200
 ORLANDO

DRAWN _____
 DESIGNED _____
 CHECKED _____
 DATE 06/26/05

GRIFFIN ROAD
 LANDSCAPE PLAN
 SCALE 1"=50'
 PROJECT NO. 2984 (2118)
 SHEET 70 OF 81

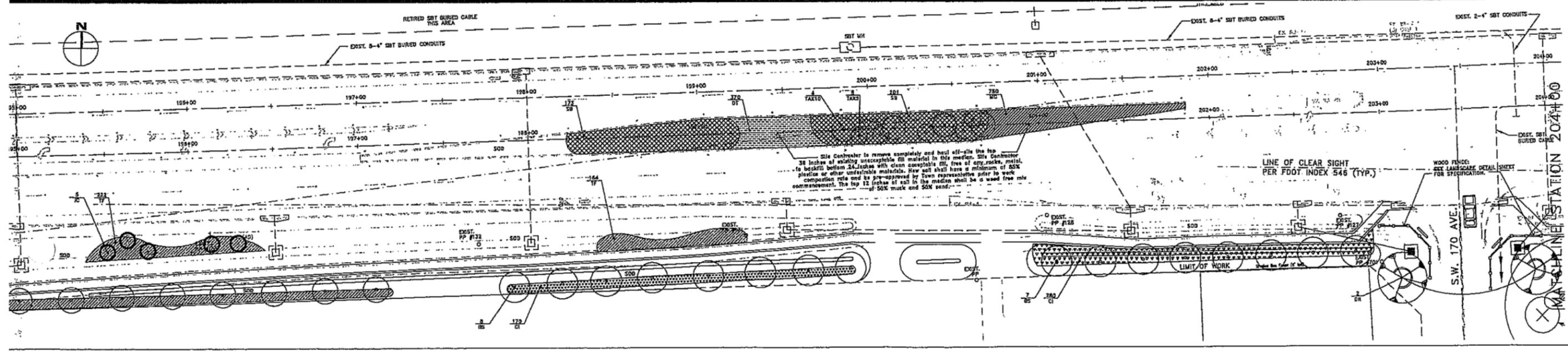
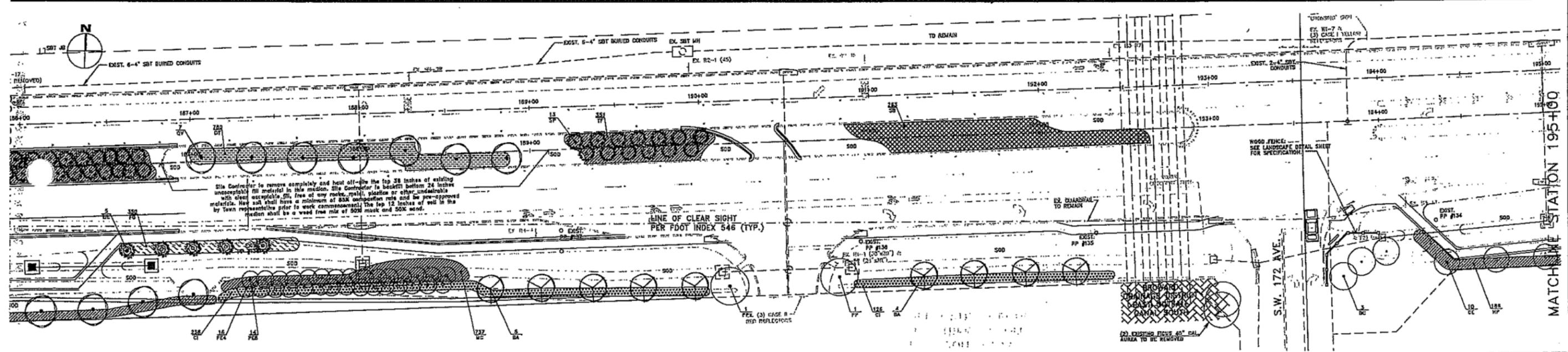
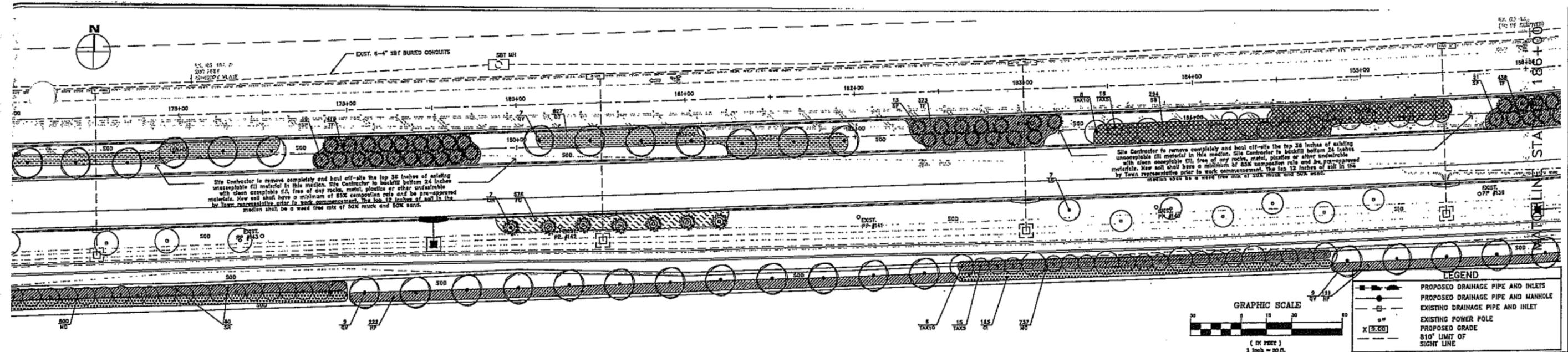
LEGEND

- PROPOSED DRAINAGE PIPE AND INLETS
- PROPOSED DRAINAGE PIPE AND MANHOLE
- - - - EXISTING DRAINAGE PIPE AND INLET
- EXISTING POWER POLE
- - - - PROPOSED GRADE
- 810' LIMIT OF SIGHT LINE

GRAPHIC SCALE

(IN FEET)
1 inch = 30 ft.

NO.	DATE	DESCRIPTION	BY
1	11/24/04	SUBMIT DESIGN FOR ENGINEERING WORKSHOP	...
2	12/10/04	REVISED PER TOWN COMMENTS (JAY)	...



DATE: 06/26/05

PROJECT NO. 2984 (2118)

SHEET 71 OF 81

SCALE 1" = 30'

LANDSCAPE PLAN

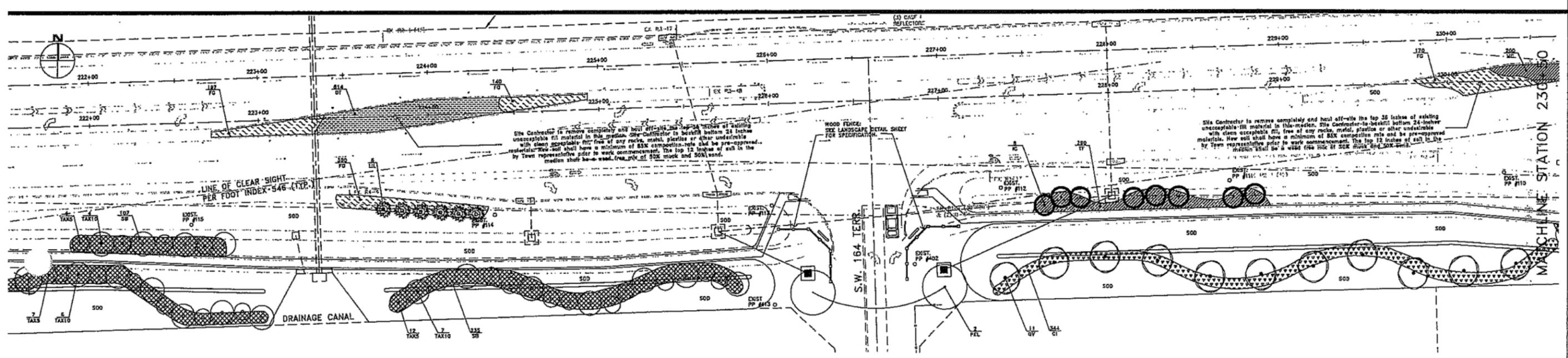
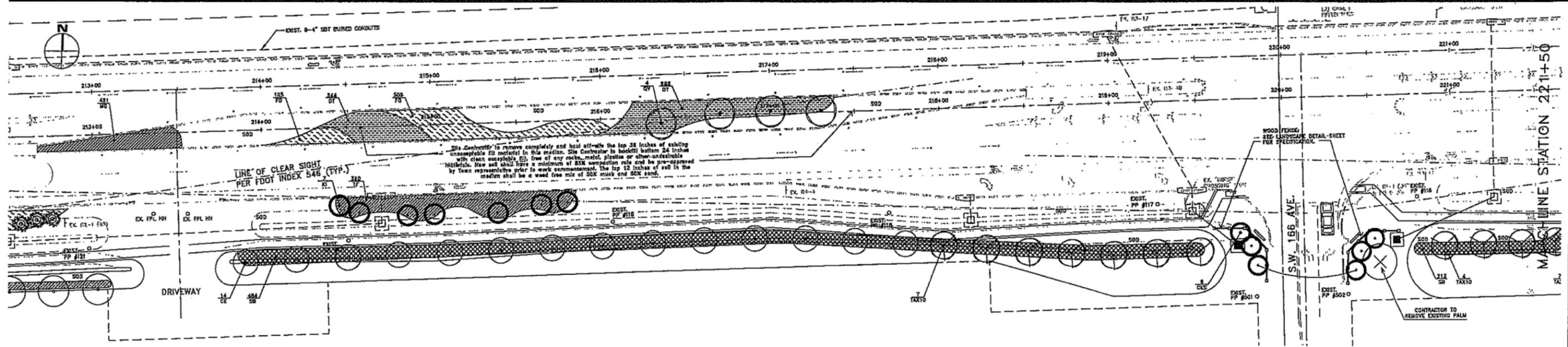
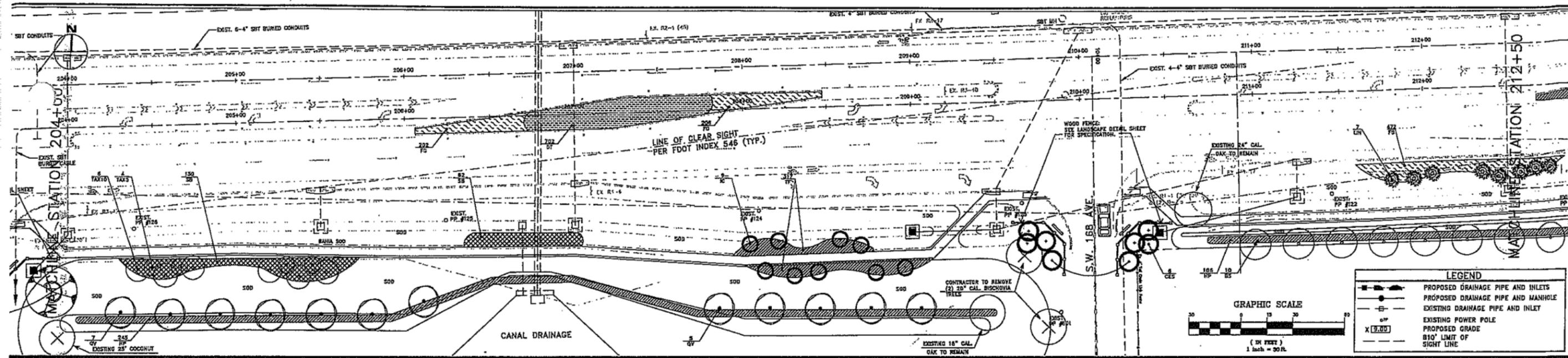
GRIFFIN ROAD

C C L CONSULTANTS, INC.

ENGINEERS ARCHITECTS ENVIRONMENTAL CONSULTANTS SURVEYORS PLANNERS

2500 PARK CENTRAL BLVD., N. SUITE 105 POMPANO BEACH, FL 33064 (954) 974-2330

ORLANDO POMPANO BEACH



LEGEND

- PROPOSED DRAINAGE PIPE AND INLETS
- PROPOSED DRAINAGE PIPE AND MANHOLE
- EXISTING DRAINAGE PIPE AND INLET
- EXISTING POWER POLE
- PROPOSED GRADE
- 810' LIMIT OF SIGHT LINE

GRAPHIC SCALE
(IN FEET)
1 inch = 30 ft.

C C I CONSULTANTS, INC.
ENGINEERS PLANNERS
LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS

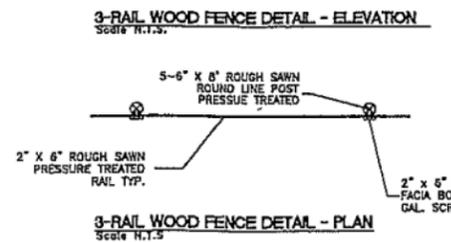
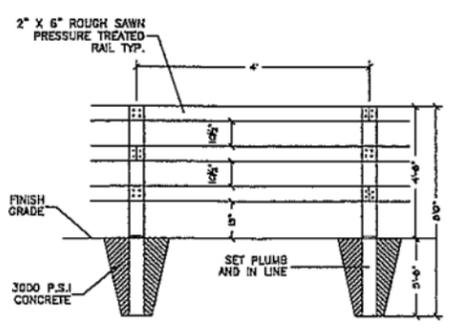
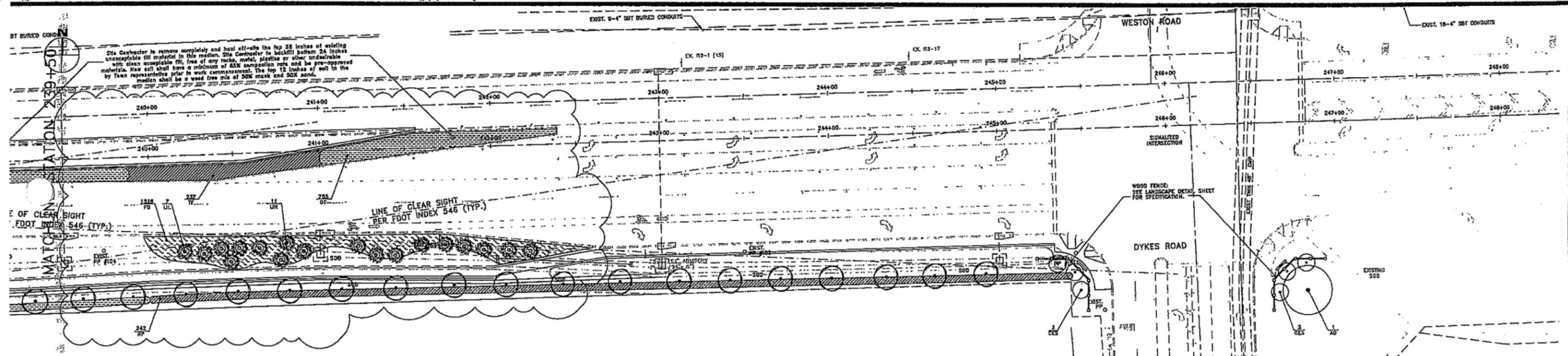
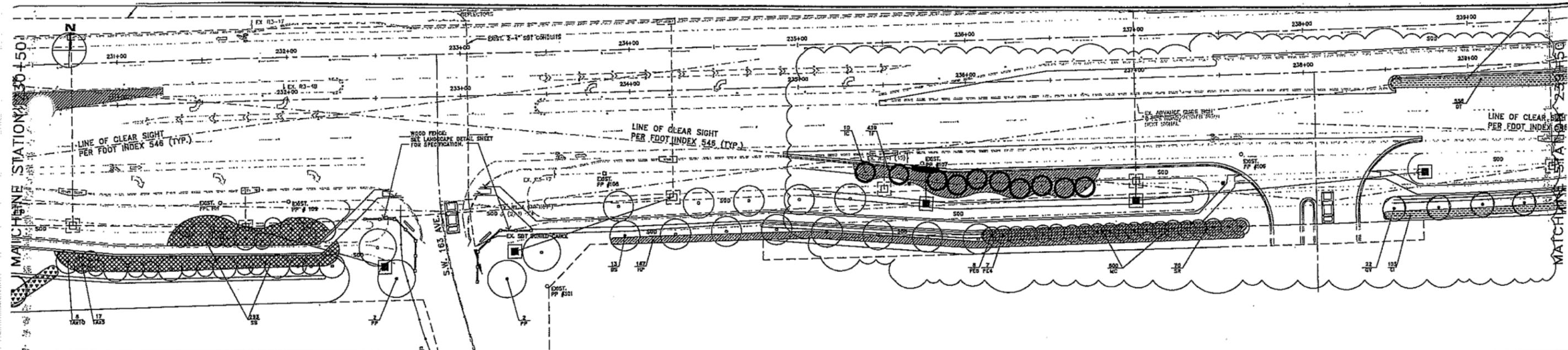
2808 PARK CENTRAL BLVD., N. SUITE 100 POMPANO BEACH, FL 33064 (854) 974-2200
ORLANDO POMPANO BEACH

DATE: 05/26/06

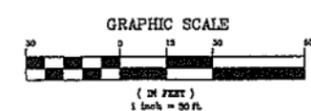
SCALE: 1"=30'

PROJECT NO.: 2984 (2118)

SHEET: 72 OF 81



- NOTE:
1. POSTS SHALL BE BACKFILLED WITH 3000 PSI CONCRETE.
 2. FOOTINGS FOR FENCE POSTS SHALL NOT EXCEED LEGALLY ESTABLISHED PROPERTY LINES. CONTRACTOR TO CONFIRM PROPERTY LINE LOCATION BEFORE CONSTRUCTING FENCE.
 3. LINE POSTS SHALL BE ROUGH SAWED 5-6" X 8" ROUND PRESSURE TREATED W/ACQ @ .40 LBS./CU. FT. FOR GROUND CONTACT.
 4. RAILS AND FACIA BOARDS SHALL BE ROUGH SAWED 1" X 6" X 16" PRESSURE TREATED W/ACQ @ .25 LBS./CU. FT.
 5. BOARDS SHALL BE FASTENED WITH HOT DIPPED GAL. SCREW SHANK NAILS, 16d, 3 1/2" LENGTH.
 6. APPLY CHLORINE BLEACH TO SURFACE TO EXPEDITE SUN-WEATHERED GRAY FINISH.



LEGEND	
	PROPOSED DRAINAGE PIPE AND INLETS
	PROPOSED DRAINAGE PIPE AND MANHOLE
	EXISTING DRAINAGE PIPE AND INLET
	EXISTING POWER POLE
	PROPOSED GRADE
	810' LIMIT OF SIGHT LINE

C C L CONSULTANTS, INC. ENGINEERS SURVEYORS PLANNERS LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS 2308 PARK CENTRAL BLVD., N. SUITE 100 POMPANO BEACH, FL 33064 (954) 974-2300 ORLANDO POMPANO BEACH		DATE	REV	DESCRIPTION
		DATE	REV	DESCRIPTION
DRAWN	DESIGNED	CHECKED	DATE: 06/26/05	
GRIFFIN ROAD LANDSCAPE PLAN		SCALE	1" = 30'	
		PROJECT NO.	2984 (2118)	
		SHEET	73 OF 81	

LANDSCAPE NOTES AND SPECIFICATIONS:

GENERAL NOTES:
 CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES. CARE MUST BE TAKEN NOT TO DISTURB OR DAMAGE ANY UTILITIES. ANY AND ALL DAMAGES WILL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR IN A MANNER APPROVED BY THE OWNER. WHERE UNDERGROUND CONSTRUCTION STRUCTURES WILL NOT PERMIT THE INSTALLATION PER PLANS, ACTIONS FOR THE SPECIFIED PLANT MATERIAL WILL BE DETERMINED BY THE LA.

CONTRACTOR SHALL BE RESPONSIBLE FOR COUNTING AND VERIFYING QUANTITIES OF ALL PLANT MATERIALS. THE PLANS SHALL TAKE PRECEDENCE OVER THE PLANTING SCHEDULE. FINAL PLANTS, SOIL, MULCH, AND TOPSOIL QUANTITIES SHALL BE VERIFIED BY THE CONTRACTOR.

SOIL QUANTITIES ARE LISTED ONLY FOR REFERENCE PURPOSES. CONTRACTOR RESPONSIBLE FOR MEASURING ACTUAL QUANTITIES AND FOR SOODING ENTIRE CONSTRUCTION AREA.

GENERAL CONDITIONS AND REQUIREMENTS
 1) WORK TO INCLUDE FURNISHING LABOR, MATERIALS, TOOLS AND EQUIPMENT, OBTAINING NECESSARY PERMITS, INSTALLING ALL MATERIALS NECESSARY TO COMPLETE IN PLACE THE LANDSCAPING AS SHOWN ON THE PLANS AND AS HEREIN SPECIFIED.

2) THE INSTALLATION SHALL COMPLY WITH ALL REGULATIONS OF THE COUNTY AND THE STATE OF FLORIDA. ALL LICENSES, PERMITS AND INSPECTIONS REQUIRED SHALL BE OBTAINED AND PAID FOR BY THE CONTRACTOR. AT COMPLETION OF THE WORK, THE CONTRACTOR WILL TRANSMIT ALL APPLICABLE CERTIFICATES OF INSPECTION TO THE OWNER OR AUTHORIZED REPRESENTATIVE.

3) THE CONTRACTOR AND THE LANDSCAPE SUBCONTRACTOR SHALL PROVIDE A QUALIFIED FOREMAN PRESENT ON THE SITE AT ALL TIMES. THE FOREMAN SHALL BE WELL-VERSED IN READING AND UNDERSTANDING PLANS. THE LANDSCAPE FOREMAN SHALL BE KNOWLEDGEABLE ABOUT BOTH FLORIDA PLANT MATERIAL AND ITS PROPER HANDLING. THE FOREMAN SHALL BE A FULLY AUTHORIZED AGENT OF THE CONTRACTOR, CAPABLE OF MAKING ON-SITE DECISIONS.

MATERIALS:
 1) PLANT SIZES - ALL SIZES SHOWN FOR PLANT MATERIALS ON THE PLAN ARE TO BE CONSIDERED AS MINIMUMS. ALL PLANT MATERIAL MUST MEET OR EXCEED THESE MINIMUM REQUIREMENTS FOR BOTH HEIGHT AND SPREAD. ANY OTHER REQUIREMENTS FOR SPECIFIC SHAPE OR BRIST AS NOTED ON THE PLAN WILL ALSO BE REQUIRED FOR ACCEPTANCE.

2) PLANT QUALITY: ALL PLANT MATERIAL FURNISHED BY THE LANDSCAPE CONTRACTOR UNLESS OTHERWISE SPECIFIED, SHALL BE FLORIDA NO. 1, OR BETTER, AND SHALL BE INSTALLED AS SPECIFIED IN "GRADES AND STANDARDS FOR NURSERY PLANTS", LATEST EDITION.

3) PLANTS NOT LISTED IN "GRADES AND STANDARDS FOR NURSERY PLANTS" SHALL CONFORM TO THE FLORIDA STANDARDS SPECIFIED FOR PLANTS LISTED WITH SIMILAR GROWTH HABITS. THE FLORIDA STANDARDS TO BE MET INCLUDE FREEST, FREEST, MECHANICAL DAM, FOLIAGE CONDITIONS, TRUNK AND BRANCHING HAT, ROOT CONDITION.

4) BALSAM AND BURLAPPED (BIB) PLANTS SHALL BE HANDLED BY THE ROOTBALL ONLY. PLANTS WITH CRACKED OR LOOSE ROOTBALLS WILL NOT BE ACCEPTED. ROOTBALLS ARE TO BE A SIZE NORMAL TO SOUND NURSERY PRACTICE. ROOT SYSTEMS SHALL BE WELL-BRANCHED AND FIBROUS.

5) CONTAINER GROWN PLANTS SHALL BE WELL-ROOTED. PLANTS THAT ARE ROOTBOUND OR ARE DISPROPORTIONATELY LARGE FOR THE CONTAINER SIZE WILL NOT BE ACCEPTED.

6) PLANTS GROWN IN PLATS SHALL BE WELL-ROOTED AND HEAVILY FOLIAGED.

7) ROOT PRUNING: PLANTS SHALL BE ROOTPRUNED OR PREPARED AS NECESSARY TO AVOID TRANSPLANTING CAUSED DIEBACK OR DEFLIATION IN EXCESS OF TWENTY-FIVE PERCENT UNLESS ATTRIBUTED TO SEASONAL CHANGE. PLANTS EXHIBITING THESE CHARACTERISTICS WILL BE REMOVED AT THE REQUEST OF THE OWNER, OR AUTHORIZED REPRESENTATIVE.

8) PALMS: ALL PALMS SHALL BE FLORIDA GRADE NO. 1, OR BETTER, AS SPECIFIED IN "GRADES AND STANDARDS FOR NURSERY PLANTS", LATEST EDITION. UNLESS OTHERWISE SPECIFIED, ALL NON-SABAL PALM TREES SHALL BE FREE OF DEFECTS. PALMS WITH BURNED OR IRREGULAR TRUNKS UNLESS SPECIFIED, TRUNKS WITH NAILS IN THEM OR CABLE AND OTHER MECHANICAL SCARS WILL BE UNACCEPTABLE. REMOVE ALL DEAD FRONDS AND TAPER TRUNK BY NO MORE THAN ONE-THIRD OF PALM HEAD.

9) SUBSTITUTIONS: SUBSTITUTIONS OF PLANT TYPE OR SIZE WILL NOT BE ACCEPTED UNLESS SUBSTANTIAL DOCUMENTATION IS SUBMITTED SHOWING THE UNAVAILABILITY OF THE PARTICULAR PLANT TYPE OR SIZE.

10) PLANTING SOIL: ALL PLANT MATERIAL INSTALLED SHALL BE PLANTED WITH TOPSOIL THAT IS CLEAN AND COMPLETELY FREE OF CONSTRUCTION DEBRIS, WEEDS, VIABLE WEED SEEDS, NOXIOUS PESTS, ROCKS, DISEASE, AND MATERIALS. THE TOPSOIL IS TO BE FIFTY PERCENT THICK AND FIFTY PERCENT SAND.

11) MULCH: ALL MULCH SHALL BE FLORIDA GRADE NO. 1 MELALEUCA MULCH OF UNIFORM SIZE AND APPEARANCE.

12) PLANTING BEDS: THE PLANTING BEDS SHALL BE PREPARED TO PROVIDE ADEQUATE DRAINAGE FOR GOOD PLANT GROWTH. THE CONTRACTOR SHALL REPORT IN WRITING ANY CONTAMINANTS DISCOVERED IN A PLANTING BED THAT WOULD INHIBIT GOOD PLANT GROWTH TO THE OWNER, OR HIS AGENT, PRIOR TO PLANTING IN SUCH A CONTAMINATED PLANT BED.

13) FERTILIZERS: TREES AND SHRUBS SHALL BE FERTILIZED WITH 21 GRAM AGRIFORM FERTILIZER TABLETS WITH A 20-10-5 NITROGEN, PHOSPHOROUS, AND POTASSIUM ANALYSIS AT THE APPLICATION RATES AS FOLLOWS:

CONTAINER SIZE:	APPLICATION RATE:
1 CONTAINER	1 TABLET
3 CONTAINER	2 TABLETS
5 CONTAINER	3 TABLETS
7 CONTAINER	5 TABLETS

BIBS SHRUBS AND SHRUBS IN LARGE CONTAINERS: 1 TABLET FOR EACH ONE FOOT OF HEIGHT

TREES - 1 TABLET FOR EACH 1/2 INCH OF TRUNK DIAMETER MEASURED 18" ABOVE FINISHED GRADE

14) PALMS SHALL BE FERTILIZED WITH "PALM SPECIAL" MIN. OF 50% PERCENT ORGANIC FERTILIZER, CONTAINING NITROGEN, PHOSPHOROUS AND POTASSIUM AS MAJOR ELEMENTS AND CONTAINING MINOR ELEMENTS INCLUDING IRON, MANGANESE, MAGNESIUM AND ZINC. APPLICATION SHALL BE ACCORDING TO MANUFACTURER'S SPECS. AREAS TO BE SOODED SHALL BE FERTILIZED WITH A FIFTY PERCENT ORGANIC 6-6-6 NITROGEN, PHOSPHOROUS, AND POTASSIUM FERTILIZER WITH IRON, MANGANESE AND MAGNESIUM AS MINOR ELEMENTS. APPLICATION SHALL BE AT THE RATE OF ONE POUND OF ACTUAL NITROGEN PER ONE THOUSAND SQUARE FEET AND SHALL BE FULLY INCORPORATED INTO THE TOP TWO INCHES OF SOIL.

15) FERTILIZE GROUND COVER AREAS WITH AN EQUAL ANALYSIS OF GRANULAR FERTILIZER SUCH AS 12-6-8 AND THE NITROGEN DERIVED FROM UREA FORM. MINOR ELEMENTS SHALL INCLUDE IRON, ZINC, AND MANGANESE. INCORPORATE INTO THE TOP EIGHT (8) INCHES OF SOIL AT THE RATE RECOMMENDED BY THE MANUFACTURER FOR NEW PLANT BEDS.

16) MULCH: ALL TREES IN SOO AREAS ARE TO HAVE A THIRTY INCH RING COVERED WITH A THREE INCH LAYER OF MELALEUCA MULCH. COVER ALL SHRUB BEDS WITH A TWO INCH LAYER OF MELALEUCA MULCH. MULCH PLANTS WITHIN TWENTY-FOUR HOURS OF PLANTING.

17) WATERING: HAND WATERING SHALL BE DONE AS NEEDED TO KEEP THE PLANT ROOT MASSES AND PLANTING SOIL UNFORELTY MOIST TO MAINTAIN A HEALTHY GROWING CONDITION UNTIL FINAL JOB ACCEPTANCE BY THE OWNER OR AUTHORIZED REPRESENTATIVE. ANY PLANTS WITH ROOT MASSES THAT DRY OUT WILL NOT BE ACCEPTABLE.

18) SOODING: PLACE SPECIFIED SOLID SOO IN ALL AREAS NOT COVERED WITH PLANT MATERIAL OR PAVING AS NOTED ON THE PLANS. THE SOO AND SOO BED SHALL BE MOIST AT THE OF INSTALLATION. THE SOO SHALL BE THICK, WELL-MATTED AND EVENLY CUT. THE SOO SHALL BE STRONG ENOUGH SO IT RETAINS ITS SHAPE WHEN HANDLED BY THE TOP GRASS BLADES. THE SOO PIECED SHALL BE A MINIMUM 12" X 24" SIZE. THE SOO BED IS TO BE WELL-COMPACTED AND EVEN. THE SOO SHALL BE LAID BY HAND SO THERE ARE NO GAPS OR VOIDS BETWEEN PIECES. STAGGER THE SOO PIECES BETWEEN ROWS. ON SLOPES, THE ROWS SHALL RUN 90° TO THE SLOPE DIRECTION. ROLL OR HAND TAMP THE SOO IMMEDIATELY AFTER INSTALLATION AND COMMENCE WATERING. THE SOO LEVEL SHALL BE SET SO WATERFLOW FROM ADJACENT SURFACES IS NOT IMPEDED. MAINTENANCE OF THE SOO WILL BE THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ACCEPTANCE BY THE OWNER, OR AUTHORIZED REPRESENTATIVE. MOUNTS SHALL BE DONE OFTEN ENOUGH SO NO MORE THAN ONE-THIRD THE HEIGHT OF THE GRASS BLADE IS REMOVED. THE SOO SHALL BE GUARANTEED FREE OF WEEDS AND PESTS THAT AFFECT ITS UNIFORM APPEARANCE FOR NINETY DAYS. SOO LINES AT SHRUB BEDS, TREE RINGS AND PAVEMENTS SHALL BE CUT EVEN AND SHARP.

19) SMALL TREE STAKING: ALL SINGLE STEM TREES SHALL BE SECURELY GUAYED AND STAKED AT THE OF PLANTING, USING THREE 1/2" BLACK WELLDINGTON TAPE STAKES ARE TO BE SET BELOW FINISHED GRADE. FASTEN A MINIMUM OF ONE 6" X 1 1/2" PLASTIC WHITE FLAGGING HALFWAY UP EACH TAPE.

20) TREE WITH NAILS IN THEIR TRUNKS OR TREES WITH OTHER MECHANICAL TRUNK DAMAGE WILL NOT BE ACCEPTABLE.

21) PLANTING: REMOVE THE EXCAVATED MATERIAL FROM THE PLANT HOLES AND REPLACE WITH PLANTING SOO. SOO PLANTING AREAS ARE TO HAVE A CONTINUOUS TWO INCHES DEPTH OF PLANTING SOO. GROUND COVER PLANTING AREAS ARE TO BE EXCAVATED TO A DEPTH OF SIX INCHES. SHRUB PLANTING AREAS ARE TO BE EXCAVATED SIX INCHES DEEPER THAN THE ROOT DEPTH AND SIX INCHES GREATER IN RADIUS. TRENCH HEDGE PLANTING STRIPS SIX INCHES DEEPER THAN THE ROOT DEPTH AND SIX INCHES WIDER ON EACH SIDE OF THE PLANTS.

ALL TREES LOCATED IN SOO TO BE INSTALLED WITH 3"-DIAMETER MULCHED RING AROUND TRUNK.

ALL PLANTING BEDS AND TREE LOCATIONS ARE TO BE STAKED IN THE FIELD PRIOR TO INSTALLATION. LOCATIONS ARE SCHEMATIC AND MAY REQUIRE ADJUSTMENT. IN EVENT OF CONFLICTS WITH UTILITIES, EXISTING PLANT MATERIAL, ETC., LANDSCAPE ARCHITECT TO APPROVE FINAL LOCATIONS.

EXCAVATE ALL TREE PLANTING HOLES TWELVE INCHES DEEPER THAN THE ROOTBALL DEPTH. LOOSEN THE BOTTOM OF THE HOLE SIX INCHES DEEPER THAN THE REQUIRED HOLE DEPTH. TREES WITH ROOTBALLS TWO FEET IN DIAMETER OR LESS SHALL BE PLANTED IN HOLES ONE FOOT GREATER IN RADIUS. TREES WITH ROOTBALLS GREATER THAN TWO FEET AND LESS THAN FOUR FEET IN DIAMETER SHALL BE PLANTED IN HOLES EIGHTEEN INCHES GREATER IN RADIUS.

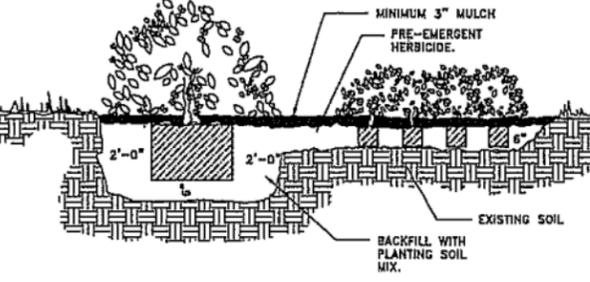
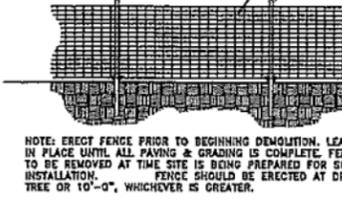
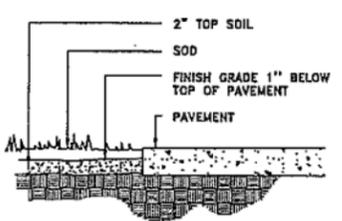
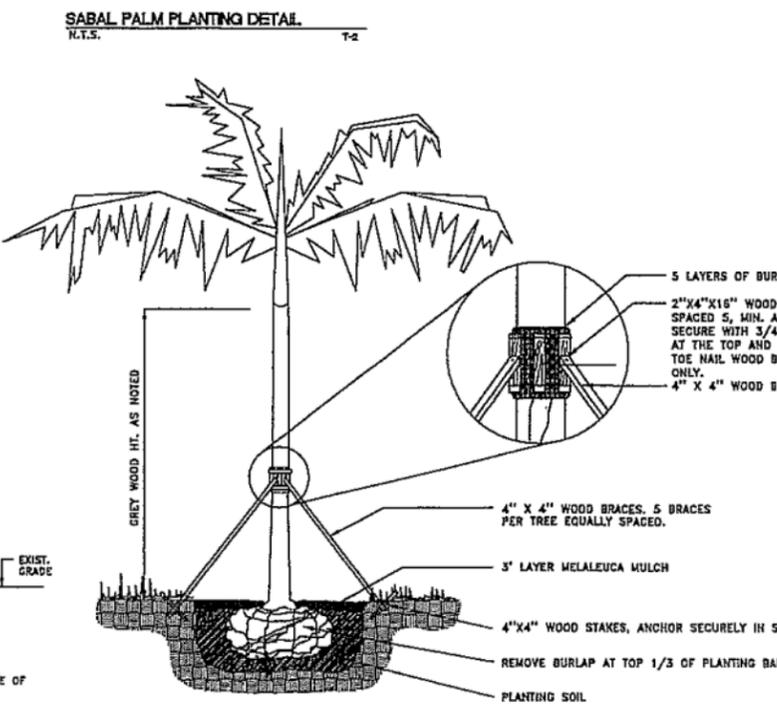
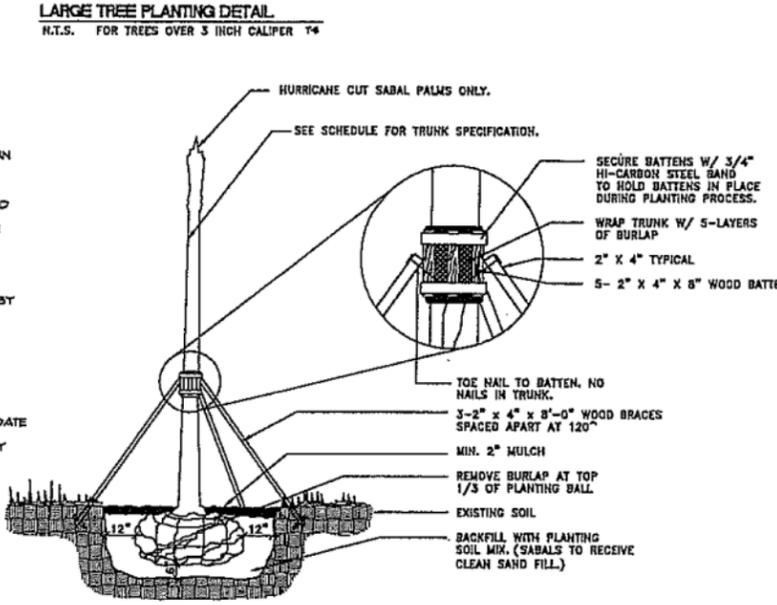
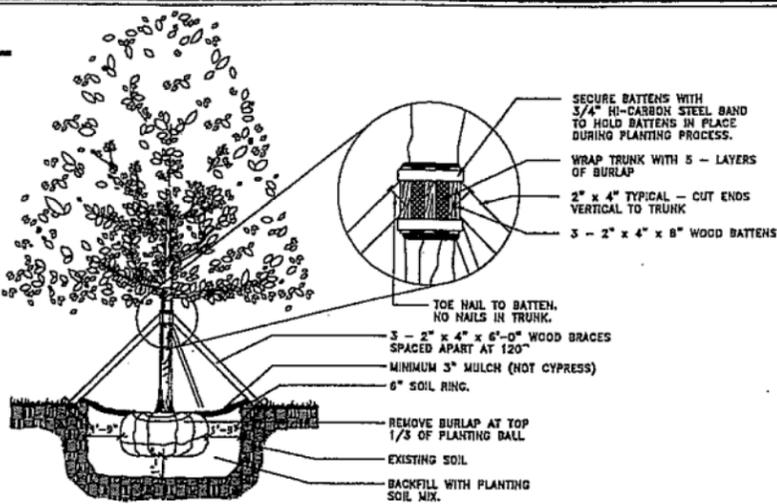
SET ALL PLANTS ON A FIRM WELLD COMPACTED BASE IN A STRAIGHT UPRIGHT POSITION AT THE BASE DEPTH AS BEFORE TRANSPLANTING TO THE TOP OF THE ROOTBALL IS EQUAL TO THE LEVEL OF THE SURROUNDING FINISHED GRADE. USE SOO JACKFILLING AROUND THE PLANTS, TAMP AND WATER IN THE TOP SOO TO ELIMINATED AIRPOCKETS. RELEVEL AND FILL ANY AREAS THAT SETTLE AFTER COMPLETION OF THE JOB. THE OWNER OR AUTHORIZED REPRESENTATIVE WILL REQUIRE PLANTS BE RESET IF NOT SET PROPERLY.

PRUNING: ALL PRUNING SHALL BE DONE IN ACCORDANCE WITH STANDARDS SET FORTH BY THE INTERNATIONAL SOCIETY OF AGRICULTURE. LIMIT PRUNING TO BROKEN OR DAMAGE STEMS. PRUNE BACK TO THE PARENT STEM IF NECESSARY TO COMPENSATE FOR ROOTS LOST IN TRANSPLANTING. NO PRUNING SHALL BE DONE TO ADVERSELY AFFECT THE NATURAL HABIT OR SHAPE OF PLANTS UNLESS OTHERWISE SPECIFIED. ROOTS THAT ARE BROKEN OR JAGGED SHALL BE CUT CLEANLY. THE OWNER OR AUTHORIZED REPRESENTATIVE RESERVES THE RIGHT TO REQUIRE ADDITIONAL PRUNING FOR AESTHETIC OR OTHER REASONS.

D. FINAL COMPLETION: THE CONTRACTOR SHALL BE RESPONSIBLE FOR LEAVING THE JOB SITE FREE OF ALL CONSTRUCTION DEBRIS AND IN AN ORDERLY STATE. CLEAN ALL WALKS, PAVING, AND SITE FEATURES OF DIRT, TREE MARKS AND OTHER DEBRIS. WEEDING OF PLANT BEDS, PRUNING OF SHRUBS, CUTTING AND TRIMMING OF GRASS WILL BE DONE UNTIL THE JOB IS COMPLETE AND ACCEPTED BY THE OWNER OR AUTHORIZED REPRESENTATIVE. UNTIL FINAL ACCEPTANCE, THE PLANT MATERIALS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

E. EXCESS SUITABLE MATERIAL: UPON DIRECTION OF THE OWNER OR AUTHORIZED REPRESENTATIVE, ALL VEGETATION DEBRIS, CONCRETE, OR OTHER UNSUITABLE MATERIALS SHALL BE DISPOSED IN A SUITABLE MANNER BY THE CONTRACTOR.

F. GUARANTEE: ALL PLANT MATERIAL AND WORK SHALL BE GUARANTEED FOR ONE YEAR FROM DATE OF FINAL JOB ACCEPTANCE. DURING THE ONE YEAR GUARANTEE, ANY PLANT MATERIAL THAT DIES, OR IS IN AN UNHEALTHY CONDITION SHALL BE REPLACED WITH THE SAME PLANT TYPE AT LEAST EQUAL TO THE OIZE AND QUALITY ORIGINALLY SPECIFIED. THE REPLACEMENT MATERIAL SHALL ALSO BE GUARANTEED FOR ONE YEAR FROM THE DATE OF ITS INSTALLATION. THE GUARANTEE WILL BE NULL AND VOID IF PLANT MATERIAL IS DAMAGED OR KILLED BY LIGHTNING, HURRICANE FORCE WINDS, HAIL OR FREEZE.



GRIFFIN ROAD IMPROVEMENTS / BROWARD COUNTY PROJECT #5067				
#5067				
SOUTHWEST RANCHES, FLORIDA				
CODE	BOTANICAL NAME	COMMON NAME	QTY.	SPECIFICATIONS
TREES				
AD	Adansonia digitata	Baobab	1	14' x 6' FG, 4" cal.
BA	Bauhinia arborea	Vera	26	14' x 6' FG, 3" cal. 8' c.t.
BB	Bauhinia blakeana	Hera Kangaroo	2	14' x 6' FG, 3" cal. 8' c.t.
BC	Bauhinia variegata 'Candida'	White Orchid	18	12' x 6' FG, 3" cal.
BS	Bursera simaruba	Gumbo Limbo	42	12' x 4' FG, 2" cal.
CB	Ceiba bimbax	Red Silk Cotton	2	14' x 6' FG, 4" cal.
CE	Conocarpus erectus	Green Buttonwood	33	10' x 4' 25 Gal, 2" cal.
CES	Conocarpus erectus 'Sericus'	Silver Buttonwood	38	10' x 6' Standard BAB
CR	Citrus rosea	Pilch Apple	20	10' x 4' 25 Gal, 2" cal.
**CS	Chorfaea speciosa	Silk Floss Tree	4	14' x 8' FG, 4" cal.
DR	Delonix regia	Royal Palmcane	2	14' x 8' FG, 4" cal.
IL	Ilex cassina	Dahoon Holly	112	9' x 4' 15 gal, 2" cal. Arb.
LJL	Lagerstroemia indica 'Muskgosa'	Crepe Myrtle	38	FG 10' - 12' FG, 5 stem min.
LIN	Lagerstroemia indica 'Natchez'	Crepe Myrtle	40	FG 10' - 12' FG, 6 stem min.
LS	Lyallia sabou	Weeping Tamarind	12	12' x 6' FG 3" cal.
PE4	Pinus elliotii 'Densa'	South Florida Slash Pine	66	5' X 1' 7 gal 1" cal.
PEB	Pinus elliotii 'Densa'	South Florida Slash Pine	113	9' X 3' 30 gal 2.5" cal.
PEL	Pandanus bambusa	Shaving Brush	2	12' x 6' FG 3" cal.
PP	Peltapharum pterocarpum	Yellow Palmcane	8	14' x 8' FG 3" cal.
**QV	Quercus virginiana	Live Oak	150	14' x 5' FG 3" cal. 8' c.t.
SC	Spathodea campanulata	African Tulip Tree	6	12' x 6' FG 3" cal.
TAX5	Taxodium distichum	Bald Cypress	106	5' x 3' 7 gal 1" cal.
TAX10	Taxodium distichum	Bald Cypress	91	10' x 5' 30 gal. 3" cal. Arb.
PALMS				
SP10	Sabal palmetto	Sabal Palm	35	10' O.A. ht. booted
SP20	Sabal palmetto	Sabal Palm	35	20' O.A. ht. booted on top half, curved trunk
SP30	Sabal palmetto	Sabal Palm	38	30' O.A. ht. booted on top half, curved trunk
THF	Phycosperma elegans	Alexander Palm	4	8' Clear Min. Trunks Triple
SHRUBS				
CI	Chrysobalanus icaya 'Redlip'	Redlip Coccoloba	3190	3 gal, 24" ht., 24" spr., 30" o.c.
**HP	Hamelia patens 'Compaola'	Dwarf Fire Bush	2464	3 gal, 24" x 24" 0.36" o.c.
SR	Serenoa repens 'Silver'	Silver Saw Palmetto	320	3 gal, 12" x 12" var. spacing see Landscape Architect
GROUND COVER				
AG	Annona glabra	Pand Apple	14	3 gal, 12" ht.
CF	Canna flaccida	Golden Canna	489	1 gal full 0.16" o.c.
DT	Dianella tasmanica	New Zealand Flax	12846	1 gal, 8" x 4" 0.15" o.c.
FG	Ficus microcarpa 'Green Island'	Ficus Green Island	8662	3 gal, 15" x 10" 0.18" o.c.
MC	Muhlenbergia capillaris	Muhly Grass	11322	1 gal, full 0.15" o.c.
SB	Spartina bakeri	Sand Cordgrass	3731	1 gal, 12" ht. 30" o.c.
TD	Tripsacum dachtyloides	Fakahatchee Grass	300	1 gal 18" ht. 3" o.c.
TF	Tripsacum floridana	Florida Gamma Grass	7408	1 gal., 12" ht., 24" o.c.
Sod	Paspalum notatum	Bahia Sod	30000 S.F.	
NOTE: In earlier Phase 1 Construction (Dykes Rd. to sw 172 Ave.), Bahia sod was installed along South side of Griffin Road and is to remain. Some rehabilitation will be necessary especially near new sidewalk construction and irrigation trenching. Contractor is responsible for measuring the actual quantities of new and rehabilitated SOO for payment items.				
e.c. - On Center				
Arb - Air Root Prune Container				
FG - Field Grown/Ball and Burlap				
c.t. - Clear Trunk				

** INDICATES QUANTITY ADJUSTMENT AS SHOWN ON SHEET 09-A PER ENGINEERING REVISIONS.

CCL CONSULTANTS, INC.

ENGINEERS SURVEYORS PLANNERS
 LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS

2200 PARK CENTRAL BLVD., N. SUITE 100 POMPANO BEACH, FL 33064 (954) 974-2200
 ORLANDO POMPANO BEACH

DRAWN: DESIGNED: CHECKED: DATE: 06/26/06

GRIFFIN ROAD
 LANDSCAPE DETAILS AND NOTES

SCALE: 1"=30'

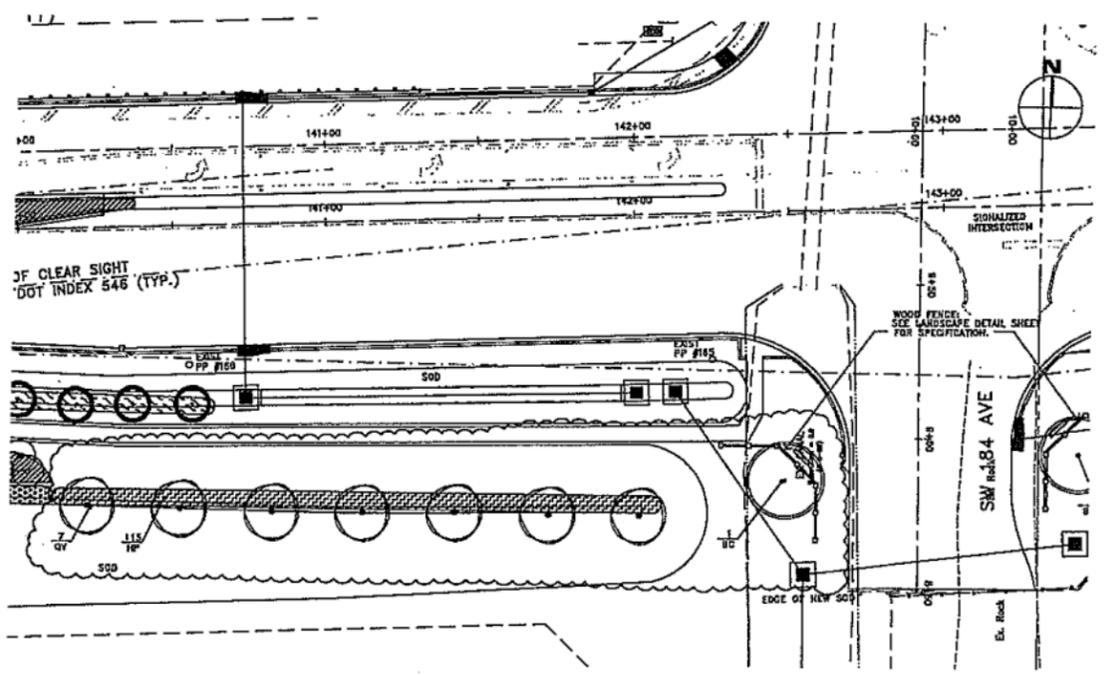
PROJECT NO. 2984 (2118)
 SHEET 74 OF 81



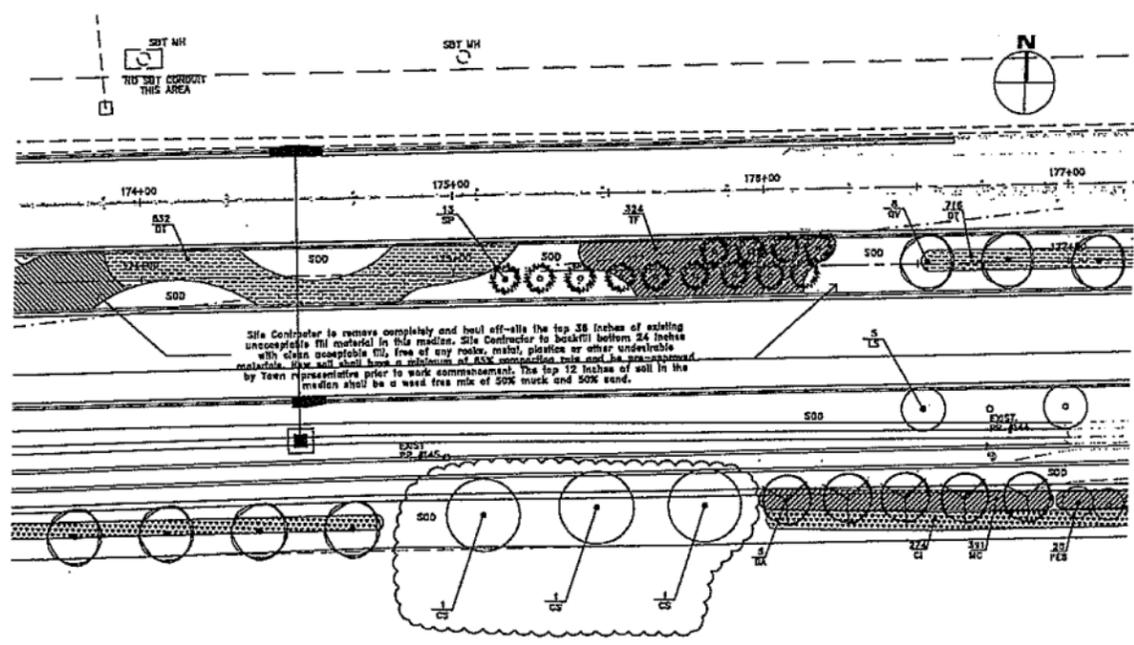
**GRIFFIN ROAD
LANDSCAPE PLAN**

CITY OF SOUTHWEST RANCHES BROWARD COUNTY FLORIDA
SCALE: 1" = 30'-0" JOB NO: 2118
SHEET: L-89A

CIVIL ENGINEERS & LAND PLANNERS
TRANSPORTATION PLANNERS & LANDSCAPE ARCHITECTS
12500 WEST ATLANTIC BOULEVARD
CORAL SPRINGS, FLORIDA 33071
(954) 344-8855
LCH 28000270



**REVISION TO SHEET 69
MATCHLINE STATION NUMBER 143+00**

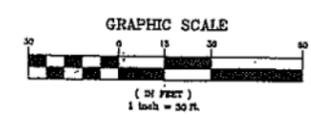


**REVISION TO SHEET 70
MATCHLINE STATION NUMBER 177+00**

**Griffin Road
PLANT MATERIALS LIST Hardiness Zone 10b**

THE FOLLOWING PLANT MATERIAL ADJUSTMENTS SHALL BE MADE TO THE APPROVED LANDSCAPE PLAN DATED 6/26/06 (REVISED 3/1/07) DUE TO SITE AND ENGINEERING REVISIONS.

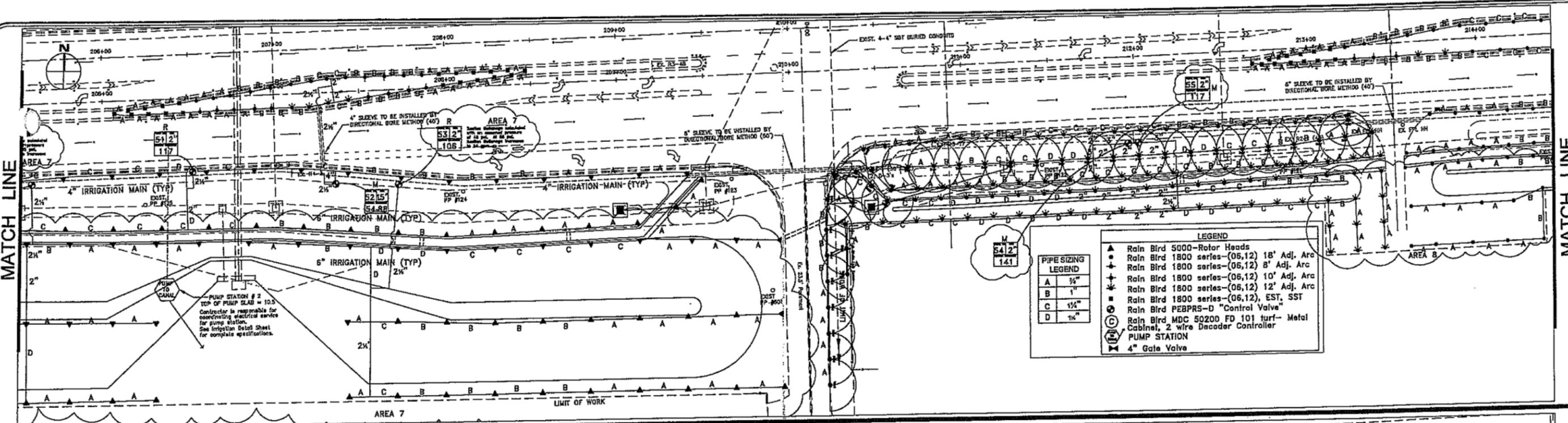
Key	Scientific Name	Common Name	Height x Spread / Description	Spacing	Original Total for Entire Project	Qty	Revised Total for Entire Project
LARGE TREES greater than 30 ft. at maturity							
OV	<i>Quercus virginiana</i>	Live Oak	14' ht. x 5' spr., full canopy, 3" cal., Field Grown	per plan	150	(-1)	149
CS	<i>Chorisia speciosa</i>	Silk Floss Tree	14' ht. x 8' spr., full canopy, 4" cal., Field Grown	per plan	4	1	5
SHRUBS							
HP	<i>Hamelia patens 'Compacta'</i>	Dwarf Fire Bush	24" ht. x 24" spr., 3 Gal.	36" OC	2,464	(-51)	2,413



REVISIONS

No.	DESCRIPTION	BY	DATE/CK'D
DLH	SHEET INSERTION PER ENGINEERING REVISIONS	DLH	11/25/08 PJD

START DATE: +
DESIGNED BY: DLH
DRAWN BY: DLH
CHECKED BY: DLH
ARCHIVE NO:

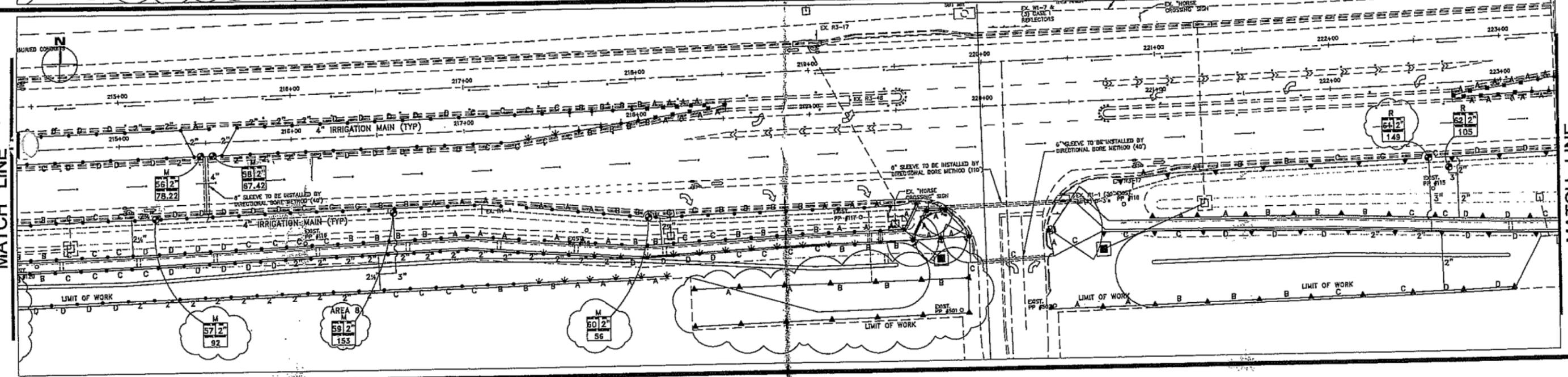


LEGEND

- ▲ Rain Bird 5000-Rotor Heads
- Rain Bird 1800 series-(06,12) 18' Adj. Arc
- Rain Bird 1800 series-(06,12) 8' Adj. Arc
- ✱ Rain Bird 1800 series-(06,12) 10' Adj. Arc
- ✱ Rain Bird 1800 series-(06,12) 12' Adj. Arc
- ⊙ Rain Bird 1800 series-(06,12), EST, SST
- ⊙ Rain Bird PEBPRS-D "Control Valve"
- ⊙ Rain Bird MDC 50200 FD 101 turf-Metal Cabinet, 2 wire Decoder Controller
- ⊙ PUMP STATION
- ⊙ 4" Gate Valve

PIPE SIZING LEGEND

A	3/4"
B	1"
C	1 1/4"
D	1 1/2"



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PLANNERS • SURVEYORS • LANDSCAPE ARCHITECTS

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POMPADOUR BEACH • ORLANDO

IRRIIGATION PLAN

GRIFFIN ROAD

SCALE 1" = 30'

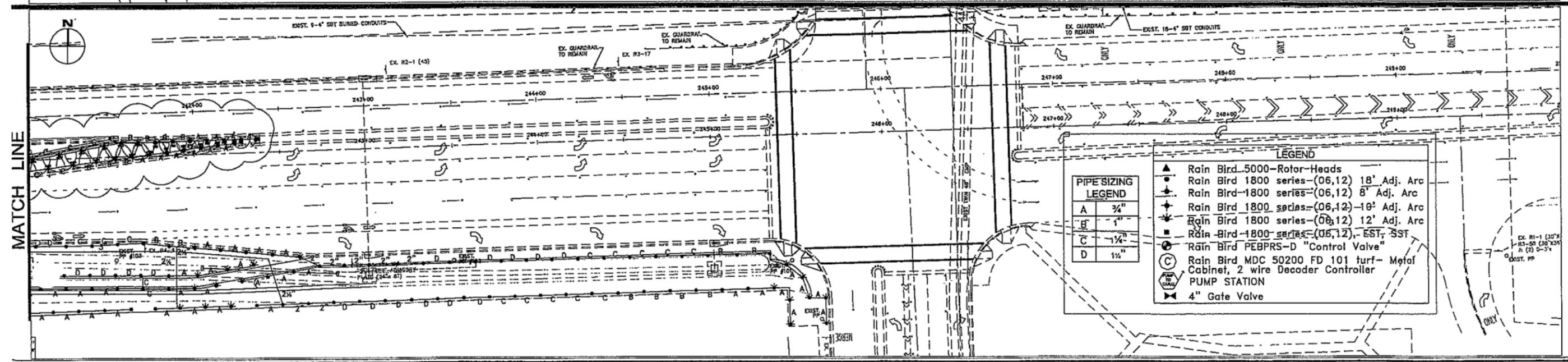
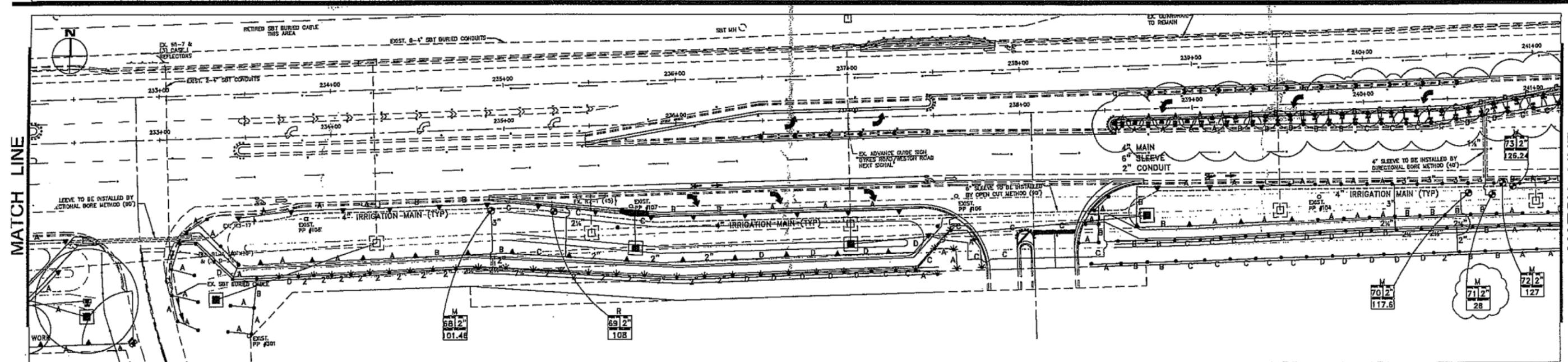
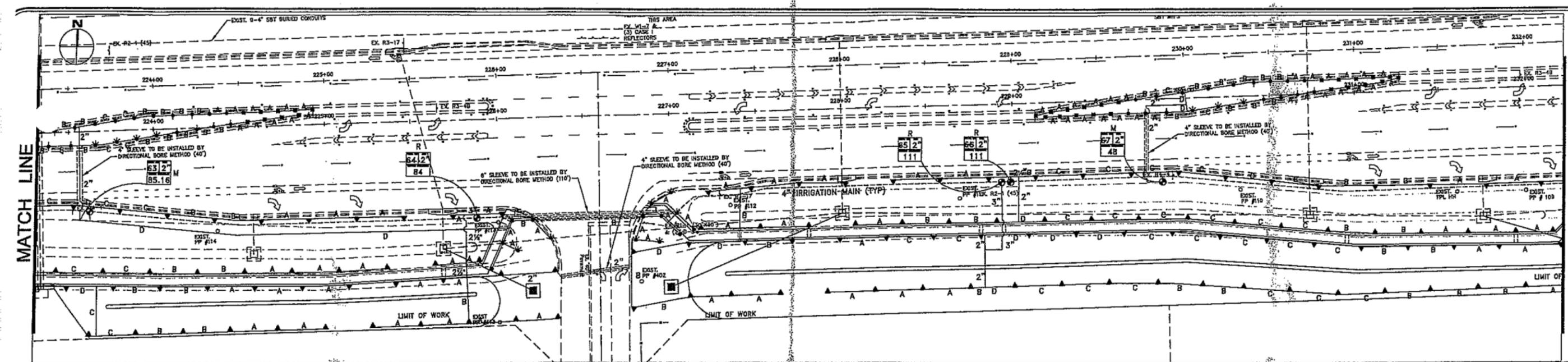
PROJECT NO. 2984-10

SHEET 78 OF 81

DATE 11/27/05

DRAWN DESIGNED CHECKED

REV. DATE DESCRIPTION



LEGEND

- ▲ Rain Bird 5000-Rotor-Heads
- Rain Bird 1800 series-(06,12) 18' Adj. Arc
- ◆ Rain Bird-1800 series-(06,12) 8' Adj. Arc
- ✦ Rain Bird 1800 series-(06,12)-10' Adj. Arc
- ✧ Rain Bird 1800 series-(06,12) 12' Adj. Arc
- Rain Bird-1800 series-(06,12)-EST, SST
- ⊙ Rain Bird PEBPRS-D "Control Valve"
- ⊙ Rain Bird MDC 50200 FD 101 turf- Metal Cabinet, 2 wire Decoder Controller
- ⊙ PUMP STATION
- ⊙ 4" Gate Valve

PIPE SIZING LEGEND	
A	¾"
B	1"
C	1¼"
D	1½"

GRIFFIN ROAD

IRRIGATION PLAN

SCALE: 1"=30'

PROJECT NO.: 2984-10

SHEET: 79 OF 81

DATE: 11/27/06

DRAWN: []

DESIGNED: []

CHECKED: []

CCCL CONSULTANTS, INC.

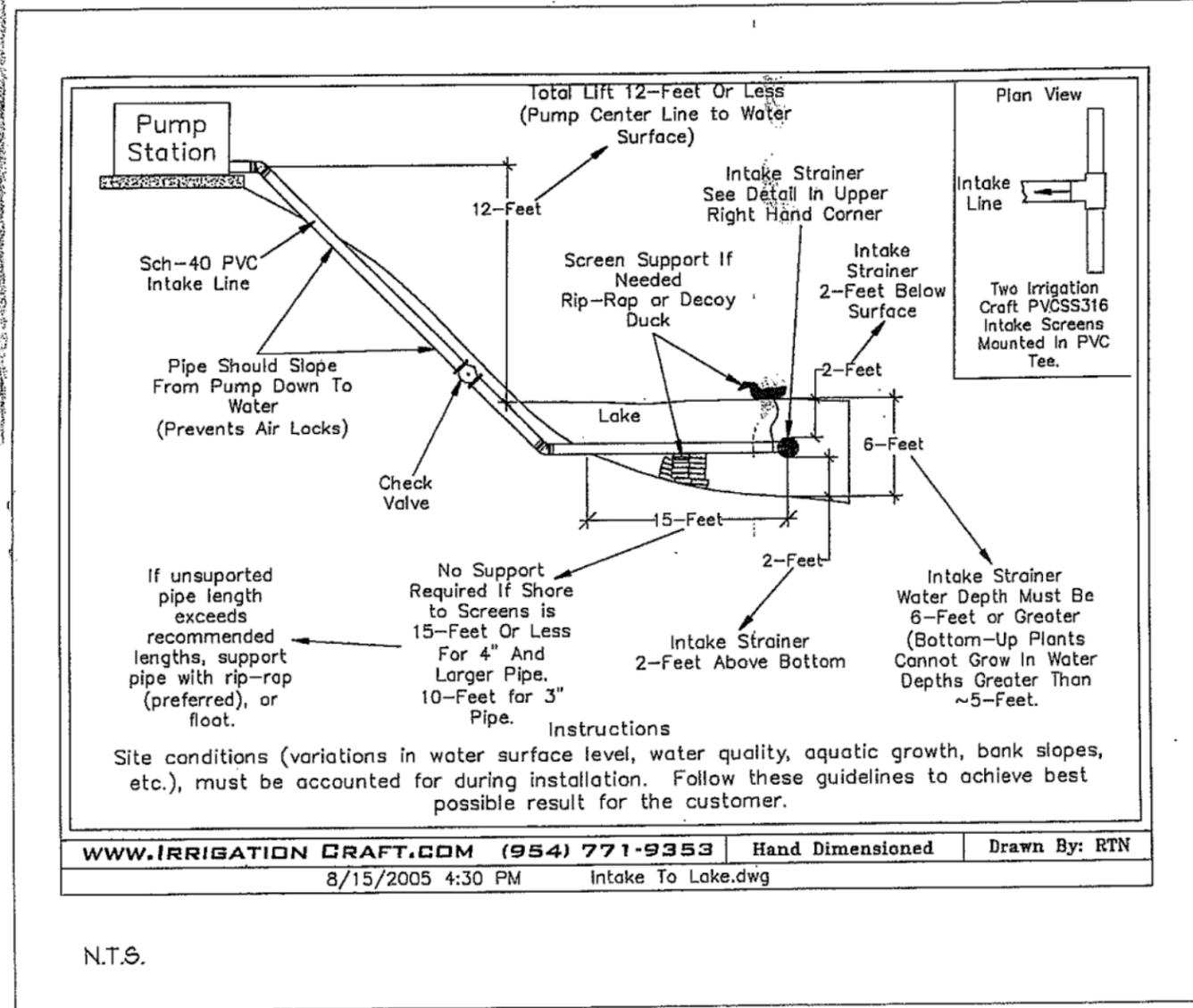
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POMPANO BEACH • ORLANDO

REV	DATE	DESCRIPTION

EAST PUMP STATION @ STA. 207+25										
VALVE #	ZONE #	ZONE GPM	TOTAL GPM	PRECIP. RATE	PROGRAM "A"			PROGRAM "B"		
					Run time	Start time	DAY	Run time	Start time	DAY
M-72	1	127	239	1.83 / hr	15	11:00PM	TUES.	30	6:00PM	FRI.
M-40		112					FRI.			
M-71	2	28	138	1.83 / hr	15	11:15PM	TUES.	30	6:30PM	FRI.
M-41		110					FRI.			
M-73	3	125	248	1.83 / hr	15	11:30PM	TUES.	30	7:00PM	FRI.
M-42		122					FRI.			
M-70	4	118	237	1.83 / hr	15	11:45PM	TUES.	30	7:30PM	FRI.
M-43		119					FRI.			
R-69	5	108	186	0.47 / hr	60	12:00AM	WED.	120	8:00PM	FRI.
R-44		78					SAT.			
M-68	6	102	205	1.83 / hr	15	1:00AM	WED.	30	10:00PM	FRI.
M-45		103					SAT.			
M-67	7	48	167	1.83 / hr	15	1:15AM	WED.	30	10:30PM	FRI.
M-46		111					SAT.			
R-66	8	99	210	0.47 / hr	60	1:30AM	WED.	120	11:00PM	FRI.
R-45		86					SAT.			
M-63	9	86	186	1.83 / hr	15	2:30AM	WED.	30	1:00AM	SAT.
M-47		100					SAT.			
M-60	10	56	158	1.83 / hr	15	2:45AM	WED.	30	1:30AM	SAT.
M-49		102					SAT.			
R-65	11	111	217	0.47 / hr	60	3:00AM	WED.	120	2:00AM	SAT.
R-50		106					SAT.			
R-64	12	84	201	0.47 / hr	60	4:00AM	WED.	120	4:00AM	SAT.
R-51		117					SAT.			
R-62	13	105	211	0.47 / hr	60	5:00AM	WED.	120	6:00AM	SAT.
R-53		106					SAT.			
R-61	14	149	149	0.47 / hr	60	6:00AM	WED.	120	8:00AM	SAT.
R-00		0					SAT.			
M-59	15	153	208	1.83 / hr	15	7:00AM	WED.	30	10:00AM	SAT.
M-52		55					SAT.			
M-58	16	68	209	1.83 / hr	15	7:15AM	WED.	30	10:30AM	SAT.
M-54		141					SAT.			
M-56	17	79	196	1.83 / hr	15	7:30AM	WED.	30	11:00AM	SAT.
M-55		117					SAT.			
M-57	18	92	92	1.83 / hr	15	7:45AM	WED.	30	11:30AM	SAT.
M-00		0					SAT.			
						Off 8:00AM			Off 12:00PM	

WEST PUMP STATION @ STA. 155+50										
VALVE #	ZONE #	ZONE GPM	TOTAL GPM	PRECIP. RATE	PROGRAM "A"			PROGRAM "B"		
					Run time	Start time	DAY	Run time	Start time	DAY
R-23	1	63	184	0.47 / hr	60	12:00AM	WED.	120	6:00PM	FRI.
R-01		121					SAT.			
M-39	2	118	232	1.83 / hr	15	1:00AM	WED.	30	8:00PM	FRI.
M-02		114					SAT.			
M-38	3	123	237	1.83 / hr	15	1:15AM	WED.	30	8:30PM	FRI.
M-03		114					SAT.			
M-37	4	113	170	1.83 / hr	15	1:30AM	WED.	30	9:00PM	FRI.
M-04		57					SAT.			
R-05	5	76	180	0.47 / hr	60	1:45AM	WED.	120	9:30PM	FRI.
R-22		102					SAT.			
M-36	6	123	227	1.83 / hr	15	2:45AM	WED.	30	11:30PM	FRI.
M-06		104					SAT.			
M-35	7	113	178	1.83 / hr	15	3:00AM	WED.	30	12:00AM	SAT.
M-07		65					SAT.			
M-34	8	115	223	1.83 / hr	15	3:15AM	WED.	30	12:30AM	SAT.
M-08		103					SAT.			
R-20A	9	47	140	0.47 / hr	60	3:30AM	WED.	120	1:00AM	SAT.
R-08		93					SAT.			
R-10	10	108	153	0.47 / hr	60	4:30AM	WED.	120	3:00AM	SAT.
R-20B		45					SAT.			
M-33	11	121	158	1.83 / hr	15	5:30AM	WED.	30	5:00AM	SAT.
M-11		35					SAT.			
M-32	12	82	185	1.83 / hr	15	5:45AM	WED.	30	5:30AM	SAT.
M-12		103					SAT.			
M-31	13	128	232	1.83 / hr	15	6:00AM	WED.	30	6:00AM	SAT.
M-13		106					SAT.			
M-30	14	127	228	1.83 / hr	15	6:15AM	WED.	30	6:30AM	SAT.
M-14		101					SAT.			
M-29	15	125	235	1.83 / hr	15	6:30AM	WED.	30	7:00AM	SAT.
M-15		110					SAT.			
M-28	16	61	170	1.83 / hr	15	6:45AM	WED.	30	7:30AM	SAT.
M-16		109					SAT.			
M-27	17	120	227	1.83 / hr	15	7:00AM	WED.	30	8:00AM	SAT.
M-18		107					SAT.			
M-26	18	114	224	1.83 / hr	15	7:15AM	WED.	30	8:30AM	SAT.
M-17		110					SAT.			
M-25	19	42	153	1.83 / hr	15	7:30AM	WED.	30	9:00AM	SAT.
M-19		111					SAT.			
M-24	20	103	211	1.83 / hr	15	7:45AM	WED.	30	9:30AM	SAT.
M-21		108					SAT.			
						Off 8:00AM			Off 10:00AM	



WWW.IRRIGATIONCRAFT.COM (954) 771-9353 Hand Dimensioned Drawn By: RTN
 8/15/2005 4:30 PM Intake To Lake.dwg

N.T.S.

CCL CONSULTANTS, INC.
 ENGINEERS • SURVEYORS • PLANNERS
 LANDSCAPE ARCHITECTS • ENVIRONMENTAL CONSULTANTS

3330 PARK CENTRAL BLVD. X. SUITE 100 • FORTLAUDERDALE, FL 33404 • (954) 874-2328
 POMPANO BEACH • ORLANDO

DATE	11/27/06
CHECKED	
DESIGNED	
DRAWN	

SCALE: 1" = 30'

PROJECT NO.: 2984-10

SHEET: 81 OF 81

GRIFFIN ROAD
 IRRIGATION PLAN
 NOTES AND DETAILS

MATCH LINE

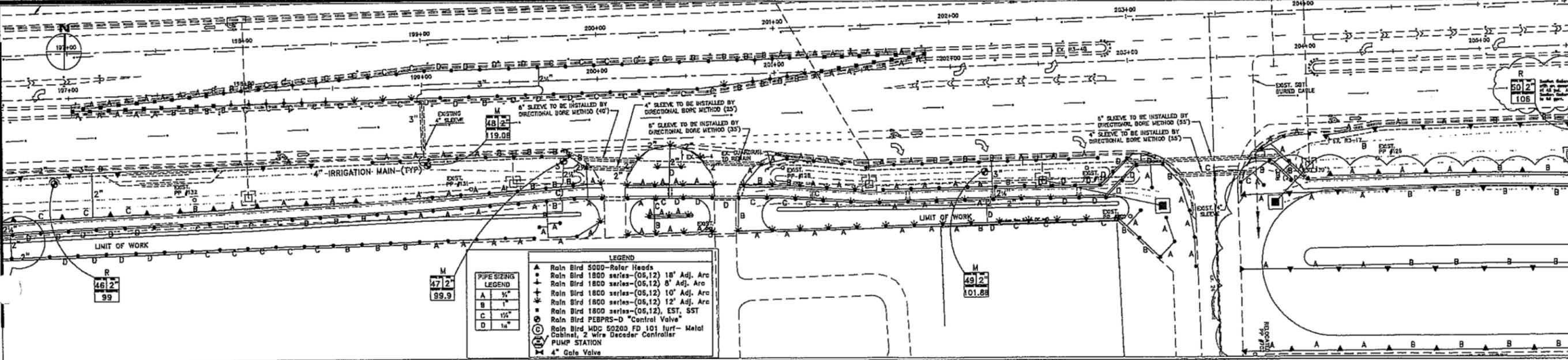
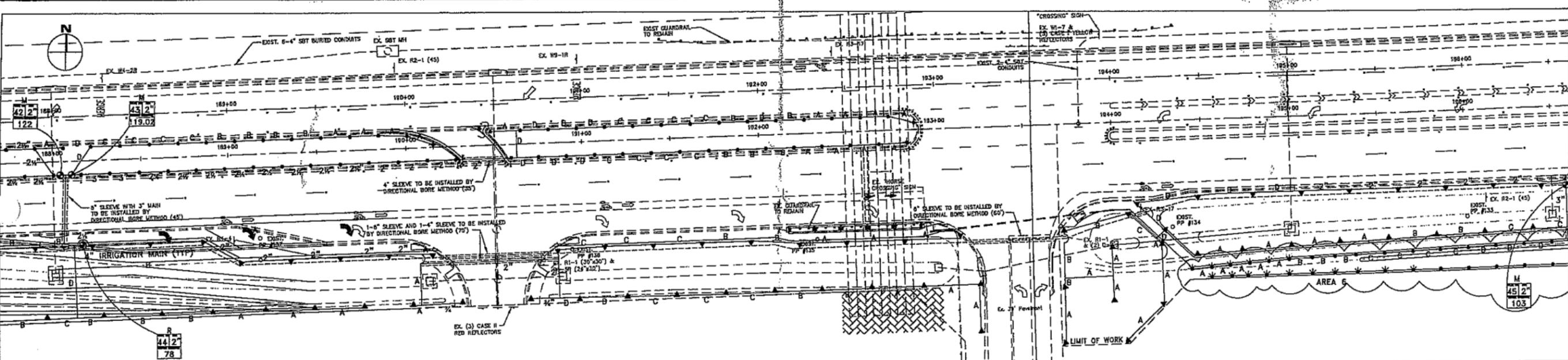
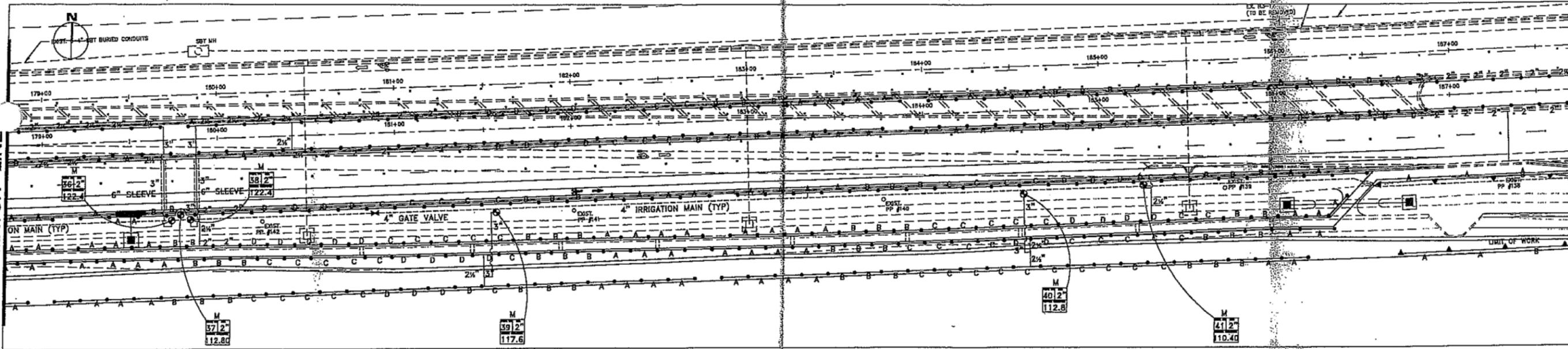
MATCH LINE

MATCH LINE

MATCH LINE

MATCH LINE

MATCH LINE



LEGEND

▲	Rain Bird 5000-Refer Heads
•	Rain Bird 1800 series-(06,12) 18' Adj. Arc
+	Rain Bird 1800 series-(06,12) 8' Adj. Arc
+	Rain Bird 1800 series-(06,12) 10' Adj. Arc
+	Rain Bird 1800 series-(06,12) 12' Adj. Arc
•	Rain Bird 1800 series-(06,12) EST, SST
⊙	Rain Bird PEBPRS-D "Control Valve"
⊙	Rain Bird MDC 50200 FD 101 turf- Malot Cabinet, 2 Wire Decoder Controller
⊙	PUMP STATION
⊙	4" Gate Valve

PIPE SIZING LEGEND	
A	1/2"
B	1"
C	1 1/2"
D	2"

C C I CONSULTANTS, INC.
 ENGINEERS • PLANNERS
 LANDSCAPE ARCHITECTS • ENVIRONMENTAL CONSULTANTS

2250 PARK CENTRAL BLVD., SUITE 100 • POMPANO BEACH, FL 33064 • (954) 974-2000
 10715 W. BUNN RD., SUITE 200 • ORLANDO, FL 32837 • (407) 226-5757

DRAWN	DESIGNED	CHECKED	DATE 11/27/06
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SCALE	1"=30'
PROJECT NO.	2984-10
SHEET	77 OF 81

SW Ranches Equestrian Park Irrigation Zones List

Controller # 1	Total number of operating zones: 35	Start time: 12:00 AM
Days of operation: Sun: Off Mon: Off Tues: Off Wed: On Thurs: Off Fri: Off Sat: On		

Zone #:	1	Zone location: @ pump S of wetland	Run time: 15 min	Rotors: 34	Mist: 0
Comments:	OK				
Zone #:	2	Zone location: Tot lot mist hds	Run time: 15 min	Rotors: 0	Mist: 36
Comments:	Rplace one 6" pop up with nozzle				
Zone #:	3	Zone location: Pavilion & restrooms	Run time: 15 min	Rotors: 0	Mist: 51
Comments:	OK				
Zone #:	4	Zone location: E side cocoplum berm	Run time: 15 min	Rotors: 12	Mist: 0
Comments:	OK				
Zone #:	5	Zone location: Perimeter NW retention area	Run time: 15 min	Rotors: 13	Mist: 0
Comments:	OK				
Zone #:	6	Ctr NW retention area & N side viewing berm	Run time: 15 min	Rotors: 14	Mist: 0
Comments:	OK				
Zone #:	7	Zone location: N. side of show ring & sidewalk	Run time: 15 min	Rotors: 12	Mist: 0
Comments:	OK				
Zone #:	8	Perimeter center retention area & pine bed	Run time: 15 min	Rotors: 14	Mist:
Comments:	OK				
Zone #:	9	S side of ctr horse trail N of show ring	Run time: 15 min	Rotors: 12	Mist:
Comments:	Replace One 6" pop-up with nozzle				
Zone #:	10	Location: Center retention area E of pine bed	Run time: 15 min	Rotors: 12	Mist:
Comments:	OK				
Zone #:	11	E perimeters of N ctr ret area & NE ret area	Run time: 15 min	Rotors: 13	Mist:
Comments:	OK				
Pump #1:	Operating properly? Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>		Problem:		
Pump #2:	Operating properly? Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>		Problem:		
PM Pump:	Operating properly? Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>		Problem:		

SW Ranches Equestrian Park Irrigation Zones List

Zone #:	12	W & N perimeter of NE lake incl partial E fence	Run time: 15 min	Rotors: 12	Mist:
Comments:	OK				
Zone #:	13	Zone location: Marsh area east	Run time: 15 min	Rotors: 16	Mist:
Comments:	OK				
Zone #:	14	Location: NE corner to pump N side wetland	Run time: 15 min	Rotors: 24	Mist:
Comments:	OK				
Zone #:	15	Perimeter center lake & center of E fence	Run time: 15 min	Rotors: 11	Mist:
Comments:	OK				
Zone #:	16	SE fence corner to pump N side of wetland	Run time: 15 min	Rotors: 11	Mist:
Comments:	OK				
Zone #:	17	Zone location: W side of SE lake	Run time: 15 min	Rotors: 32	Mist:
Comments:	OK				
Zone #:	18	Zone location: SE lakes and S. Side of Rings	Run time: 15 min	Rotors: 37	Mist:
Comments:	OK				
Zone #:	19	Zone location: Practice ring perimeter	Run time: 15 min	Rotors: 29	Mist:
Comments:	OK				
Zone #:	20	Zone location: Fence line S of practice ring	Run time: 15 min	Rotors: 12	Mist:
Comments:	OK				
Zone #:	21	Further W along trail edge to wash rack	Run time: 15 min	Rotors: 12	Mist:
Comments:	OK				
Zone #:	22	Zone location: E side of show ring	Run time: 15 min	Rotors: 27	Mist:
Comments:	OK				
Zone #:	23	Location: W side of show ring including saddles	Run time: 15 min	Rotors: 22	Mist:
Comments:	Replace one Rotor				
Zone #:	24	Zone location: Equestrian entrance fence line	Run time: 15 min	Rotors: 0	Mist: 53
Comments:	OK				

SW Ranches Equestrian Park Irrigation Zones List

Zone #:	25	Zone location: N side of equestrian entry	Run time: 15 min	Rotors: 0	Mist: 43
Comments:	OK				
Zone #:	26	Zone location: W parking lot island	Run time: 15 min	Rotors: 0	Mist: 35
Comments:	OK				
Zone #:	27	Zone location: ADA stabilized/trailer parking	Run time: 15 min	Rotors: 12	Mist: 0
Comments:	Repaired one 1" swing joint				
Zone #:	28	Common area between ADA & overflow parking	Run time: 15 min	Rotors: 11	Mist: 0
Comments:	OK				
Zone #:	29	SW corner of stabilized/overflow parking	Run time: 15 min	Rotors: 11	Mist: 0
Comments:	OK				
Zone #:	30	N & W fenceline incl N side of W wetland	Run time: 15 min	Rotors: 34	Mist: 0
Comments:	OK				
Zone #:	31	NE OVERFLOW PARKING	Run time: 15 min	Rotors:	Mist: 0
Comments:	OK				
Zone #:	32	PRACTICE RING TOWERS	Run time: 15 min	Rotors:	Mist: 0
Comments:	OK				
Zone #:	33	SW SHOW RING TOWERS	Run time: 15 min	Rotors: 34	Mist: 0
Comments:	OK				
Zone #:	34	NE SHOW RING TOWERS	Run time: 15 min	Rotors:	Mist: 0
Comments:	OK				
Zone #:	35	CORNERS OF SHOW RING TOWERS	Run time: 15 min	Rotors:	Mist: 0
Comments:	OK				