

G.T.E. □

dwja LANDSCAPE ARCHITECTS
DAVID W. JOHNSTON ASSOCIATES
 1487 SECOND STREET SUITE E • SARASOTA, FL 34236 • (813) 366-3159

PROJECT NO.	957
SCALE	1"=20'-0"
DATE	7/19/96
DRAWN BY	MS
ISSUED	7/19/96

SITE DEVELOPMENT PLANS
DURANTE PARK PHASE III
 TOWN OF LONGBOAT KEY, FLORIDA

SHEET NO.
IR-1

IRRIGATION HEAD KEY

KEY

SPRAY HEADS

X ADJ 150
 X Q 15120
 X H 15H
 X 240 15240
 X TQ 15TQ
 X F 15F
 X EST 15EST
 X CST 15CST
 X 95ST 95ST

NOTE: L SUFFIX INDICATES LOW GALLONAGE NOZZLE

BODY STYLE

S SHRUB HEAD ON RISER
 P POP-UP (6")
 HP HIGH POP-UP (12")

ALL SPRAY HEADS ARE TO BE 6" POP-UP UNLESS OTHERWISE NOTED.

ROTARY HEADS

RAINBIRD T-BIRD SERIES T-30-25, 12" SHRUB ROTOR
 NELSON 6012-ADV # 7 NOZZEL

TREE BUBBLER

TREE BUBBLER ON FLEX PVC, BY HARDIE MODEL #533

IRRIGATION LEGEND

PROPOSED IRRIGATION MAIN LINE - SIZE AS NOTED ON DRAWINGS - RUBBER GASKETED

EXISTING IRRIGATION MAIN LINE - SIZE AS NOTED ON DRAWINGS - RUBBER GASKETED

IRRIGATION SLEEVES
 SLEEVES ARE DEDICATED TO SPECIFIC USES AS FOLLOWS:
 IRRIG - IRRIGATION LINES
 PULSE - IRRIGATION PULSE WIRES
 MAIN - IRRIGATION MAIN LINE

AUTOMATIC SECTION VALVE - NELSON # 7951 ANGLE MOUNT

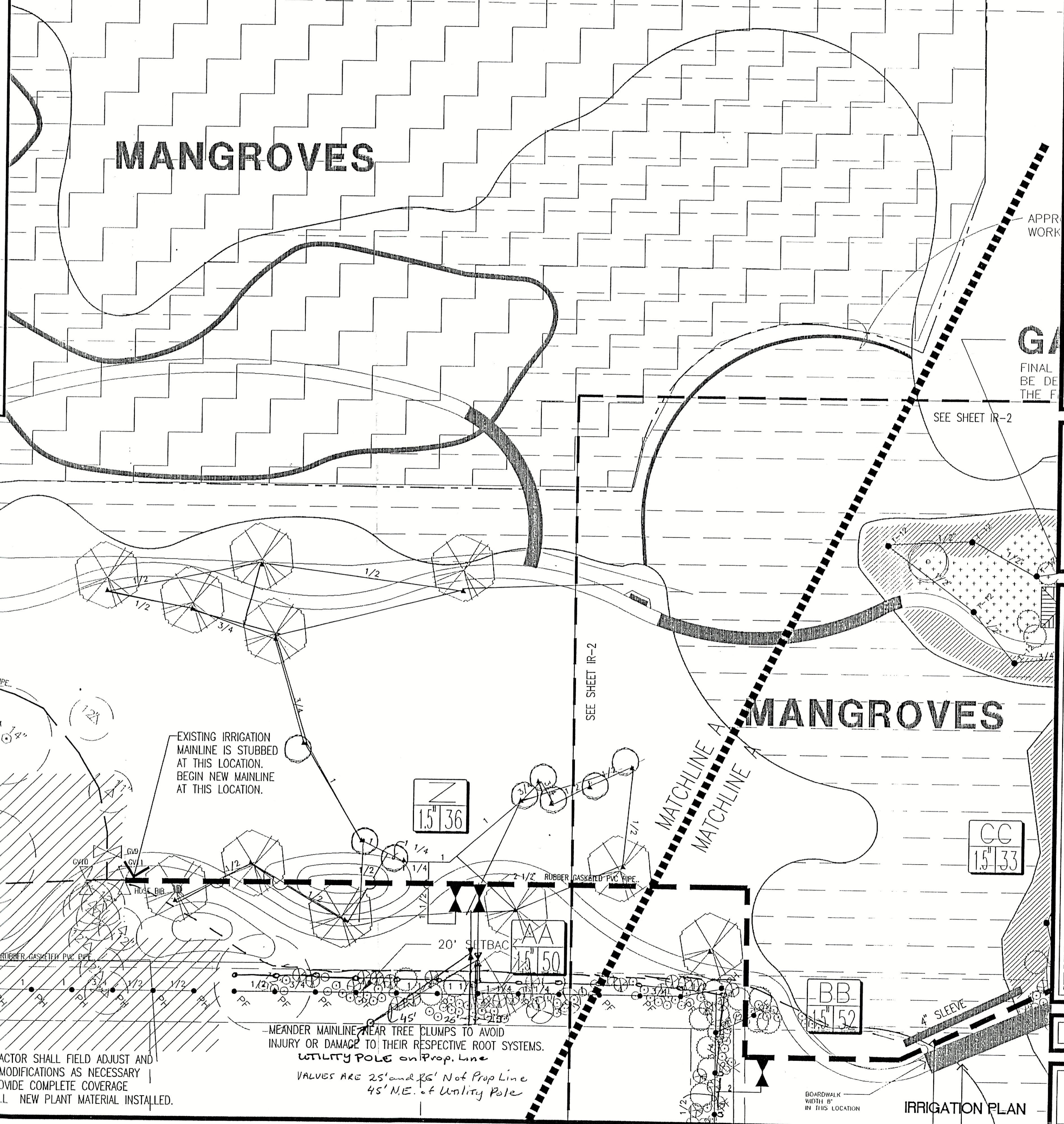
ISOLATION GATE VALVE - AT LINE SIZE

HOSE BIB. 3/4" HOSE BIBB - ON 3/4" TAP. LOCATE WITHIN RECTANGULAR VALVE BOXES.

RAINBIRD RC-1260C, 12 STA. CLOCK WITH LPP-K PRIMARY SURGE PROTECTION KIT, AND RAIN-CHECK AUTOMATIC RAIN SHUT-OFF.

WIRE CLOCKS AS FOLLOWS:
 CLOCK A (EXISTING) STA. A,B,C,H,I,J,P,Q,R
 CLOCK B (EXISTING) STA. D,E,F,G,K,L,M,N,O
 CLOCK C (EXISTING) STA. S,T,U,V,W,X
 CLOCK D: STA. Y,Z,AA,BB,CC,DD.

VALVE NUMBER
 VALVE SIZE SECTION GPM



PUMP STATION AT CISTERN

CLOCK D
 NOTE: INSTALL CLOCK D AT SAME LOCATION AS EXISTING CLOCK B.

EXISTING IRRIGATION MAINLINE IS STUBBED AT THIS LOCATION. BEGIN NEW MAINLINE AT THIS LOCATION.

MEANDER MAINLINE NEAR TREE CLUMPS TO AVOID INJURY OR DAMAGE TO THEIR RESPECTIVE ROOT SYSTEMS.
 UTILITY POLE on Prop. Line
 VALVES ARE 25' and 36' Not Prop Line
 45' N.E. of Utility Pole

NOTE: HATCHED AREA INDICATES MAINLINE AND DISTRIBUTION LATERALS INSTALLED IN A PREVIOUS PHASE. (APPROXIMATE LOCATIONS)

CONTRACTOR SHALL FIELD ADJUST AND MAKE MODIFICATIONS AS NECESSARY TO PROVIDE COMPLETE COVERAGE FOR ALL NEW PLANT MATERIAL INSTALLED.

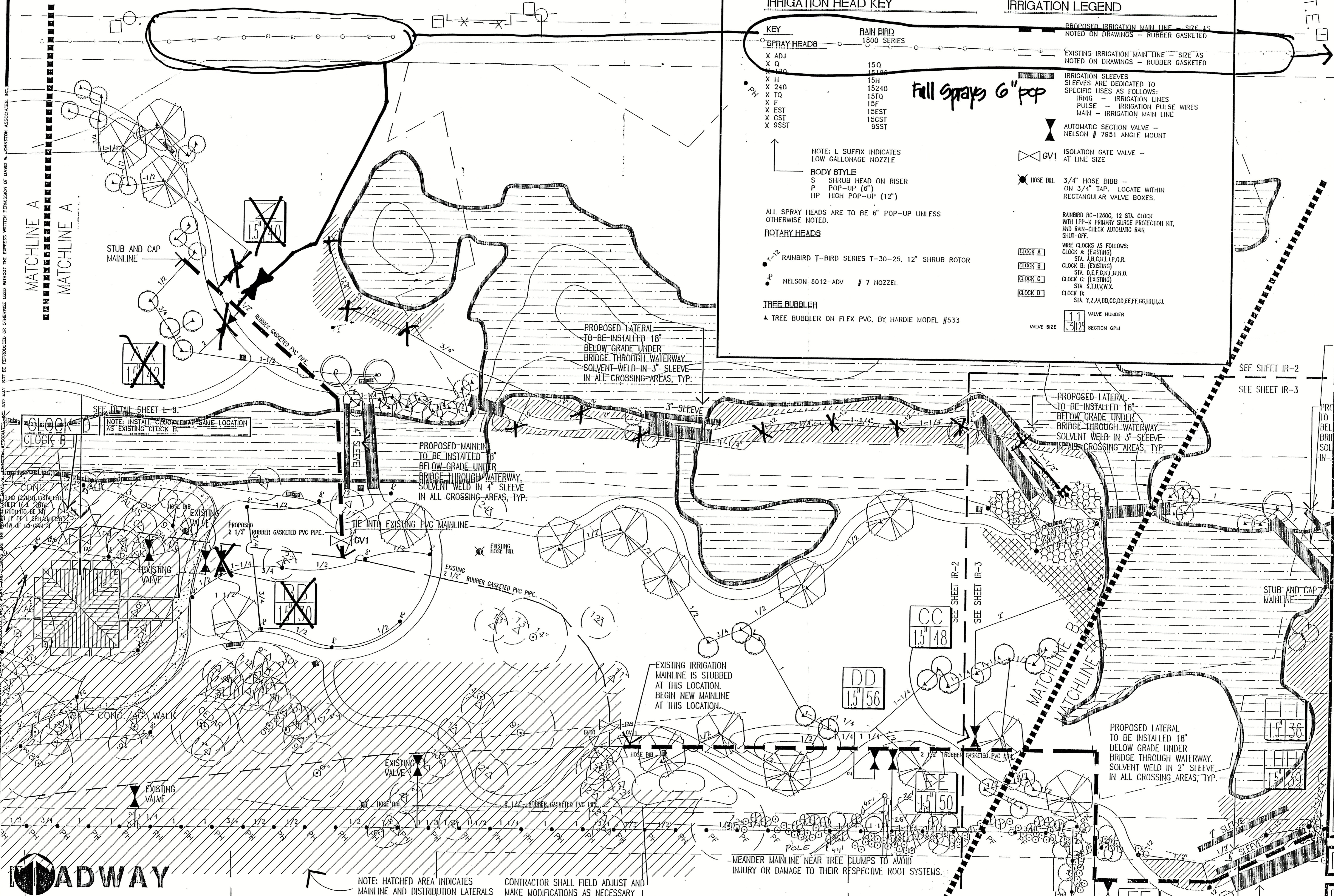
IRRIGATION PLAN

AS BUILT

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MATCHLINE A
MATCHLINE A



IRRIGATION HEAD KEY

KEY	RAIN BIRD
○ SPRAY HEADS	1800 SERIES
X ADJ	15Q
X Q	15100
X 120	15H
X H	15240
X 240	15TQ
X TQ	15F
X F	15EST
X EST	15CST
X CST	95ST
X 95ST	

Full Sprays 6" pop

NOTE: L SUFFIX INDICATES LOW GALLONAGE NOZZLE

BODY STYLE
S SHRUB HEAD ON RISER
P POP-UP (6")
HP HIGH POP-UP (12")

ALL SPRAY HEADS ARE TO BE 6" POP-UP UNLESS OTHERWISE NOTED.

ROTARY HEADS

- RAINBIRD T-BIRD SERIES T-30-25, 12" SHRUB ROTOR
- NELSON 6012-ADV # 7 NOZZEL

TREE BUBBLER

▲ TREE BUBBLER ON FLEX PVC, BY HARDIE MODEL #533

IRRIGATION LEGEND

PROPOSED IRRIGATION MAIN LINE - SIZE AS NOTED ON DRAWINGS - RUBBER GASKETED

EXISTING IRRIGATION MAIN LINE - SIZE AS NOTED ON DRAWINGS - RUBBER GASKETED

IRRIGATION SLEEVES SLEEVES ARE DEDICATED TO SPECIFIC USES AS FOLLOWS:
IRRI - IRRIGATION LINES
PULSE - IRRIGATION PULSE WIRES
MAIN - IRRIGATION MAIN LINE

▲ AUTOMATIC SECTION VALVE - NELSON # 7951 ANGLE MOUNT

◇ CV1 ISOLATION GATE VALVE - AT LINE SIZE

● HOSE BIB. 3/4" HOSE BIBB - ON 3/4" TAP. LOCATE WITHIN RECTANGULAR VALVE BOXES.

RAINBIRD RC-1260C, 12 STA. CLOCK WITH LPP-K PRIMARY SURGE PROTECTION KIT, AND RAIN-CHECK AUTOMATIC RAIN SHUT-OFF.

- CLOCK A: (EXISTING) STA. A,B,C,H,I,J,P,Q,R
- CLOCK B: (EXISTING) STA. D,E,F,G,K,L,M,N,O
- CLOCK C: (EXISTING) STA. S,T,U,V,W,X
- CLOCK D: (EXISTING) STA. Y,Z,A,B,BB,CC,DD,EE,FF,GG,H,I,I,I,I

11 VALVE NUMBER
3/2 SECTION GPU

Extend
+50
DLW/DA LANDSCAPE ARCHITECTS
DAVID W. JOHNSTON ASSOCIATES
147 SECOND STREET SUITE E • SARASOTA, FL 34236 • (813) 966-3159

PROJECT NO.	857
SCALE	1"=30'-0"
DATE	7/2/96
DRAWN BY	MES
REVISION	7/19/96

SITE DEVELOPMENT PLANS
DURANTE PARK PHASE III
TOWN OF LONGBOAT KEY, FLORIDA

REV. 11/17/95
REV. 6/14/97

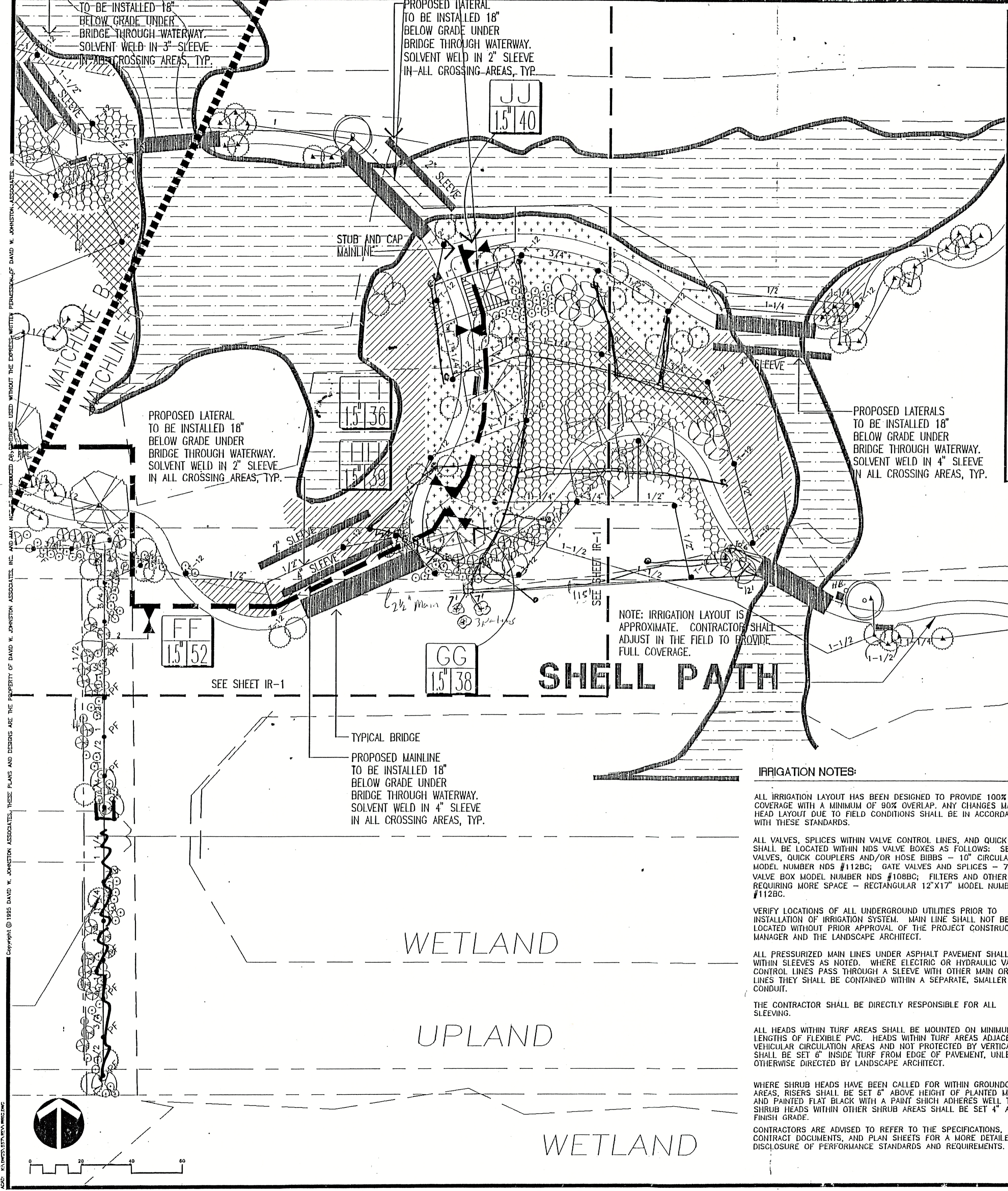
SHEET NO.
IR-2



NOTE: HATCHED AREA INDICATES MAINLINE AND DISTRIBUTION LATERALS INSTALLED IN A PREVIOUS PHASE. (APPROXIMATE LOCATIONS)
CONTRACTOR SHALL FIELD ADJUST AND MAKE MODIFICATIONS AS NECESSARY TO PROVIDE COMPLETE COVERAGE FOR ALL NEW PLANT MATERIAL INSTALLED.

MEANDER MAINLINE NEAR TREE CLUMPS TO AVOID INJURY OR DAMAGE TO THEIR RESPECTIVE ROOT SYSTEMS.

IRRIGATION PLAN



IRRIGATION HEAD KEY

KEY	RAIN BIRD
SPRAY HEADS	1800 SERIES
X ADJ	15Q
X Q	15120
X 120	15H
X H	15240
X 240	15TQ
X TQ	15TQ
X F	15F
X EST	15EST
X CST	15CST
X 95ST	95ST

NOTE: L SUFFIX INDICATES LOW GALLONAGE NOZZLE

BODY STYLE
 S SHRUB HEAD ON RISER
 P POP-UP (6")
 HP HIGH POP-UP (12")

ALL SPRAY HEADS ARE TO BE 6" POP-UP UNLESS OTHERWISE NOTED.

- ROTARY HEADS**
- RAINBIRD T-BIRD SERIES T-30-25, 12" SHRUB ROTOR
 - NELSON 6012-ADV # 7 NOZZEL

TREE BUBBLER
 ▲ TREE BUBBLER ON FLEX PVC, BY HARDIE MODEL #533

PUMP STATION AT CISTERN

IRRIGATION LEGEND

- PROPOSED IRRIGATION MAIN LINE - SIZE AS NOTED ON DRAWINGS - RUBBER GASKETED
- EXISTING IRRIGATION MAIN LINE - SIZE AS NOTED ON DRAWINGS - RUBBER GASKETED
- IRRIGATION SLEEVES ARE INDICATED TO SPECIFIC USES AS FOLLOWS:
 IRRIG - IRRIGATION LINES
 PULSE - IRRIGATION PULSE WIRES
 MAIN - IRRIGATION MAIN LINE
- AUTOMATIC SECTION VALVE - NELSON # 7951 ANGLE MOUNT
- ISOLATION GATE VALVE - AT LINE SIZE
- HOSE BIB: 3/4" HOSE BIBB - ON 3/4" TAP. LOCATE WITHIN RECTANGULAR VALVE BOXES.
- RAINBIRD RC-1260C, 12 STA. CLOCK WITH LPP-K PRIMARY SURGE PROTECTION KIT, AND RAH-CHECK AUTOMATIC RAIN SHUT-OFF.
- WIRE CLOCKS AS FOLLOWS:
 CLOCK A: (EXISTING) STA. A,B,C,H,I,J,P,Q,R.
 CLOCK B: (EXISTING) STA. D,E,F,G,K,L,M,N,O.
 CLOCK C: (EXISTING) STA. S,T,U,V,W,X.
 CLOCK D: STA. Y,Z,AA,BB,CC,DD,EE,FF,GG,HH,IJ,LL.
- VALVE NUMBER: 11
 VALVE SIZE: 3/4" SECTION GPM

SHELL PATH

IRRIGATION NOTES:

- ALL IRRIGATION LAYOUT HAS BEEN DESIGNED TO PROVIDE 100% COVERAGE WITH A MINIMUM OF 90% OVERLAP. ANY CHANGES MADE IN HEAD LAYOUT DUE TO FIELD CONDITIONS SHALL BE IN ACCORDANCE WITH THESE STANDARDS.
- ALL VALVES, SPLICES WITHIN VALVE CONTROL LINES, AND QUICK COUPLERS SHALL BE LOCATED WITHIN NDS VALVE BOXES AS FOLLOWS: SECTION VALVES, QUICK COUPLERS AND/OR HOSE BIBBS - 10" CIRCULAR VALVE BOX MODEL NUMBER NDS #112BC; GATE VALVES AND SPLICES - 7" CIRCULAR VALVE BOX MODEL NUMBER NDS #108BC; FILTERS AND OTHER INSTALLATIONS REQUIRING MORE SPACE - RECTANGULAR 12"x17" MODEL NUMBER NDS #112BC.
- VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF IRRIGATION SYSTEM. MAIN LINE SHALL NOT BE LOCATED WITHOUT PRIOR APPROVAL OF THE PROJECT CONSTRUCTION MANAGER AND THE LANDSCAPE ARCHITECT.
- ALL PRESSURIZED MAIN LINES UNDER ASPHALT PAVEMENT SHALL BE WITHIN SLEEVES AS NOTED. WHERE ELECTRIC OR HYDRAULIC VALVE CONTROL LINES PASS THROUGH A SLEEVE WITH OTHER MAIN OR LATERAL LINES THEY SHALL BE CONTAINED WITHIN A SEPARATE, SMALLER CONDUIT.
- THE CONTRACTOR SHALL BE DIRECTLY RESPONSIBLE FOR ALL SLEEVING.
- ALL HEADS WITHIN TURF AREAS SHALL BE MOUNTED ON MINIMUM 18" LENGTHS OF FLEXIBLE PVC. HEADS WITHIN TURF AREAS ADJACENT TO VEHICULAR CIRCULATION AREAS AND NOT PROTECTED BY VERTICAL CURBS SHALL BE SET 6" INSIDE TURF FROM EDGE OF PAVEMENT, UNLESS OTHERWISE DIRECTED BY LANDSCAPE ARCHITECT.
- WHERE SHRUB HEADS HAVE BEEN CALLED FOR WITHIN GROUND COVER AREAS, RISERS SHALL BE SET 6" ABOVE HEIGHT OF PLANTED MATERIALS AND PAINTED FLAT BLACK WITH A PAINT WHICH ADHERES WELL TO PVC. SHRUB HEADS WITHIN OTHER SHRUB AREAS SHALL BE SET 4" ABOVE FINISH GRADE.
- CONTRACTORS ARE ADVISED TO REFER TO THE SPECIFICATIONS, CONTRACT DOCUMENTS, AND PLAN SHEETS FOR A MORE DETAILED DISCLOSURE OF PERFORMANCE STANDARDS AND REQUIREMENTS.

- LOCATE ALL VALVES IN PLANTING BEDS WITH A MINIMUM OF 3'-0" FROM BACK OF CURB OR EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. PIPE SIZES ON EITHER SIDE OF SECTION VALVES CONNECTING MAIN LINE TO SECTION LATERAL SHALL BE ONE (1) PIPE SIZE LARGER THAN VALVE SIZE.
- ALL UNSIZED PIPE SHALL BE 1/2" UNLESS OTHERWISE NOTED.
- EACH TREE AND PALM (AS SHOWN ON THE PLANS) SHALL HAVE ONE (1) ADJUSTABLE FLOOD BUBBLER (SEE IRRIGATION HEAD KEY FOR SPECIFICATION). SUCH HEADS SHALL BE ON MINIMUM 5'-0" LENGTH OF FLEXIBLE PIPE TO ALLOW ITS POSITIONING AT THE TREE. LOCATE BUBBLER ON THE UPHILL SIDE OF TREES ON ALL SLOPES.
- NUMBER THE TOP OF ALL VALVE BOX LIDS WITH MINIMUM 1" HEIGHT BLACK LETTERS TO CORRESPOND TO AUTOMATIC AND GATE VALVE DESIGNATIONS. ALL HOSE BIBB VALVE BOXES SHALL BE LABELED IN A SIMILAR MANNER WITH THE DESIGNATION "HB". LETTER OUTSIDE OF TIMECLOCK CABINETS TO CORRESPOND WITH IRRIGATION CLOCK PROGRAM DESIGNATION.
- ALL 24 VAC WIRING SHALL BE UF DIRECT BURIAL COPPER WIRE AS FOLLOWS:
 PULSE WIRES - #14
 COMMON WIRES - #12
- EACH SECTION VALVE SHALL HAVE A SEPARATE PULSE WIRE RUNNING FROM CONTROLLER TO VALVE. CONTROL WIRING FOR VALVES SHALL BE LAID IN TRENCHES BENEATH MAINLINE.
- DURING INSTALLATION AND UPON COMPLETION OF THE IRRIGATION SYSTEM VALVES SHALL BE WIRED TO CONTROLLER STATION AS PER THE IRRIGATION PROGRAM.
- EACH SECTION VALVE SHALL HAVE A SEPARATE PULSE WIRE RUNNING FROM TIMECLOCK TO VALVE. CONTROL WIRING FOR VALVES SHALL BE LAID IN TRENCHES BENEATH MAINLINE. ONE (1) FOOT BELOW SITE FINISH GRADE, AND ABOVE ALL MAINS, THE IRRIGATION CONTRACTOR SHALL INSTALL A COLOR CODED METAL DETECTABLE MARKING TAPE WHICH CLEARLY NOTES: "CAUTION: IRRIGATION LINE BURIED BELOW." TAPE AS MANUFACTURED BY LINEGUARD, INC., WHEATON, IL 60187, OR EQUAL.
- RUN TWO SPARE PULSE WIRES FROM CLOCK LOCATION TO VALVE "DD". CAP AND COIL IN VALVE BOX.

IRRIGATION SCHEDULE:

ZONE	GPM	TYPE	RUN TIME
Y	30	ROTOR	40
Z	40	BUBBLER	20
AA	42	BUBBLER	20
BB	30	ROTOR	40
CC	48	ROTOR	40
DD	56	BUBBLER	20
EE	50	SPRAY	20
FF	52	SPRAY	20
GG	38	BUBBLER	20
HH	39	ROTOR	40
II	36	ROTOR	40
JJ	40	BUBBLER	20

NOTE: RUN TIMES MAY VARY. VERIFY TIMES WITH LANDSCAPE ARCHITECT.

dmja LANDSCAPE ARCHITECTS
DAVID W. JOHNSTON ASSOCIATES
 1487 SECOND STREET SUITE E • SARASOTA, FL 34236 • (813) 369-3199

PROJECT NO.	857
SCALE	1"=20'-0"
DATE	7/20/96
DRAWN BY	LES
CHECKED	WRS

SITE DEVELOPMENT PLANS
DURANTE PARK PHASE III
 TOWN OF LONGBOAT KEY, FLORIDA

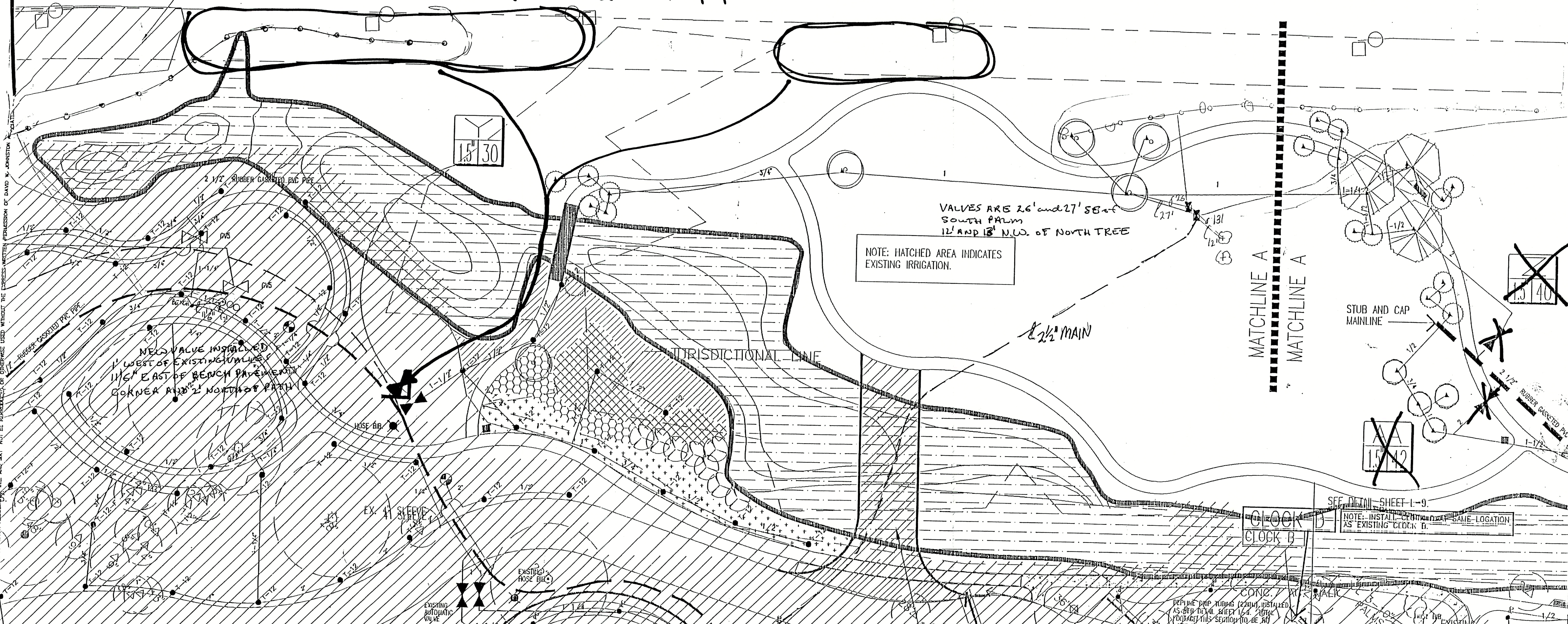
REV. 1/7/96
REV. 6/11/97

SHEET NO.

IR-3

20' LANDSCAPE BUFFER

SPRAY FUNGUS ON BERMS 6" POP



IRRIGATION HEAD KEY

KEY	RAIN BIRD 1800 SERIES
X ADJ	15Q
X Q	15120
X H	15H
X 240	15240
X TQ	15TQ
X F	15F
X EST	15EST
X CST	15CST
X 9SST	9SST

NOTE: L SUFFIX INDICATES LOW GALLONAGE NOZZLE

BODY STYLE
S SHRUB HEAD ON RISER
P POP-UP (8")
HP HIGH POP-UP (12")

ALL SPRAY HEADS ARE TO BE 6" POP-UP UNLESS OTHERWISE NOTED.

ROTARY HEADS

- RAINBIRD T-BIRD SERIES T-30-25, 12" SHRUB ROTOR
- NELSON 6012-ADV # 7 NOZZEL

TREE BUBBLER

- TREE BUBBLER ON FLEX PVC, BY HARDIE MODEL #533

IRRIGATION LEGEND

- PROPOSED IRRIGATION MAIN LINE - SIZE AS NOTED ON DRAWINGS - RUBBER GASKETED
- EXISTING IRRIGATION MAIN LINE - SIZE AS NOTED ON DRAWINGS - RUBBER GASKETED
- IRRIGATION SLEEVES SLEEVES ARE DEDICATED TO SPECIFIC USES AS FOLLOWS:
IRRIG - IRRIGATION LINES
PULSE - IRRIGATION PULSE WIRES
MAIN - IRRIGATION MAIN LINE
- AUTOMATIC SECTION VALVE - NELSON # 7951 ANGLE MOUNT
- ISOLATION GATE VALVE - AT LINE SIZE
- HOSE BIB: 3/4" HOSE BIBB - ON 3/4" TAP. LOCATE WITHIN RECTANGULAR VALVE BOXES.
- RAINBIRD RC-1260C, 12 STA. CLOCK WITH IPP-K PRIMARY SURGE PROTECTION KIT, AND RAH-CHECK AUTOMATIC RAIN SHUT-OFF
- WIRE CLOCKS AS FOLLOWS:
CLOCK A: (EXISTING) STA. A,B,C,H,I,J,P,Q,R
CLOCK B: (EXISTING) STA. D,E,F,G,K,L,M,N,O
CLOCK C: (EXISTING) STA. S,T,U,V,W,X
CLOCK D: (EXISTING) STA. Y,Z,A,AA,BB,CC,DD,EE,FF,GG,HH,II,JJ
- VALVE NUMBER
- SECTION GPM

SEE POND ENHANCEMENT PLAN

POINT OF CONNECTION WITH EXISTING MAIN

ACCESS ROADWAY

IRRIGATION PLAN AS BUILT

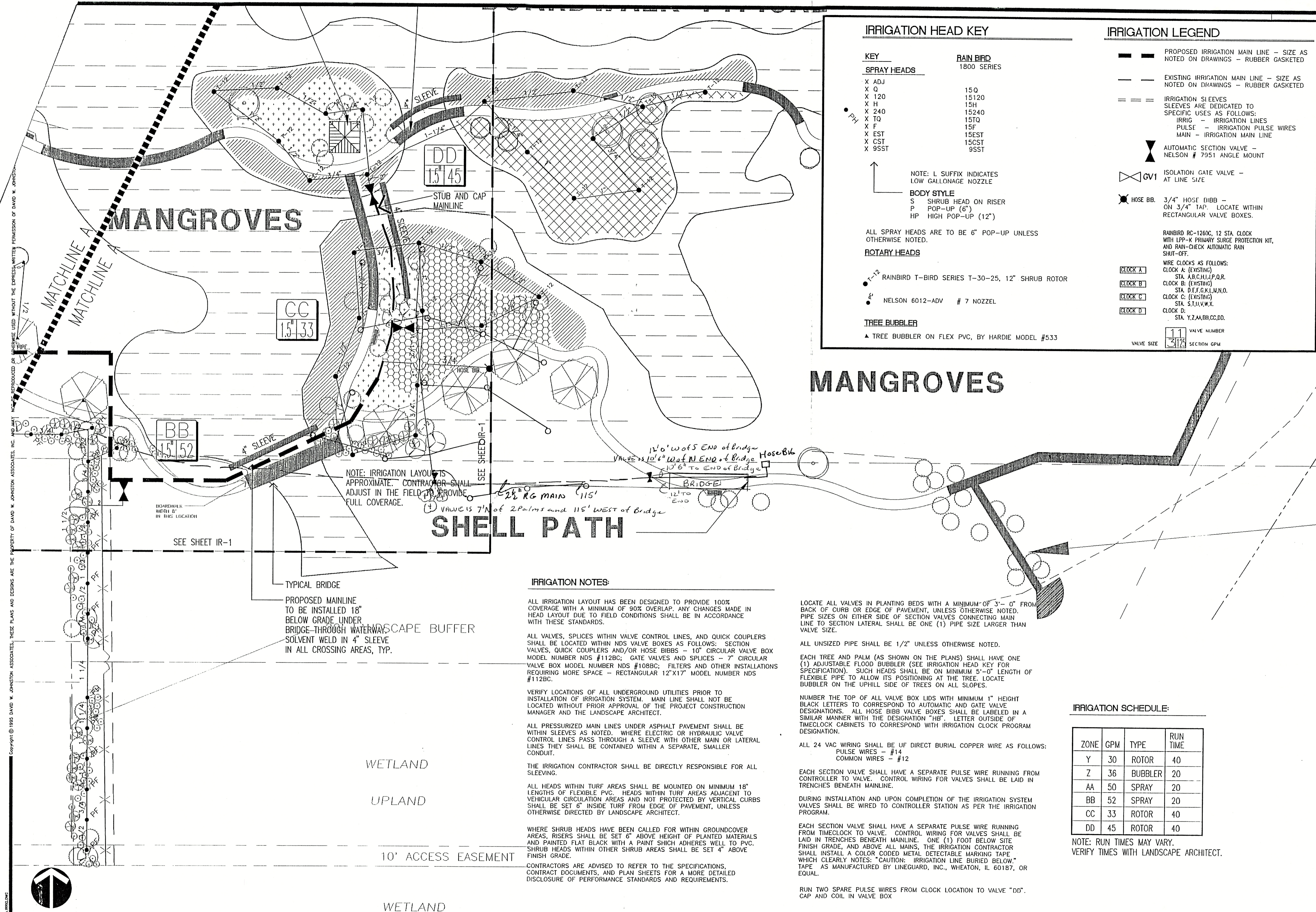
dwja LANDSCAPE ARCHITECTS
DAVID W. JOHNSTON ASSOCIATES
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PROJECT NO.	8557
SCALE	1"=20'-0"
DATE	7/2/96
DRAWN BY	MEB
ISSUED	7/8/96

SITE DEVELOPMENT PLANS
DURANTE PARK PHASE III
 TOWN OF LONGBOAT KEY, FLORIDA

REV. 11/7/95
REV. 6/14/97

SHEET NO.
IR-1



IRRIGATION HEAD KEY

KEY	RAIN BIRD
SPRAY HEADS	
X ADJ	15Q
X Q	15120
X 120	15H
X H	15240
X 240	15TQ
X TO	15F
X F	15EST
X EST	15CST
X CST	9SST
X 9SST	

NOTE: L SUFFIX INDICATES LOW GALLONAGE NOZZLE

BODY STYLE
 S SHRUB HEAD ON RISER
 P POP-UP (6")
 HP HIGH POP-UP (12")

ALL SPRAY HEADS ARE TO BE 6" POP-UP UNLESS OTHERWISE NOTED.

ROTARY HEADS

- T-12 RAINBIRD T-BIRD SERIES T-30-25, 12" SHRUB ROTOR
- NELSON 6012-ADV # 7 NOZZEL

TREE BUBBLER

▲ TREE BUBBLER ON FLEX PVC, BY HARDIE MODEL #533

IRRIGATION LEGEND

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- AUTOMATIC SECTION VALVE - NELSON # 7951 ANGLE MOUNT
- ISOLATION GATE VALVE - AT LINE SIZE
- HOSE BIB. 3/4" HOSE BIBB - ON 3/4" TAP. LOCATE WITHIN RECTANGULAR VALVE BOXES.
- RANBIRD RC-1260C, 12 STA. CLOCK WITH LPP-K PRIMARY SURGE PROTECTION KIT, AND RAIN-CHECK AUTOMATIC RAIN SHUT-OFF.
- WIRE CLOCKS AS FOLLOWS:
 CLOCK A: (EXISTING) STA. A,B,C,H,I,J,P,Q,R
 CLOCK B: (EXISTING) STA. D,E,F,G,K,L,M,N,O
 CLOCK C: (EXISTING) STA. S,T,U,V,W,X
 CLOCK D: (EXISTING) STA. Y,Z,AA,AB,CC,DD.
- VALVE NUMBER: 11
 VALVE SIZE: 3/4" SECTION GPM

NOTE: IRRIGATION LAYOUT IS APPROXIMATE. CONTRACTOR SHALL ADJUST IN THE FIELD TO PROVIDE FULL COVERAGE.

IRRIGATION NOTES:

- ALL IRRIGATION LAYOUT HAS BEEN DESIGNED TO PROVIDE 100% COVERAGE WITH A MINIMUM OF 90% OVERLAP. ANY CHANGES MADE IN HEAD LAYOUT DUE TO FIELD CONDITIONS SHALL BE IN ACCORDANCE WITH THESE STANDARDS.
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- ALL PRESSURIZED MAIN LINES UNDER ASPHALT PAVEMENT SHALL BE WITHIN SLEEVES AS NOTED. WHERE ELECTRIC OR HYDRAULIC VALVE CONTROL LINES PASS THROUGH A SLEEVE WITH OTHER MAIN OR LATERAL LINES THEY SHALL BE CONTAINED WITHIN A SEPARATE, SMALLER CONDUIT.
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- EACH TREE AND PALM (AS SHOWN ON THE PLANS) SHALL HAVE ONE (1) ADJUSTABLE FLOOD BUBBLER (SEE IRRIGATION HEAD KEY FOR SPECIFICATION). SUCH HEADS SHALL BE ON MINIMUM 5'-0" LENGTH OF FLEXIBLE PIPE TO ALLOW ITS POSITIONING AT THE TREE. LOCATE BUBBLER ON THE UPHILL SIDE OF TREES ON ALL SLOPES.
- NUMBER THE TOP OF ALL VALVE BOX LIDS WITH MINIMUM 1" HEIGHT BLACK LETTERS TO CORRESPOND TO AUTOMATIC AND GATE VALVE DESIGNATIONS. ALL HOSE BIBB VALVE BOXES SHALL BE LABELED IN A SIMILAR MANNER WITH THE DESIGNATION "HB". LETTER OUTSIDE OF TIMECLOCK CABINETS TO CORRESPOND WITH IRRIGATION CLOCK PROGRAM DESIGNATION.
- ALL 24 VAC WIRING SHALL BE UF DIRECT BURIAL COPPER WIRE AS FOLLOWS:
 PULSE WIRES - #14
 COMMON WIRES - #12
- EACH SECTION VALVE SHALL HAVE A SEPARATE PULSE WIRE RUNNING FROM CONTROLLER TO VALVE. CONTROL WIRING FOR VALVES SHALL BE LAID IN TRENCHES BENEATH MAINLINE.
- DURING INSTALLATION AND UPON COMPLETION OF THE IRRIGATION SYSTEM VALVES SHALL BE WIRED TO CONTROLLER STATION AS PER THE IRRIGATION PROGRAM.
- EACH SECTION VALVE SHALL HAVE A SEPARATE PULSE WIRE RUNNING FROM TIMECLOCK TO VALVE. CONTROL WIRING FOR VALVES SHALL BE LAID IN TRENCHES BENEATH MAINLINE. ONE (1) FOOT BELOW SITE FINISH GRADE, AND ABOVE ALL MAINS, THE IRRIGATION CONTRACTOR SHALL INSTALL A COLOR CODED METAL DETECTABLE MARKING TAPE WHICH CLEARLY NOTES: "CAUTION: IRRIGATION LINE BURIED BELOW." TAPE AS MANUFACTURED BY LINEGUARD, INC., WHEATON, IL 60187, OR EQUAL.

RUN TWO SPARE PULSE WIRES FROM CLOCK LOCATION TO VALVE "DD". CAP AND COIL IN VALVE BOX

IRRIGATION SCHEDULE:

ZONE	GPM	TYPE	RUN TIME
Y	30	ROTOR	40
Z	36	BUBBLER	20
AA	50	SPRAY	20
BB	52	SPRAY	20
CC	33	ROTOR	40
DD	45	ROTOR	40

NOTE: RUN TIMES MAY VARY. VERIFY TIMES WITH LANDSCAPE ARCHITECT.

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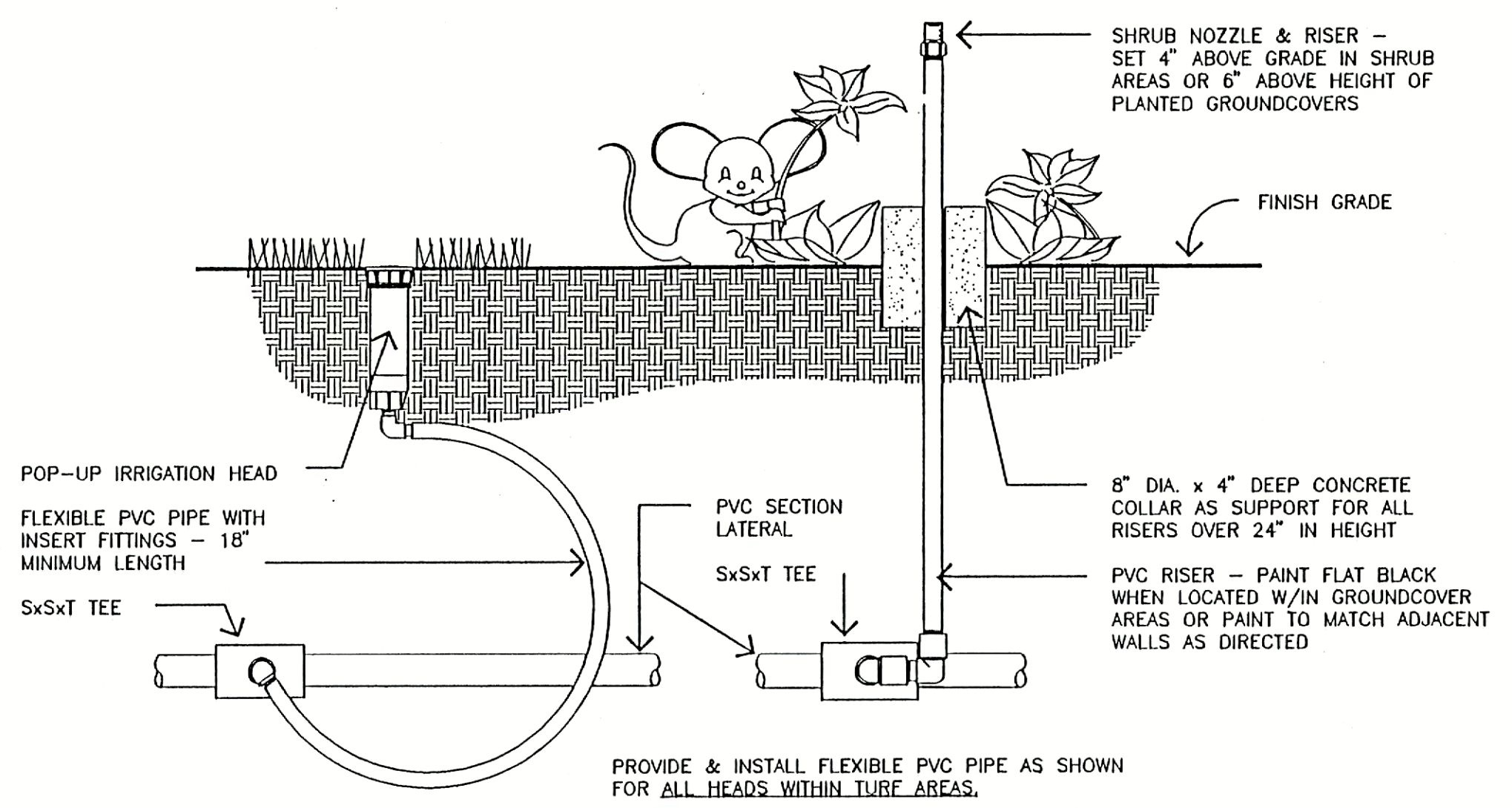
dwja LANDSCAPE ARCHITECTS
DAVID W. JOHNSTON ASSOCIATES
 1487 SECOND STREET SUITE E • SARASOTA, FL 34236 • (813) 966-3159

PROJECT NO.	957
SCALE	1"=20'-0"
DATE	7/2/96
DRAWN BY	MES
ISSUED	7/18/96

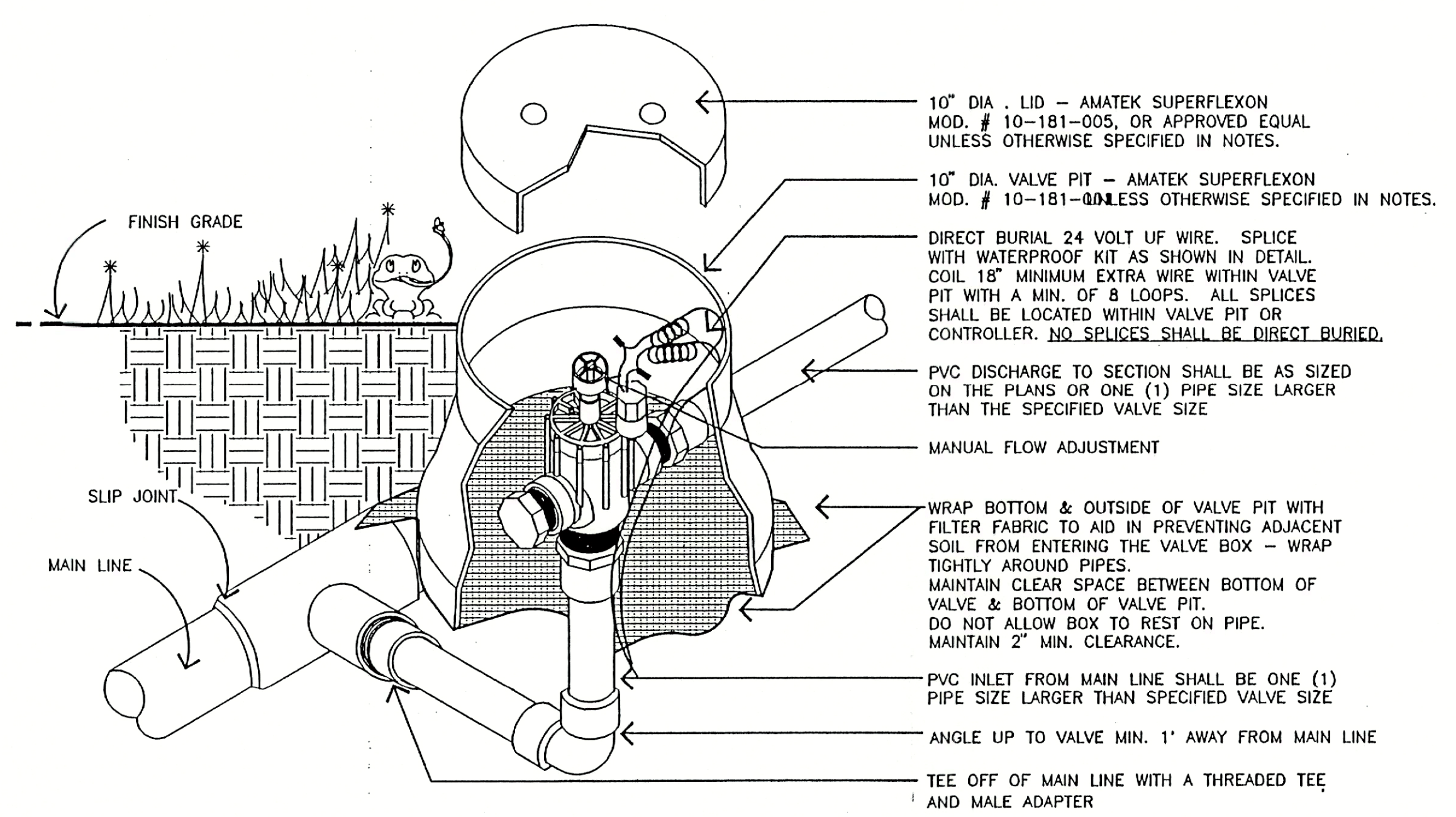
SITE DEVELOPMENT PLANS
DURANTE PARK PHASE III
 TOWN OF LONGBOAT KEY, FLORIDA

SHEET NO.
IR-2

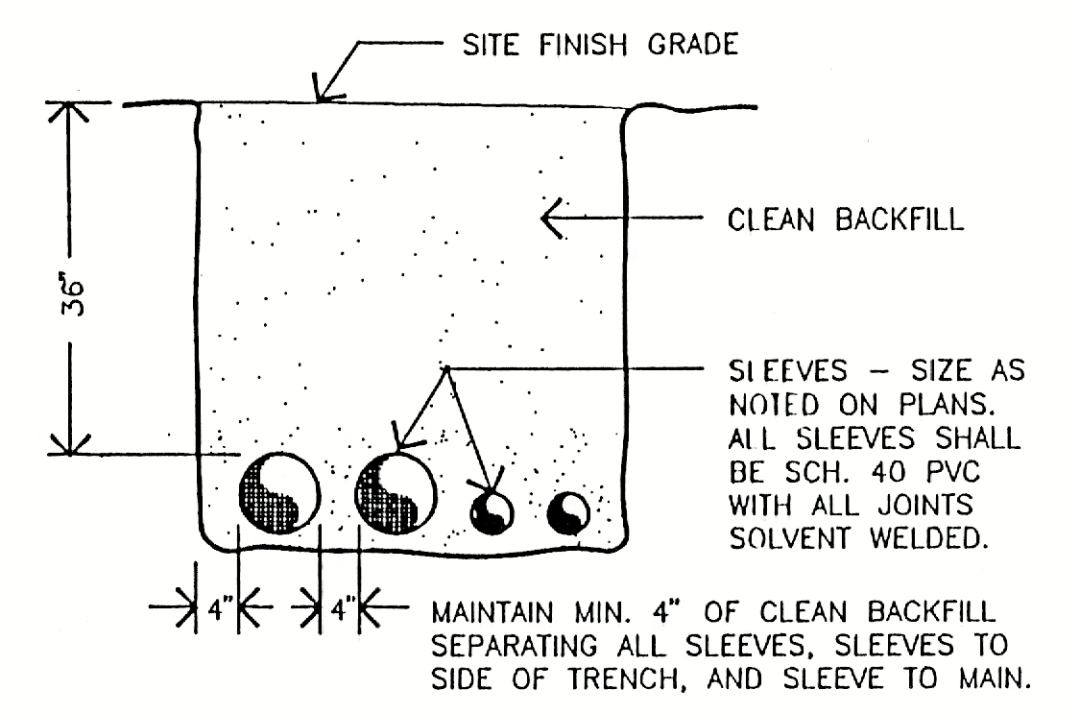
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TYP. POP-UP / RISER INSTALLATION
NOT TO SCALE



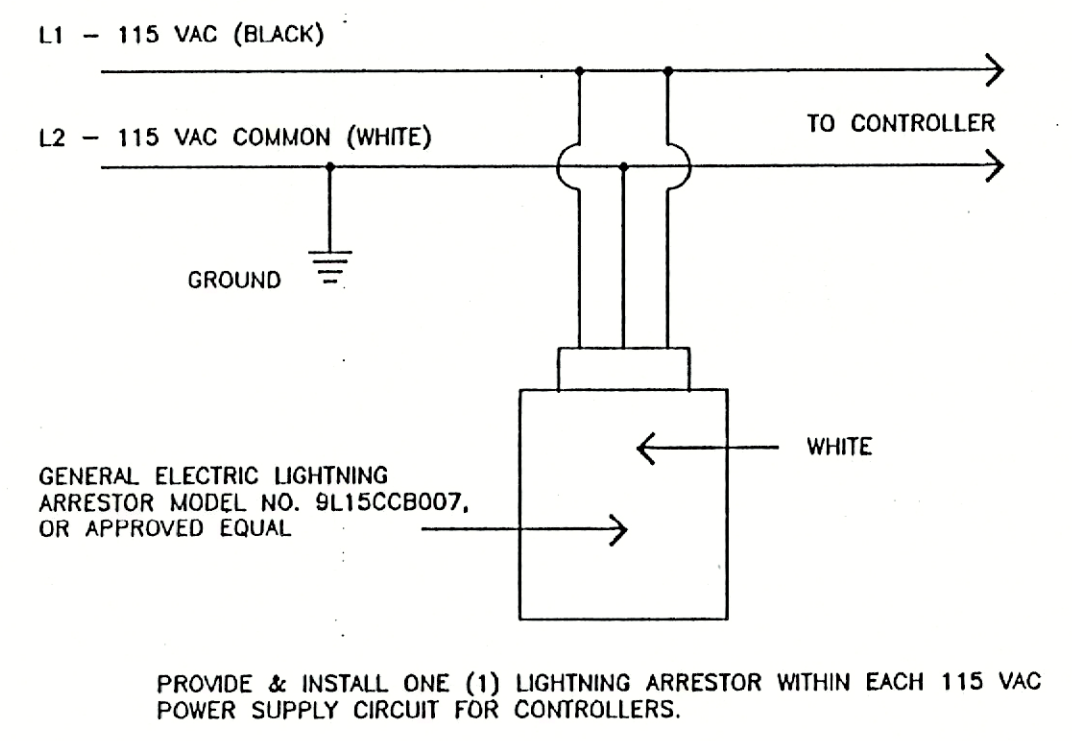
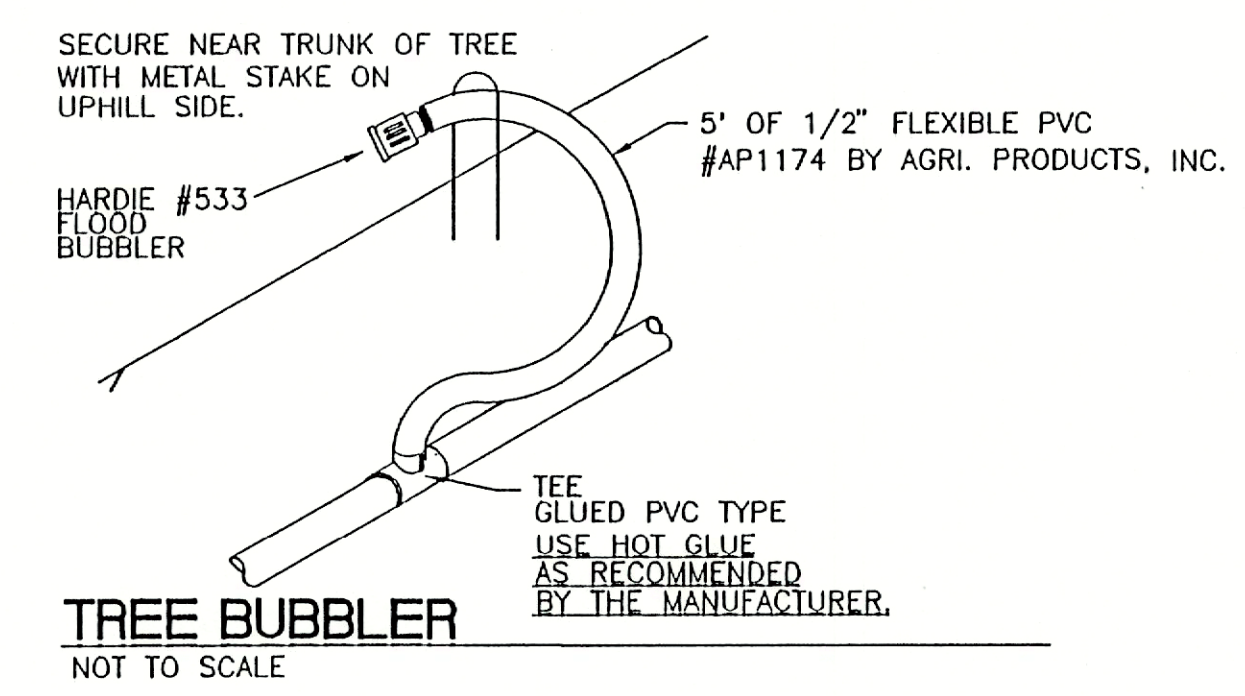
TYPICAL ANGLE AUTOMATIC VALVE
NOT TO SCALE



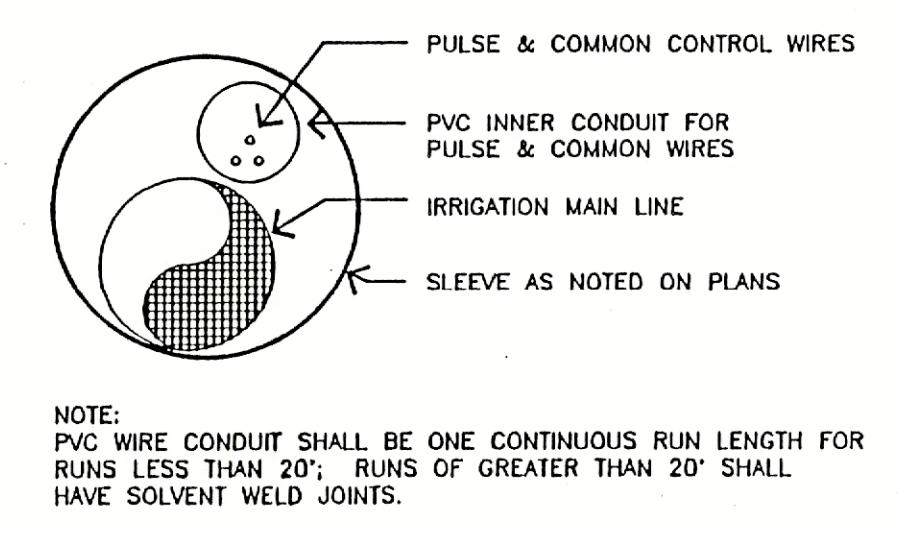
SLEEVE / TRENCH DETAIL
NOT TO SCALE

SET TOP OF SLEEVES 36" BELOW SITE FINISH GRADE AT SLEEVE LOCATION. BACKFILL TRENCH WITH CLEAN FILL MATERIAL FREE OF ORGANIC MATERIAL AND ROCK.

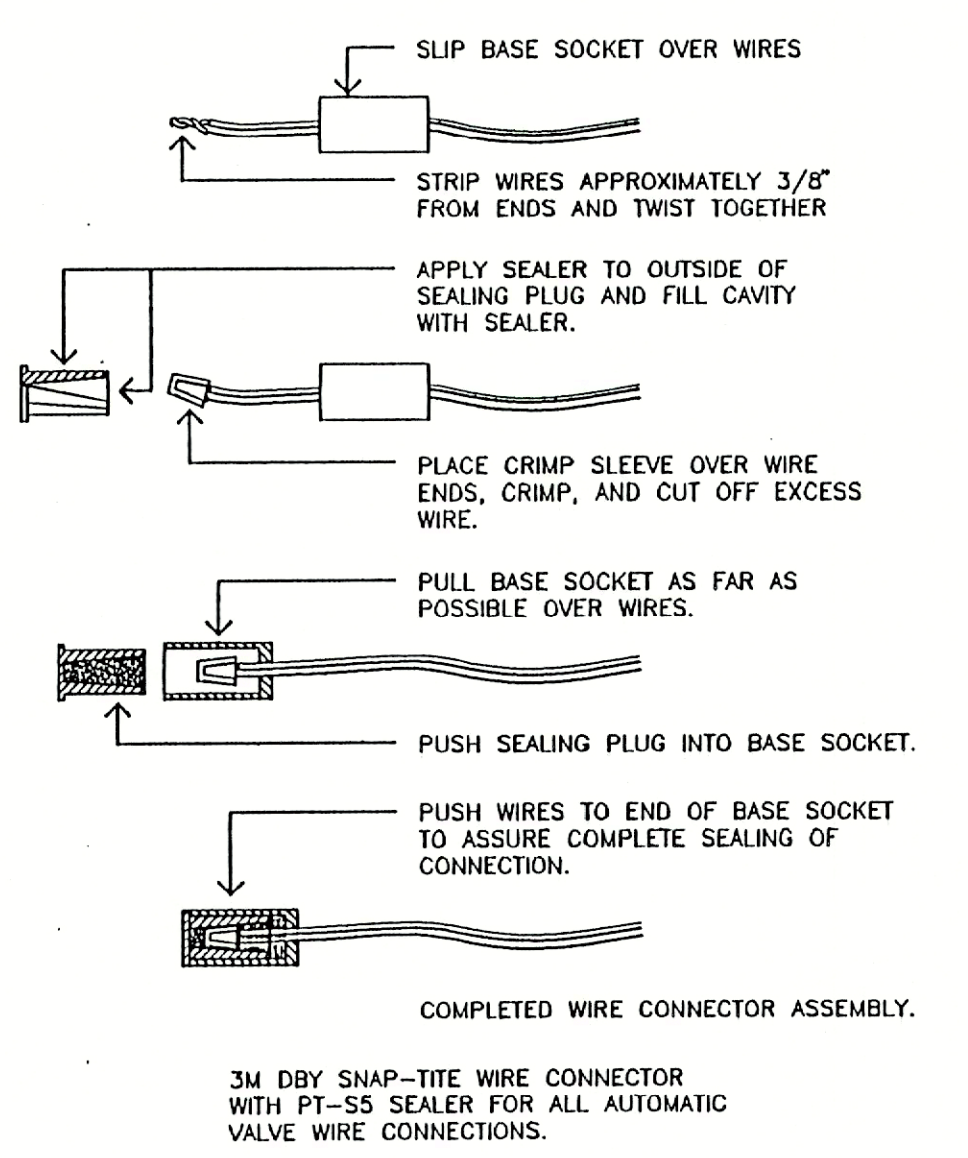
EXTEND SLEEVES 36" BEYOND THE OUTSIDE EDGE OF PAVEMENT OR BACK OF CURB. STAKE EACH END OF SLEEVES WITH SURVEYORS LATH MARKED "IRRIG SLEEVES".



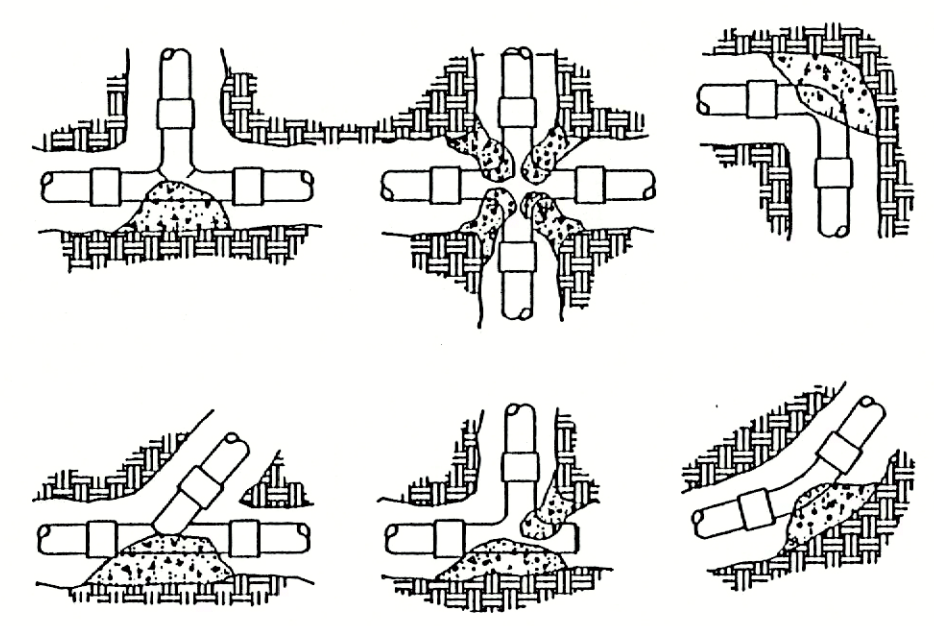
LIGHTNING ARRESTOR DETAIL
NOT TO SCALE



SLEEVE DETAIL
NOT TO SCALE



TYPICAL WIRE CONNECTION
NOT TO SCALE



THRUST BLOCKING
NOT TO SCALE

IRRIGATION CONTROLLER AS SPECIFIED ON PLANS

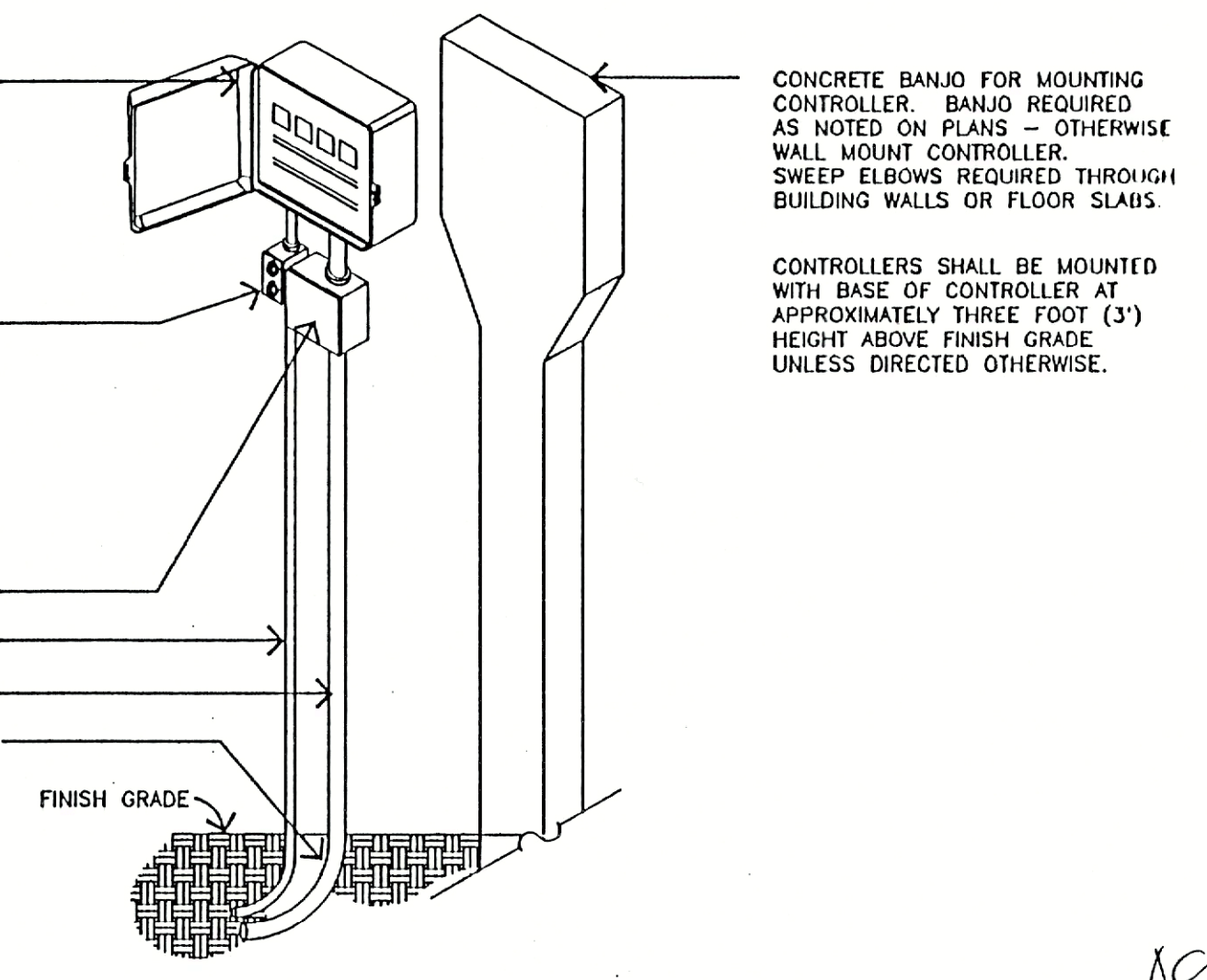
WEATHERPROOF 115 VAC DUPLEX OUTLET TO PROVIDE POWER TO CONTROLLER. OUTLETS SHALL BE GROUND FAULT INTERRUPT PROTECTED. WIRING & INSTALLATION BETWEEN CIRCUIT BREAKER PANEL OR JUNCTION BOX LOCATION SHALL BE AS NOTED ON PLANS. ALL WORK SHALL BE PER APPLICABLE CODES. SEE PLANS FOR LOCATION OF ELECTRICAL POWER SOURCE FOR CONTROLLER & OUTLETS.

WEATHERPROOF ELECTRICAL MAKE-UP BOX FOR PULSE WIRE SPLICES. MAKE-UP BOX REQUIRED ONLY IF NECESSARY TO CONNECT SEVERAL VALVE PULSE WIRES TO A SINGLE CONTROLLER STATION WHERE THERE IS INSUFFICIENT SPACE WITHIN THE CONTROLLER CABINET. ALL CONNECTIONS WITHIN THE MAKE-UP BOX SHALL BE MADE UTILIZING TERMINAL STRIPS. ALL WIRES SHALL BE LABELED TO MATCH VALVE SECTION NUMBERS FOR EASY REFERENCE.

CONDUIT FOR 115 VAC POWER SUPPLY.

CONDUIT FOR VALVE PULSE WIRES.

SWEEP ELBOW FOR PULSE WIRES.



TYP. WALL MOUNT CONTROLLER INSTALLATION
NOT TO SCALE

AS PERMIT
IRRIGATION DETAILS

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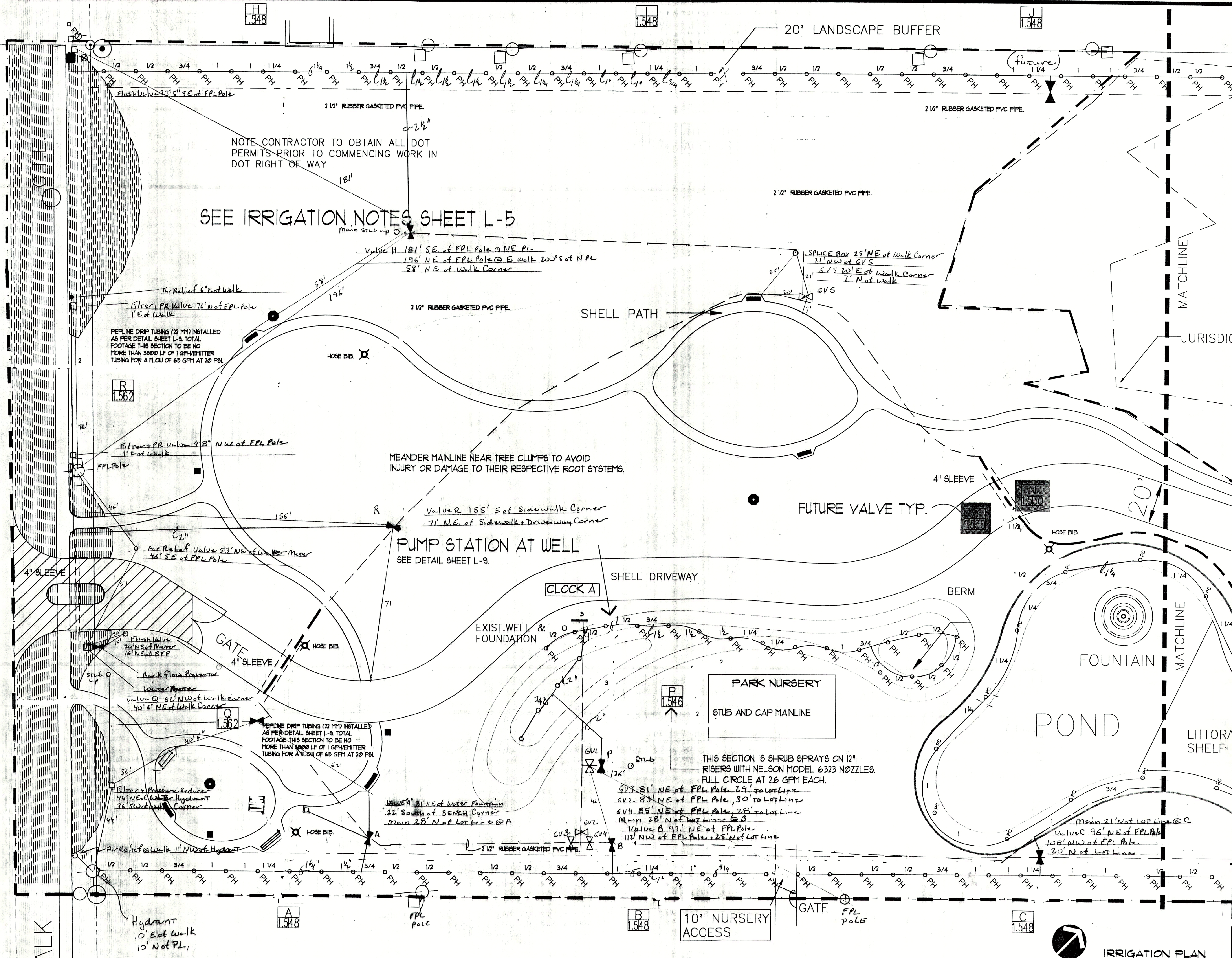
PROJECT NO.	8557
SCALE	N/A
DATE	7/2/96
DRAWN BY	MES
ISSUED	7/17/96

SITE DEVELOPMENT PLANS
DURANTE PARK PHASE III
 TOWN OF LONGBOAT KEY, FLORIDA

SHEET NO.
IR-3

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MEXICO DRIVE



SEE IRRIGATION NOTES SHEET L-5

MEANDER MAINLINE NEAR TREE CLUMPS TO AVOID INJURY OR DAMAGE TO THEIR RESPECTIVE ROOT SYSTEMS.

PUMP STATION AT WELL
SEE DETAIL SHEET L-9.

PARK NURSERY

STUB AND CAP MAINLINE

THIS SECTION IS SHRUB SPRAYS ON 12" RISERS WITH NELSON MODEL 6323 NOZZLES. FULL CIRCLE AT 26 GPM EACH.

VALVE A 81' SE of Water Fountain
22' South of BENCH Corner
Main 28' N of Lot Line @ A

VALVE B 97' NE of FPL Pole
112' NW of FPL Pole, 25' Not Lot Line



IRRIGATION PLAN

LANDSCAPE ARCHITECTS
DAVID W. JOHNSTON ASSOCIATES
1497 SECOND STREET SUITE E, SARASOTA, FLORIDA 34236 813-366-3186

PROJECT NO. 9437
SCALE 1" = 20'
DATE 9/26/94
DRAWN BY DWJ
ISSUED 10/7/94

SITE DEVELOPMENT PLANS FOR
DURANTE COMMUNITY PARK PH 1
CITY OF LONGBOAT KEY, FLORIDA

SHEET

