

PROJECT TITLE : SPRINGDALE TOWNHOMES  
MARGATE, FLORIDA

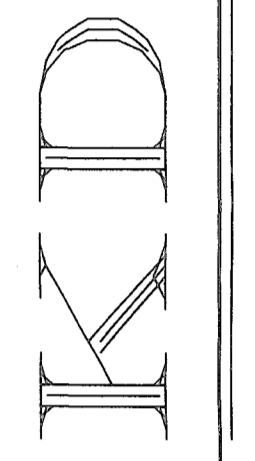
IRRIGATION COVER SHEET

Kenneth DiDonato, P.E.  
CONSULTING ENGINEER  
GOLF COURSE & COMMERCIAL IRRIGATION DESIGN  
2210 HOLLYWOOD BLVD., HOLLYWOOD, FLORIDA  
(354) 933-2555

SEAL  
PROJECT NO. 2022-65  
DRAWN BY KMD  
DESIGNED BY KMD  
SCALE: 1"=80'-0"  
DATE : NOVEMBER 2022  
DWG. NO. IR-0  
SHT. NO. \_\_\_\_\_ of \_\_\_\_\_  
REVISIONS : \_\_\_\_\_  
FILE: \_\_\_\_\_

Ken DiDonato  
P.E. Lic. #20892

Kenneth DiDonato, P.E.  
 CONSULTING ENGINEER  
 GOLF COURSE & COMMERCIAL IRRIGATION DESIGN  
 2210 HOLLYWOOD BLVD., HOLLYWOOD, FLORIDA 33020  
 (954) 923-2555



PROJECT TITLE: SPRINGDALE TOWNHOMES  
MARGATE, FLORIDA

IRRIGATION PLAN

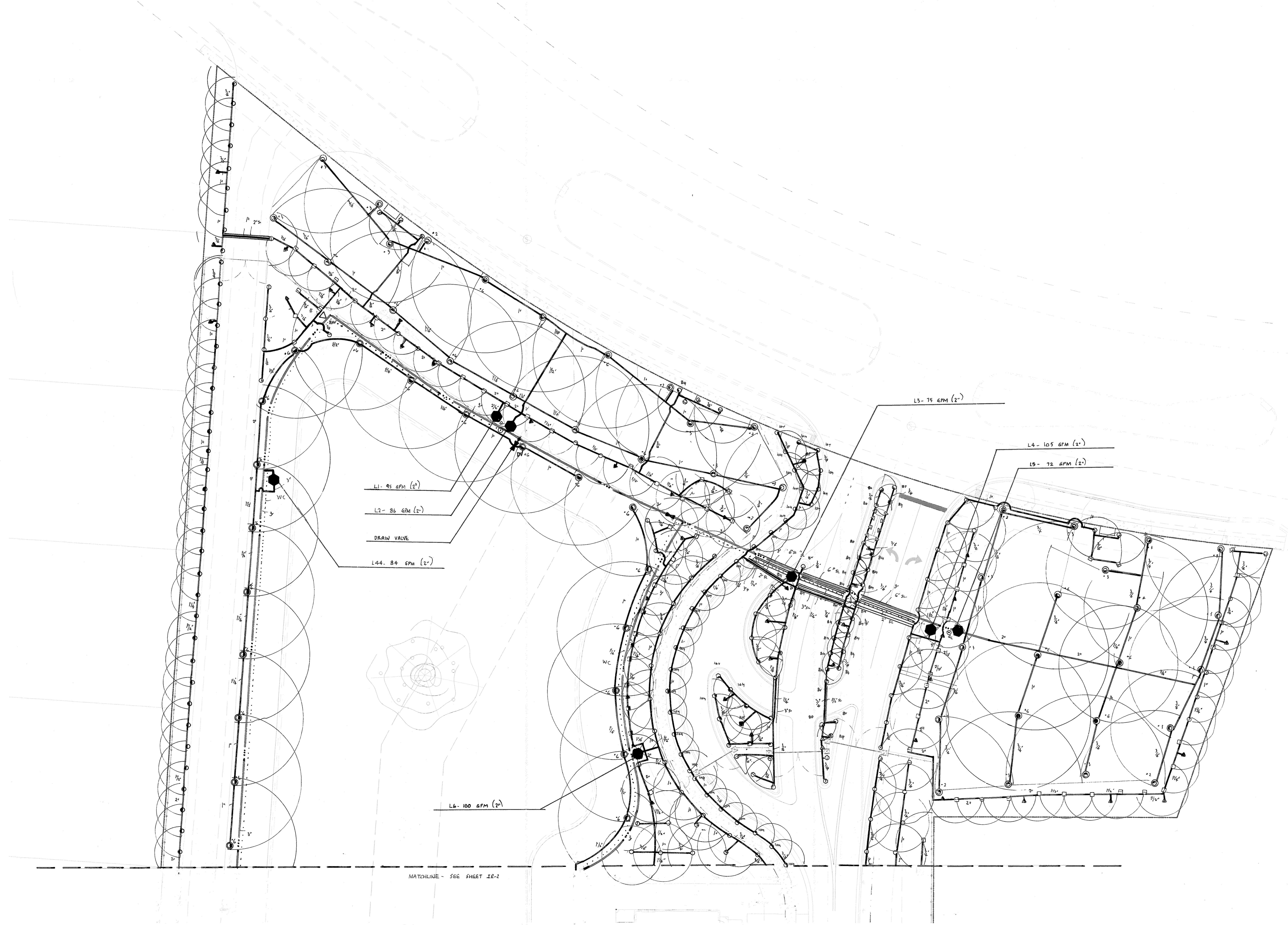
SEAL

Kenneth DiDonato  
 P.E. Lic. #20892

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P.E. Lic. #20892

PROJECT NO. 2022-65  
 DRAWN BY KMD  
 DESIGNED BY KMD  
 SCALE: 1"=20'-0"  
 DATE: NOVEMBER 2022  
 DWG. NO. IR-1  
 SHT. NO. of REVISIONS :

CFILE:



Kenneth DiDonato, P.E.  
CONSULTING ENGINEER COMMERCIAL IRRIGATION DESIGN  
2210 HOLLYWOOD BLVD., HOLLYWOOD, FLORIDA 33020  
(354) 923-2555

PROJECT TITLE : SPRINGDALE TOWNHOMES  
MARGATE, FLORIDA

IRRIGATION PLAN

SEAL  
Ken DiDonato  
P.E. Lic. #20892

PROJECT NO. 2022-65

DRAWN BY KMD

DESIGNED BY KMD

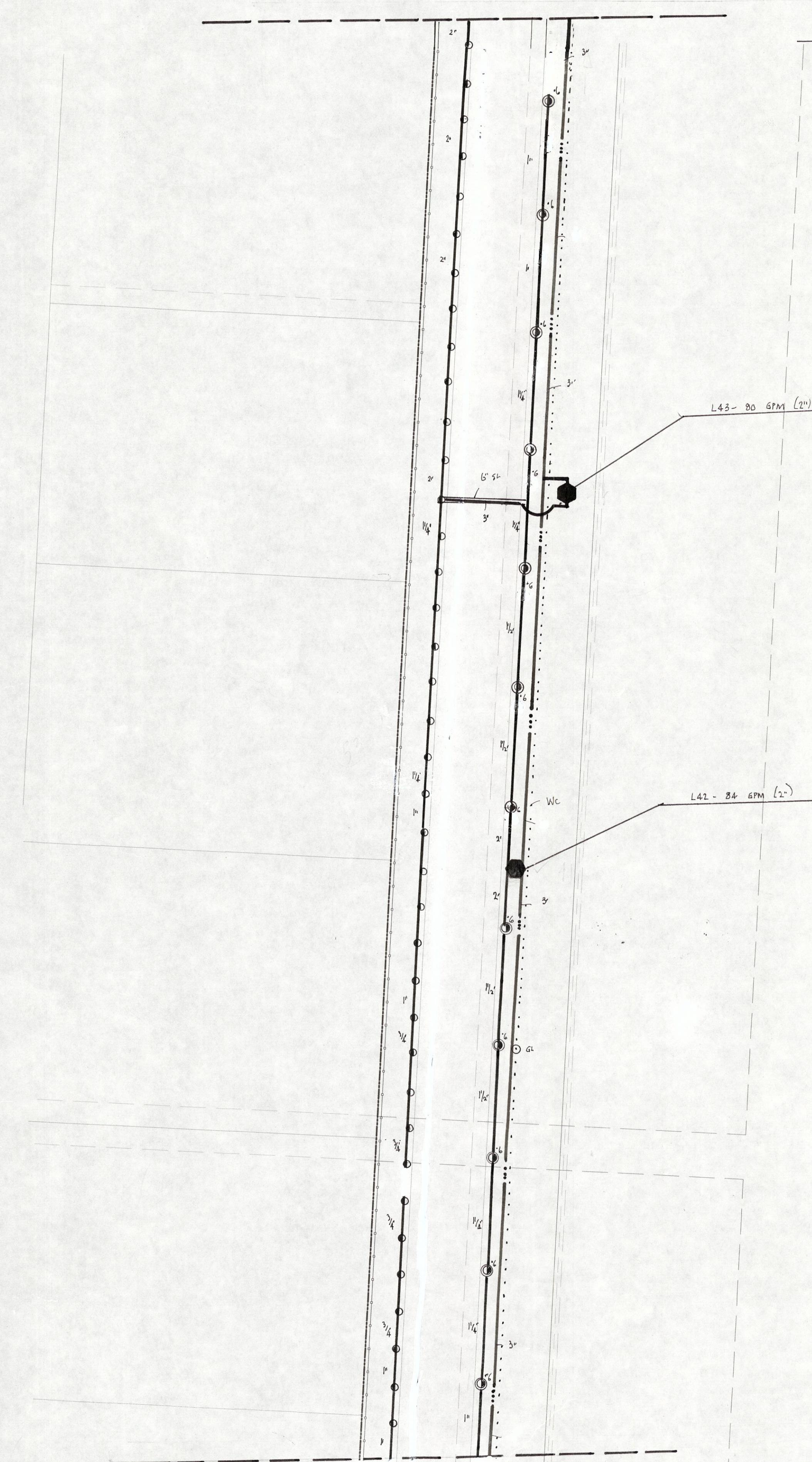
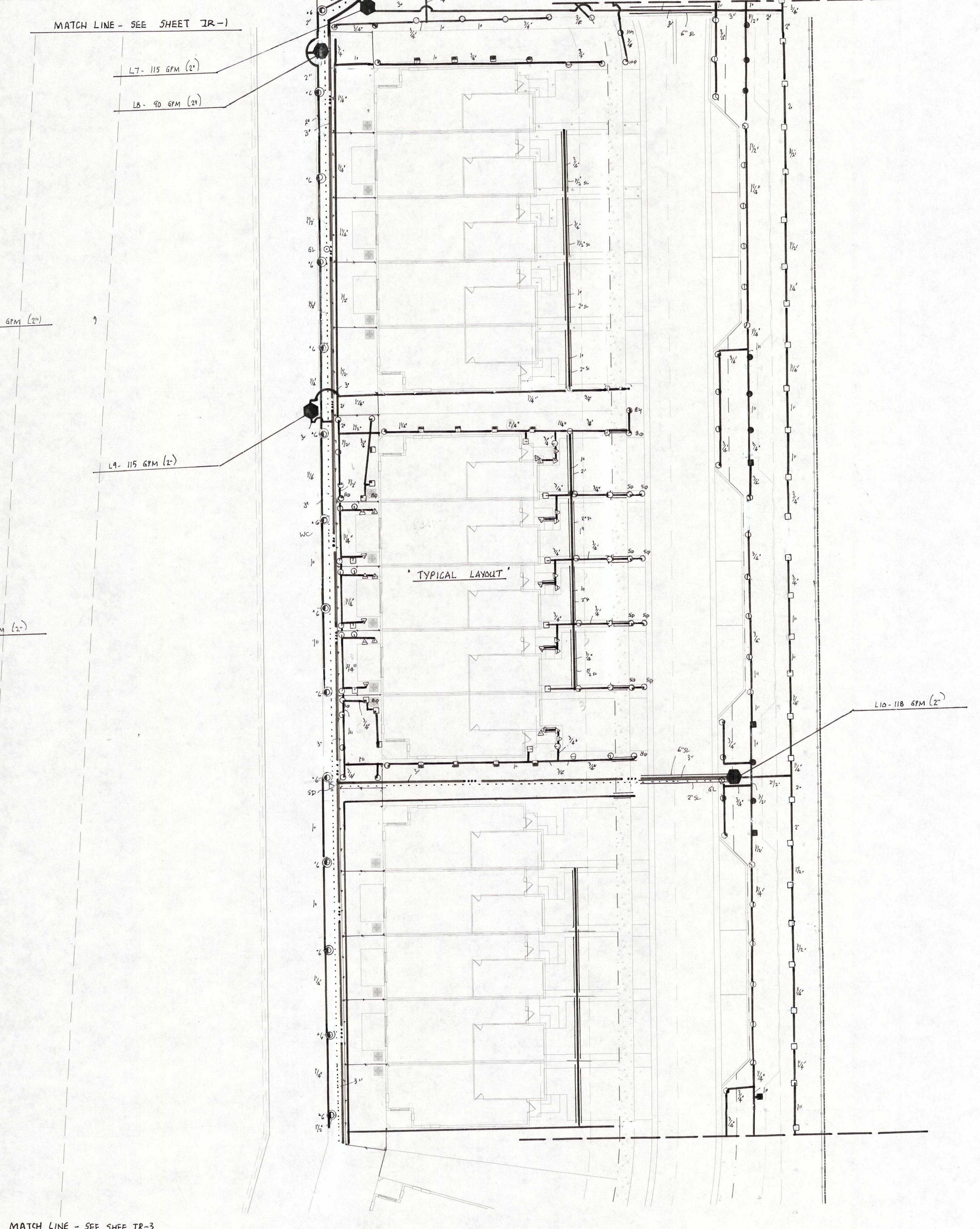
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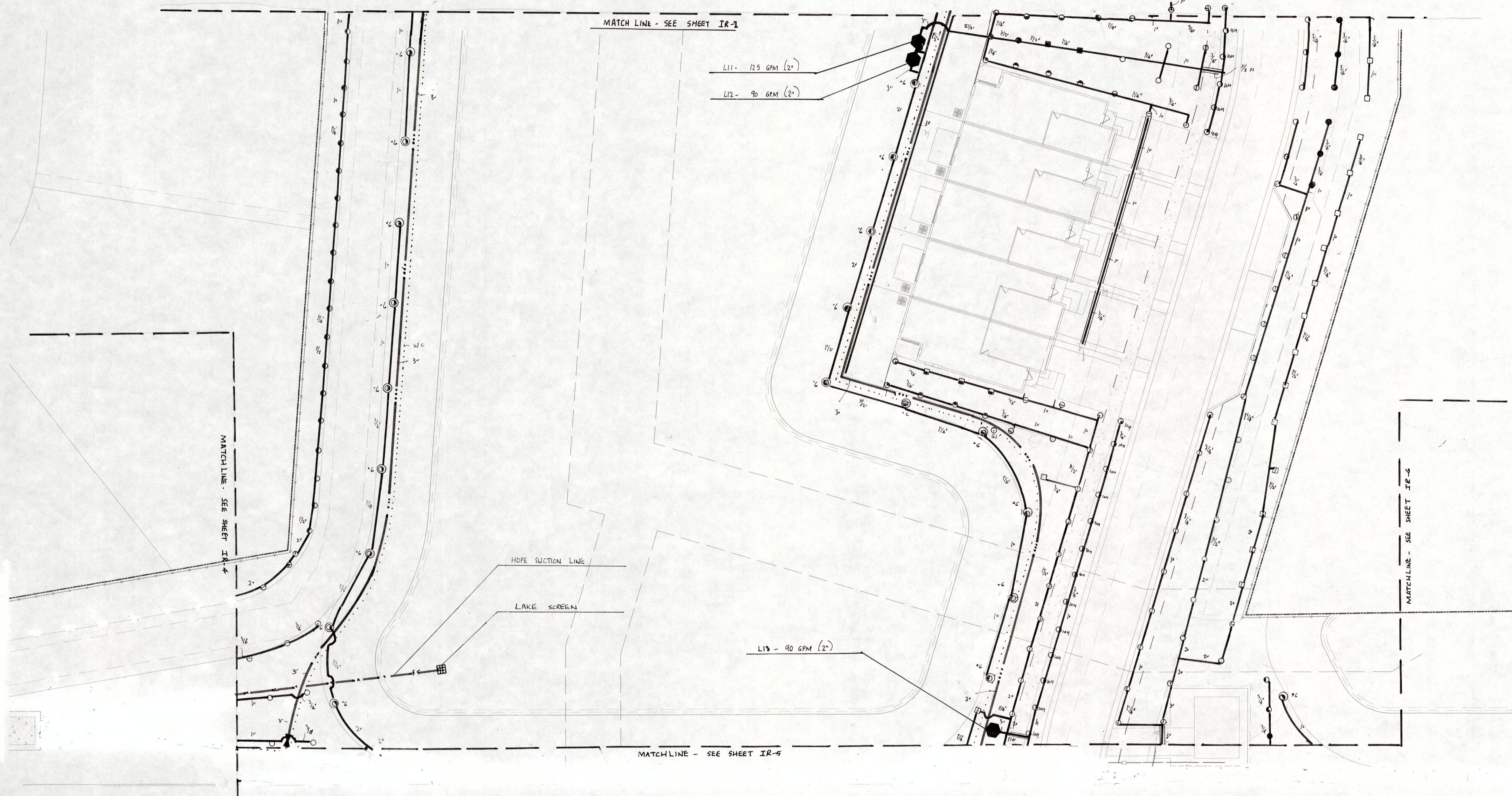
DATE : NOVEMBER 2022

DWG. NO. IR-2

SHT. NO. of  
REVISIONS :

CFILE:





PROJECT TITLE : SPRINGDALE TOWNHOMES  
MARGATE, FLORIDA

IRRIGATION PLAN

Kenneth DiDonato, P.E.

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(954) 923-2555

SEAL  
Ken DiDonato  
Kenneth DiDonato  
P.E. Lic. #A20892

PROJECT NO. 2022-65  
DRAWN BY KMD  
DESIGNED BY KMD  
SCALE: 1"=20'-0"  
DATE : NOVEMBER 2022  
DWG. NO. IR-3  
SHT. NO. \_\_\_\_\_ of \_\_\_\_\_  
REVISIONS :  
CFILE: \_\_\_\_\_

Kenneth DiDonato, P.E.  
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PROJECT TITLE : SPRINGDALE TOWNHOMES  
MARGATE, FLORIDA

IRRIGATION PLAN

SEAL  
Ken DiDonato  
P.E. Lic. #20392

PROJECT NO. 2022-65

DRAWN BY KMD

DESIGNED BY KMD

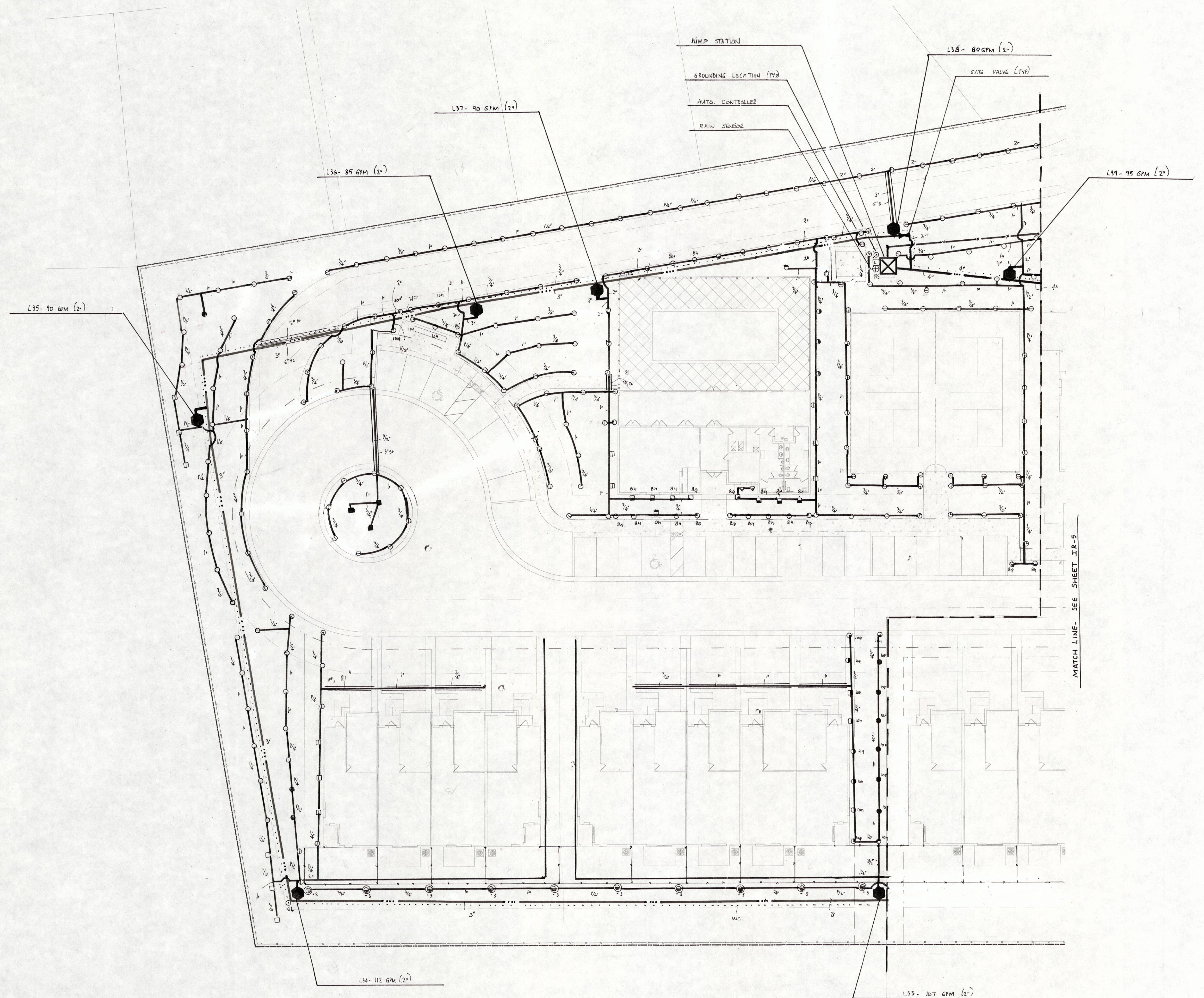
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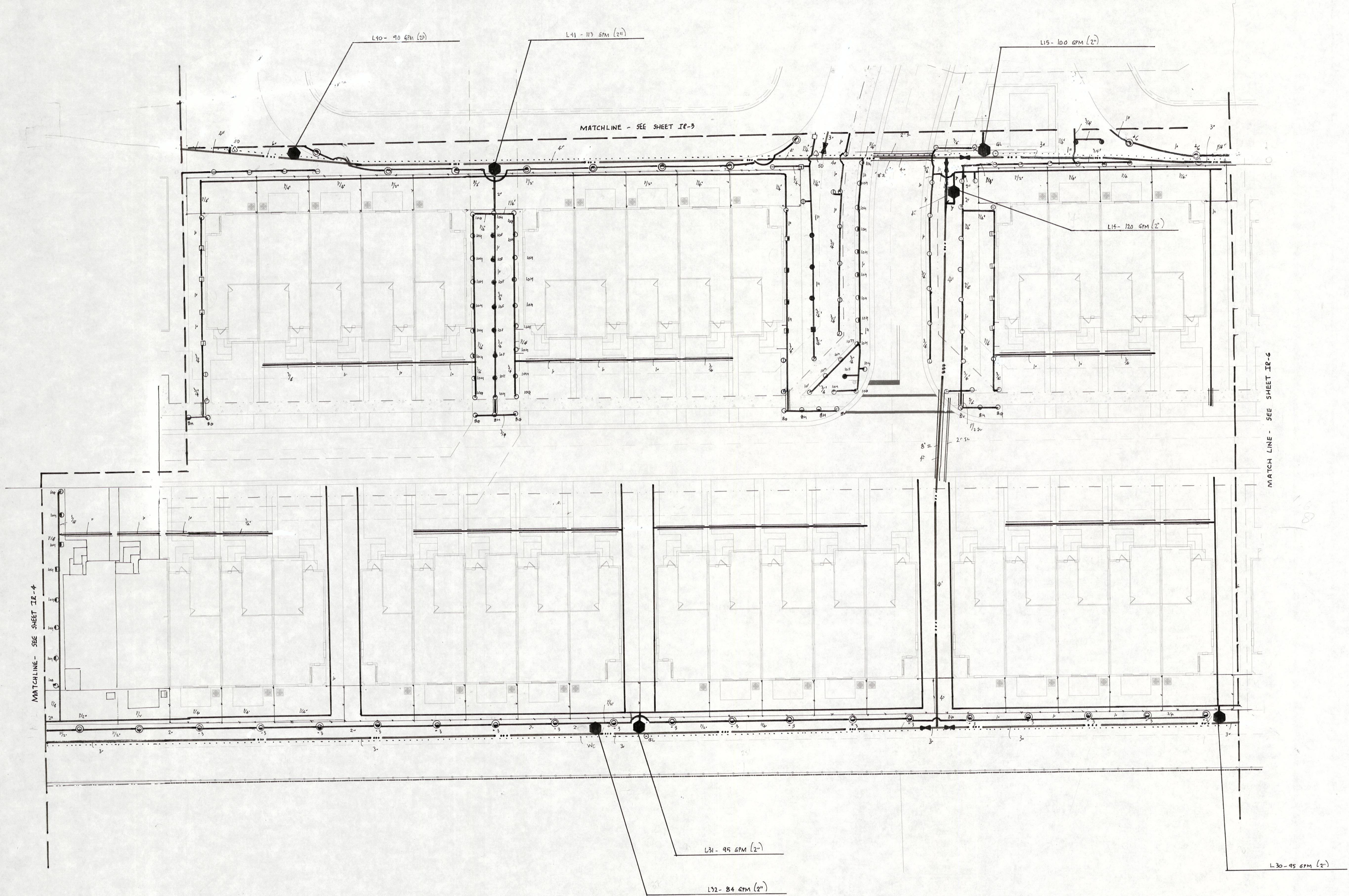
DATE : NOVEMBER 2022

DWG. NO. IR-4

SHT. NO. \_\_\_\_\_ of \_\_\_\_\_  
REVISIONS : \_\_\_\_\_

CFILE: \_\_\_\_\_





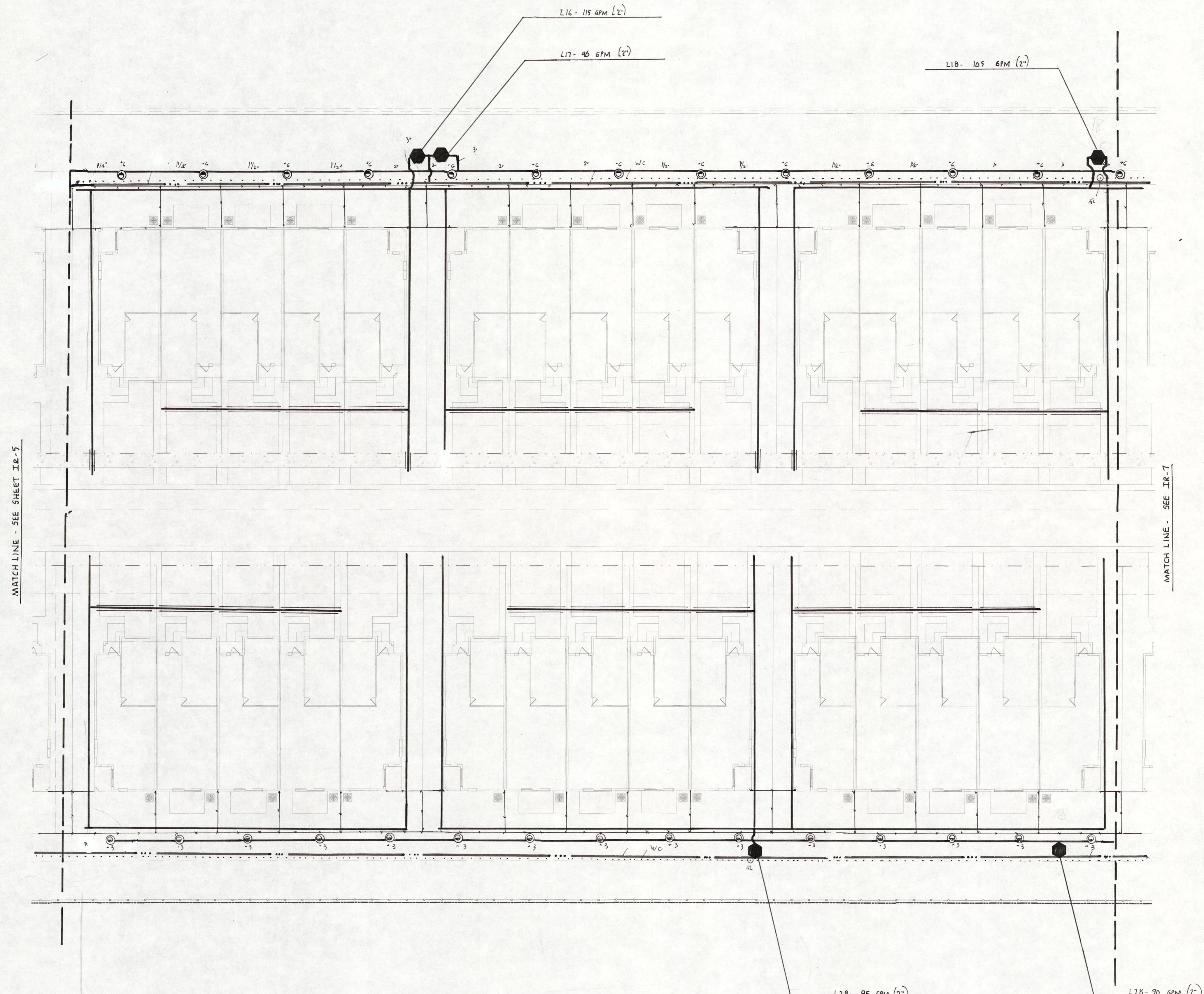
PROJECT NO. 2022-65  
DRAWN BY KMD  
DESIGNED BY KMD  
SCALE: 1"=20'-0"  
DATE: NOVEMBER 2022  
DWG. NO. IR-5  
SHT. NO. \_\_\_\_\_ of \_\_\_\_\_  
REVISIONS: \_\_\_\_\_  
CFILE: \_\_\_\_\_

Kenneth DiDonato, P.E.  
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GOLF COURSE & COMMERCIAL IRRIGATION DESIGN  
2210 Hollywood Blvd., Hollywood, Florida 33020  
(954) 923-2555

PROJECT TITLE : SPRINGDALE TOWNHOMES  
MARGATE, FLORIDA

Ken DiDonato

Ken DiDonato  
P.E. Lic. #20892



# SPRINGDALE TOWNHOMES MARGATE, FLORIDA

# SPRINGDALE TOWN MARGATE, FLORIDA

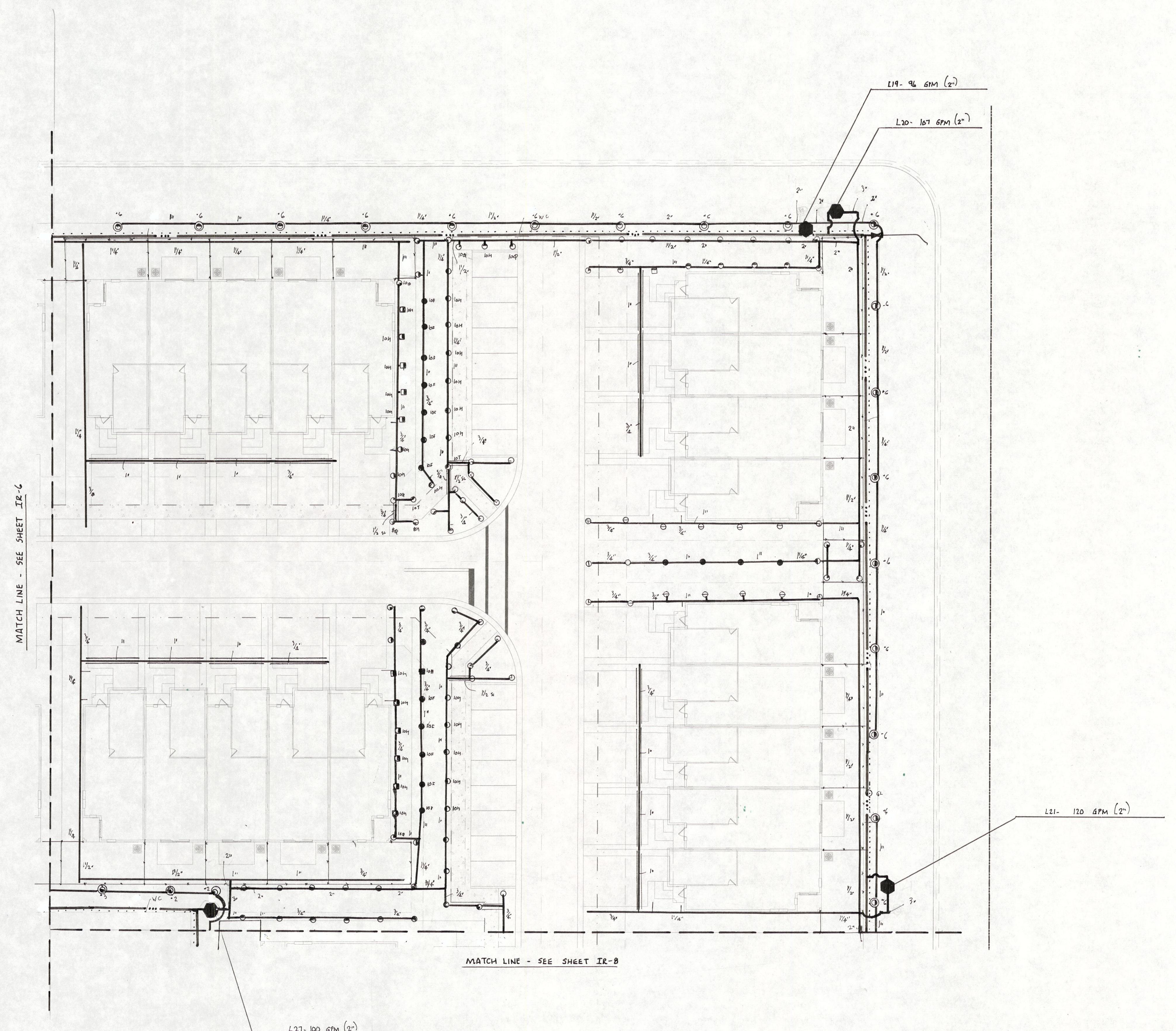
# IRRIGATION PLAN

# Kenneth DiDonato, P.E.

(954) 923-2555

OBJECT NO. 2022-65  
AWN BY KMD  
SIGNED BY KMD  
ALE: 1"=20'-0"  
TE : NOVEMBER 2022  
G. NO. IR-6  
T. NO.        of         
VISIONS :

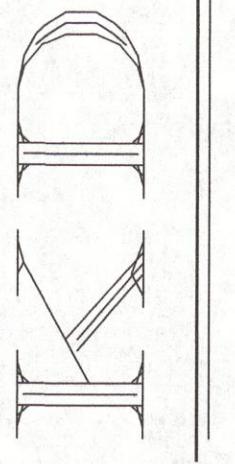
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PROJECT TITLE : SPRINGDALE TOWNHOMES  
MARGATE, FLORIDA

IRRIGATION PLAN

Kenneth DiDonato, P.E.  
CONSULTING ENGINEER  
GOLF COURSE & COMMERCIAL IRRIGATION DESIGN  
2210 HOLLYWOOD BLVD, HOLLYWOOD, FLORIDA 33020  
(954) 923-2555



SEAL

Ken DiDonato

Kenneth DiDonato

P.E. Lic. #20892

PROJECT NO. 2022-65

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DESIGNED BY KMD

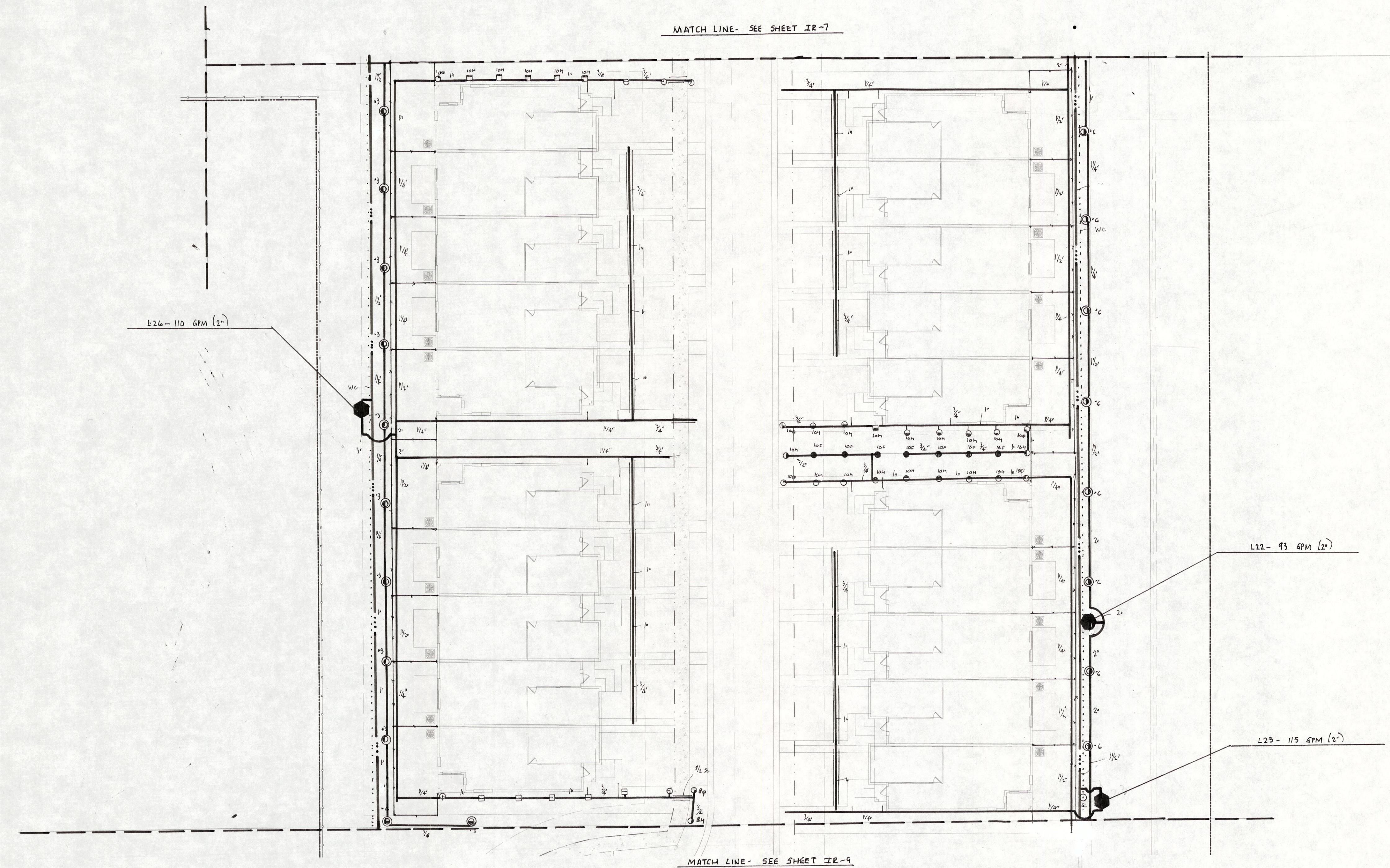
SCALE: 1"=20'-0"

DATE : NOVEMBER 2022

DWG. NO.

SHT. NO. \_\_\_\_\_ of \_\_\_\_\_  
REVISONS : \_\_\_\_\_

CFILE:



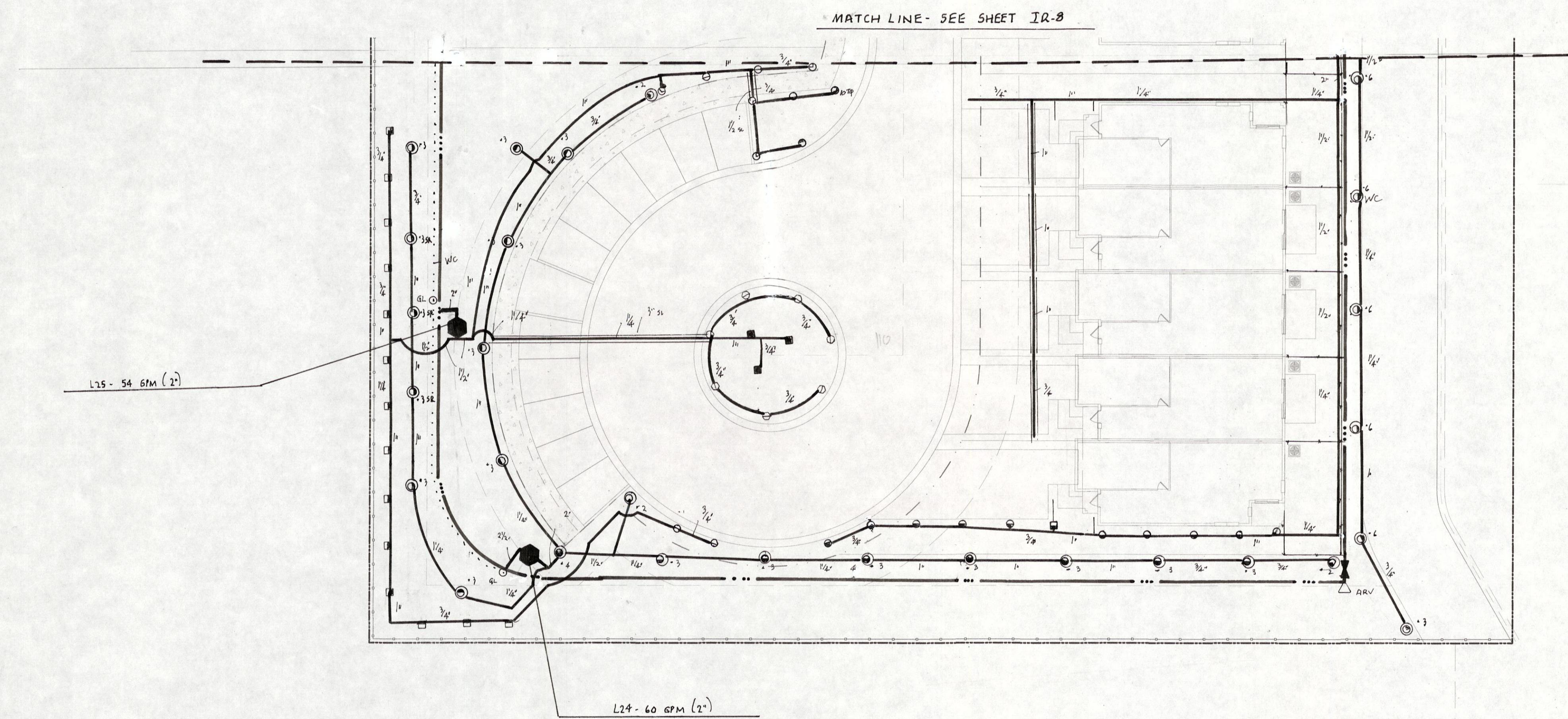
PROJECT TITLE : SPRINGDALE TOWNHOMES  
MARGATE, FLORIDA

IRRIGATION PLAN

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SEAL  
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PROJECT NO. 2022-65  
DRAWN BY KMD  
DESIGNED BY KMD  
SCALE: 1"=20'-0"  
DATE : NOVEMBER 2022  
DWG. NO. IR-8  
SHT. NO. \_\_\_\_\_ of \_\_\_\_\_  
REVISIONS :  
CFILE: \_\_\_\_\_



PROJECT TITLE : SPRINGDALE TOWNHOMES  
MARGATE, FLORIDA

IRRIGATION PLAN

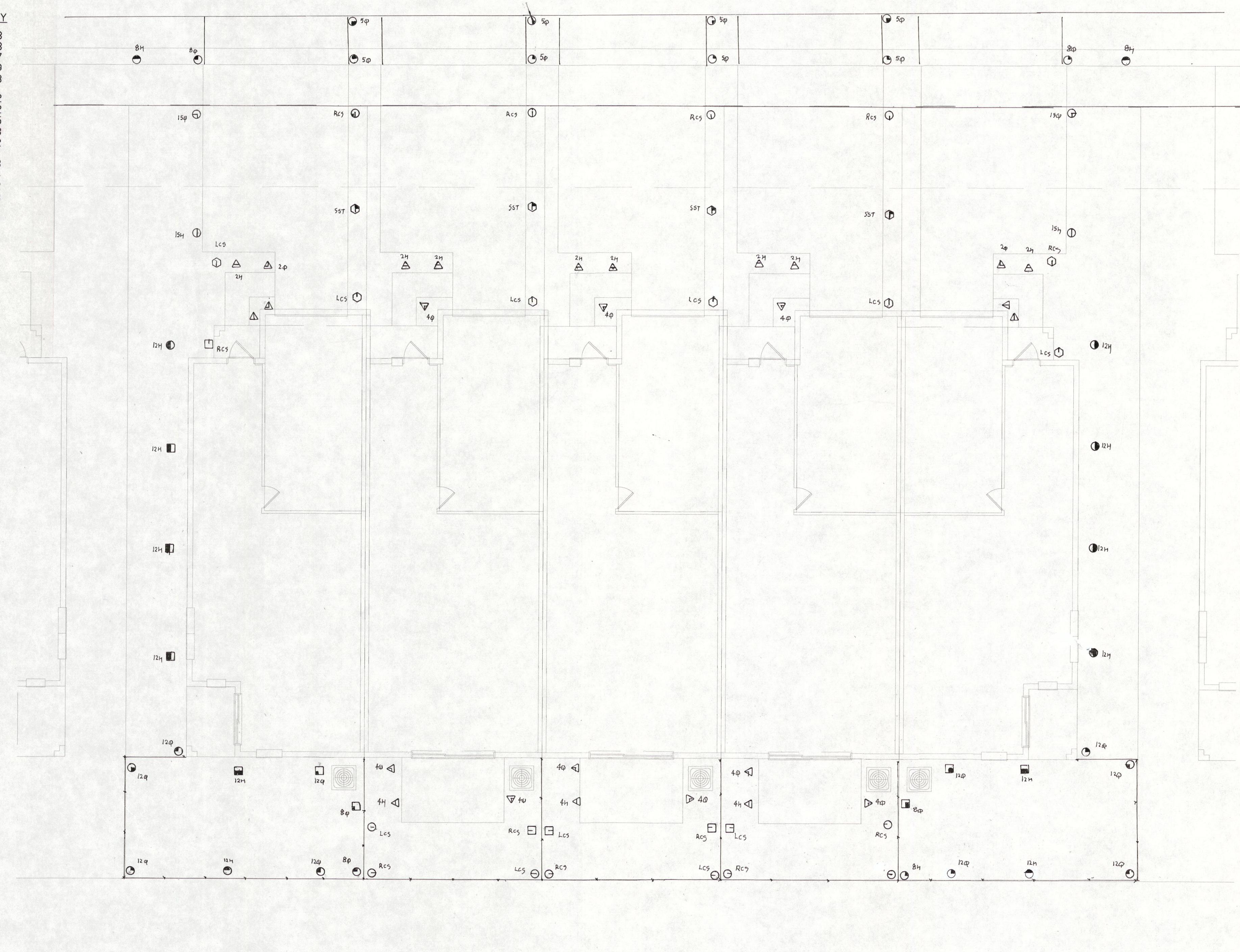
Kenneth DiDonato, P.E.  
CONSULTING ENGINEER  
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SEAL  
Ken DiDonato  
Kenneth DiDonato  
P.E. Lic. #20892

PROJECT NO. 2022-65  
DRAWN BY KMD  
DESIGNED BY KMD  
SCALE: 1"=20'-0"  
DATE : NOVEMBER 2022  
DWG. NO. IR-9  
SHT. NO. \_\_\_\_\_ of \_\_\_\_\_  
REVISIONS :  
CFILE: \_\_\_\_\_

## LEGEND

SYMBOL	MODEL NO.	DESCRIPTION			* EST. QUANTITY	
△	PR0S-00-PRS30-5CST-B	HUNTER	STREAM	BUBBLER	03	
△ 2Q	PR0S-00-PRS30-2Q	HUNTER	SPRAY	BUBBLER	03	
△ 2H	PR0S-00-PRS30-2H	HUNTER	SPRAY	BUBBLER	07	
△ 4Q	PR0S-00-PRS30-4Q	HUNTER	SPRAY	BUBBLER	09	
△ 4H	PR0S-00-PRS30-4H	HUNTER	SPRAY	BUBBLER	03	
□ 8Q	PR0S-00-PRS30-8Q	HUNTER	SHRUB	SPRAY	02	
□ 12Q	PR0S-00-PRS30-12Q	HUNTER	SHRUB	SPRAY	02	
□ 12H	PR0S-00-PRS30-12H	HUNTER	SHRUB	SPRAY	05	
□ RCS	PR0S-00-PRS30-RCS515	HUNTER	SHRUB	SPRAY	03	
□ LCS	PR0S-00-PRS30-LCS515	HUNTER	SHRUB	SPRAY	02	
○ 5Q	PR0S-06-PRS30-5Q	HUNTER	6"	POP-UP	SPRAY	08
○ 8Q	PR0S-06-PRS30-8Q	HUNTER	6"	POP-UP	SPRAY	04
○ 8H	PR0S-06-PRS30-8H	HUNTER	6"	POP-UP	SPRAY	02
○ 12Q	PR0S-06-PRS30-12Q	HUNTER	6"	POP-UP	SPRAY	08
○ 12H	PR0S-06-PRS30-12H	HUNTER	6"	POP-UP	SPRAY	07
○ RCS	PR0S-06-PRS30-RCS515	HUNTER	6"	POP-UP	SPRAY	08
○ LCS	PR0S-06-PRS30-LCS515	HUNTER	6"	POP-UP	SPRAY	04
○ 15Q	PR0S-06-PRS30-15Q	HUNTER	6"	POP-UP	SPRAY	02
○ 15H	PR0S-06-PRS30-15H	HUNTER	6"	POP-UP	SPRAY	02
○ RCS	PR0S-012-PRS30-RCS515	HUNTER	12"	POP-UP	SPRAY	01
○ LCS	PR0S-012-PRS30-LCS515	HUNTER	12"	POP-UP	SPRAY	06
○ SST	PR0S-012-PRS30-SS530	HUNTER	12"	POP-UP	SPRAY	04



SPRINGDALE TOWNHOMES  
MARGATE, FLORIDA  
IRRIGATION PLAN  
TYPICAL BUILDING

Kenne  
P.E. L

OBJECT NO 2022-65

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AWN BY KMD

SIGNED BY KMD

ALF:  $1'' = 20' - 0''$

DATE : NOVEMBER 2022

NOVEMBER 2022

6. NO. IR-10

T. NO. \_\_\_\_\_ of \_\_\_\_\_

VISIONS : \_\_\_\_\_

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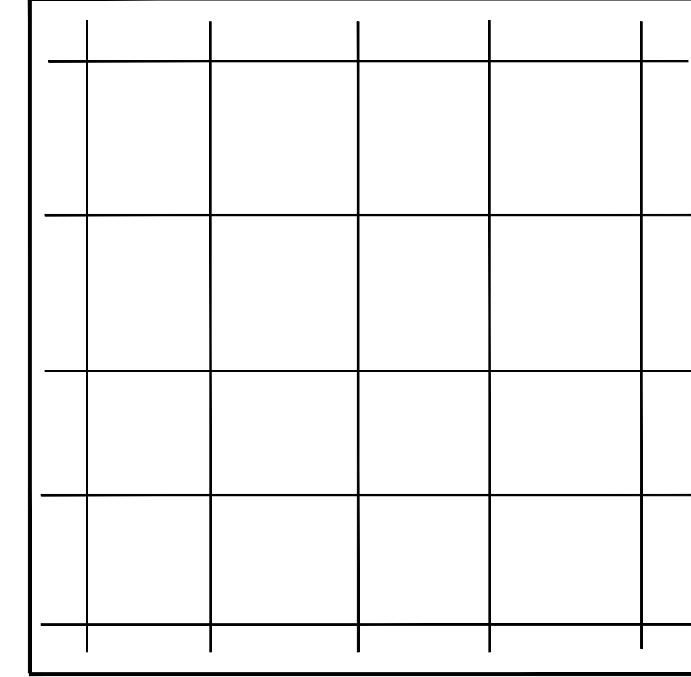
LEGEND

SYMBOL	MODEL NO.	DESCRIPTION	* EST. QUANTITY
▲	PDN10	HUNTER FLOOD BUBBLER	37
▲ 20	PRDS-00-PRS30-5CST-B	HUNTER STREAM BUBBLER	87
▲ 20	PRDS-00-PRS30-20	HUNTER SPRAY BUBBLER	86
▲ 40	PRDS-00-PRS30-40	HUNTER SPRAY BUBBLER	206
▲ 40	PRDS-00-PRS30-4H	HUNTER SPRAY BUBBLER	55
■ 60	PRDS-00-PRS30-6H	HUNTER SHRUB SPRAY	51
■ 60	PRDS-00-PRS30-6H	HUNTER SHRUB SPRAY	68
■ 10H	PRDS-00-PRS30-10H	HUNTER SHRUB SPRAY	16
■ 10F	PRDS-00-PRS30-10F	HUNTER SHRUB SPRAY	01
■ 12H	PRDS-00-PRS30-12H	HUNTER SHRUB SPRAY	53
■ 12H	PRDS-00-PRS30-12H	HUNTER SHRUB SPRAY	126
■ 12F	PRDS-00-PRS30-12F	HUNTER SHRUB SPRAY	13
■ 12F	PRDS-00-PRS30-12F	HUNTER SHRUB SPRAY	76
■ 15H	PRDS-00-PRS30-15H	HUNTER SHRUB SPRAY	53
■ 15H	PRDS-00-PRS30-15H	HUNTER SHRUB SPRAY	62
■ 15F	PRDS-00-PRS30-15F	HUNTER SHRUB SPRAY	01
■ 15F	PRDS-00-PRS30-15F	HUNTER SHRUB SPRAY	62
■ 18H	PRDS-06-PRS30-50	HUNTER 6" POP-UP SPRAY	104
■ 18H	PRDS-06-PRS30-8V	HUNTER 6" POP-UP SPRAY	03
■ 18H	PRDS-06-PRS30-8H	HUNTER 6" POP-UP SPRAY	93
■ 18H	PRDS-06-PRS30-8H	HUNTER 6" POP-UP SPRAY	62
■ 18F	PRDS-06-PRS30-8F	HUNTER 6" POP-UP SPRAY	01
■ 18F	PRDS-06-PRS30-10V	HUNTER 6" POP-UP SPRAY	04
■ 18F	PRDS-06-PRS30-10V	HUNTER 6" POP-UP SPRAY	25
■ 18F	PRDS-06-PRS30-10T	HUNTER 6" POP-UP SPRAY	44
■ 18F	PRDS-06-PRS30-10T	HUNTER 6" POP-UP SPRAY	11
■ 18T	PRDS-06-PRS30-10T	HUNTER 6" POP-UP SPRAY	02
■ 18T	PRDS-06-PRS30-10V	HUNTER 6" POP-UP SPRAY	35
■ 18T	PRDS-06-PRS30-12V	HUNTER 6" POP-UP SPRAY	02
■ 18T	PRDS-06-PRS30-12V	HUNTER 6" POP-UP SPRAY	221
■ 18T	PRDS-06-PRS30-12T	HUNTER 6" POP-UP SPRAY	02
■ 18T	PRDS-06-PRS30-12T	HUNTER 6" POP-UP SPRAY	36
■ 18T	PRDS-06-PRS30-12F	HUNTER 6" POP-UP SPRAY	04
■ 18T	PRDS-06-PRS30-12F	HUNTER 6" POP-UP SPRAY	28
■ 18T	PRDS-06-PRS30-12F	HUNTER 6" POP-UP SPRAY	215
■ 18T	PRDS-06-PRS30-12F	HUNTER 6" POP-UP SPRAY	113
■ 18T	PRDS-06-PRS30-15H	HUNTER 6" POP-UP SPRAY	09
■ 18T	PRDS-06-PRS30-15V	HUNTER 6" POP-UP SPRAY	04
■ 18T	PRDS-06-PRS30-15V	HUNTER 6" POP-UP SPRAY	78
■ 18T	PRDS-06-PRS30-15H	HUNTER 6" POP-UP SPRAY	05
■ 18T	PRDS-06-PRS30-15H	HUNTER 6" POP-UP SPRAY	255
■ 18T	PRDS-06-PRS30-15T	HUNTER 6" POP-UP SPRAY	03
■ 18T	PRDS-06-PRS30-15T	HUNTER 6" POP-UP SPRAY	69
■ 18T	PRDS-06-PRS30-15F	HUNTER 6" POP-UP SPRAY	73
■ 18T	PRDS-06-PRS30-15F	HUNTER 6" POP-UP SPRAY	131
■ 18T	PRDS-06-PRS30-8V	HUNTER 12" POP-UP SPRAY	01
■ 18T	PRDS-06-PRS30-8H	HUNTER 12" POP-UP SPRAY	10
■ 18T	PRDS-06-PRS30-8H	HUNTER 12" POP-UP SPRAY	18
■ 18T	PRDS-06-PRS30-10V	HUNTER 12" POP-UP SPRAY	01
■ 18T	PRDS-06-PRS30-10V	HUNTER 12" POP-UP SPRAY	02
■ 18T	PRDS-06-PRS30-12H	HUNTER 12" POP-UP SPRAY	03
■ 18T	PRDS-06-PRS30-12H	HUNTER 12" POP-UP SPRAY	05
■ 18T	PRDS-06-PRS30-12H	HUNTER 12" POP-UP SPRAY	26
■ 18T	PRDS-06-PRS30-12H	HUNTER 12" POP-UP SPRAY	141
■ 18T	PRDS-06-PRS30-12H	HUNTER 12" POP-UP SPRAY	37
■ 18T	PRDS-06-PRS30-15H	HUNTER 12" POP-UP SPRAY	01
■ 18T	PRDS-06-PRS30-15H	HUNTER 12" POP-UP SPRAY	08
■ 18T	PRDS-06-PRS30-15H	HUNTER 12" POP-UP SPRAY	04
■ 18T	PRDS-06-PRS30-15H	HUNTER 12" POP-UP SPRAY	08
■ 18T	PRDS-06-PRS30-15H	HUNTER 12" POP-UP SPRAY	06
■ 18T	PRDS-06-PRS30-15T	HUNTER 12" POP-UP SPRAY	144
■ 18T	PGP-04-2	HUNTER 4" POP-UP ROTOR	08
■ 18T	PGP-04-3	HUNTER 4" POP-UP ROTOR	74
■ 18T	PGP-04-4	HUNTER 4" POP-UP ROTOR	04
■ 18T	PGP-04-6	HUNTER 4" POP-UP ROTOR	101
■ 18T	PGP-04-6	HUNTER 4" POP-UP ROTOR	04
●	ICV-201G-FS	HUNTER 2" SOLENOID VALVE	44
□ L	A2C-75D-M	HUNTER AUTO. CONTROLLER	01
⊕ RS	MINI-CLICK	HUNTER RAIN SENSOR	01
NOT SHOWN	RDAMXL-KIT	HUNTER RDAM XL REMOTE	01
NOT SHOWN	HUNTER ICD DECODER	1 STATION	27
NOT SHOWN	HUNTER ICD DECODER	2 STATION	08
NOT SHOWN	ICD-HP	HUNTER PROGRAMMER	01
• • • •	IDIGRY	HUNTER DECODER SWITCHING DEVICE	6300 LF
△ SD	270DFD	GROUNDS LOCATION	17
○ GL		DUCTILE IRON	AS REQUIRED
NOT SHOWN		MAIN LINE FITTINGS	AS REQUIRED
		SCH. 40 PVC	AS REQUIRED
		SLEEVES	AS REQUIRED
		PVC FITTINGS	AS REQUIRED
		SPRINKLER RISERS	AS REQUIRED
		WIRE CONDUIT	6300 LF
		HIPPE	AS REQUIRED
		SUCTION LINE	
		TYPE 1120 PVC	
		4" MAIN LINE	640 LF
		3" MAIN LINE	6200 LF
		3/4" LATERALS	AS REQUIRED
		SDR 26, CLASS 160 PVC	AS REQUIRED
		LATERALS (1" LARGER)	
		GATE VALVE (TO LINE SIZE)	
		4"	01
		3"	10
		AIR RELIEF VALVE	
		VALVE BOX	02
		LAKE SCREEN	01
		PUMP STATION	01
		NOTE: ABOVE QUANTITIES ARE FOR COMPARISON ONLY. CONTRACTOR SHALL VERIFY PRIOR TO SUBMITTING BID.	

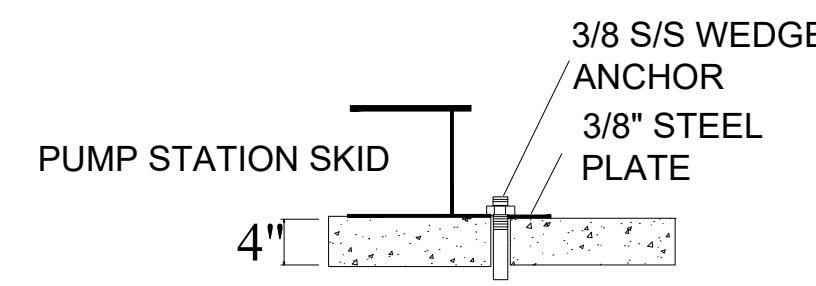
ZONE SUMMARY CHART

VALVE NUMBER	LOCATION	SPRINKLER TYPE	VALVE SIZE	WATER DEMAND*	RUN TIME*	WEEKLY USAGE
L1	PARK	SPRAY	2"	75 GPM	40 MIN/WK	3,000 GAL/WK
L2	PARK	ROTOR	2"	86 GPM	120 MIN/WK	10,320 GAL/WK
L3	ENTRANCE	SPRAY	2"	75 GPM	40 MIN/WK	3,000 GAL/WK
L4	PARK	SPRAY	2"	105 GPM	40 MIN/WK	4,200 GAL/WK
L5	PARK	ROTOR	2"	72 GPM	120 MIN/WK	8,640 GAL/WK
L6	ENTRANCE	SPRAY	2"	100 GPM	40 MIN/WK	4,000 GAL/WK
L7	EAST BUFFER	SPRAY	2"	105 GPM	40 MIN/WK	4,200 GAL/WK
L8	LAKE BANK	ROTOR	2"	90 GPM	120 MIN/WK	10,800 GAL/WK
L9	TOWNHOMES	SPRAY	2"	115 GPM	40 MIN/WK	4,600 GAL/WK
L10	EAST BUFFER	SPRAY	2"	118 GPM	40 MIN/WK	4,720 GAL/WK
L11	TOWNHOMES	SPRAY	2"	125 GPM	40 MIN/WK	5,000 GAL/WK
L12	LAKE BANK	ROTOR	2"	96 GPM	120 MIN/WK	11,520 GAL/WK
L13	COMMON AREA	SPRAY	2"	90 GPM	40 MIN/WK	3,600 GAL/WK
L14	TOWNHOMES	SPRAY	2"	120 GPM	40 MIN/WK	4,800 GAL/WK
L15	EAST BUFFER	SPRAY	2"	90 GPM	40 MIN/WK	3,600 GAL/WK
L16	TOWNHOMES	SPRAY	2"	115 GPM	40 MIN/WK	4,600 GAL/WK
L17	LAKE BANK	ROTOR	2"	96 GPM	120 MIN/WK	11,520 GAL/WK
L18	TOWNHOMES	SPRAY	2"	103 GPM	40 MIN/WK	4,120 GAL/WK
L19	LAKE BANK	ROTOR	2"	96 GPM	120 MIN/WK	11,520 GAL/WK
L20	TOWNHOMES	SPRAY	2"	107 GPM	40 MIN/WK	4,280 GAL/WK
L21	TOWNHOMES	SPRAY	2"	120 GPM	40 MIN/WK	4,800 GAL/WK
L22	LAKE BANK	ROTOR	2"	93 GPM	120 MIN/WK	11,160 GAL/WK
L23	TOWNHOMES	SPRAY	2"	115 GPM	40 MIN/WK	4,600 GAL/WK
L24	COMMON AREA	ROTOR	2"	60 GPM	120 MIN/WK	7,200 GAL/WK
L25	COMMON AREA	SPRAY	2"	54 GPM	40 MIN/WK	2,160 GAL/WK
L26	TOWNHOMES	SPRAY	2"	105 GPM	40 MIN/WK	4,200 GAL/WK
L27	TOWNHOMES	SPRAY	2"	100 GPM	120 MIN/WK	4,000 GAL/WK
L28	SOUTH BUFFER	ROTOR	2"	90 GPM	120 MIN/WK	10,800 GAL/WK
L29	TOWNHOMES	SPRAY	2"	95 GPM	40 MIN/WK	3,800 GAL/WK
L30	TOWNHOMES	SPRAY	2"	95 GPM	40 MIN/WK	3,800 GAL/WK
L31	TOWNHOMES	SPRAY	2"	95 GPM	40 MIN/WK	3,800 GAL/WK
L32	SOUTH BUFFER	ROTOR	2"	84 GPM	120 MIN/WK	10,080 GAL/WK
L33	TOWNHOMES	SPRAY	2"	107 GPM	40 MIN/WK	4,280 GAL/WK
L34	TOWNHOMES	SPRAY	2"	112 GPM	40 MIN/WK	4,4

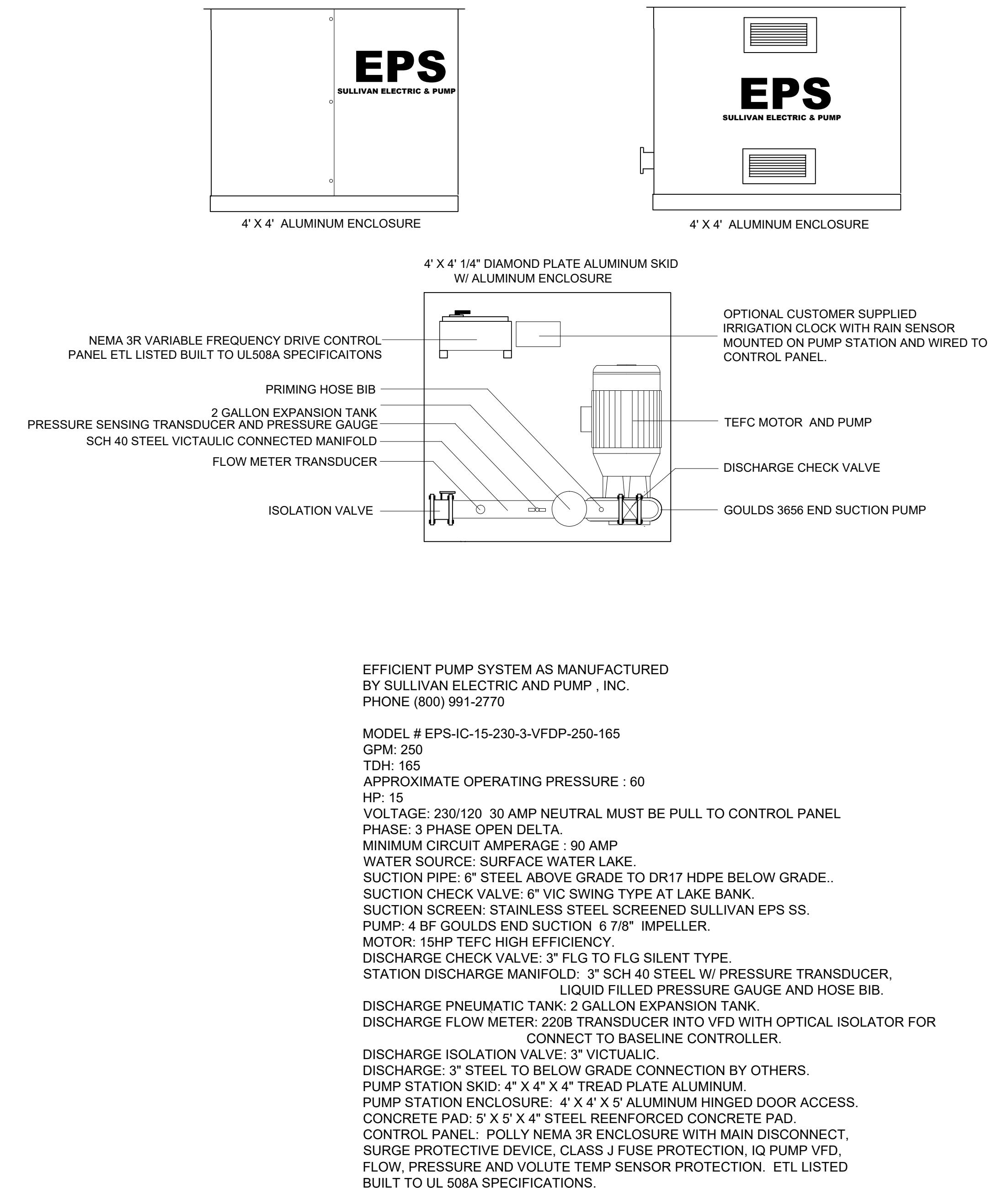
CONCRETE SLAB SIZE  
TYPICAL SLAB IS 5' X 5'



3000 PSI CONCRETE  
TROWEL FINISH LEVEL  
IN BOTH DIRECTIONS  
1 - #5 BAR @ 12" O.C.  
BOTH DIRECTIONS CENTERD IN SLAB



### PUMP STATION CONCRETE PAD DETAIL



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PROJECT TITLE : SPRINGDALE TOWNHOMES  
MARGATE, FLORIDA

IRRIGATION PUMP STATION

SEAL  
Ken DiDonato  
P.E. Lic. #420892

PROJECT NO. 2022-65  
DRAWN BY KMD  
DESIGNED BY KMD  
SCALE: N.T.S.  
DATE : NOVEMBER 2022  
DWG. NO. IR-12  
SHT. NO. \_\_\_\_\_ of \_\_\_\_\_  
REVISIONS :  
CFILE: \_\_\_\_\_