DRAWING NUMBER

BO-58

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA

REORDER BY NUMBER 075AR

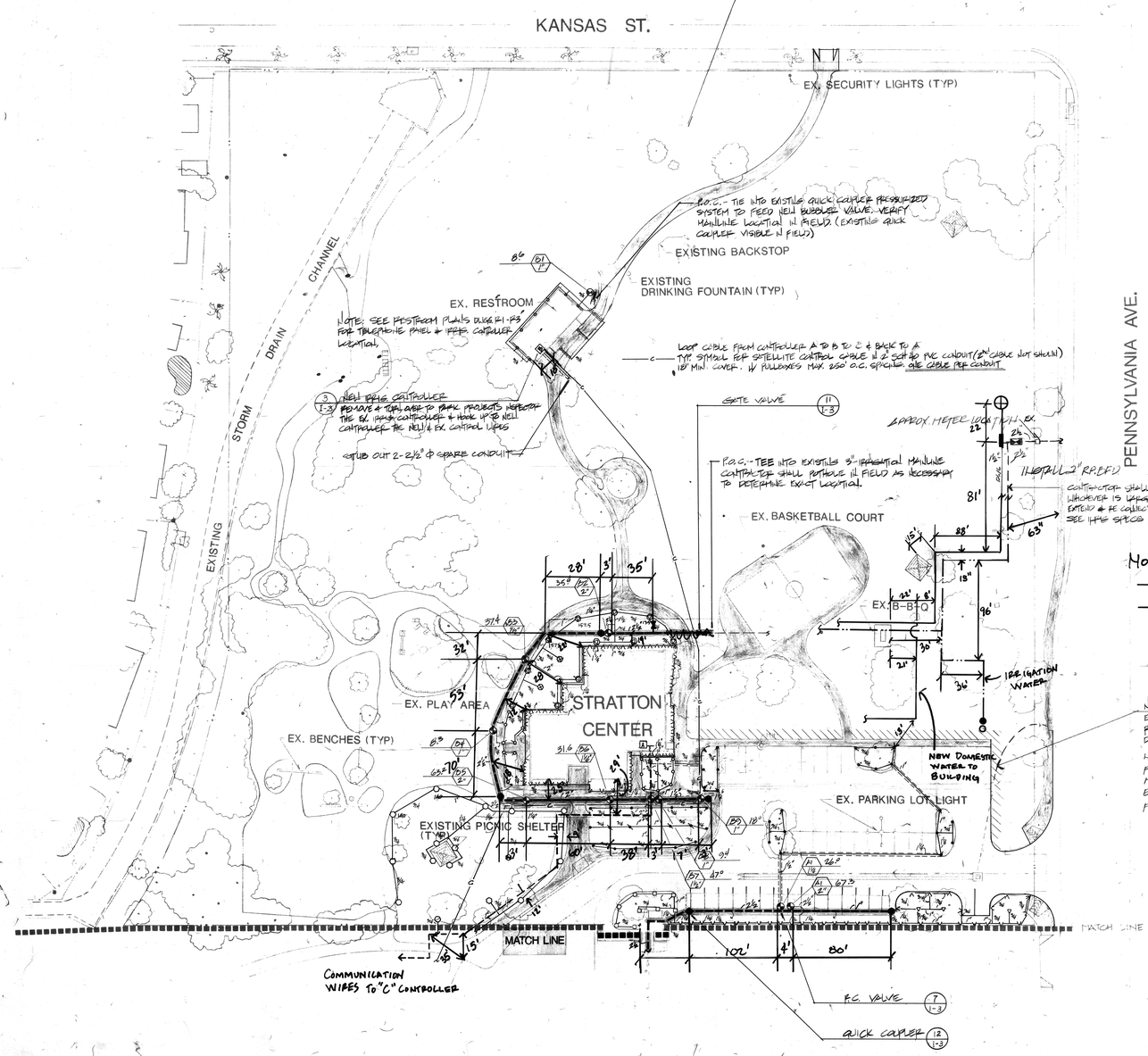
POSITION EDGE OF PRINT ON THIS LINE

LEGEND

MATCH LINE

IRRIGATION MAINLINE

IRRIGATION LEGEND												
Symbol	Model	Detail	PSI	Radius	Pattern 360°	270°	180°	120°	90°	45°	Remarks
○ ◐ ◑ ◒	TORO 640 SERIES PLUS #3, PLUS #5, PLUS 60	2	50	65'	12.7		12.7		6.7		SEE SPECS.
⊕ ○ ○ ○	NOZZLE USE ON P.H.2 VAR. ARC.	2	40	39'	7.8		5.7		3		" "
○ ○	" " USE ON H.2	2	40	30'	4.2		2.8		1.5		" "
⊕ ⊕ ⊕	3000-00-02 P.H.2	2	45	21'	2.7		1.8		1		" "
⊕ ⊕ ⊕	" -03 P.H.2	2	45	26'	4.4		2.7		1.4		" "
⊕ ⊕	2700-15 MPR SER. P.H.2	2	30	15'	2.1		1.1		.6		POP-UP
⊕ ⊕	2700-18 MPR SER. P.H.2	2	30	18'	2.1		1.1		.6		" "
⊕ ⊕	2700-21 MPR SER. P.H.2	2	30	21'	2.1		1.1		.6		" "
⊕ ⊕	2700-12 STP SER. P.H.2	2	30	12'	1.4		.8		.5		" "
	TORO 570-Z PA-100-15 (MEDIUM VOLS)	2	30		8.5		5				FIXED NOZZLES, POP-UP
	TORO 890 YD 8" SERIES BUFF (1 GA) & TORO 880 T 1" SERIES BUFF (1 GA) & TORO 880 T 2" SERIES BUFF (1 GA)										10 LOCATION TO BE APPROVED BY PARK FIELD INSPECTOR.
	TORO LETHION SERIES SATELLITE IRRIG. CONTROLLER										3 SEE SPECIFICATIONS
	HUNTER ECO-CIP PRIVATE CONTROL VALVE										7 SIZE NOTED ON PLANS
	HOLCO T-119 GATE VALVE										11 LINE SIZE
	TORO 250 AV L.F.C. 1" QUICK COUPLER										12
	IRRIG. MAINLINE PVC SCH 40 <2", PVC CLASS 200 >2", PVC CLASS 315										SEE SPECIFICATIONS - 18" MIN. COVER
	IRRIG. LATERALS PVC CL 200 - SIZE NOTED ON PLANS										" " - 12" MIN. COVER
	SCHEDULE 40 PVC SCH 40										18" MIN. COVER
	PVC PIPE & FITTINGS - SCH. 40 PVC CLASS 200 SEE PLAN DIAGRAMS										18" MIN. COVER & SEE PLAN DIAGRAMS & SPECS.
	TELEPHONE - 2-#14 TWISTED PR. WIRE SCHED.										
	HIGH VOLTAGE - 2-#14 TWISTED PR. WIRE SCHED.										
	U.S. FIBER OPTICAL CONTROL LINE, SCHED. SUPPLY, 12 GA. CONTROL, 4 GA. POWER										PLANTS W/ PERIMETER



NOTE:

——— IRRIGATION LINE

—·· —·· DOMESTIC WATER

48 HOURS BEFORE YOU DIG CALL Underground Service Alert 1-800-422-4133

north

SCALE : 1" = 40' - 0"

city of riverside
park & recreation
department
(714) 782-5223
3900 MAIN ST RIVERSIDE, CALIFORNIA 92522

CITY OF RIVERSIDE

BORDWELL PARK

AREA A

IRRIGATION PLAN

Date

Revisions

Sheet 15 of 26

DWG. No. I-1

ALL WORK THIS SHEET IN BASE BID ITEM A

PLAN NO. P-0506

DRAWING NUMBER | DRAWING NUMBER | DRAWING NUMBER | DRAWING NUMBER | DRAWING NUMBER BO-57 | DRAWING NUMBER Bordwell

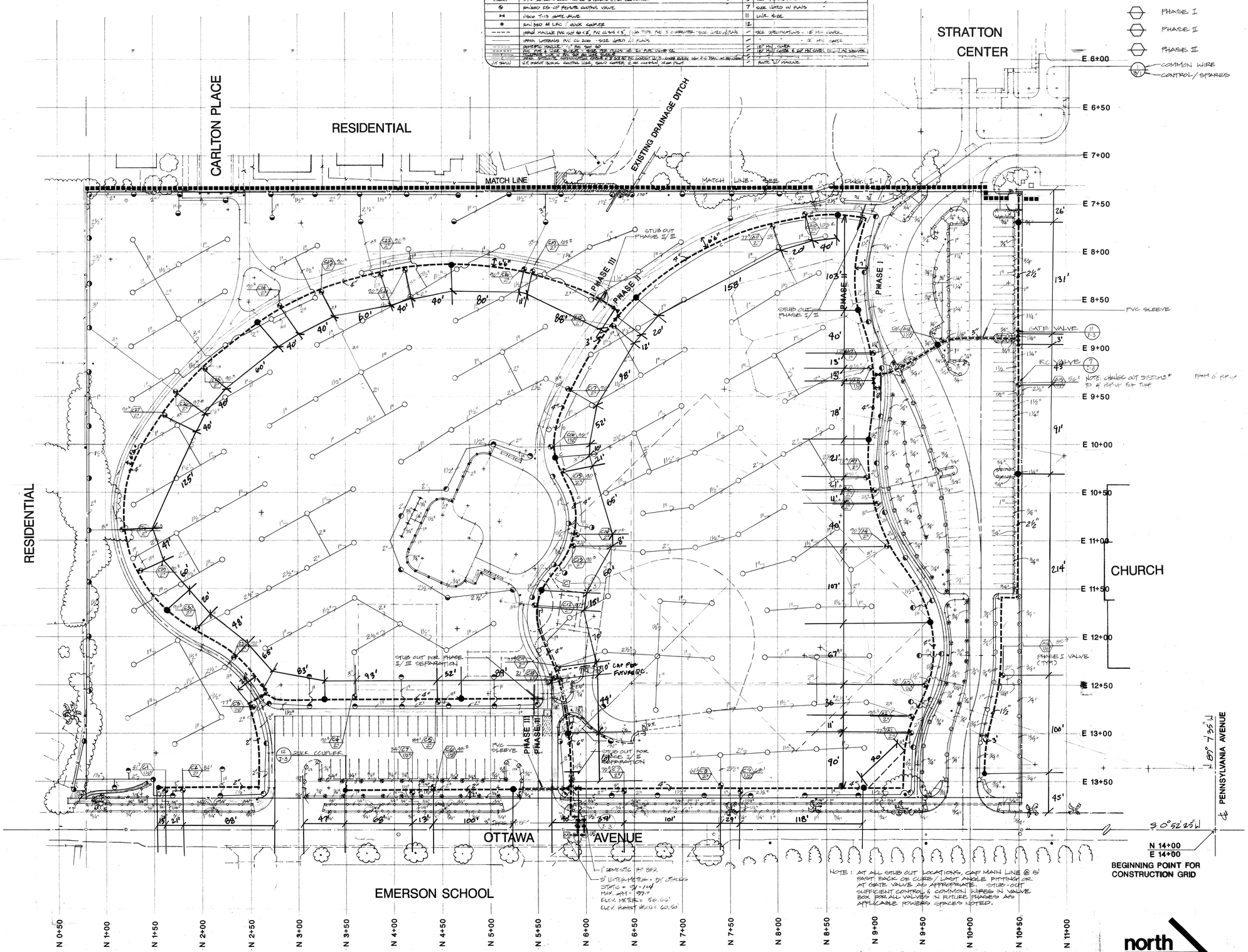
PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REORDER BY NUMBER 075AR
POSITION EDGE OF PRINT ON THIS LINE

IRRIGATION LEGEND

Symbol	Model	Detail	PSI	Radius	Pattern 360°	270°	180°	120°	90°	90°	Remarks
		2	50	55'	15°		12°		6°		OPEN NOZZLE
	NOZZLE 1/2 IPS P.H.Q. VAR. ARC	2	40	39'	18°		9°		1.5		" "
	" 1/2 IPS H.Q	2	40	30'	12°		12°		1'		" "
	5004-00-02 P.H.Q	2	55	21	27		18		.7		" "
	" -03 P.H.Q	2	55	50'	54°		27		1.6		POP-UP
	5006-15 1/2 GPM P.H.Q	2	50	12	30°		21		.4		" "
	5006-30 1/2 GPM P.H.Q	2	50	15	21		15		.5		" "
	5006-30 1/2 GPM P.H.Q	2	50	15	8		6		1		" "
	5004-00-02 P.H.Q (CURRENT USER)	2	50		18						POPPET SUBMERGED POP-UP
	FENCE BASE TO 5' AFGL OFF (1 EA) & FENCE BASE (1 SYMETRIC OF 1 (1 EA) & FENCE BASE (2' AFGL DEPT (1 EA)									10	LOCATION TO BE APPROVED BY PARK FIELD INSPECTOR
	SPRAY SETTLING BASIN SERIES SPECIALTY IRRIG. CONTROLLER									3	SEE SPECIFICATIONS
	RAINBIRD EFB-CP REMOTE CONTROL VALVE									7	SIZE NOTED ON PLANS
	HOSE TYPE GATE VALVE									11	LINE SIZE
	RAINBIRD 44 LRC QUICK COUPLER									12	
	IRRIG. MAINLINE PVC SCH 40 < 3", PVC CLASS < 3"										SEE SPECIFICATIONS - 18" MIN COVER
	IRRIG. LATERALS PVC CL 200 - SIZE NOTED ON PLANS										" " - 12" MIN COVER
	DOMESTIC MAINLINE - 1" PVC TYPE 40										18" MIN COVER
	PVC PIPE SLEEVE - SIZE PER PLANS UNDER 3" PVC PIPE UNDER SIDE										18" MIN COVER & 24" MIN COVER, EXCEPT AT SIDEWALK
	1" PVC SCH 40 WITH 2 PVC SCH 40 WITH 2 PVC SCH 40										" "
	SEE SPECIFIC CONTROLLER CABLE 14 # 2 AWG PVC CONDUIT (1) 3/4 - UNDER BUILD. WITH 2 EA TRAFFIC RESISTANT										" "
	U.F. DIRECT BURIAL CONTROL WIRE, SOLID COPPER, 12 AWG CONTROL, 14 AWG PILOT										ROUTE 1/2" MANIFOLD

LEGEND

- MATCH LINE
- IRRIGATION MAINLINE
- PHASE I
- PHASE II
- PHASE III
- COMMON WIRE
- CONTROL/SPARES



SCALE : 1" :: 40' - 0" PLAN NO. P-0506

city of riverside park & recreation department
(714) 782-5223
3900 MAIN ST RIVERSIDE, CALIFORNIA 92522

CITY OF RIVERSIDE
BORDWELL PARK

AREA B
IRRIGATION PLAN

Date:
Revisions:

no.	date	by

drawn by:

Sheet: 16 of 26

DWG. No. I-2

ALL WORK THIS SHEET INCLUDES MULTIPLE BID SCHEDULES

DRAWING NUMBER
PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REORDER BY NUMBER 075AR

DRAWING NUMBER
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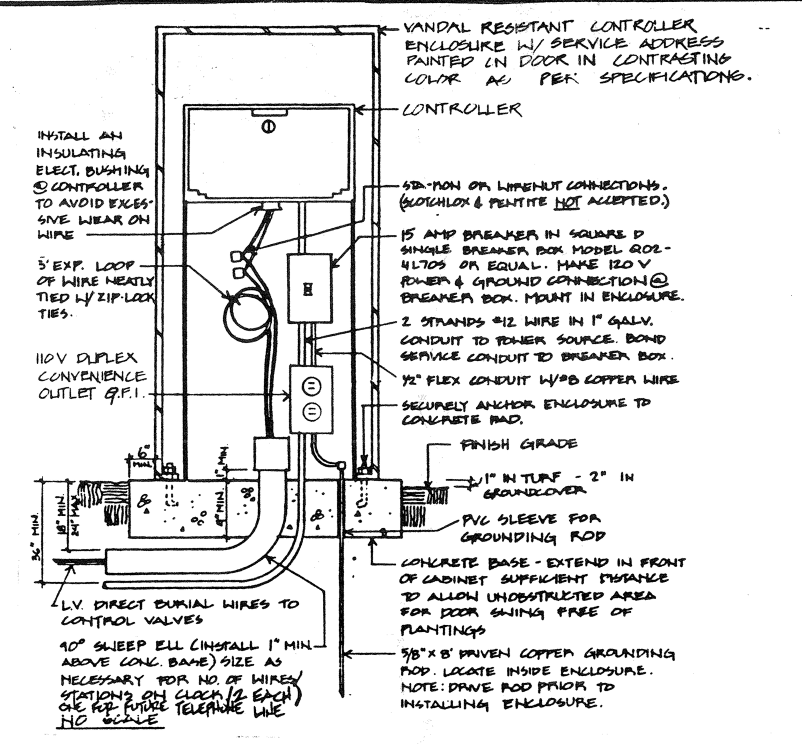
DRAWING NUMBER
PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REORDER BY NUMBER 075AR

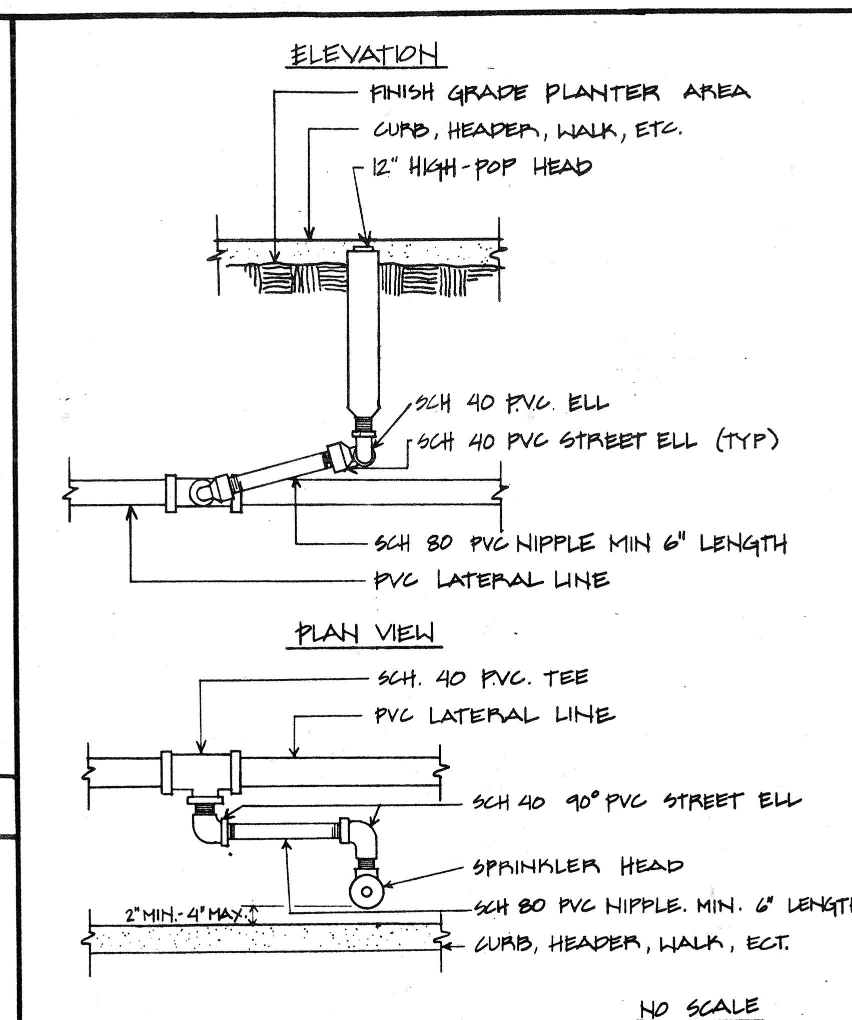
DRAWING NUMBER
B0-68
PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REORDER BY NUMBER 075AR

DRAWING NUMBER
BOR
PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REORDER BY NUMBER 075AR

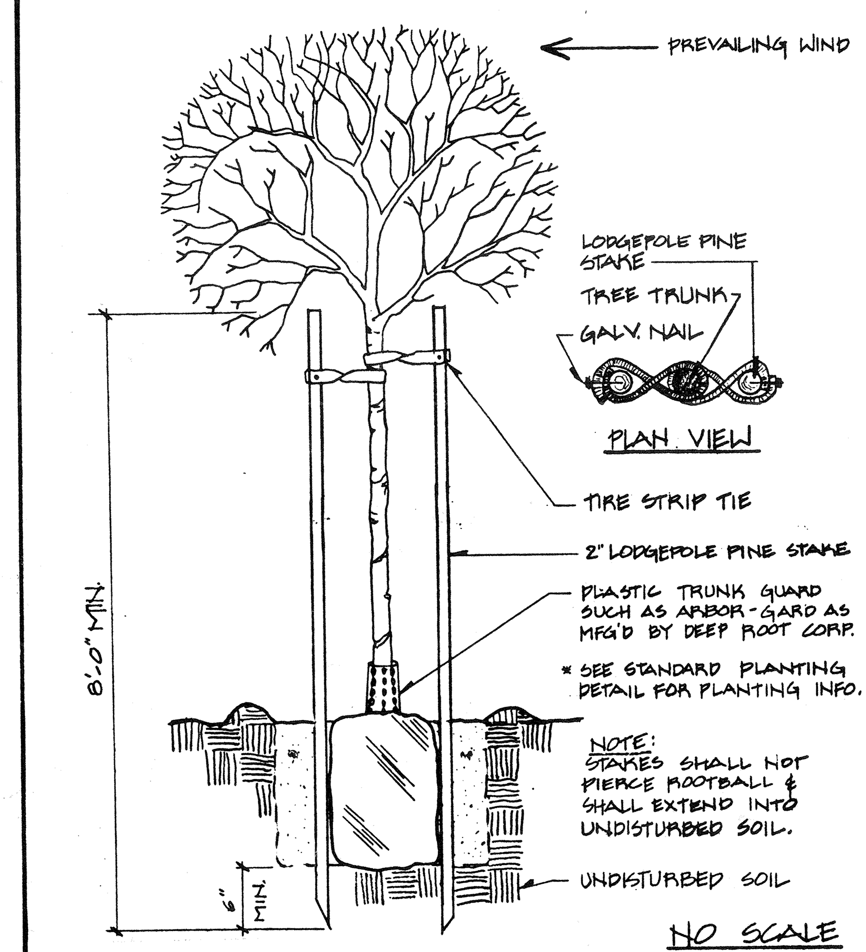
(4)



(3) CONTROLLER



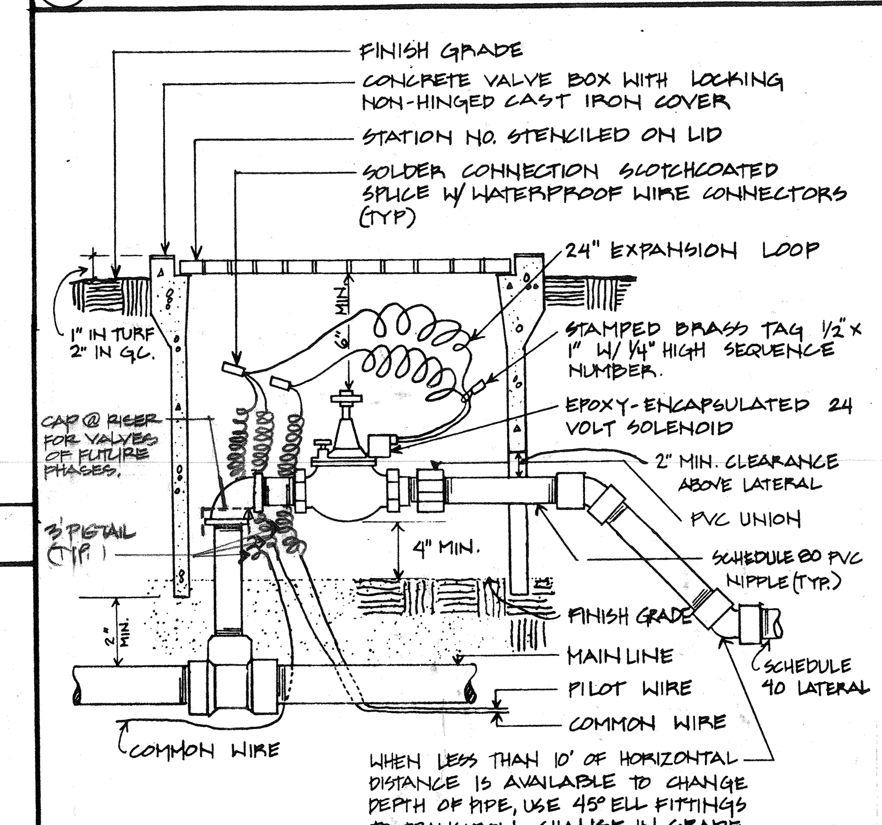
(2) POP-UP TURF HEAD



(1) STAKING DETAIL

(5)

(6)



NOTES: 1) EACH VALVE SHALL HAVE ITS OWN TEE OR ELL CONNECTION TO THE MAINLINE. NO MANIFOLD CONNECTIONS
2) PROVIDE MINIMUM 3' CLEAR DISTANCE BETWEEN VALVES.
3) INSTALL VALVE BOX IN A MANNER THAT BOX DOES NOT REST ON ANY IRRIGATION LINE.

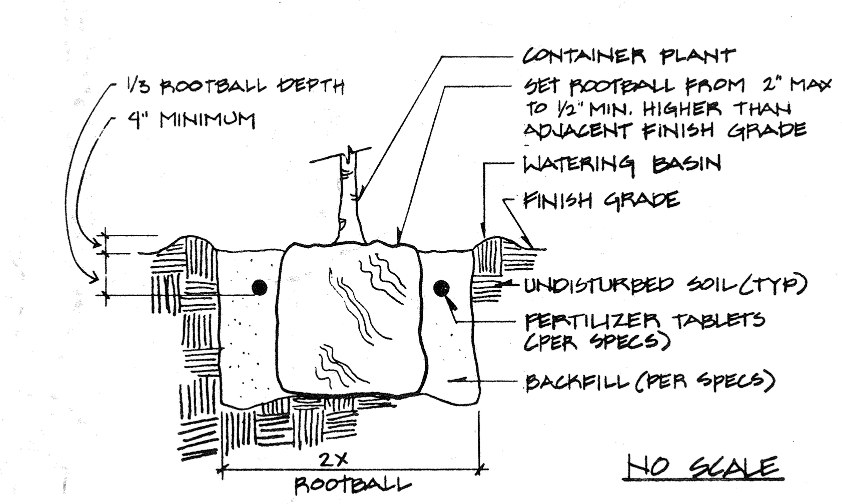
NO SCALE

(7) RC VALVE

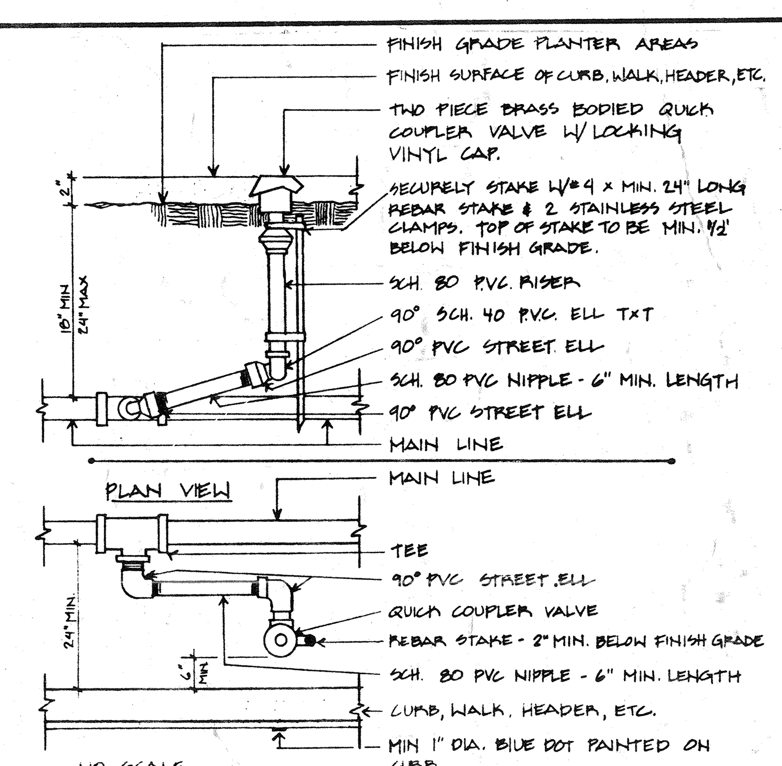
GENERAL PLANTING NOTES

1) Contact the Park Project Inspector at 787-7223 48 hours prior to installing any plant material.
2) Trees planted in turf areas shall be maintained with a minimum 12" radius around tree free from turf throughout the maintenance period.
3) Watering basins may be removed after the maintenance period.
4) For staking information as applicable, refer to standard staking detail.
5) For guying information as applicable, refer to standard guying detail.
6) For specification information, refer to City of Riverside Park and Recreation Department Standard Specifications sections 02480/02401.
7) Provide Fertilizer Tablets as follows:

1 gallon plant	2 tablets
5 gallon plant	3 tablets
15 gallon plant	5 tablets
24" box plant	8 tablets

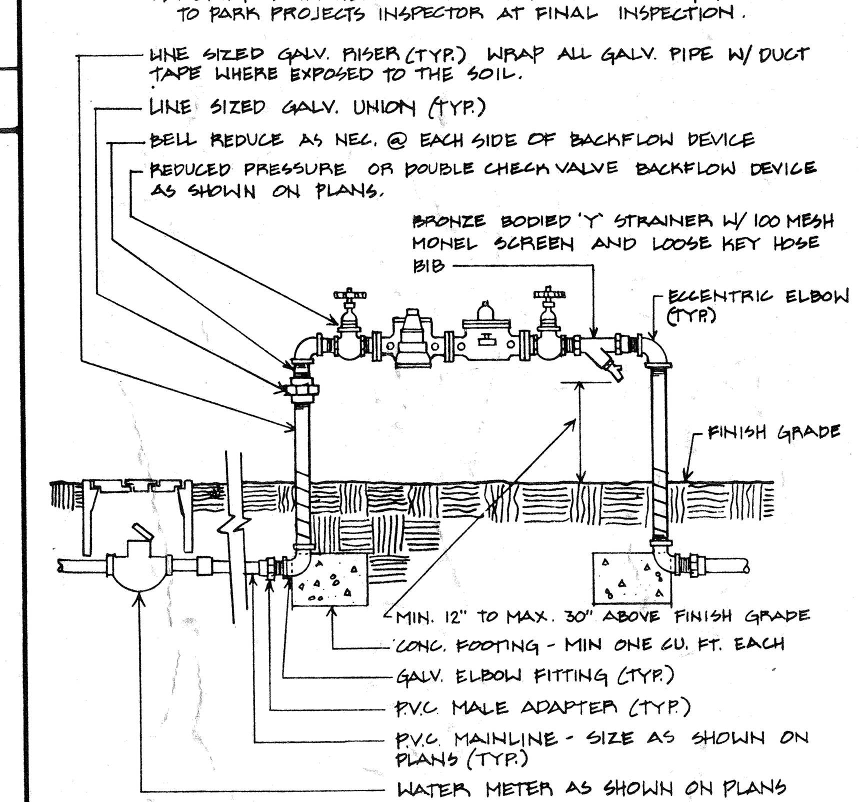


(8) PLANTING DETAIL

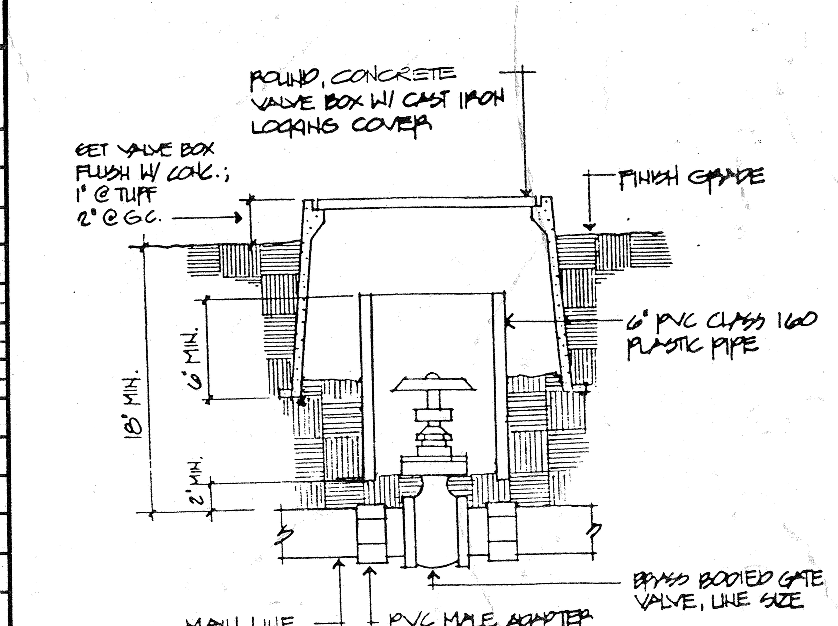


(12) QUICK COUPLER

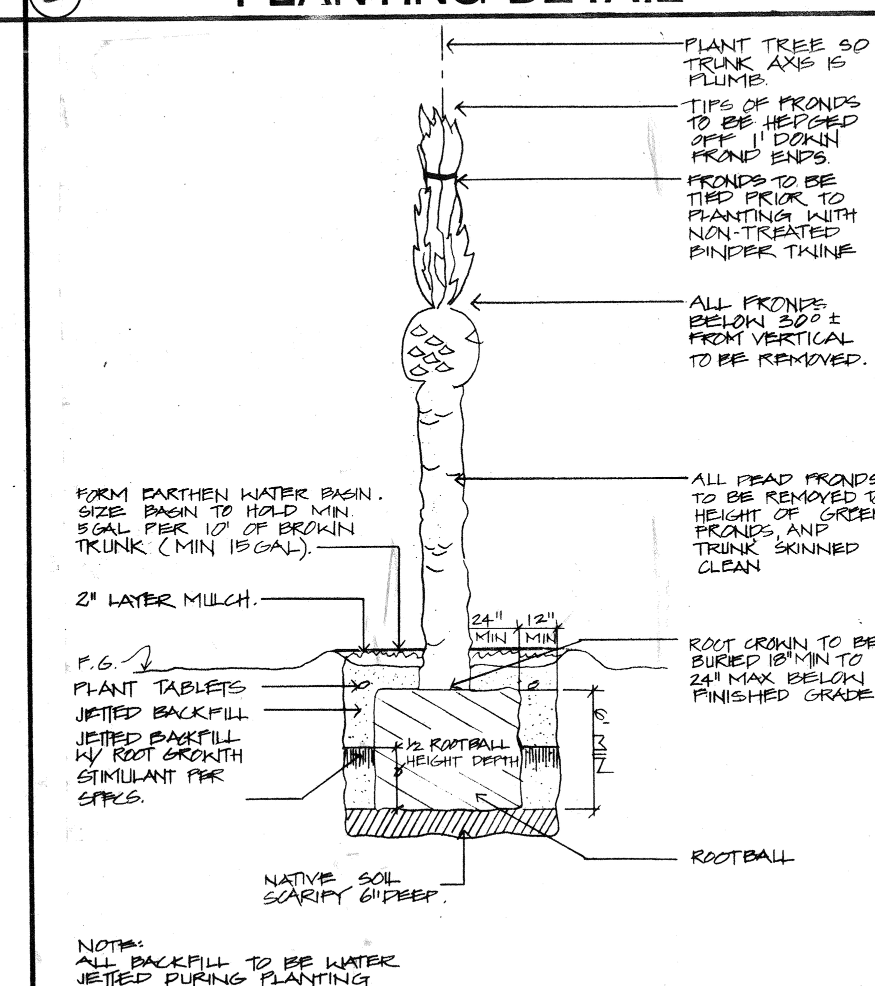
NOTES: 1) INSTALL BACKFLOW DEVICE SQUARE WITH HARDSCAPE ELEMENT AS APPROVED BY THE PARK PROJECTS INSPECTOR IN THE FIELD.
2) MODIFY HANDWHEELS AS DIRECTED OR REMOVE & TURN OVER TO PARK PROJECTS INSPECTOR AT FINAL INSPECTION.



(10) BACKFLOW DEVICE



(11) GATE VALVE



(9) PALM TREE RELOCATION

(13)

IRRIGATION LEGEND

Symbol	Model	Detail	PSI	Radius	Pattern 360°	270°	180°	120°	90°	ARC	Remarks
○ ◐ ◑ ◒	TORO 640 ROTOR F-NOZ 42, H-NOZ 42, Q-NOZ 40	2	50	55'	12.9		12.9		6.7		GEAR ROTOR
⊗ ○ ○ ○ARC	XP300P NOZ 09 F, H, Q, VAR. ARC.	2	40	39'	7.4		3.7		1.9		" "
⊙ ⊙	" " NOZ 05 H, Q	2	40	29'	4.2		2.2		1.1		" "
⊛ ⊛ ⊛	300-00-02 F, H, Q	2	35	21'	2.9		1.4		.7		" "
⊗ ⊗ ⊗	" " -03 F, H, Q	2	35	28'	5.4		2.7		1.4		" "
◦ ◦ ◦	570C-4P LOW GAL F, H, Q	2	30	12'	2.1		1.1		.8		POP-UP
▽ V V	570C-6P LOW GAL F, H, Q	2	30	12'	2.1		1.1		.8		" "
□ □	570C-6P STD GAL H, Q	2	30	15'	4		2		1		" "
• • •	570C-4P STD GAL F, H, Q	2	30	15'	4		2		1		" "
•	TORO 570C-3P FB-100-PC (RESTROOM VINES)	2	40		.95						FLOOD BUBBLER POP-UP
⧓	FEBCO 825YD 3" IRRIG. BFP (1 EA) & FEBCO 825Y 1" DOMESTIC BFP (1 EA) & FEBCO 826Y 2" IRRIG. BFP (1 ea)	10									LOCATION TO BE APPROVED BY PARK PROJ.S INSPECTOR
A B C	TORO NETWORK 8000 SERIES SATELLITE IRRIG. CONTROLLER	3									SEE SPECIFICATIONS
⊕	RAINBIRD EFA-CP REMOTE CONTROL VALVE	7									SIZE NOTED ON PLANS
⋈	NIBCO T-113 GATE VALVE	11									LINE SIZE
●	RAIN BIRD 44 LRC 1" QUICK COUPLER	12									
– – – –	IRRIG. MAINLINE PVC SCH 40 < 2", PVC CL 315 < 3", RING TYPE PVC 3" & GREATER - SIZE NOTED ON PLANS	–									SEE SPECIFICATIONS - 18" MIN. COVER
———	IRRIG. LATERALS PVC CL 200 - SIZE NOTED ON PLANS	–									" " - 12" MIN. COVER
– – – –	DOMESTIC MAINLINE - 1¼" PVC SCH 40	–									18" MIN COVER
======	PVC PIPE & WIRE SLEEVE - SIZE PER PLANS OR 2X PIPE DIAMETER	–									18" MIN COVER & 24" MIN COVER BELOW AC SUBGRADE
—T—	TELEPHONE LINE IN PVC SCH 40 WIRE SLEEVE	–									" " " " " "
—C—	IRRIG. SATELLITE COMMUNICATION CABLE IN 2" SCH 40 PVC CONDUIT W/ PULLBOXES EVERY 250 O.C. MAX - ONE PER CONDUIT	–									" " " " " "
NOT SHOWN	U.F. DIRECT BURIAL CONTROL WIRE, SOLID COPPER, 12 GA COMMON, 14 GA PILOT	–									ROUTE W/ MAINLINE

city of riverside
park & recreation
department
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CITY OF RIVERSIDE
BORDWELL PARK

IRRIGATION AND PLANTING DETAILS

Date:
Revisions:

no	date	by

drawn by

Sheet: 17 of 26

DWG. NO. I-3

PLAN NO. P-0506

ALL WORK THIS SHEET INCLUDES MULTIPLE BID SCHEDULES