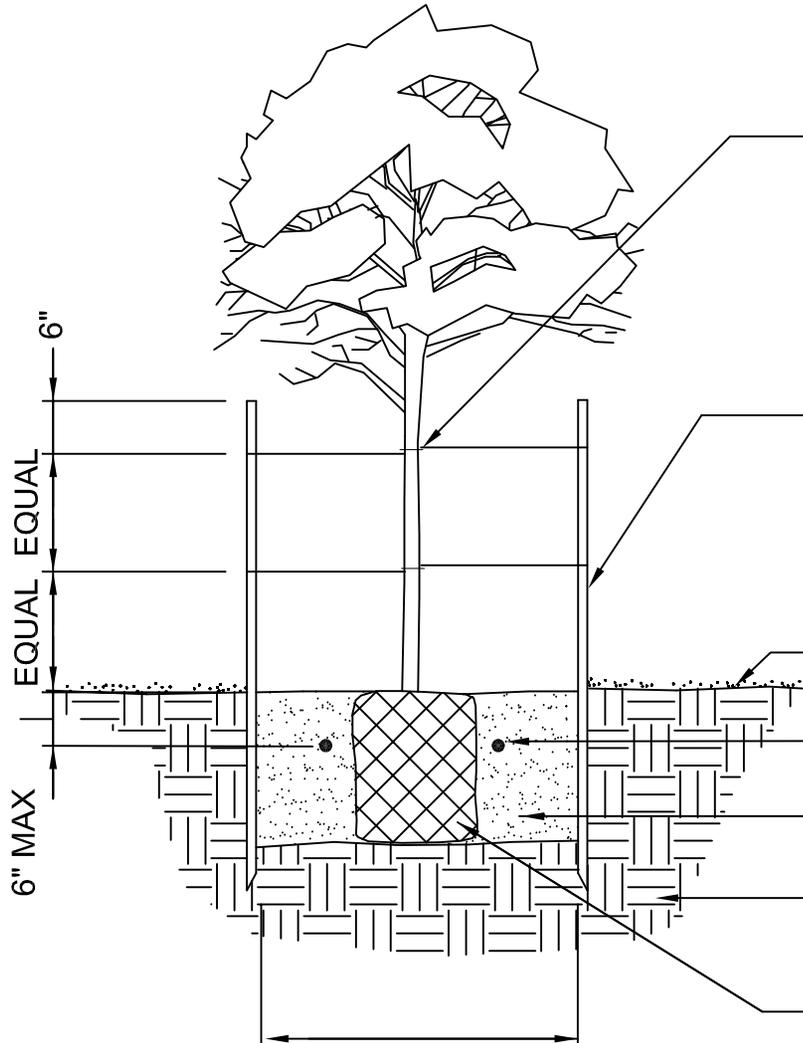


LANDSCAPE SERIES

C-801 TO C-817



1/2" I.D. REINFORCED RUBBER HOSE, MAINTAIN 8" - 12" LOOP. TIE WIRE TO BE 12 AWG DOUBLE STRAND WIRE. WRAP AROUND TREE STAKE AND STAPLE TO HOLD IN PLACE.

2-2" DIA. X 8' LODGEPOLE PINE TREE STAKES

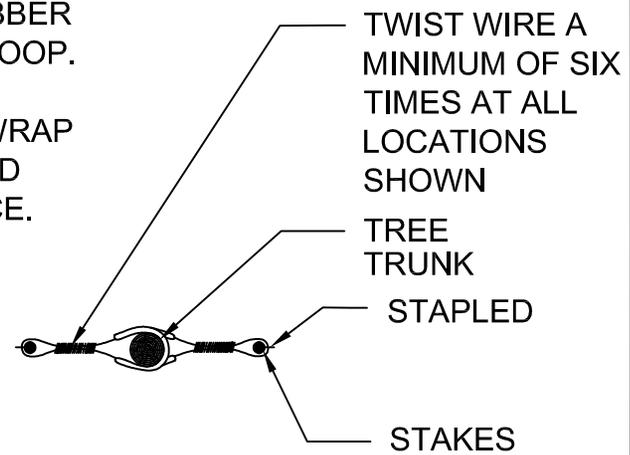
FINISH GRADE
2" DEPTH DG

PLANT TABLET
(SEE SCHEDULE)
BACKFILL MIX
(SEE SCHEDULE)

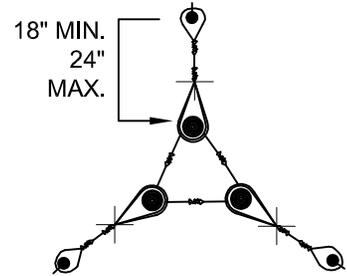
NATIVE SOIL

ROOTBALL

SEE PLANT PIT SCHEDULE



SINGLE-TRUNK



MULTI-TRUNK

PLAN VIEW

- TREE STAKING NOTES-
1. STAKE TREES ONLY IF REQUIRED.
 2. SET STAKES 6" MINIMUM IN UNDISTURBED SOIL.

* Latest Revision February 2012

DETAIL NO.
C- 801
NTS

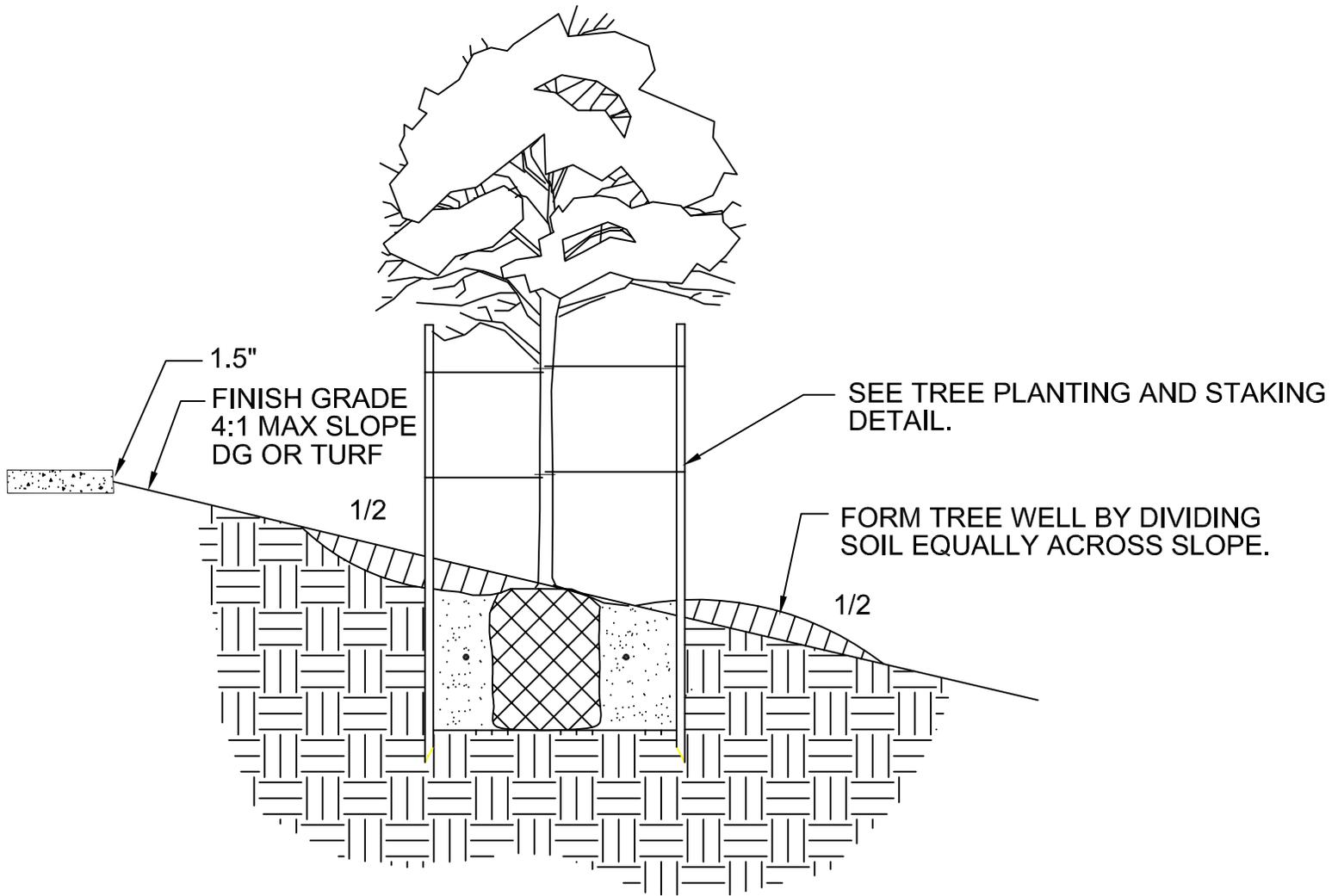


CITY OF
CHANDLER
STANDARD
DETAIL

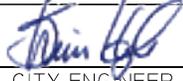
**TREE PLANTING
AND STAKING**

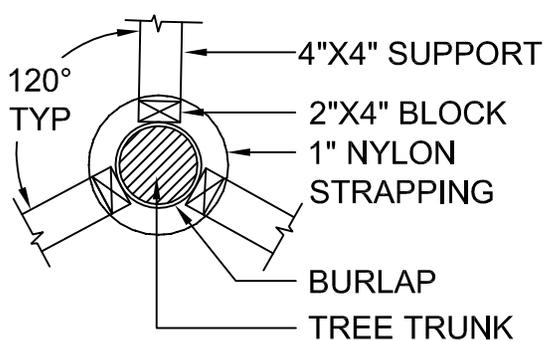
APPROVED: *[Signature]*
CITY ENGINEER
DATE: 02/09/12

DETAIL NO.
C-801



* Latest Revision February 2012

DETAIL NO. C- 802 NTS	 CITY OF CHANDLER STANDARD DETAIL	TREE PLANTING SLOPE	APPROVED:  CITY ENGINEER DATE: <u>02/09/12</u>	DETAIL NO. C-802
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PLAN VIEW

PREPARED BACKFILL, SEE SCHEDULE

4" TYP

45°

SEE SCHEDULE

NOTE:
1. DO NOT BURY TRUNK - MAX 6" DEPTH LOWER THAN ORIGINAL PLANT DEPTH.

TRIM HEADS TO NOT LESS THAN 10 HEALTHY FRONDS. TIE REMAINING FRONDS TOGETHER WITH BIODEGRADABLE TWINE. UNTIE IN 45 TO 60 DAYS OR UPON EVIDENCE OF NEW GROWTH.

3-2"X4" WOOD BLOCKS

2-1" NYLON STRAPPING TO SECURE BLOCKS TO TREE

4"X4" SUPPORT NAILED TO BLOCK AND STAKE (3 SUPPORTS PER TREE)

2"X4"X24" WOOD STAKE

2" DECOMPOSED GRANITE WHERE CALLED FOR

FERTILIZER TABLET SEE SCHEDULE

2-4" DIA. PERFORATED ABS PIPES FILLED WITH 1/2" SIZED PEA GRAVEL AND 1 BUBBLER EACH, SEE BUBBLER DETAIL.

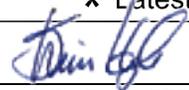
* Latest Revision February 2012

DETAIL NO.
C- 803
NTS

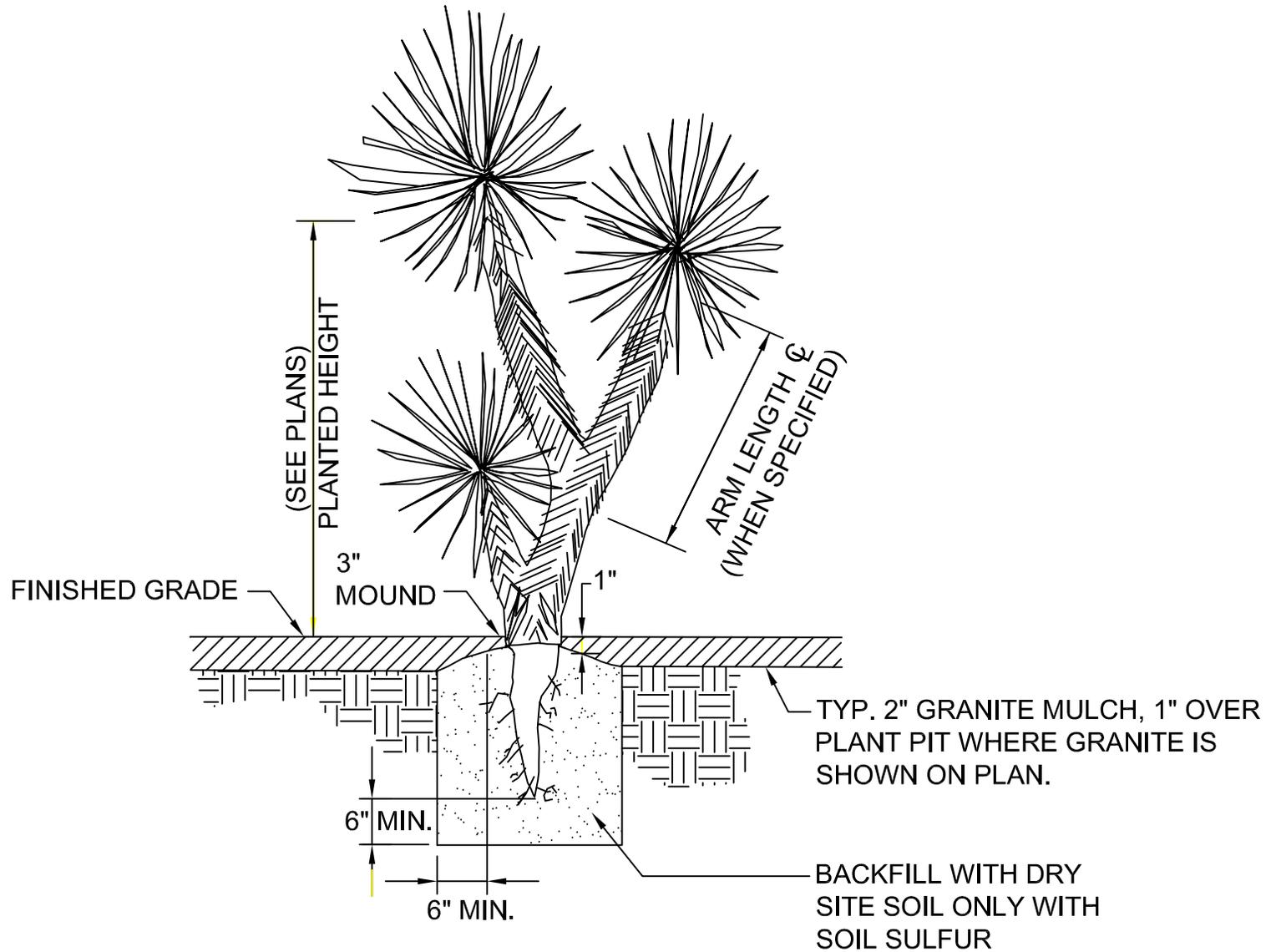


CITY OF
CHANDLER
STANDARD
DETAIL

**PALM PLANTING
AND BRACING**

APPROVED: 
CITY ENGINEER
DATE: 02/09/12

DETAIL NO.
C-803



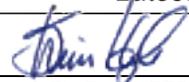
* Latest Revision February 2012

DETAIL NO.
C- 804
NTS

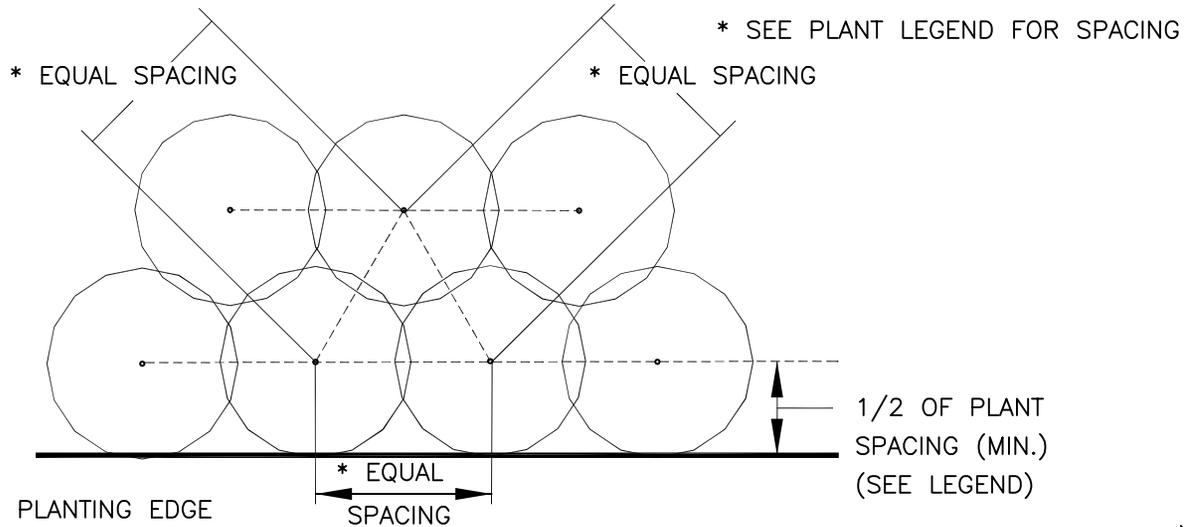


CITY OF
CHANDLER
STANDARD
DETAIL

**CACTUS AND ACCENT
PLANTING**

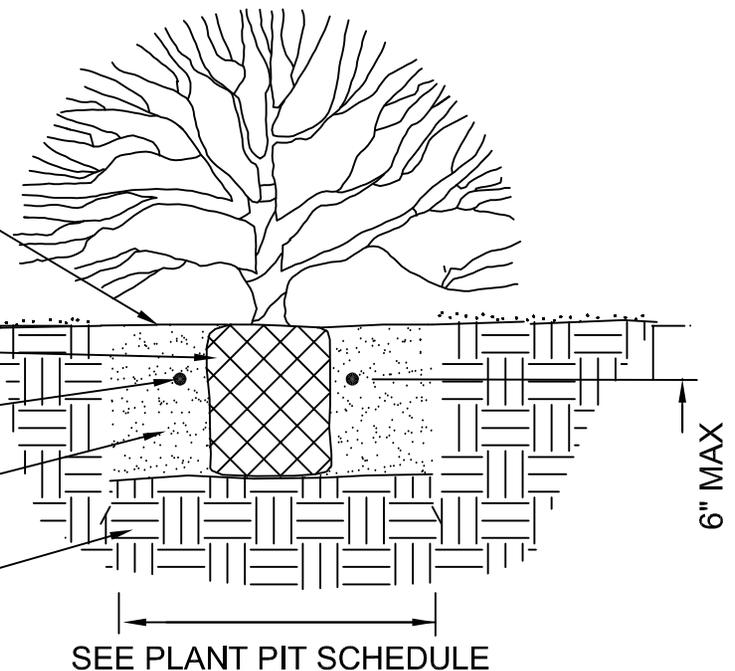
APPROVED: 
CITY ENGINEER
DATE: 02/09/12

DETAIL NO.
C-804



2" DEEP WATERING BASIN SHALL BE GENTLE AND UNIFORM THROUGHOUT WITH NO OBTRUSIVE EDGES (BASIN TO BE SAME DIA. AS PLANT PIT)
 FINISH GRADE, 2" DEPTH DG

ROOTBALL ON UNDISTURBED SOIL
 PLANT TABLET (SEE SCHEDULE)
 BACKFILL MIX (SEE SCHEDULE)
 NATIVE SOIL



* Latest Revision February 2012

DETAIL NO. C- 805 NTS	 CITY OF CHANDLER STANDARD DETAIL	SHRUB AND GROUND COVER PLANTING	APPROVED:  CITY ENGINEER DATE: <u>02/09/12</u>	DETAIL NO. C-805
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**A - PLANTING PIT DIMENSIONS FOR TREES, SHRUBS,
GROUNDCOVERS, CACTUS AND ACCENTS**

<u>PLANT SIZE</u>	<u>WIDTH</u>	<u>DEPTH</u>
1 GALLON	2X's the width of the Root Ball	Same Depth as Root Ball
5 GALLON	2X's the width of the Root Ball	Same Depth as Root Ball
15 GALLON	3X's the width of the Root Ball	Same Depth as Root Ball
24" BOX	3X's the width of the Root Ball	Same Depth as Root Ball
30" BOX	3X's the width of the Root Ball	Same Depth as Root Ball
36" BOX	3X's the width of the Root Ball	Same Depth as Root Ball
48" BOX	3X's the width of the Root Ball	Same Depth as Root Ball

B - PLANT PIT DIMENSIONS FOR PALMS

<u>TRUNK DIAMETER AT GRADE</u>	<u>MINIMUM DIAMETER PLANTING PIT</u>	<u>MINIMUM DEPTH PLANTING PIT</u>
12 - 24"	48"	42"
25 - 32"	56"	44"
33 - 36"	60"	48"

**C - PLANT TABLET SCHEDULE FOR TREES, SHRUBS,
CACTUS, ACCENTS AND PALMS**

TREES, SHRUBS, CACTUS AND ACCENTS

1 GALLON	1 TABLET
5 GALLON	2 TABLETS
15 GALLON	4 TABLETS
24" BOX	6 TABLETS
36" BOX	8 TABLETS
48" BOX	10 TABLETS

PALMS

1 TABLET PER 2 FEET OF TRUNK HEIGHT

D - BACKFILL MIX

TREES AND SHRUBS

3 PARTS EXCAVATED TOPSOIL
1 PART SAND
PLANT TABLETS PER SCHEDULE C

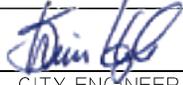
CACTUS AND ACCENTS

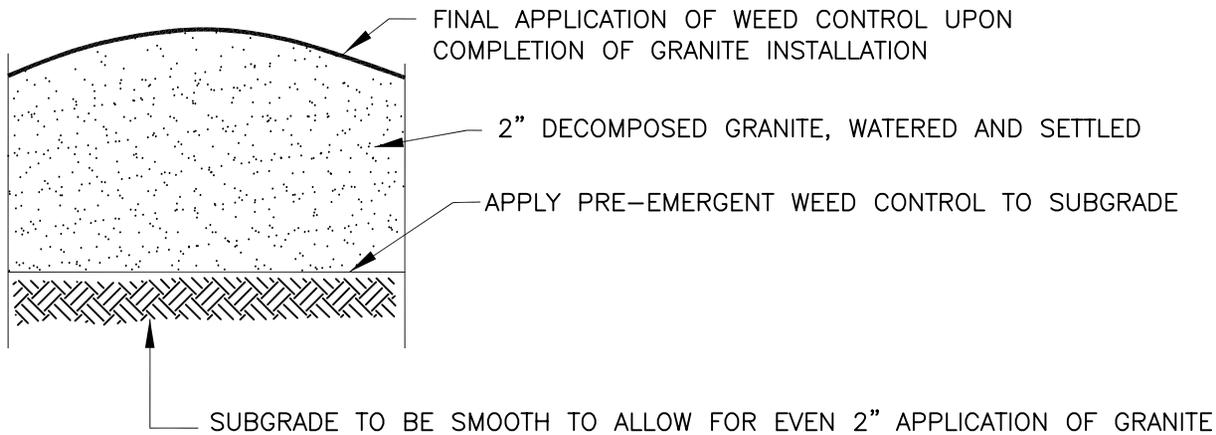
1 PART EXCAVATED TOPSOIL
1 PART SAND
PLANT TABLETS PER SCHEDULE C

PALMS

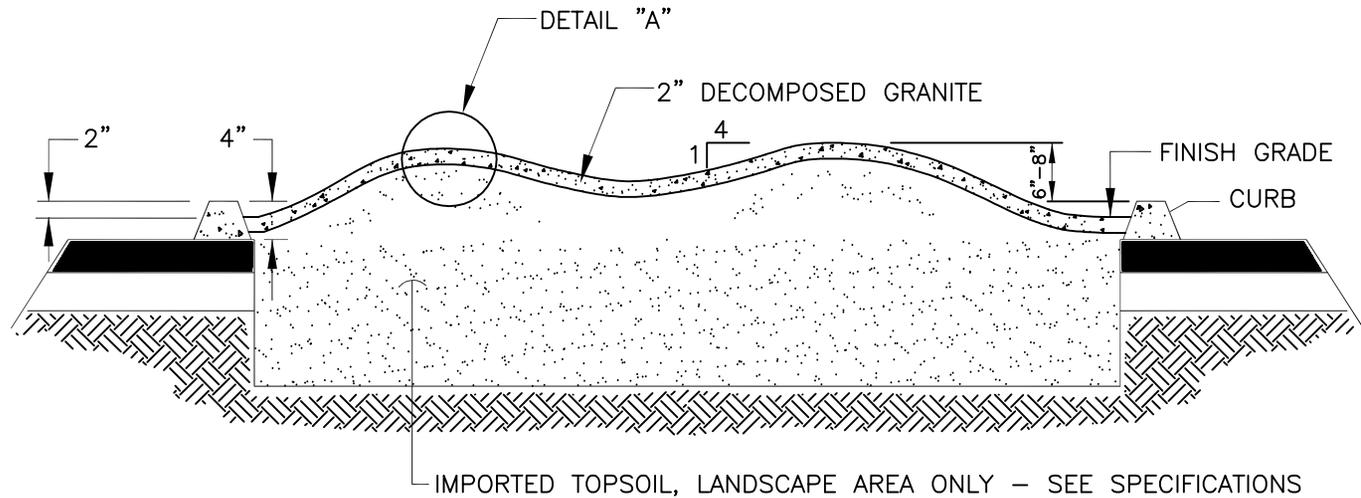
PALM TREE BACKFILL SHALL BE 100% SAND.
PLANT TABLETS PER SCHEDULE C

* Latest Revision February 2012

DETAIL NO. C- 806 NTS	 CITY OF CHANDLER STANDARD DETAIL	PLANT PIT SCHEDULE	APPROVED:  CITY ENGINEER DATE: 02/09/12	DETAIL NO. C-806
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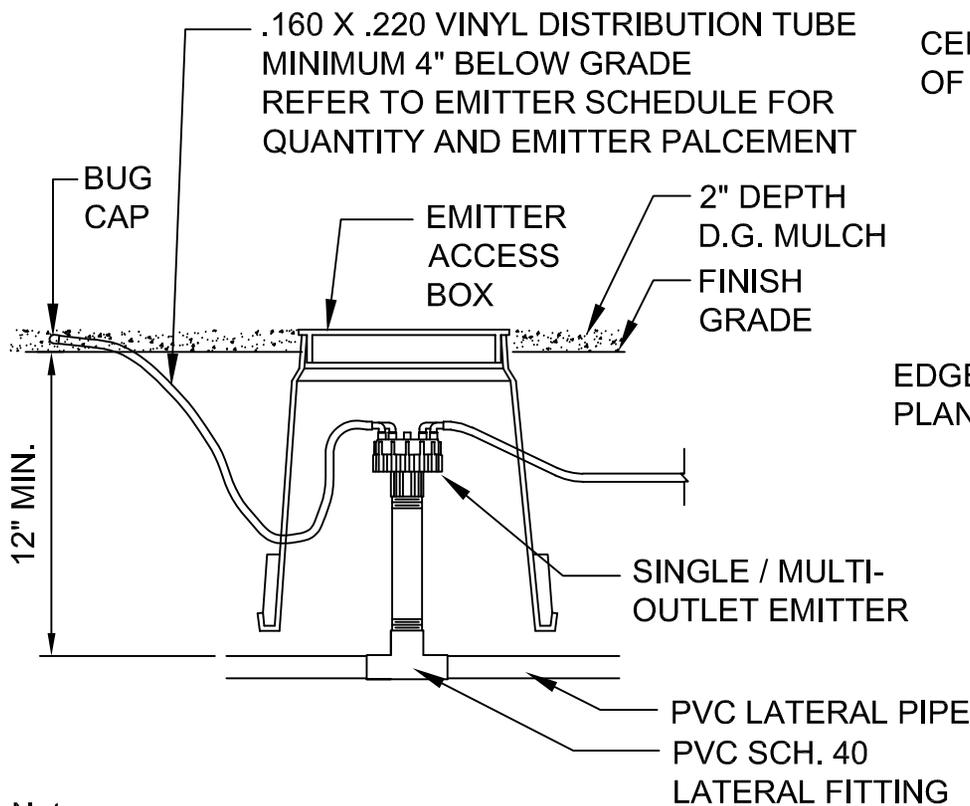


A GRANITE DETAIL



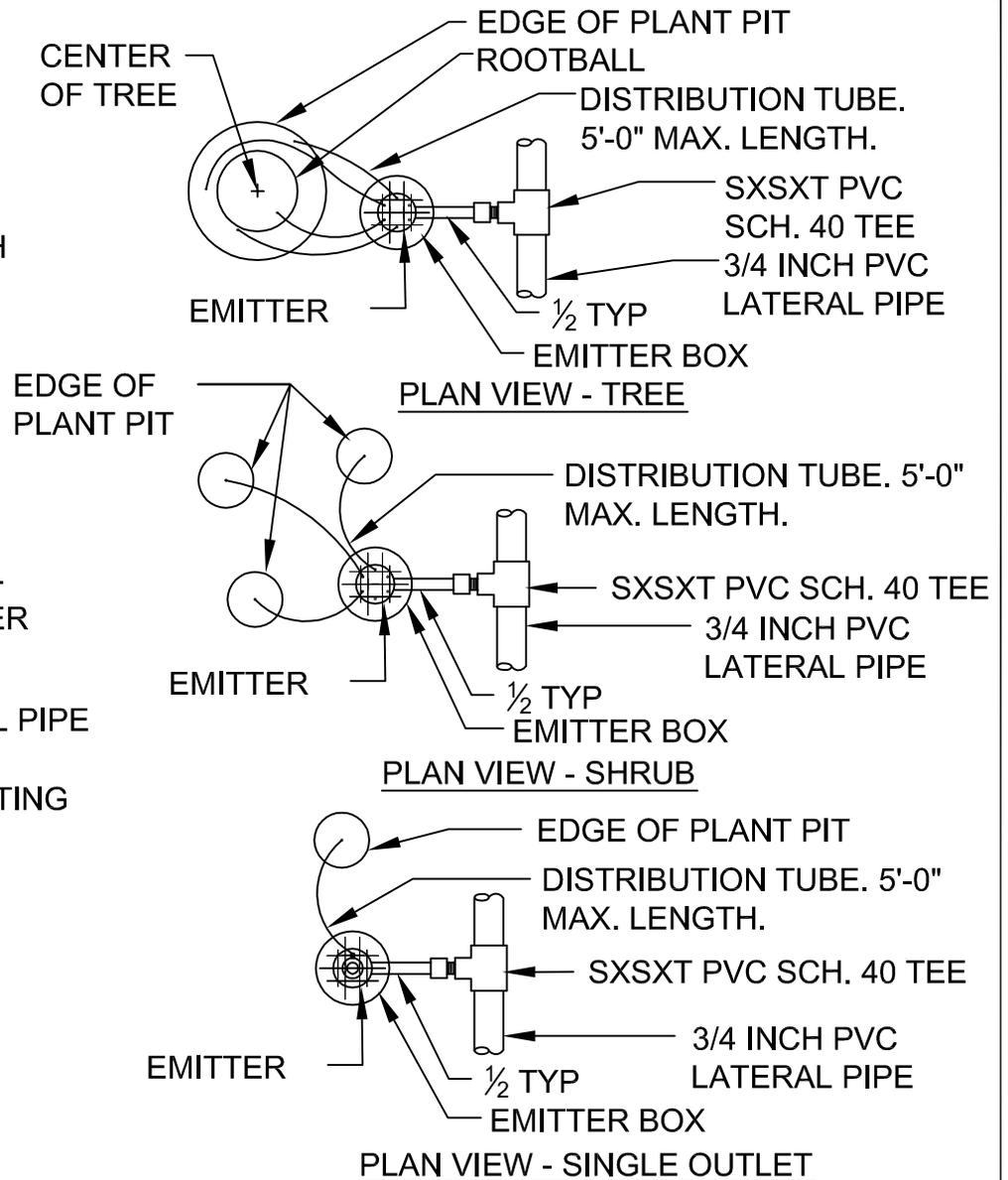
* Latest Revision February 2012

DETAIL NO. C- 807 NTS	 CITY OF CHANDLER STANDARD DETAIL	MEDIAN	APPROVED: <u><i>Devin Ely</i></u> CITY ENGINEER DATE: <u>02/09/12</u>	DETAIL NO. C-807
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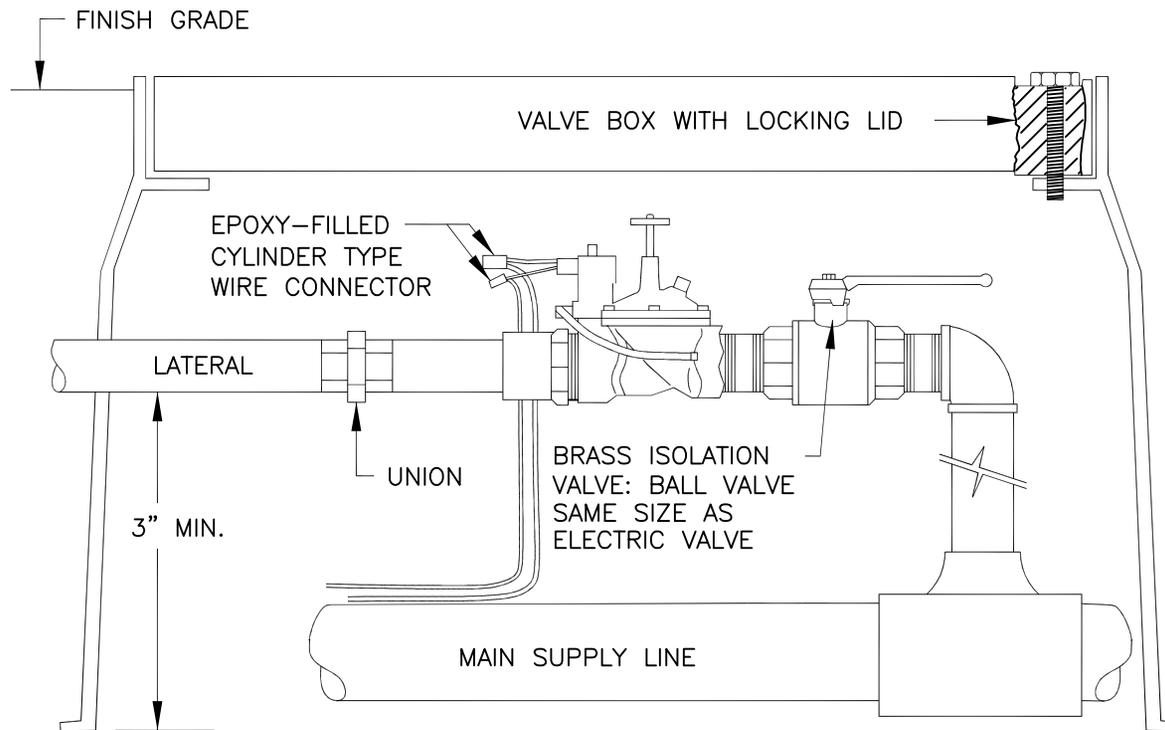
Notes:

1. Emission points shall be located uphill of plant centerline and shall deliver water directly to root ball (typ.)
2. At least one emitter tube outlet shall be located within 4" of plant centerline.
3. All basins 2" deep. Basins to be same level as plant pit.
4. Place emitter so that top edge of emitter is visible above finished grade
5. Number of openings and emitter tubes required per plant is based on plant size. See Emitter Schedule.



* Latest Revision February 2012

DETAIL NO. C- 808 NTS	 CITY OF CHANDLER STANDARD DETAIL	EMITTER ACCESS BOX AND EMITTER LAYOUT	APPROVED:  CITY ENGINEER DATE: 02/09/12	DETAIL NO. C-808
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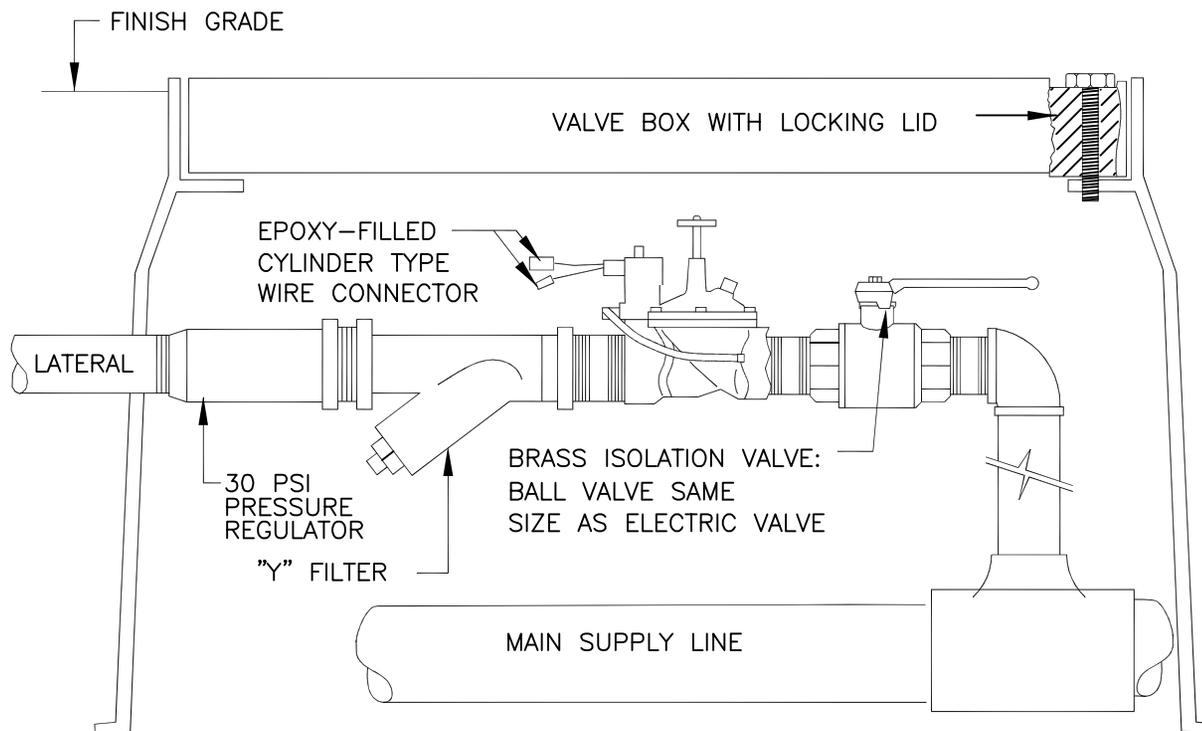


NOTES:

1. PROVIDE EXPANSION COILS AT EACH WIRE CONNECTION.
2. QUICK COUPLERS SHALL BE IN SEPERATE VALVE BOXES.
3. PEA GRAVEL SHALL BE 4" TO 6" IN DEPTH UNDER VALVE BOX.
4. ALL PVC THREADED FITTINGS SHALL BE SCHEDULE 80.

* Latest Revision February 2012

DETAIL NO. C- 809 NTS	 CITY OF CHANDLER STANDARD DETAIL	REMOTE CONTROL ELECTRIC VALVE TURF	APPROVED: <u><i>Devin Lyle</i></u> CITY ENGINEER DATE: <u>02/09/12</u>	DETAIL NO. C-809
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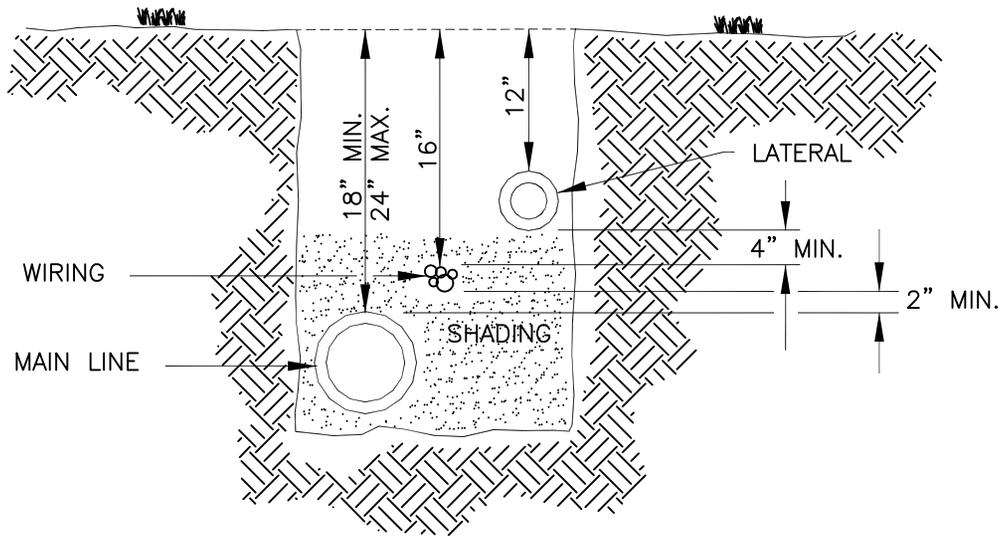


NOTES:

1. PROVIDE EXPANSION COILS AT EACH WIRE CONNECTION.
2. QUICK COUPLERS SHALL BE IN SEPERATE VALVE BOXES.
3. PEA GRAVEL SHALL BE 4" TO 6" IN DEPTH UNDER VALVE BOX.

* Latest Revision February 2012

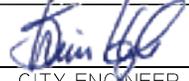
DETAIL NO. C- 810 NTS	 CITY OF CHANDLER STANDARD DETAIL	REMOTE CONTROL ELECTRIC VALVE DRIP	APPROVED:  CITY ENGINEER DATE: 02/09/12	DETAIL NO. C-810
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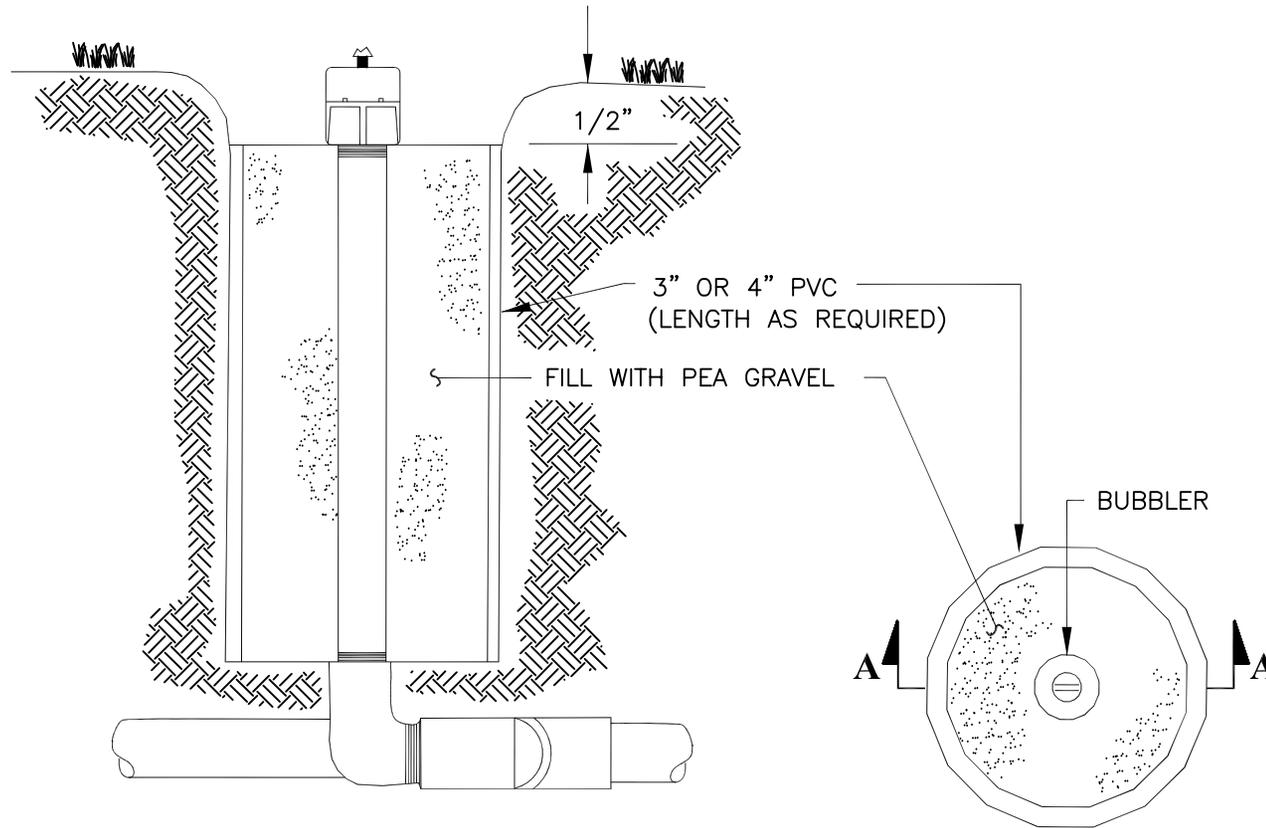


NOTES:

1. ALL PIPE INSTALLATION, TRENCH EXCAVATION, BACKFILLING AND COMPACTION SHALL CONFORM WITH MAG SEC. 440 AND 601.
 2. TAPE AND BUNDLE WIRING AT 10 FEET INTERVALS.
 3. SHADING SHALL BE DONE WITH NATIVE SOIL.
 4. DEPTH DIMENSION MAY VARY WHERE INDICATED ON IRRIGATION PLAN.
 5. ALL PIPE INSTALLED UNDER PAVED SURFACES SHALL BE PLACED IN PVC SLEEVING, 2 TIMES THE NOMINAL SIZE OF THE PIPE*.
- *ALL IRRIGATION WORK WITHIN THE PUBLIC R.O.W. REQUIRES A SEPARATE PERMIT.

* Latest Revision February 2012

DETAIL NO. C- 811 NTS	 CITY OF CHANDLER STANDARD DETAIL	IRRIGATION TRENCH	APPROVED:  CITY ENGINEER DATE: 02/09/12	DETAIL NO. C-811
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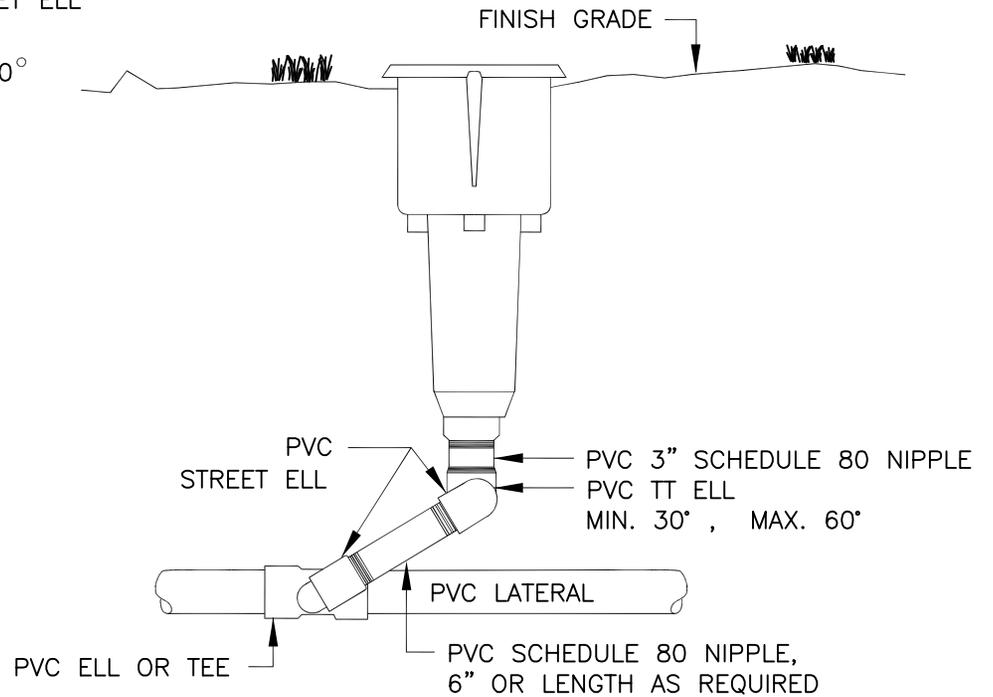
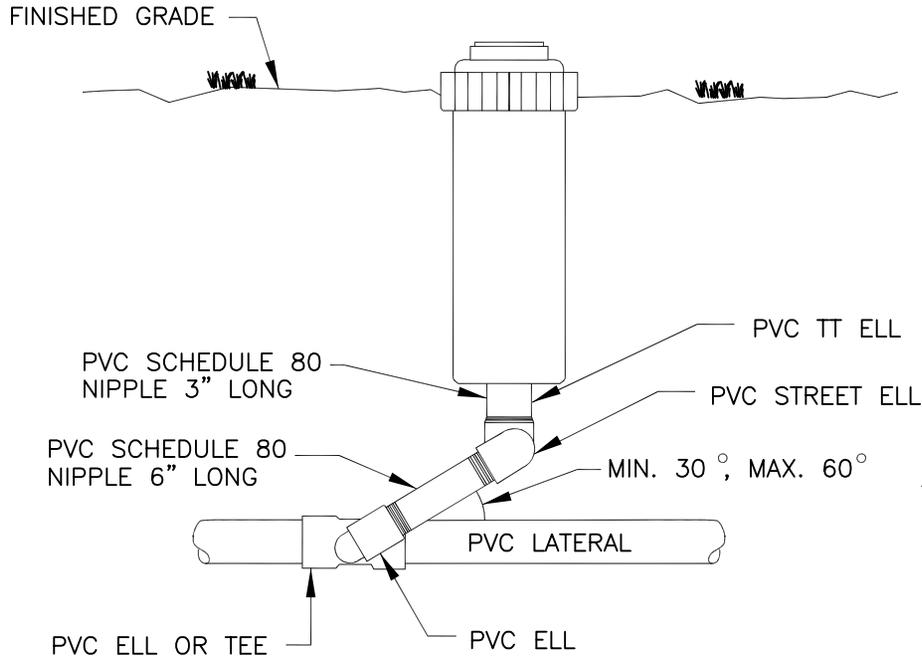


SECTION A - A

PLAN

* Latest Revision February 2012

DETAIL NO. C- 812 NTS	 CITY OF CHANDLER STANDARD DETAIL	BUBBLER	APPROVED: <u><i>Devin Liff</i></u> CITY ENGINEER DATE: <u>02/09/12</u>	DETAIL NO. C-812
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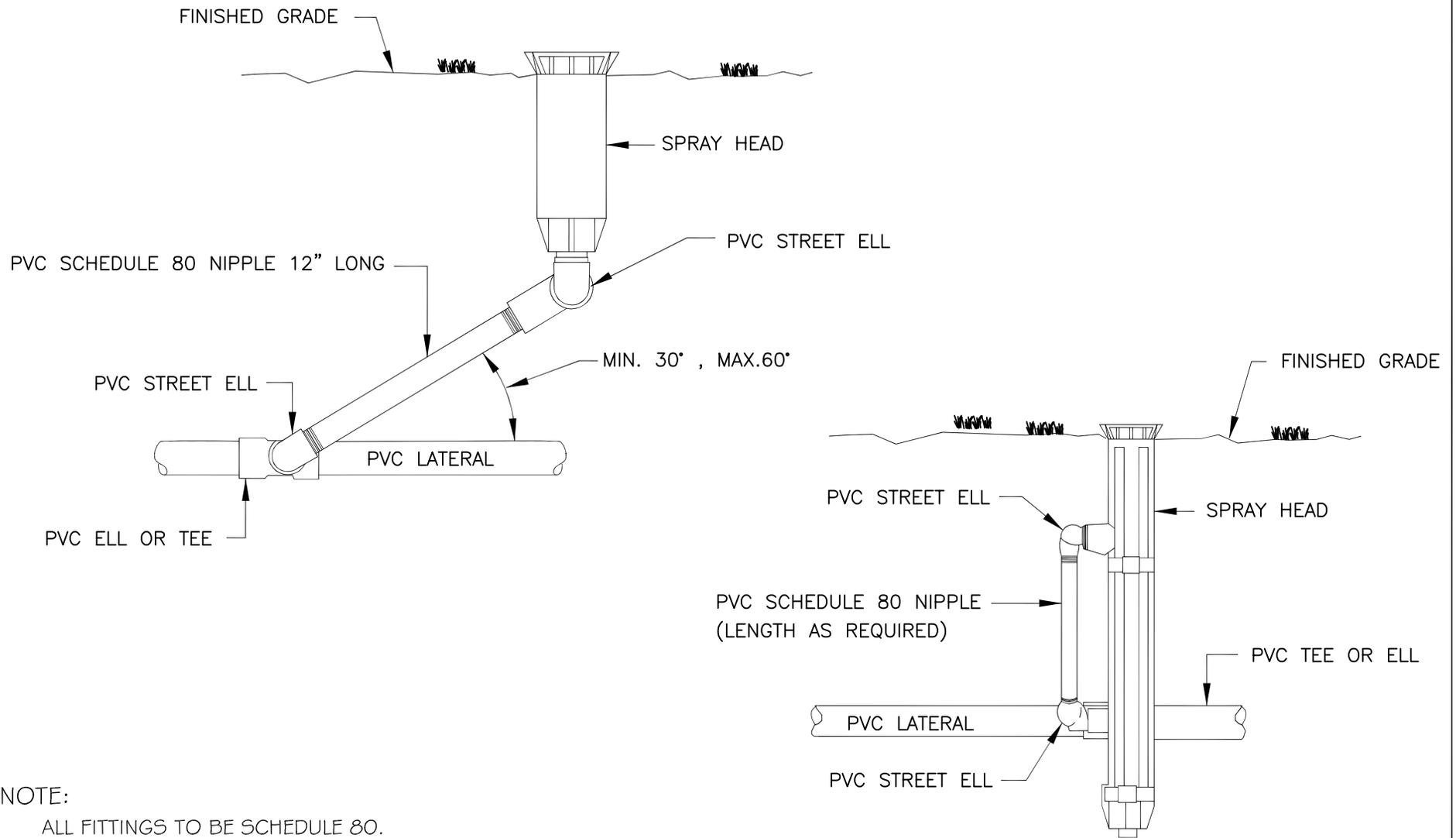


NOTES:

1. INSTALL SPRINKLER 1" ABOVE GRADE UNTIL TURF IS ESTABLISHED THEN ADJUST FLUSH TO GRADE.
2. ALL FITTINGS TO BE SCHEDULE 80.

* Latest Revision February 2012

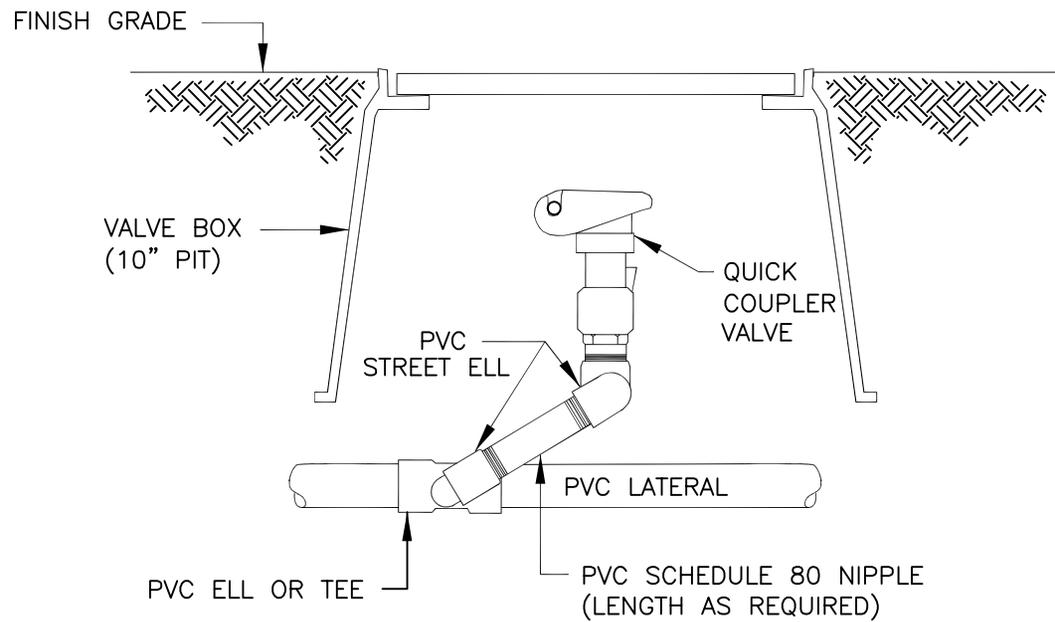
DETAIL NO. C- 813 NTS	 CITY OF CHANDLER STANDARD DETAIL	GEAR-DRIVEN POP-UP ROTOR	APPROVED:  CITY ENGINEER DATE: 02/09/12	DETAIL NO. C-813
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NOTE:
ALL FITTINGS TO BE SCHEDULE 80.

* Latest Revision February 2012

DETAIL NO. C- 814 NTS	 CITY OF CHANDLER STANDARD DETAIL	POP-UP SPRAY HEAD	APPROVED:  CITY ENGINEER DATE: 02/09/12	DETAIL NO. C-814
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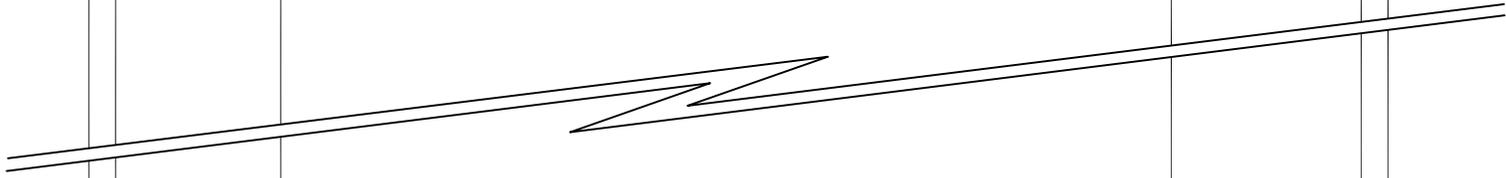
NOTES:

1. EACH QUICK COUPLER SHALL BE IN A SEPERATE VALVE BOX.
2. PROVIDE ONE (1) QUICK COUPLER KEY FOR EACH QUICK COUPLER VALVE.
3. PLACE 4" TO 6" DEPTH PEA GRAVEL UNDER VALVE BOX.
4. QUICK COUPLER SHALL HAVE LOCKING RUBBER COVER.

* Latest Revision February 2012

DETAIL NO. C- 815 NTS	 CITY OF CHANDLER STANDARD DETAIL	QUICK COUPLER	APPROVED:  CITY ENGINEER DATE: 02/09/12	DETAIL NO. C-815
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IRRIGATION LEGEND

SYMBOL	MFG. AND DESCRIPTION	QUANTITY
		

FRICTION LOSS

PRESSURE AT SOURCE _____ **P.S.I.**

PRESSURE VERIFIED WITH CITY _____ **P.S.I.**

FRICTION LOSS THROUGH: (TO FARTHEST HEAD)

WATER METER _____ **P.S.I.**

VACUUM BREAKER _____ **P.S.I.**

MAIN LINE PIPE _____ **P.S.I.**

VALVE _____ **P.S.I.**

LATERAL LINE PIPE _____ **P.S.I.**

TOTAL FRICTION LOSS _____ **P.S.I.**

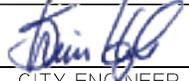
REQUIRED PRESSURE AT HEAD _____ **P.S.I.**

(TOTAL FRICTION LOSS)+(REQUIRED P.S.I. AT HEAD) = PRESSURE REQUIRED AT SOURCE _____ **P.S.I.**

CALCULATIONS PERFORMED BY _____

SIGNED _____ **DATE** _____

* Latest Revision February 2012

DETAIL NO. C- 816 NTS	 CITY OF CHANDLER STANDARD DETAIL	TYPICAL IRRIGATION LEGEND AND INFORMATION	APPROVED:  CITY ENGINEER DATE: 02/09/12	DETAIL NO. C-816
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A - EMITTER SCHEDULE FOR TREES, SHRUBS, GROWDCOVERS AND ACCENTS

<u>PLANT SIZE</u>	<u>TYPE OF EMITTER</u>	<u>NUMBER OF EMITTERS</u>	<u>GALLONS PER HOUR PER PLANT</u>
1 GALLON	SINGLE OR MULTI	1	.6 or 1
5 GALLON	SINGLE OR MULTI	1	.6 or 1
15 GALLON	MULTI	4	4
24" BOX	MULTI	4	4
30" BOX	MULTI	6	6
36" BOX	MULTI	6	6
48" BOX	MULTI	6	6

B - BUBBLER SCHEDULE FOR PALMS

<u>TRUNK DIAMETER AT GRADE</u>	<u>NUMBER OF BUBBLERS</u>
12 - 24"	2
25 - 32"	2
33 - 36"	2

C - CACTUS

DO NOT PROVIDE IRRIGATION TO CACTUS

NOTES:

1. REFER TO EMITTER AND BUBBLER DETAILS FOR SPECIFICATIONS AND LAYOUT INFORMATION.
2. ADJUST IRRIGATION OPERATING TIMES TO ACCOMMODATE PLANT MATURITY, SOIL TYPE, PLANT EXPOSURE AND SEASONAL REQUIREMENTS.

* Latest Revision February 2012

DETAIL NO. C- 817 NTS	 CITY OF CHANDLER STANDARD DETAIL	<p align="center">EMITTER-BUBBLER SCHEDULE</p>	APPROVED:  CITY ENGINEER DATE: 02/09/12	DETAIL NO. C-817
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