

## SCOTTSDALE CITY NOTES

1. NO PLANT SUBSTITUTIONS, TYPE OR QUALITY DEVIATIONS FROM THE APPROVED LANDSCAPE OR IRRIGATION PLANS WITHOUT PRIOR APPROVAL.
2. AREAS OF DECOMPOSED GRANITE WITHOUT PLANT MATERIALS SHALL NOT EXCEED DIMENSIONS OF MORE THAN 7 FEET IN ANY ONE DIRECTION, MEASURE BETWEEN PLANT CANOPIES AND/OR COVERAGE.
3. NEW LANDSCAPING, INCLUDING SALVAGEABLE PLANT MATERIAL, AND LANDSCAPE INDICATED TO REMAIN, WHICH IS DESTROYED, DAMAGED, OR EXPIRES DURING CONSTRUCTION SHALL BE REPLACED WITH LIKE SIZE, KIND, AND QUANTITY PRIOR TO ISSUANCE OF CERTIFICATE OF OCCUPANCY / LETTER OF ACCEPTANCE TO SATISFACTION OF INSPECTION STAFF.
4. RETENTION/ DETENTION BASINS SHALL BE CONSTRUCTED SOLELY FROM THE APPROVED CIVIL PLANS. ANY ALTERATIONS OF THE APPROVED DESIGN (ADDITIONAL FILL, BOULDERS, ETC.) SHALL REQUIRE ADDITIONAL FINAL PLANS CITY STAFF REVIEW AND APPROVAL.
5. UPON REMOVAL OF SALVAGEABLE NATIVE PLANTS, THE SALVAGE CONTRACTOR SHALL SUBMIT A COMPLETED NATIVE PLANT TRACKING FORM AND LIST IDENTIFYING TAG NUMBER OF PLANTS SURVIVING SALVAGE OPERATIONS TO CITY'S PLANNING INSPECTOR WITHIN 3 MONTHS FROM THE BEGINNING OF SALVAGE OPERATIONS AND/OR PRIOR TO ISSUANCE OF CERTIFICATE OF OCCUPANCY.
6. SINGLE TRUNK TREE CALIPER EQUAL TO OR LESS THAN 4", ARE DETERMINED BY THE SMALLEST DIA. OF THE TRUNK 6" ABOVE ADJACENT FINISH GRADE. SINGLE TRUNK TREE CALIPER GREATER THAN 4", ARE DETERMINED BY THE SMALLEST DIA. OF THE TRUNK 12" ABOVE ADJACENT FINISH GRADE. MULTI-TRUNK TREES ARE DETERMINED 6" ABOVE THE TRUNK'S SPLIT OR OR 6" ABOVE GRADE IF ALL TRUNKS ORIGINATE FROM THE SOIL.
7. OBTAIN REQUIRED COUNTY DUST CONTROL PERMIT.
8. OBTAIN REQUIRED SEPARATE PERMIT AND APPROVALS FOR SIGNAGE, POOL AND WATERFEATURE.
9. ANY EXISTING TREES DISTURBED OR DESTROYED AS A RESULT OF CONSTRUCTION SHALL BE RELOCATED OR REPLACED WITH MATERIAL OF LIKE TYPE, SIZE, AND QUANTITY.
10. AREAS WITHIN THE SIGHT DISTANCE EASEMENTS SHALL BE KEPT CLEAR OF LANDSCAPING AND OTHER VISIBLE OBSTRUCTIONS BETWEEN THE HEIGHT OF 2'-0" TO 7'-0". TREES WITHIN THIS AREA SHALL HAVE CANOPIES TRIMMED TO A HEIGHT OF 7'-0" UPON INSTALLATION.
11. SET BACK SPRAY AND STREAM TYPE IRRIGATION HEADS 1'-0" FROM BACK OF CURB, SIDEWALK, AND/OR DRIVEWAY TO REDUCE OVER SPRAY. ALTERNATIVES TO ACHIEVE SIMILAR RESULTS SHALL BE APPROVED BY CITY PROJECT REVIEW STAFF.
12. PRIOR TO THE ESTABLISHMENT OF WATER SERVICE, NONRESIDENTIAL PROJECTS WITH AN ESTIMATED ANNUAL WATER DEMAND OF TEN (10) ACRE-FOOT OR MORE SHALL SUBMIT A CONSERVATION PLAN IN CONFORMANCE WITH SECTION 49-82 OF THE CITY CODE TO THE WATER CONSERVATION OFFICE.
13. ALL RIGHT-OF-WAY ADJACENT TO THIS PROPERTY TO BE LANDSCAPED AND MAINTAINED BY PROPERTY OWNER.
14. THE LANDSCAPE SPECIFICATION SECTION(S) ARE NOT REVIEWED AND NOT PART OF THE CITY OF SCOTTSDALE'S APPROVAL.
15. ALL REVEGETATED NAOS TO BE WATERED FOR 3 YEARS AND THEN PERMANENTLY DISCONNECTED.
16. A MINIMUM OF 50% TREES TO BE MATURE PER CITY ZONING ORDINANCE ARTICLE X, SECTION 10.301 AS DEFINED IN THE CITY ZONING ORDINANCE ARTICLE III, SECTION 3.100.
17. NAOS AREAS ARE REGULATED BY THE LIMITS OF CONSTRUCTION PROTECTION PROGRAM (LOC).
18. NO BUILDING, GRADING, OR CONSTRUCTION ACTIVITY SHALL ENCROACH INTO AREAS DESIGNATED AS NAOS, OR OUTSIDE THE DESIGNATED LIMITS OF CONSTRUCTION ENVELOPE.
19. ALL NAOS AREA OUTSIDE OF THE LOC SHALL BE PROTECTED FROM DAMAGE PRIOR TO, AND DURING CONSTRUCTION BY THE FOLLOWING METHODS:
  - a. A REGISTERED LAND SURVEYOR SHALL STAKE ALL NAOS AND LOC DISTURBANCE BASED ON THIS EXHIBIT.
  - b. ± THREE (3) FOOT TALL STEEL REBAR, OR CITY OF SCOTTSDALE INSPECTION SERVICES APPROVED SIMILAR, SHALL BE SET ALONG THE NAOS AND LOC, AND CONNECTED WITH GOLD ROPING BY THE CONTRACTOR PRIOR TO ANY CLEARING OR GRADING.
  - c. ALL CACTUS SUBJECT TO THE CITY OF SCOTTSDALE'S NATIVE PLANT ORDINANCE DIRECTLY ADJACENT, WITHIN TWO FEET, OF THE NAOS AND LOC LINE SHALL BE FENCED WITH WIRE FENCING TO PREVENT DAMAGE.
  - d. THE STACKING, ROPING, AND FENCING SHALL BE MAINTAINED INTACT BY THE CONTRACTOR DURING THE DURATION OF THE CONSTRUCTION ACTIVITY.
20. THE CONTRACTOR SHALL REMOVE STAKING, ROPING, AND FENCING AFTER RECEIPT OF THE LETTER OF ACCEPTANCE/CERTIFICATE OF OCCUPANCY FROM THE CITY OF SCOTTSDALE FOR ALL CONSTRUCTION WORK.
21. NO LIGHTING IS APPROVED WITH THE SUBMITTAL.
22. ALL SIGNS REQUIRE SEPARATE PERMITS AND APPROVALS.
23. NO IRRIGATION SHALL BE PROVIDED TO UNDISTURBED NATURAL AREA OPEN SPACE (NAOS) AREAS.
24. NO TREES, SHRUBS, OR WALLS WITHIN A 5'-0" RADIUS OF ALL FIRE DEPARTMENT CONNECTIONS AND FIRE HYDRANTS.

## IRRIGATION NOTES

1. IRRIGATION PLAN IS DIAGRAMATIC. ADJUST LOCATION OF VALVES TO PROVIDE FULL AND ADEQUATE COVERAGE OR ADD VALVES AS NECESSARY TO ENSURE 100% COVERAGE OF PLANT MATERIALS.
2. THE IRRIGATION SYSTEM HAS BEEN DESIGNED FOR 65 PSI. VERIFY THE WATER PRESSURE IN THE FIELD AND NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY SHOULD A DISCREPANCY EXIST.
3. SIZE PIPE ACCORDING TO PIPE SCHEDULE. GALLONS PER MINUTE ARE CALCULATED BY THE COMBINED EMISSION HEAD OUTPUT DOWNLINE FROM PIPE BEING SIZED.
4. SIZE IRRIGATION SLEEVES WITH A MINIMUM DIAMETER TWICE THE SIZE OF THE IRRIGATION LINE. EXTEND SLEEVES 12" BEYOND EDGE OF PAVEMENT, WALL, WALKS OR CURB.
5. PROGRAM CONTROLLERS TO MAINTAIN SUFFICIENT FLOW RATES THROUGHOUT THE SYSTEM.
6. LOCATE VALVE BOXES (IRRIGATION, GATE VALVE, FLUSH CAP, WATER FEATURE, CONTROL WIRE AND OTHERS) IN DECOMPOSED GRANITE/SHRUB AREAS. UNDER NO CIRCUMSTANCES ARE VALVE BOXES TO BE PLACED IN A HARDSCAPE AREA.

## IRRIGATION LEGEND

### EQUIPMENT

SYSTEM DESIGNED USING A RESIDUAL PRESSURE OF 65 PSI

(#) AS PER CODE SEE CIVIL DWG'S  
& SPECS 2" WATER METER

(#) IRRITROL 48-STATION  
ELECTRIC CONTROL WALL MOUNTED MODEL #  
MC-48-PLUS-B

(#) FEBCO 860  
2" BACKFLOW PREVENTER

(#) RAINBIRD RQC 33  
QUICK COUPLER

WATEROUS SERIES 500  
2" PLASTIC GATE VALVE  
OR APPROVED EQUAL  
CARSON-OR APPROVED EQUAL VALVE BOXES

### DRIP EQUIPMENT

(#) RAINBIRD 100-PEB-PRS-B  
ELECTRIC VALVE  
420-3/4 (150 MESH)  
HYDRO RAIN  
"Y" STRAINER

RAINBIRD 16A-FDV 1/2"  
FLUSH VALVE

BOWSMITH L & M SERIES  
SINGLE & MULTI-PORT  
EMITTERS FOR SHRUBS

BOWSMITH L & M SERIES  
SINGLE & MULTI-PORT  
EMITTERS FOR TREES

CAP OR TIE INTO EXISTING WATERLINE

PIPE SCHEDULE	PIPE LEGEND
1/2" 0-5 G.P.M.	CLASS 200 PVC MIN
3/4" 6-10 G.P.M.	(LATERALS)
1" 11-18 G.P.M.	SCHED. 40 PVC (MAIN LINE)--
1-1/4" 19-27 G.P.M.	SIZE PER PLAN
1-1/2" 28-36 G.P.M.	SCHED. 40 PVC (SLEEVES)
2" 37-57 G.P.M.	DIAMETER TO BE TWICE THE
2-1/2" 58-80 G.P.M.	SIZE OF IRRIGATION LINE GOING
3" 81-120 G.P.M.	THROUGH IT, OR SIZED TO
	ACCOMMODATE MULTIPLE LINES.

T= TREE/S=SHRUBS  
CONTROLLER#/ VALVE SIZE

### EMITTER SCHEDULE

PLANT TYPE	PLANT SIZE	GPH PER OUTLET	NUMBER OF OUTLET	TOTAL GPH PER PLANT
TREES	15 GAL.	2 GPH	3	6 GPH
TREES	24" BOX	2 GPH	4	8 GPH
TREES	36" BOX	2 GPH	5	10 GPH
TREES	48" BOX	2 GPH	6	12 GPH
TREES	54" BOX	2 GPH	6	12 GPH
TREES	60" BOX	2 GPH	6	12 GPH
SHRUBS	5 GAL.	1 GPH	2	2 GPH
SHRUBS AND G.C.	1 GAL.	1 GPH	1	1 GPH

### NOTE:

1. ALL EMISSION POINTS TO BE LOCATED ON THE UPHILL SIDE OF PLANT MATERIAL. ONE EMISSION POINT TO BE LOCATED AT THE PLANT BALL, WITH THE ADDITIONAL POINTS WITHIN PLANT PIT PERIMETER.

## LANDSCAPE GENERAL NOTES

1. PLANT MATERIAL TO BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
2. STAKE TREE LOCATIONS AND RECEIVE APPROVAL OF LANDSCAPE ARCHITECT PRIOR TO HOLES BEING DUG.
3. GRADES TO BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO THE INSTALLATION OF ANY PLANT MATERIAL.
4. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING FINISHED GRADES. REFER TO CIVIL PLANS FOR ALL FINISH GRADE ELEVATIONS. PROVIDE GRADES ACCORDINGLY.
5. VEHICLE BERM AND RETENTION BASIN LOCATIONS SHOWN ON THESE PLANS WITH THOSE ON THE CIVIL ENGINEERING PLANS. SHOULD A DISCREPANCY EXIST BETWEEN THE PLANS, NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY.
6. PROVIDE FINISH GRADES AND BE RESPONSIBLE FOR POSITIVE DRAINAGE AWAY FROM BUILDINGS DURING FINISH GRADING PROCESS.
7. IT IS RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO INFORM THE LANDSCAPE ARCHITECT/OWNER OF ANY PLANT MATERIAL CONCERNS BASED ON PLANTING SEASON (E.G. WINTER, SUMMER). SHOULD THE LANDSCAPE CONTRACTOR HAVE ANY CONCERNS ABOUT PLANT MATERIAL DUE TO HEAT/FROST OR EXPOSURE, HE SHALL REQUEST A SUBSTITUTION OR DELAY IN PLANTING. SUBSTITUTION MUST ALSO BE APPROVED BY CITY. ONCE PLANTED, ALL PLANT MATERIAL IS SUBJECT TO SPECIFIED WARRANTIES.
8. LANDSCAPE MATERIALS LOCATED WITHIN VEHICLE OVERHANG AREA SHALL BE LIMITED TO GROUND COVER MATERIAL ONLY.

## PLANT LEGEND

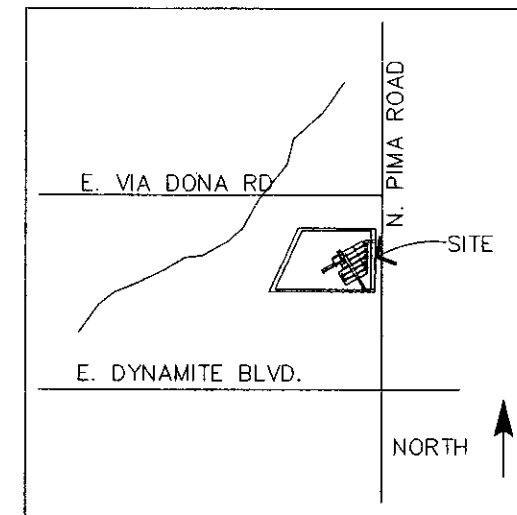
TREES	SIZE	QTY
SALVAGE TREE	FROM INVENTORY 6" to 20" caliper	41
NATIVE MESQUITE PROSOPIS VELUTINA	15 Gal.	60
NATIVE MESQUITE PROSOPIS VELUTINA	48" box 3" caliper	19
*PER AGREEMENT IN MEETING ON 6.21.04*		
SHRUBS/ CACTI/ PERENNIALS	SIZE	QTY
CHUPAROSA JUSTICIA CALIFORNICA	5 GALLON	133
DESERT CHIA SALVIA COLUMBARIAE	5 GALLON	38
ARROW WEED PULCHEA SERICEA	5 GALLON	346
PARRY'S PENSTEMON PENSTEMON PARRYI	5 GALLON	229
MORMON TEA EPHEDRA ASPERA	5 GALLON	22
BRITTLE BUSH ENCELIA FARINOSA	5 GALLON	30
NATIVE FAIRY DUSTER CALLIANDRA ERIOPHYLLA	5 GALLON	197
PARISH GOLDENEYE VIGUIERA DELTOIDEA	5 GALLON	191
BURSAGE AMBROSIA DELTOIDEA	5 GALLON	86
JOJOBA SIMMONDSIA CHINENSIS	5 GALLON	15
TURPENTINE BUSH ERCAMERIA LARICIFOLIA	5 GALLON	81
CREOSOTE LARREA TRIDENTATA	5 GALLON	37
ENGELMANN'S PRICKLY-PEAR OPUNTIA ENGELMANNII	5 GALLON	87
BANANA YUCCA YUCCA BACCATA	5 GALLON	62
SNAKEWEED Gutierrezia sarothrae	1 GALLON	188
NOTE: MAX. HEIGHT OF TYPICAL GROWTH CANNOT EXCEED 2' IN S.V.T.		
SALVAGE CACTI	FROM SALVAGE INVENTORY	72

ACCENTS	SIZE	QTY
OCOTILLO FOUQUIERIA SPLENDENS	FROM SALVAGE	25
SAGUARO CARNEGIEA GIGANTEA	FROM SALVAGE	18

## LANDSCAPE MATERIALS

'SURFACE SELECT' GRANITE BOULDERS. 3'-5" DIA.  
1/3 BURIED. SEE DETAIL 9/L6.1

## VICINITY MAP



## SHEET INDEX

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L5.1-L5.5	irrigation plans
L6.1-L6.2	landscape/irrigation details



native plant inventory  
72-NP-2004

DRB case  
36.DR.2003

plant check  
4642.01.4



36.DR.2003  
construction documents

L1.1

landscape cover sheet

scottsdale first assembly

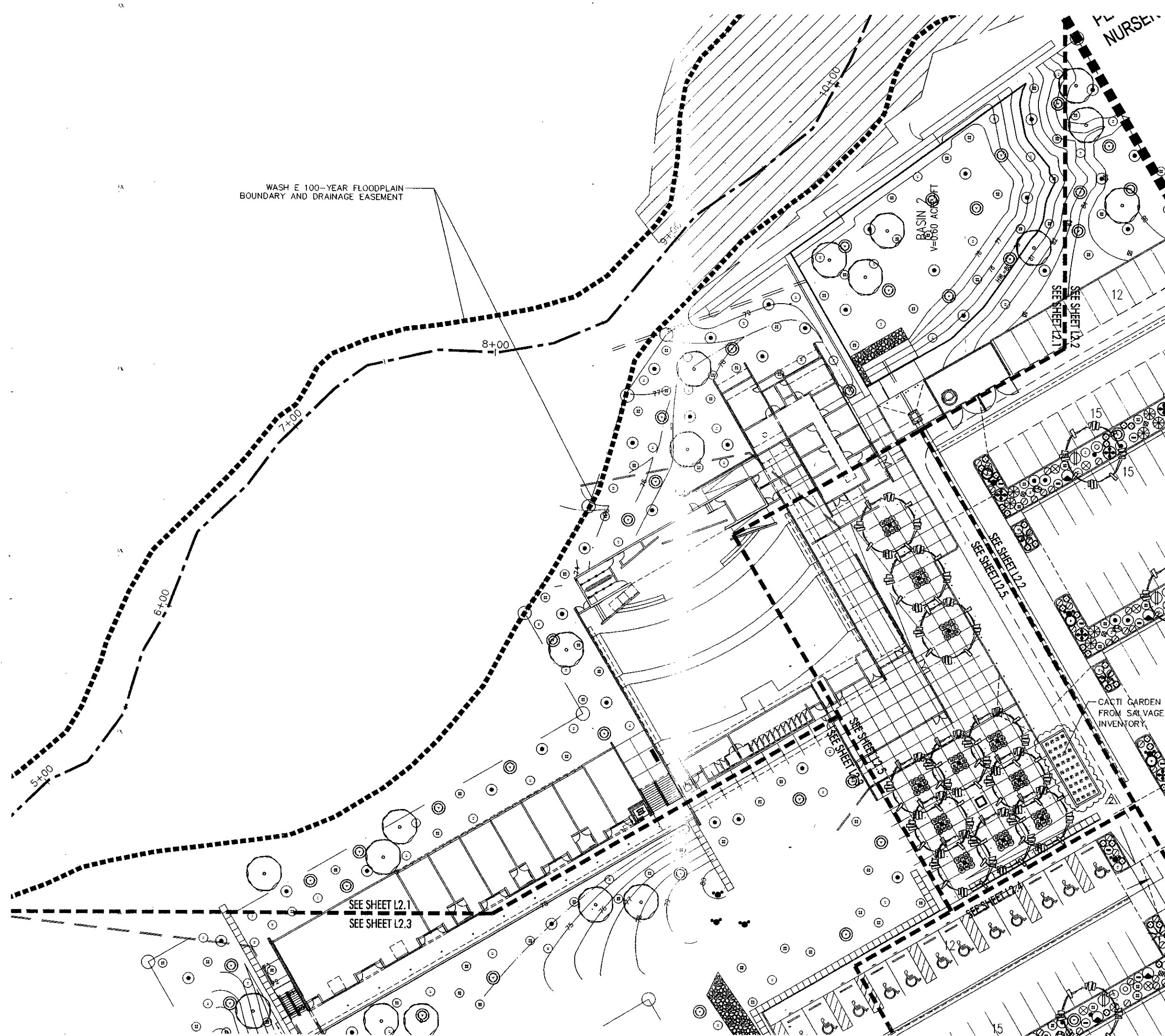
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scottsdale, arizona  
APH: 216-70-008  
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DeBARTOLO architects  
4450 north twelfth street  
number 258  
phoenix, arizona 85014  
tel 602.264.6617  
fax 602.264.0891

e group.  
817 north central avenue  
phoenix, arizona 85004  
tel 602.462.9000  
fax 602.462.9001  
e group # 203145



PLANT LEGEND		SIZE
	SALVAGE TREE	FROM INVENTORY 6" to 20" caliper
	NATIVE MESQUITE PROSOPIS VELUTINA	15 Gal.
	NATIVE MESQUITE PROSOPIS VELUTINA	48" box 3" caliper

"PER AGREEMENT IN MEETING ON 6.21.04"

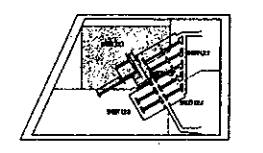
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	BANANA YUCCA YUCCA BACCATA	5 GALLON
	SNAKEWEED Gutierrezia sarothrae	1 GALLON
	SALVAGE CACTI	FROM SALVAGE INVENTORY

NOTE: MAX. HEIGHT OF TYPICAL GROWTH CANNOT EXCEED 2' IN S.V.T.

ACCENTS		SIZE
	OCOTILLO FOUQUIERIA SPLENDENS	FROM SALVAGE
	SAGUARO CARNEGIEA GIGANTEA	FROM SALVAGE

**LANDSCAPE MATERIALS**

'SURFACE SELECT' GRANITE BOULDERS. 3'-5' DIA.  
1/3 BURIED, SEE DETAIL 9/L6.1



- key plan**
- 1 11 JUNE 2004  
OWNER CHANGES
  - 2 09 JULY 2004  
FIRST REVIEW
  - 4 17 SEPT. 2004  
SECOND REVIEW

36.DR.2003  
construction documents

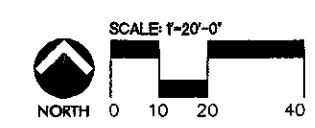
**L2.1**  
landscape plan

scottsdale first assembly  
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**DeBARTOLO architects**  
4450 north twelfth street  
number 268  
phoenix, arizona 85014  
tel 602.264.6617  
fax 602.264.8891

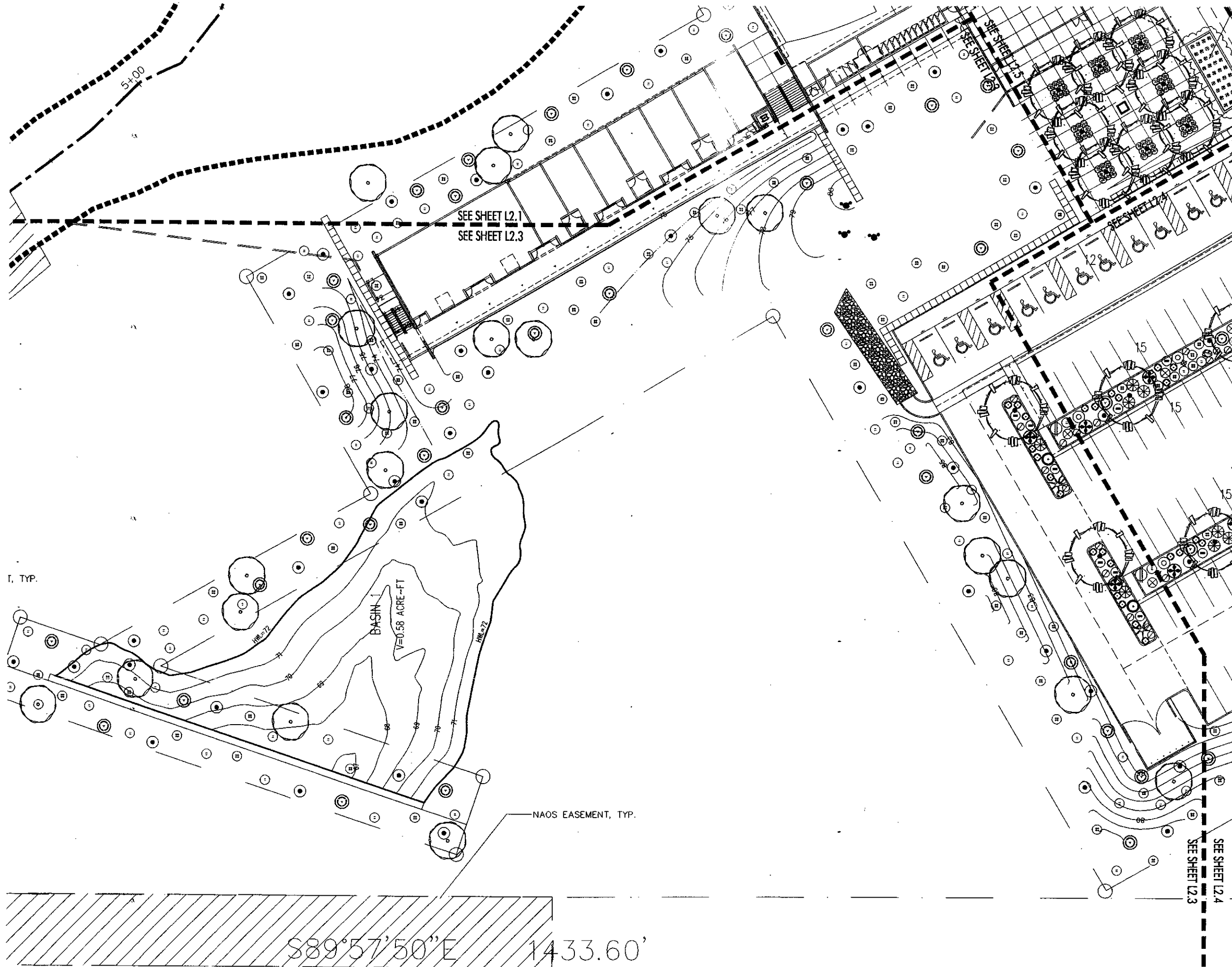
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tel 602.462.9000  
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native plant inventory  
72-NP-2004  
DRB case  
36.DR.2003  
plan check  
4842.01.4





**PLANT LEGEND**

TREES	SIZE
SALVAGE TREE	FROM INVENTORY 6" to 20" caliper
NATIVE MESQUITE PROSOPIS VELUTINA	15 Gal.
NATIVE MESQUITE PROSOPIS VELUTINA	48" box 3" caliper

\*PER AGREEMENT IN MEETING ON 6.21.04\*

**SHRUBS/ CACTI/ PERENNIALS**

SHRUBS/ CACTI/ PERENNIALS	SIZE
CHUPAROSA	5 GALLON
JUSTICA CALIFORNICA	5 GALLON
DESERT CHIA	5 GALLON
SALVIA COLUMBARIAE	5 GALLON
ARROW WEED	5 GALLON
PULCHEA SERICEA	5 GALLON
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PENSTEMON PARRYI	5 GALLON
MORMON TEA	5 GALLON
EPHEDRA ASPERA	5 GALLON
BRITTLE BUSH	5 GALLON
ENCELIA FARINOSA	5 GALLON
NATIVE FAIRY DUSTER	5 GALLON
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AMBROSIA DELTOIDEA	5 GALLON
JOJOBA	5 GALLON
SIMMONDSIA CHINENSIS	5 GALLON
TURPENTINE BUSH	5 GALLON
ERICAMERIA LARICIFOLIA	5 GALLON
CREOSOTE	5 GALLON
LARREA TRIDENTATA	5 GALLON
ENGELMANN'S PRICKLY-PEAR	5 GALLON
OPUNTIA ENGELMANNII	5 GALLON
BANANA YUCCA	5 GALLON
YUCCA BACCATA	5 GALLON
SNAKEWEED	1 GALLON
Gutierrezia sarothrae	1 GALLON

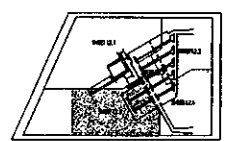
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**ACCENTS**

ACCENTS	SIZE
OCOTILLO	FROM SALVAGE
FOQUIERIA SPLENDENS	FROM SALVAGE
SAGUARO	FROM SALVAGE
CARNEGIEA GIGANTEA	FROM SALVAGE

**LANDSCAPE MATERIALS**

"SURFACE SELECT" GRANITE BOULDERS. 3'-5' DIA.  
1/3 BURIED. SEE DETAIL 9/L6.1



key plan

36.DR.2003  
construction documents

# L2.3

landscape plan

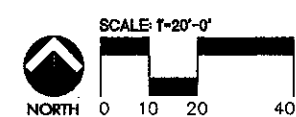
scottsdale first assembly  
**DREAM CENTER**

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**DeBARTOLO** architects  
4450 north twelfth street  
number 268  
phoenix, arizona 85014  
tel 602.264.8617  
fax 602.264.0881

**e group.**  
817 north central avenue  
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







# PLANT LEGEND





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 SALVAGE TREE	FROM INVENTORY 6" to 20" caliper
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"PER AGREEMENT IN MEETING ON 6.21.04"


## SHRUBS/ CACTI/ PERENNIALS

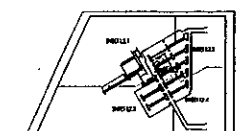
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## ACCENTS

ACCENTS	SIZE
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 FOQUIERIA SPLENDENS	FROM SALVAGE
 SAGUARO	FROM SALVAGE
 CARNEGIEA GIGANTEA	FROM SALVAGE

## LANDSCAPE MATERIALS

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key plan

36.DR.2003  
construction documents

# L2.5

landscape plan

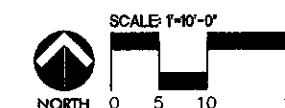
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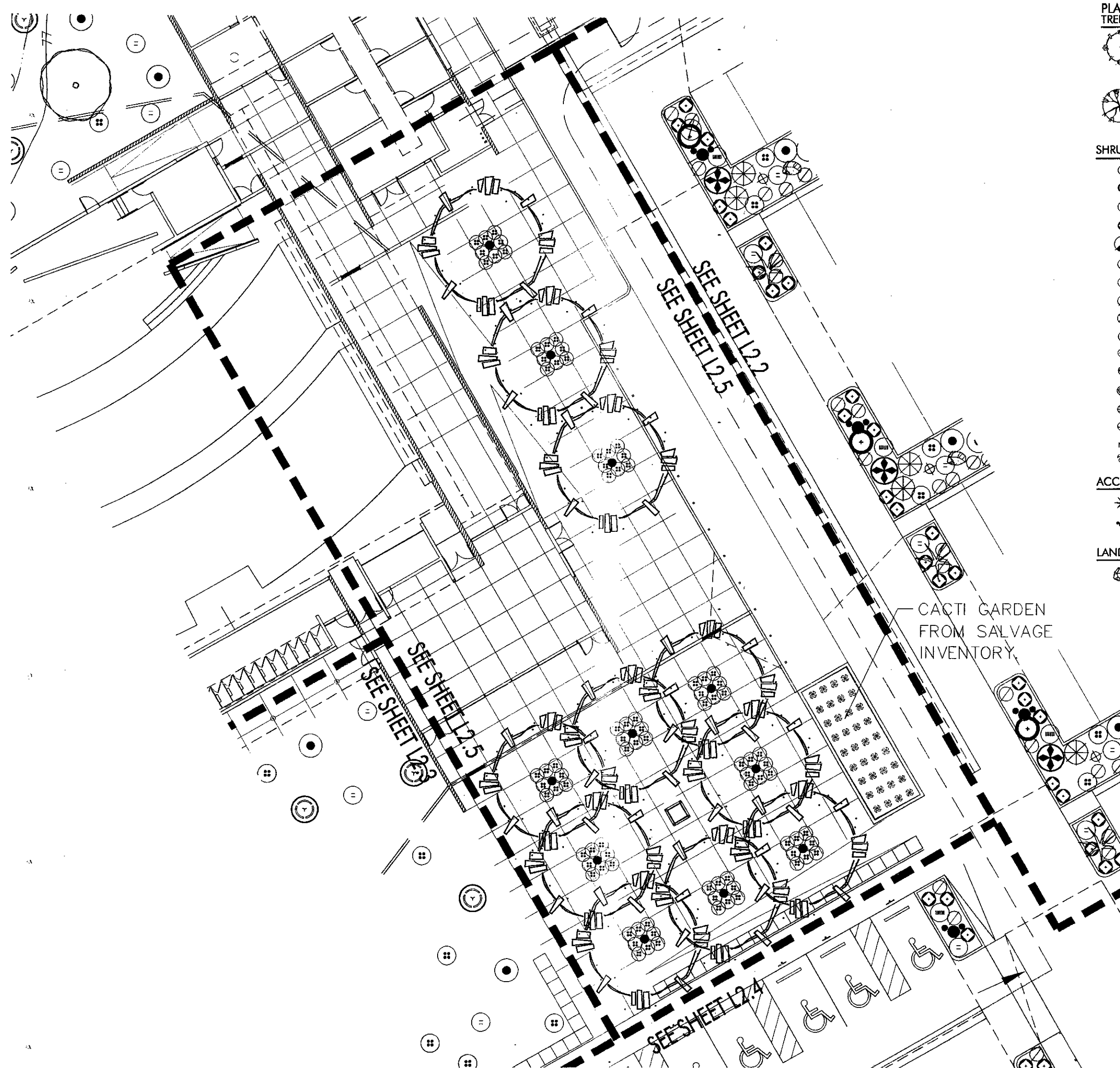
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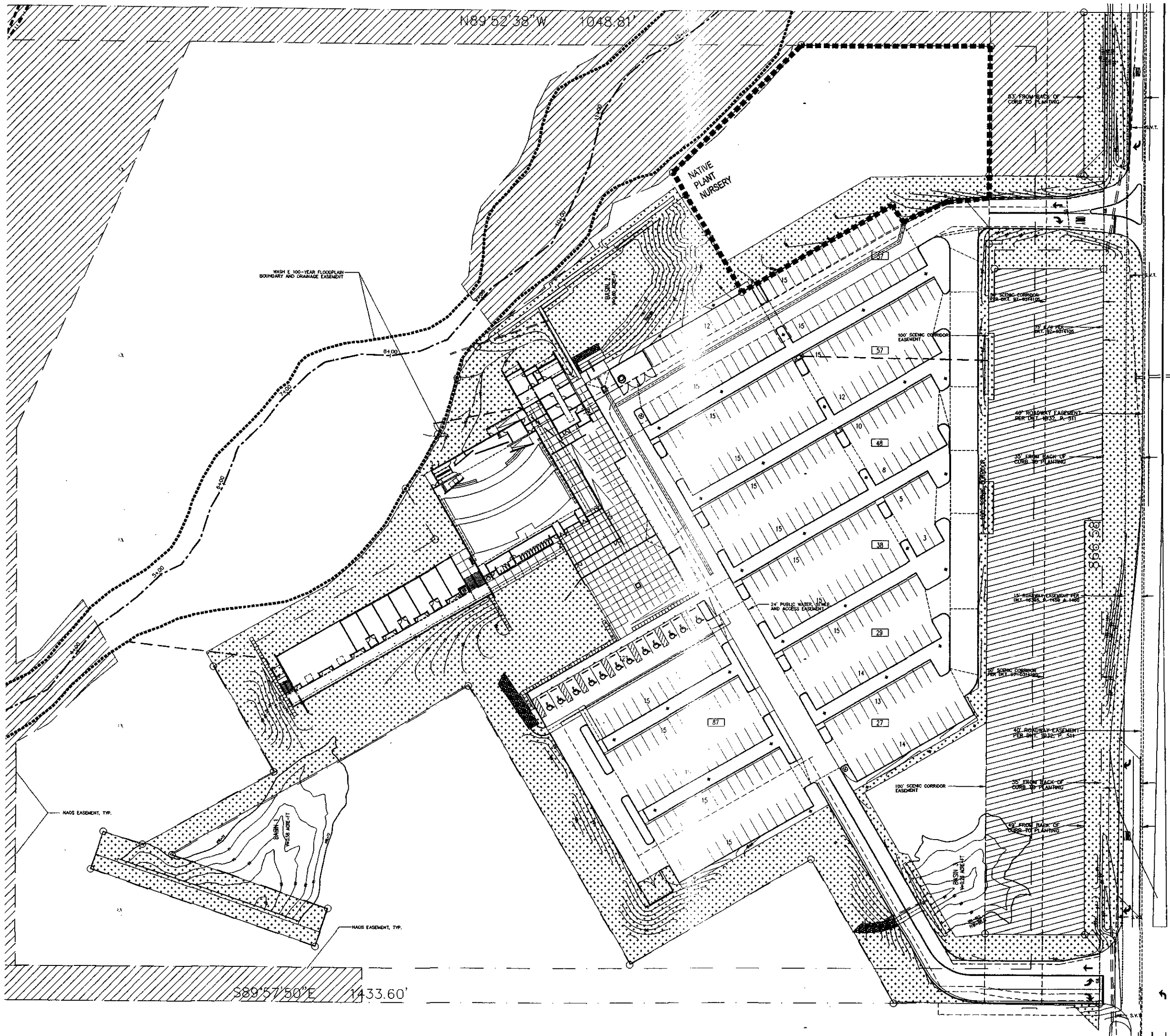
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72-NP-2004 -- 36.DR.2003 4842.01.4





LIST OF HYDRO-SEED MATERIALS		
SPECIES	SCIENTIFIC NAME	LBS./ACRE
TRIANGLE-LEAF BURSAGE	AMBROSIA DELTOIDEA	3.0
DESERT MARIGOLD	BAILEYA MULTIRADIATA	1.0
DESERT SENNA	CASSIA SP.	1.0
SNAKEWEED	GUTIERREZIA SAROTHRAE	0.5
CREOSOTE	LARREA TRIDENTATA	1.0

- HYDROSEED AREAS FOR REVEGETATION PER ABOVE / 3 AC.
- NAOS AREA- DO NOT DISTURB THIS AREA / 9.5 AC.

THIS APPLICATION IS TO BE APPLIED ONLY DURING THE MONTHS OF SEPTEMBER - DECEMBER TO RELY SOLELY ON NATURAL RAIN FALL, NO IRRIGATION TO BE USED. IF THE PERIOD OF PLANTING IS MISSED THE CONTACTOR WILL SCHEDULE AN APPLICATION THE FOLLOWING YEAR AT THE STIPULATED TIME PERIOD.

\*PER AGREEMENT IN MEETING ON 6.21.04\*



36.DR.2003  
construction documents

# L3.1

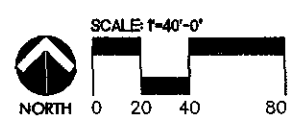
hydroseed exhibit plan

scottsdale first assembly  
**DREAM CENTER**  
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scottsdale, arizona  
APN: 216-70-008  
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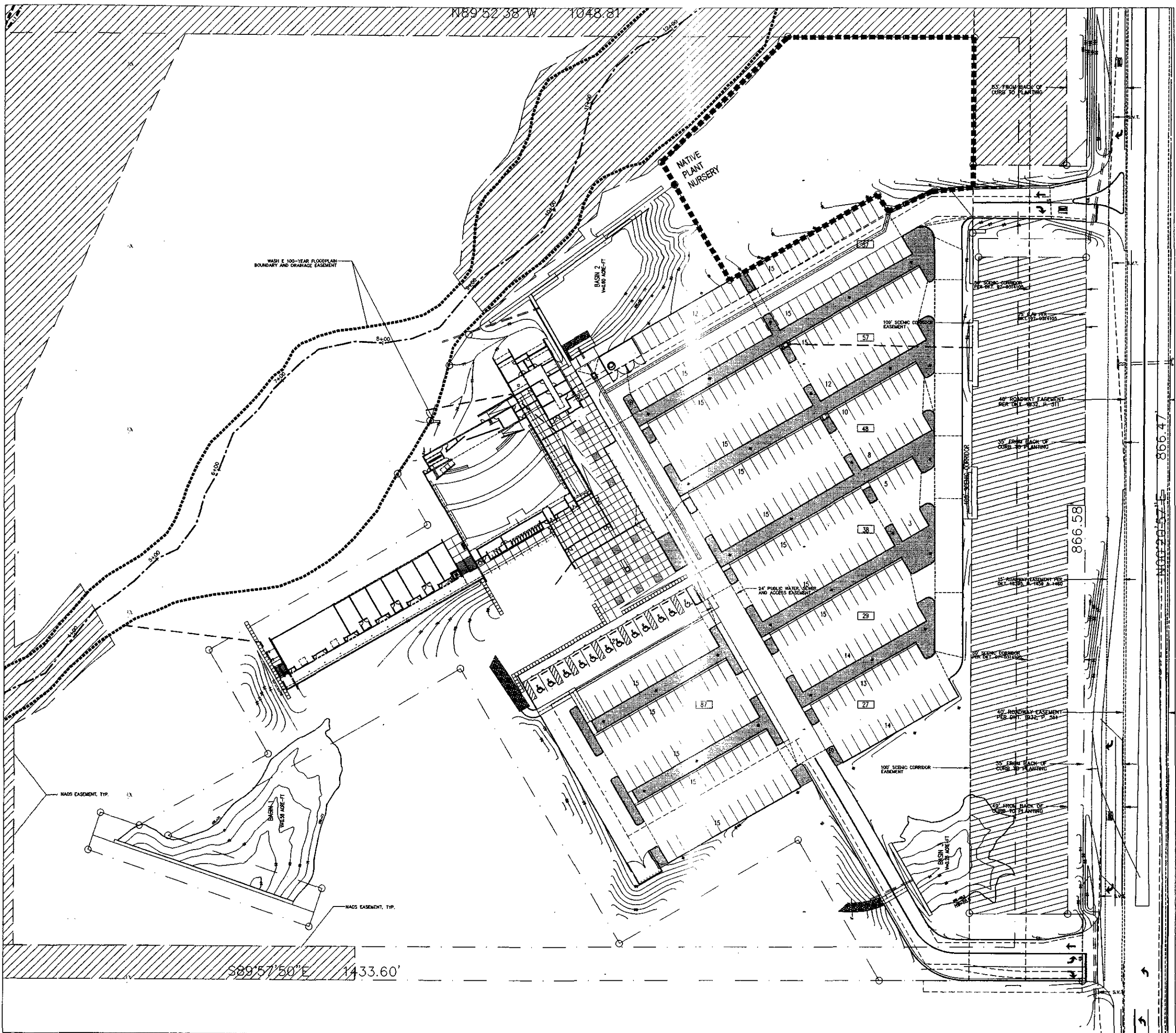
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4450 north twelfth street  
number 268  
phoenix, arizona 85014  
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DECOMPOSED GRANITE LEGEND		QTY
	RAKED NATIVE SOIL	22,315 SF



36.DR.2003  
construction documents

# L4.1

Landscape Topping Plan

scottsdale first assembly  
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tel 602.264.8817  
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**e group.**  
817 north central avenue  
phoenix, arizona 85004  
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e group # 203145



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(OUTSIDE MARICOPA COUNTY)

native plant inventory	DRB case	plan check
72-NP-2004	36.DR.2003	4842.01.4










### IRRIGATION LEGEND

## EQUIPMENT

SYSTEM DESIGNED USING A RESIDUAL PRESSURE OF 85 PSI

-  (#) AS PER CODE  
 & SPECS 2" WATER METER  
 SEE CIVIL DWG'S  
 (#) IRRITROL 48-STATION  
 ELECTRIC CONTROL WALL MOUNTED MODEL #  
 MC-48-PLUS-B  
 (#) FEBCO 860  
 2" BACKFLOW PREVENTER  
 (#) RAINBIRD ROC 33  
 QUICK COUPLER  
 WATEROUS SERIES 500  
 2" PLASTIC GATE VALVE  
 OR APPROVED EQUAL  
 CARSON-OR APPROVED EQUAL VALVE BOXES

## DRIP EQUIPMENT

- (#) RAINBIRD 100-PEB-PRS-B  
ELECTRIC VALVE  
420-3/4 (150 MESH)  
HYDRO RAIN  
"Y" STRAINER
- ▶ RAINBIRD 16A-FDV 1/2"  
FLUSH VALVE
- /— BOWSMITH L & M SERIES  
SINGLE & MULTI-PORT  
EMITTERS FOR SHRUBS
- ◇ BOWSMITH L & M SERIES  
SINGLE & MULTI-PORT  
EMITTERS FOR TREES
- ~ CAP OR TIE INTO EXISTING WATERLINE

PIPE SCHEDULE

1/2"	0-5	G.P.M.
3/4"	6-10	G.P.M.
1"	11-18	G.P.M.
1-1/4"	19-27	G.P.M.
1-1/2"	28-36	G.P.M.
2"	37-57	G.P.M.
2-1/2"	58-80	G.P.M.
3"	81-120	G.P.M.

## PIPE LEGEND

CLASS 200 PVC MIN  
(LATERALS)  
-- SCHED. 40 PVC (MAIN LINE)-  
SIZE PER PLAN  
-- SCHED. 40 PVC (SLEEVES)  
DIAMETER TO BE TWICE THE  
SIZE OF IRRIGATION LINE GOING  
THROUGH IT, OR SIZED TO  
ACCOMMODATE MULTIPLE LINES.

X	T= TREE/S=SHUBS
C X	CONTROLLER#/ VALVE SIZE

## EMITTER SCHEDULE

PLANT TYPE	PLANT SIZE	GPH PER OUTLET	NUMBER OF OUTLET	TOTAL GPH PER PLANT
TREES	15 GAL.	2 GPH	3	6 GPH
TREES	24" BOX	2 GPH	4	8 GPH
TREES	36" BOX	2 GPH	5	10 GPH
TREES	48" BOX	2 GPH	6	12 GPH
TREES	54" BOX	2 GPH	6	12 GPH
TREES	60" BOX	2 GPH	6	12 GPH
SHRUBS	5 GAL.	1 GPH PLANTS	2	2 GPH
SHRUBS AND G.C.	1 GAL.	1 GPH	1	1 GPH

NOTE:

1. ALL EMISSION POINTS TO BE LOCATED ON THE UPHILL SIDE OF PLANT MATERIAL. ONE EMISSION POINT TO BE LOCATED AT THE PLANT BALL, WITH THE ADDITIONAL POINTS WITHIN PLANT PIT PERIMETER.

**6.DR.2003**

construction documents

# L5.1

### Investigation plan

scottsdale first assembly

## DREAM CENTER

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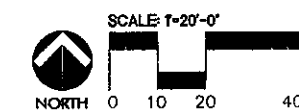
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602 462 9001

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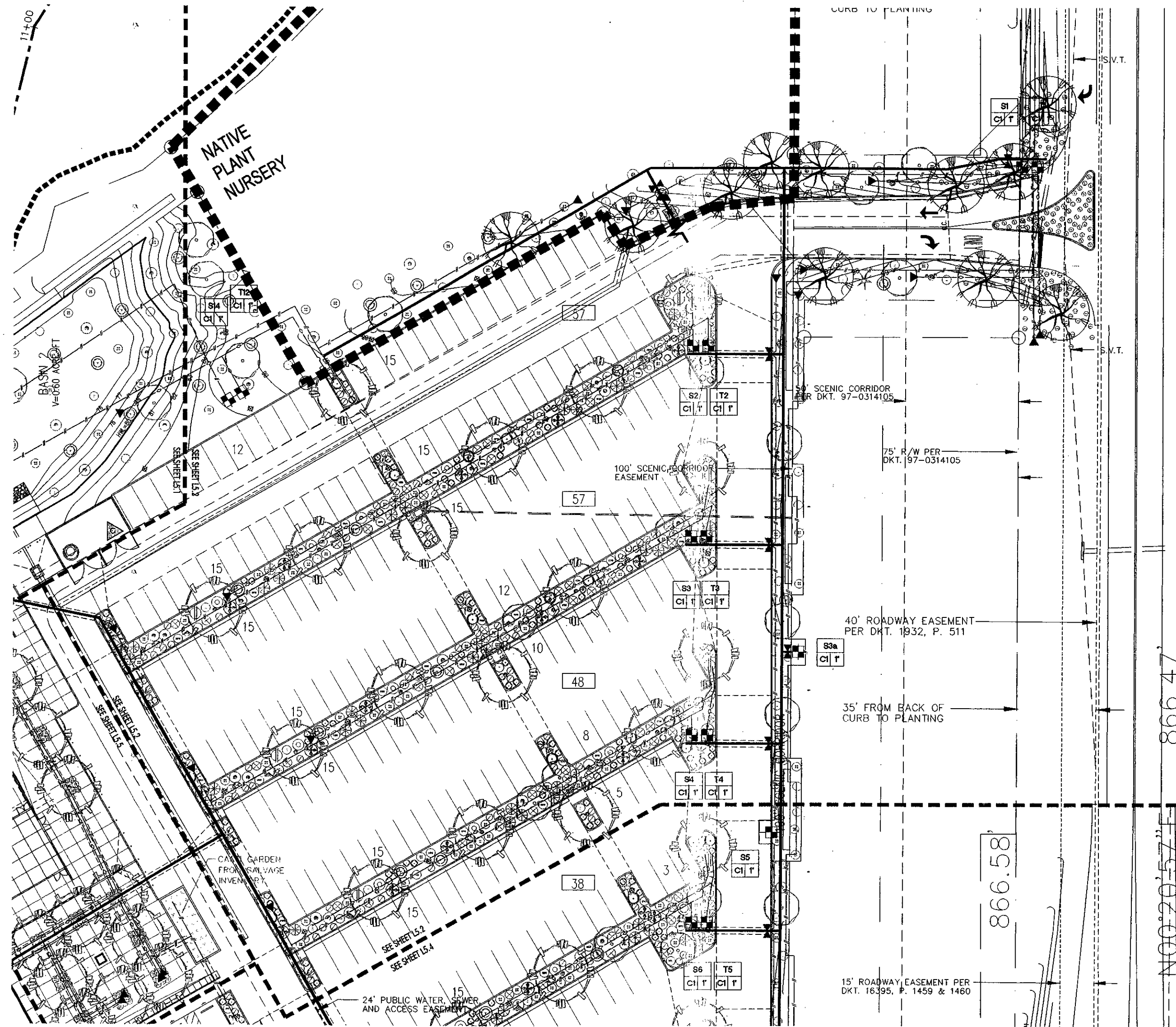


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native plant inventory  
72-NP-2004 -

DRB case  
6.DR.2003

can check  
**42.01.4**



# IRRIGATION LEGEND

## EQUIPMENT

- SYSTEM DESIGNED USING A RESIDUAL PRESSURE OF 65 PSI
- (#) AS PER CODE & SPECS 2" WATER METER SEE CIVIL DWG'S
- (#) IRRITROL 48-STATION ELECTRIC CONTROL WALL MOUNTED MODEL # MC-48-PLUS-B
- (#) FEBCO 860 2" BACKFLOW PREVENTER
- (#) RAINBIRD RQC 33 QUICK COUPLER
- WATEROUS SERIES 500 2" PLASTIC GATE VALVE OR APPROVED EQUAL
- CARSON-OR APPROVED EQUAL VALVE BOXES

## DRIP EQUIPMENT

- (#) RAINBIRD 100-PEB-PRS-B ELECTRIC VALVE 420-3/4 (150 MESH) HYDRO RAIN "Y" STRAINER
- RAINBIRD 16A-FDV 1/2" FLUSH VALVE
- BOWSMITH L & M SERIES SINGLE & MULTI-PORT EMITTERS FOR SHRUBS
- BOWSMITH L & M SERIES SINGLE & MULTI-PORT EMITTERS FOR TREES
- CAP OR TIE INTO EXISTING WATERLINE

## PIPE SCHEDULE PIPE LEGEND

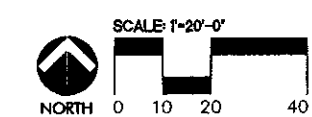
1/2"	0-5 G.P.M.	CLASS 200 PVC MIN (LATERALS)
3/4"	6-10 G.P.M.	SCHED. 40 PVC (MAIN LINE)-SIZE PER PLAN
1"	11-18 G.P.M.	SCHED. 40 PVC (SLEEVES) DIAMETER TO BE TWICE THE SIZE OF IRRIGATION LINE GOING THROUGH IT, OR SIZED TO ACCOMMODATE MULTIPLE LINES.
1-1/4"	19-27 G.P.M.	
1-1/2"	28-36 G.P.M.	
2"	37-57 G.P.M.	
2-1/2"	58-80 G.P.M.	
3"	81-120 G.P.M.	

X# T=TREE/S=SHRUBS  
C#X# CONTROLLER#/ VALVE SIZE

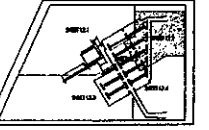
## EMITTER SCHEDULE

PLANT TYPE	PLANT SIZE	GPH PER OUTLET	NUMBER OF OUTLET	TOTAL GPH PER PLANT
TREES	15 GAL	2 GPH	3	6 GPH
TREES	24" BOX	2 GPH	4	8 GPH
TREES	36" BOX	2 GPH	5	10 GPH
TREES	48" BOX	2 GPH	6	12 GPH
TREES	54" BOX	2 GPH	6	12 GPH
TREES	60" BOX	2 GPH	6	12 GPH
SHRUBS	5 GAL	1 GPH	2	2 GPH
SHRUBS	1 GAL	1 GPH	1	1 GPH
AND G.C.				

NOTE:  
1. ALL EMISSION POINTS TO BE LOCATED ON THE UPHILL SIDE OF PLANT MATERIAL. ONE EMISSION POINT TO BE LOCATED AT THE PLANT BALL, WITH THE ADDITIONAL POINTS WITHIN PLANT PIT PERIMETER.



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key plan

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construction documents

# L5.2

irrigation plan

scottsdale first assembly  
**DREAM CENTER**

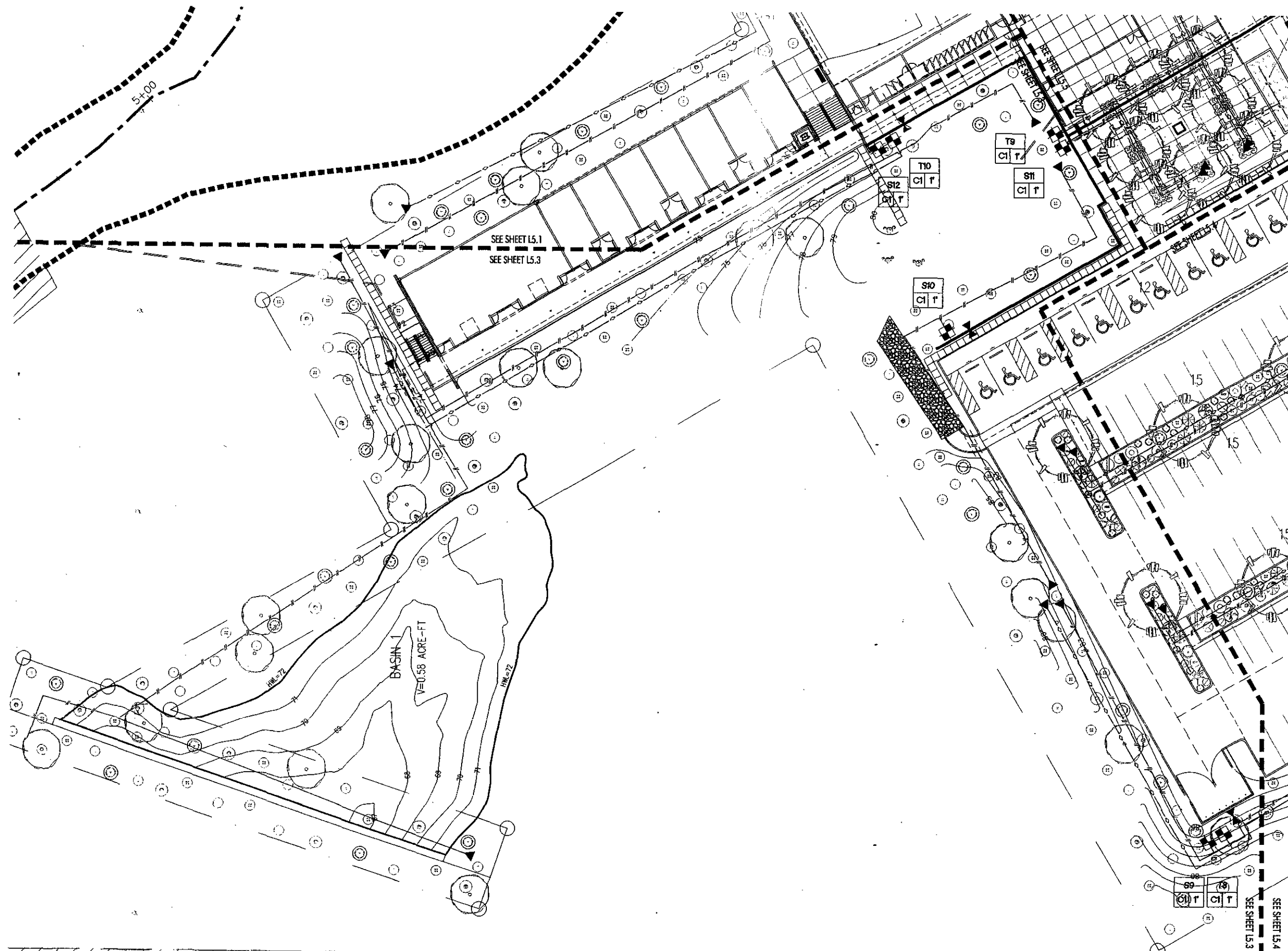
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4450 north twelfth street  
number 268  
phoenix, arizona 85014  
tel 602.264.6617  
fax 602.264.0891

**e group.**  
817 north central avenue  
phoenix, arizona 85004  
tel 602.462.9000  
fax 602.462.9001  
e group # 203145

native plant inventory  
72-NP-2004  
DRB case  
36.DR.2003  
plan check  
4842.01.4



# IRRIGATION LEGEND

- EQUIPMENT**
- SYSTEM DESIGNED USING A RESIDUAL PRESSURE OF 65 PSI
- (#) AS PER CODE & SPECS 2" WATER METER SEE CIVIL DWG'S
- (#) IRRITROL 48-STATION ELECTRIC CONTROL WALL MOUNTED MODEL # MC-48-PLUS-B
- (#) FEBCO 880 2" BACKFLOW PREVENTER
- (#) RAINBIRD RQC 33 QUICK COUPLER
- WATEROUS SERIES 500 2" PLASTIC GATE VALVE OR APPROVED EQUAL CARSON-OR APPROVED EQUAL VALVE BOXES
- DRIP EQUIPMENT**
- (#) RAINBIRD 100-FEB-PRS-B ELECTRIC VALVE 420-3/4 (150 MESH) HYDRO RAIN 1/2" STRAINER
- RAINBIRD 16A-FDV 1/2" FLUSH VALVE
- BOWSMITH L & M SERIES SINGLE & MULTI-PORT EMITTERS FOR SHRUBS
- BOWSMITH L & M SERIES SINGLE & MULTI-PORT EMITTERS FOR TREES
- CAP OR TIE INTO EXISTING WATERLINE

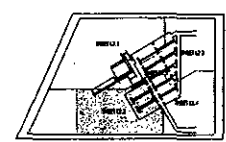
- PIPE SCHEDULE**
- |        |               |  |
|--------|---------------|--|
| 1/2"   | 0-5 G.P.M.    | CLASS 200 PVC MIN (LATERALS)   |
| 3/4"   | 6-10 G.P.M.   | SCHED. 40 PVC (MAIN LINE)-SIZE PER PLAN  |
| 1"     | 11-18 G.P.M.  | SCHED. 40 PVC (SLEEVES) DIAMETER TO BE TWICE THE SIZE OF IRRIGATION LINE GOING THROUGH IT, OR SIZED TO ACCOMMODATE MULTIPLE LINES. |
| 1-1/4" | 19-27 G.P.M.  |  |
| 1-1/2" | 28-36 G.P.M.  |  |
| 2"     | 37-57 G.P.M.  |  |
| 2-1/2" | 58-80 G.P.M.  |  |
| 3"     | 81-120 G.P.M. |  |
- PIPE LEGEND**

- X# T= TREE/S=SHRUBS
- CH#X CONTROLLER# / VALVE SIZE

## EMITTER SCHEDULE

PLANT TYPE	PLANT SIZE	GPH PER OUTLET	NUMBER OF OUTLET	TOTAL GPH PER PLANT
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TREES	54" BOX	2 GPH	6	12 GPH
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SHRUBS	5 GAL.	1 GPH	2	2 GPH
SHRUBS	1 GAL.	1 GPH	1	1 GPH

NOTE:  
1. ALL EMISSION POINTS TO BE LOCATED ON THE UPHILL SIDE OF PLANT MATERIAL. ONE EMISSION POINT TO BE LOCATED AT THE PLANT BALL, WITH THE ADDITIONAL POINTS WITHIN PLANT PIT PERIMETER.



key plan

36.DR.2003  
construction documents

# L5.3

Irrigation plan

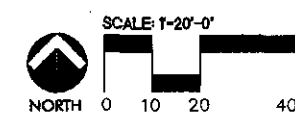
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**DREAM CENTER**

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4450 north twelfth street  
number 268  
phoenix, arizona 85014  
tel 602.264.6617  
fax 602.264.0891

**e group.**  
817 north central avenue  
phoenix, arizona 85004  
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e group # 203145



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# IRRIGATION LEGEND

## EQUIPMENT

SYSTEM DESIGNED USING A RESIDUAL PRESSURE OF 65 PSI

- (M) (#) AS PER CODE & SPECS 2" WATER METER SEE CIVIL DWG'S
- (E) (#) IRRITROL 48-STATION ELECTRIC CONTROL WALL MOUNTED MODEL # MC-48-PLUS-B
- (B) (#) FEBCO 860 2" BACKFLOW PREVENTER
- (R) (#) RAINBIRD ROC 33 QUICK COUPLER
- (W) (#) WATEROUS SERIES 500 2" PLASTIC GATE VALVE OR APPROVED EQUAL CARSON-OR APPROVED EQUALVALVE BOXES

## DRIP EQUIPMENT

- (R) (#) RAINBIRD 100-PEB-PRS-B ELECTRIC VALVE 420-3/4 (150 MESH) HYDRO RAIN "Y" STRAINER
- (R) (#) RAINBIRD 16A-FDV 1/2" FLUSH VALVE
- (B) (#) BOWSMITH L & M SERIES SINGLE & MULTI-PORT EMITTERS FOR SHRUBS
- (B) (#) BOWSMITH L & M SERIES SINGLE & MULTI-PORT EMITTERS FOR TREES
- (C) (#) CAP OR TIE INTO EXISTING WATERLINE

## PIPE SCHEDULE

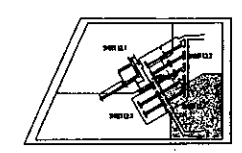
PIPE SCHEDULE	PIPE LEGEND
1/2"	0-5 G.P.M. CLASS 200 PVC MIN (LATERALS)
3/4"	6-10 G.P.M. SCHED. 40 PVC (MAIN LINE)- SIZE PER PLAN
1"	11-18 G.P.M. SCHED. 40 PVC (SLEEVES) DIAMETER TO BE TWICE THE SIZE OF IRRIGATION LINE GOING THROUGH IT, OR SIZED TO ACCOMMODATE MULTIPLE LINES.
1-1/4"	19-27 G.P.M.
1-1/2"	28-36 G.P.M.
2"	37-57 G.P.M.
2-1/2"	58-80 G.P.M.
3"	81-120 G.P.M.

(T) T= TREE / S=SHRUBS  
(C) (#) CONTROLLER#/ VALVE SIZE

## EMITTER SCHEDULE

PLANT TYPE	PLANT SIZE	GPH PER OUTLET	NUMBER OF OUTLET	TOTAL GPH PER PLANT
TREES	15 GAL.	2 GPH	3	6 GPH
TREES	24" BOX	2 GPH	4	8 GPH
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TREES	48" BOX	2 GPH	6	12 GPH
TREES	54" BOX	2 GPH	6	12 GPH
TREES	60" BOX	2 GPH	6	12 GPH
SHRUBS	5 GAL.	1 GPH	2	2 GPH
SHRUBS	1 GAL.	1 GPH	1	1 GPH
AND G.C.				

NOTE:  
1. ALL EMISSION POINTS TO BE LOCATED ON THE UPHILL SIDE OF PLANT MATERIAL. ONE EMISSION POINT TO BE LOCATED AT THE PLANT BALL, WITH THE ADDITIONAL POINTS WITHIN PLANT PIT PERIMETER.



key plan

36.DR.2003  
construction documents

# L5.4

irrigation plan

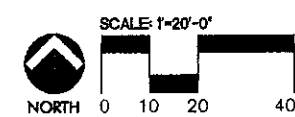
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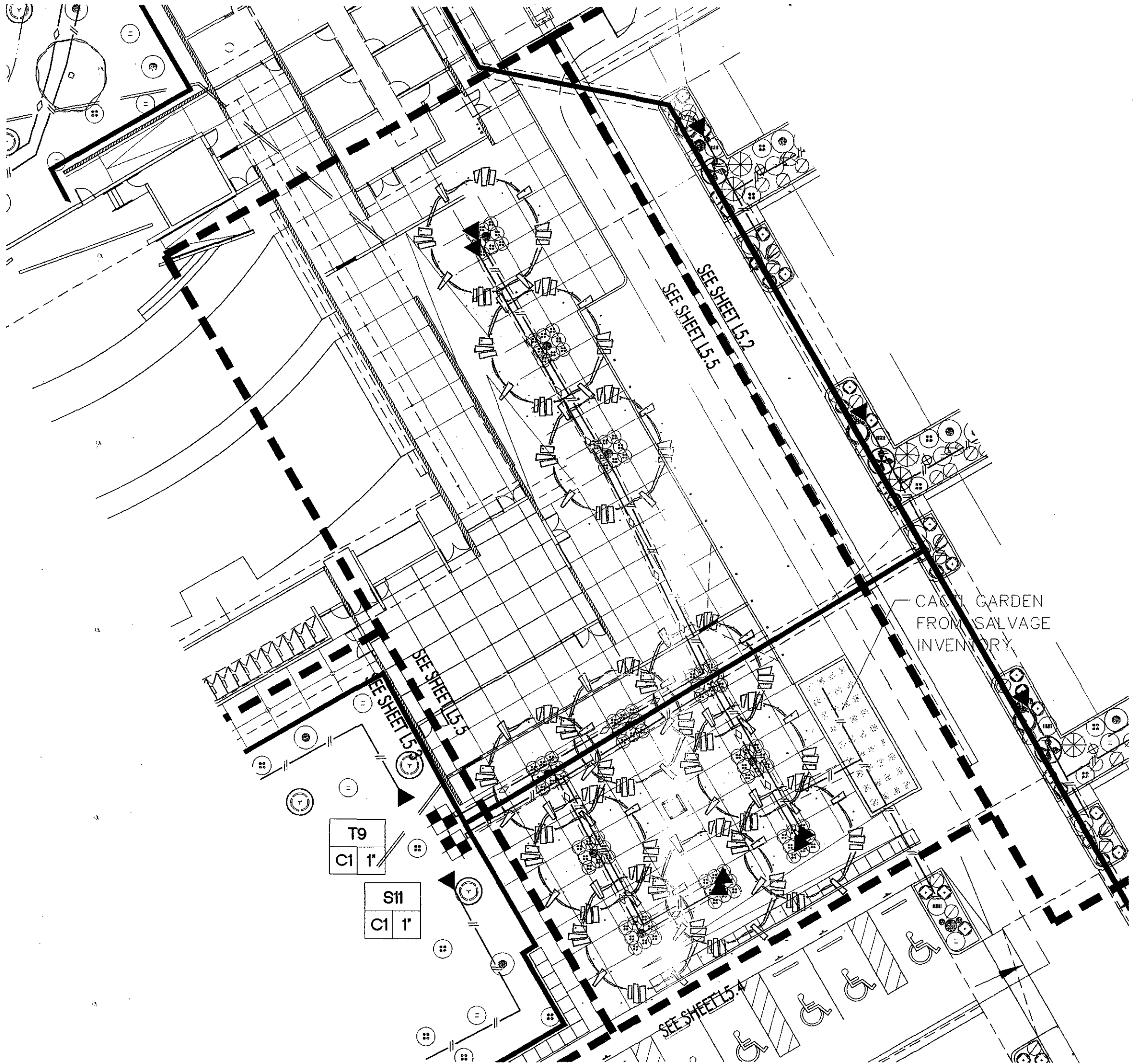
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native plant inventory  
72-NP-2004  
DRB case  
36.DR.2003  
plan check  
4642.01.4





IRRIGATION LEGEND

- EQUIPMENT
- SYSTEM DESIGNED USING A RESIDUAL PRESSURE OF 65 PSI
- (#) AS PER CODE & SPECS 2" WATER METER SEE CIVIL DWG'S
- (#) IRRITROL 48-STATION ELECTRIC CONTROL WALL MOUNTED MODEL # MC-48-PLUS-B
- (#) FEBCO 860 2" BACKFLOW PREVENTER
- (#) RAINBIRD RQC 33 QUICK COUPLER
- WATEROUS SERIES 500 2" PLASTIC GATE VALVE OR APPROVED EQUAL CARSON-OR APPROVED EQUALVALVE BOXES
- DRIP EQUIPMENT

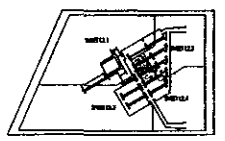
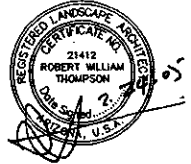
- (#) RAINBIRD 100-PEB-PRS-B ELECTRIC VALVE 420-3/4 (150 MESH) HYDRO RAIN "Y" STRAINER
- RAINBIRD 16A-FDV 1/2" FLUSH VALVE
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- BOWSMITH L & M SERIES SINGLE & MULTI-PORT EMITTERS FOR TREES
- CAP OR TIE INTO EXISTING WATERLINE

PIPE SCHEDULE	PIPE LEGEND
1/2" 0-5 G.P.M.	CLASS 200 PVC MIN
3/4" 6-10 G.P.M.	(LATERALS)
1" 11-18 G.P.M.	SCHED. 40 PVC (MAIN LINE)-
1-1/4" 19-27 G.P.M.	SIZE PER PLAN
1-1/2" 28-36 G.P.M.	SCHED. 40 PVC (SLEEVES)
2" 37-57 G.P.M.	DIAMETER TO BE TWICE THE
2-1/2" 58-80 G.P.M.	SIZE OF IRRIGATION LINE GOING
3" 81-120 G.P.M.	THROUGH IT, OR SIZED TO
	ACCOMMODATE MULTIPLE LINES.

T= TREE/S=SHRUBS  
CONTROLLER#/ VALVE SIZE

EMITTER SCHEDULE				
PLANT TYPE	PLANT SIZE	GPH PER OUTLET	NUMBER OF OUTLET	TOTAL GPH PER PLANT
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TREES	24" BOX	2 GPH	4	8 GPH
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TREES	60" BOX	2 GPH	6	12 GPH
SHRUBS	5 GAL.	1 GPH	2	2 GPH
SHRUBS	1 GAL.	1 GPH	1	1 GPH

NOTE:  
1. ALL EMISSION POINTS TO BE LOCATED ON THE UPHILL SIDE OF PLANT MATERIAL. ONE EMISSION POINT TO BE LOCATED AT THE PLANT BALL WITH THE ADDITIONAL POINTS WITHIN PLANT PIT PERIMETER.



key plan

36.DR.2003  
construction documents

L5.5

irrigation plan

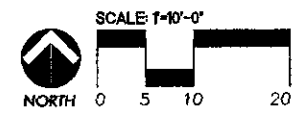
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DREAM CENTER

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number 288  
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tel 602.264.0617  
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817 north central avenue  
phoenix, arizona 85004  
tel 602.462.9000  
fax 602.462.9001  
e group # 203145



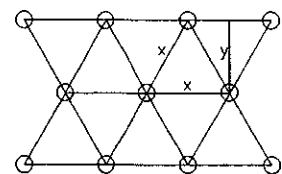
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native plant inventory  
72-MP-2004

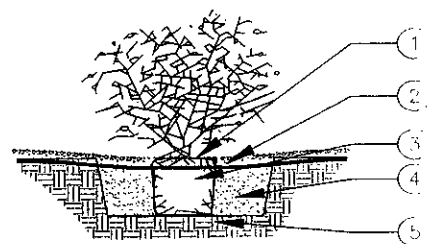
DRB case  
36.DR.2003

plan check  
4642.01.4



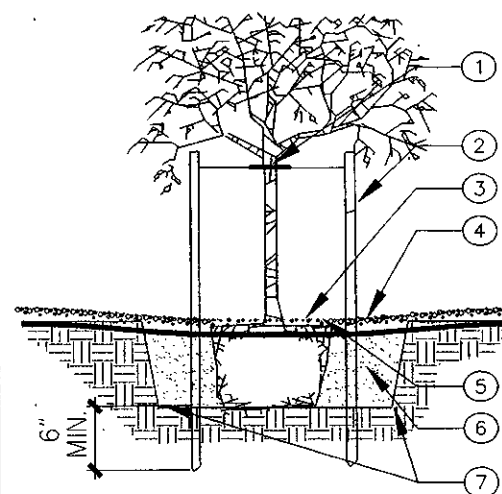
ALL GROUNDCOVERS TO BE PLANTED ON CENTER (SEE PLANT LEGEND) IN A TRIANGULAR PATTERN.  
X= O.C. DIMENSION AS NOTED ON PLAN.  
Y= 0.86 OF DIMENSION "X".

- MULCH SOIL TO A DEPTH OF 2", 1' IN DIAMETER. KEEP MULCH AWAY FROM PLANT BASE.
- PREPARE SOIL PER SPECIFICATIONS AND ROTOTILL TO A DEPTH OF 6" PRIOR TO ANY SPRINKLER WORK.
- BACKFILL WITH NATIVE SOIL. APPLY FERTILIZER TO SURFACE AWAY FROM TRUNK PER SPECIFICATIONS.



- LIGHTLY DUST DECOMPOSED GRANITE OVER ROOTBALL.
- CREATE GENTLE SWALE DEPRESSION- DO NOT FORM RAISED BASIN.
- DO NOT BURY TOP OF ROOTBALL.
- PLANTING SOIL MIXTURE (REFER TO SOIL SPECIFICATIONS).
- PIT WIDTH: 3X DIAMETER OF CONTAINER, PIT DEPTH TO EQUAL ROOTBALL.

NOTE: PLANTS SHALL BE INSPECTED FOR ROOTBOUND CONDITIONS BEFORE PLANTING. ANY ROOTBOUND PLANT SHALL BE REPLACED WITH SUITABLE PLANT.



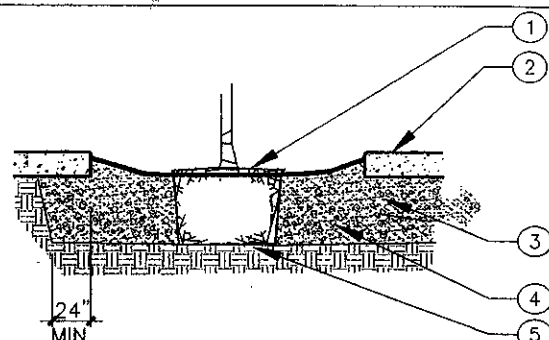
- 8" DIA. HOSE RING/ WIRE TIES. PLACE TIES 6" ABOVE THE TREE'S TRUNK BENDING POINT.
- 2" DIA. TREE STAKES. HAMMER 6" MIN. INTO UNDISTURBED SOIL. TRIM STAKES TO 6" ABOVE TIE POINTS (ORIENTATE STAKES NORTH AND SOUTH).
- LIGHTLY DUST DECOMPOSED GRANITE OVER ROOTBALL.
- CREATE GENTLE SWALE DEPRESSION DO NOT FORM RAISED BASIN.
- DO NOT BURY TOP OF ROOTBALL.
- PLANTING SOIL MIXTURE (REFER TO SOIL SPECIFICATIONS).
- PIT WIDTH: 3x DIA. OF CONTAINER. PIT DEPTH TO EQUAL ROOTBALL.

NOTE: PLANTS SHALL BE INSPECTED FOR ROOT BOUND CONDITIONS BEFORE PLANTING. ANY ROOT BOUND PLANT SHALL BE REPLACED WITH SUITABLE PLANT.

1

## GROUNDCOVERS

NO SCALE



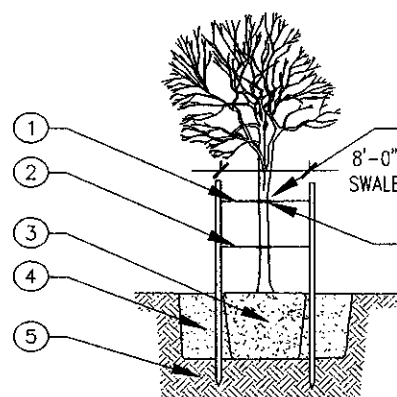
NOTE: 48" & LARGER BOX TREES ARE TO BE INSTALLED PRIOR TO MAIN ENTRY HARDSCAPE.

- DO NOT BURY TOP OF ROOTBALL WITH SOIL MIX.
- CONCRETE SLAB- REFER TO ARCHITECTURAL.
- EXTEND STRUCTURAL SOIL BETWEEN PLANTERS. SEE LANDSCAPE PLANS.
- BACK FILL WITH 90% SANDY LOAM AND 2" MINUS GRAVEL SOIL MIX. COMPACT PER SOILS REPORT.
- DEPTH OF PIT NO DEEPER THAN ROOT BALL, CONTINUOUS ALONG ENTIRE SOIL AREA.

2

## SHRUB PLANTING

NO SCALE



- WIRE TO STAKE W/ HEAVY DUTY VINYL STAPLE (DATE WIRE)
- OPTIONAL HOSE TIE- SEE NOTES BELOW.
- ROOTBALL.
- PREPARE SOIL AS SPECIFIED.
- NATIVE SOIL.
- 1/2" INSIDE DIAMETER RUBBER HOSE TIE, LOOPED WITH 12 GAUGE WIRE. MAINTAIN MIN. 1/2" I.D. LOOP FOR TREE. USE 12 GAUGE DOUBLE STAND GALV. OR ANNEALED WIRE TO TIE DOWN TREE.
- LOCATE FIRST TIE DOWN SCAFFOLD.

12 GAUGE GALV. OR ANNEALED WIRE.  
2-2"Ø WOOD STAKE.  
8" to 12"  
TREE TRUNK  
1/2" I.D. RUBBER HOSE LOOPED WITH WIRE.

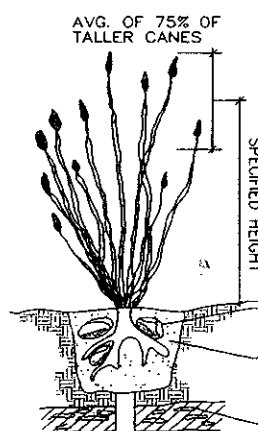
## NOTES:

- TREE PITS SHALL NOT BE AUGER DUG. SIDES OF PIT SHALL BE STAKED TO LOOSEN PRIOR TO SETTING TREE IN PIT.
- GENTLY LOOSEN ROOTS AROUND EXTERIOR OF ROOTBALL.
- DO NOT PLANT ROOT BOUND PLANTS. NOTIFY C.O.P. LANDSCAPE ARCHITECT IMMEDIATELY TO VERIFY CONDITION OF PLANT IF ANY QUESTION. REMOVE ENTIRE CONTAINER FROM ALL PLANTS PRIOR TO PLANTING.
- DO NOT PRUNE NEW TREES WITHOUT CITY OF PHOENIX LANDSCAPE APPROVAL/ DIRECTION.
- USE 2-2"Ø LODGE POLE DOUG FIR STAKE OR APPROVED HARDWOOD. DRIVE STAKE MIN. 12" INTO FIRM UNDISTURBED SOIL BELOW PLANTING PIT. DO NOT DRIVE STAKE INTO ROOTBALL. HEIGHT OF STAKE VARIES- TOP TIE PLACED FOR MAX. SUPPORT. BOTTOM TIE 1/2 WAY BETWEEN TOP TIE AND GROUND.
- LOCATE STAKE TO PREVENT DAMAGE TO TREE.
- SET ROOTBALL 1" HIGHER THAN SURROUNDING GRADE. SWALE FOR WATER COLLECTION.
- FERTILIZER: REFER TO C.O.P. SUPPLEMENT SECTION 430.10 AND 795.3.
- PLANTING PIT TO BE 3X THE WIDTH OF THE 12" ROOT BALL. CENTER TREE IN PLANTING PIT. DO NOT OVER EXCAVATE DEPTH OF PLANTING
- PIT TO AVOID SETTLING.

4

## TREE PLANTER AT GRADE

NO SCALE



PLANTING DEPTH TO BE THAT AT WHICH PLANT WAS GROWN.

ROOT PRUNE ALL SHREDDED OR DAMAGED ROOTS AND SEAL ALL WOUNDS OR CUTS WITH PRUNING PAINT. AT SITE DUST ENTIRE ROOT STRUCTURE WITH WETTABLE DUSTING SULFUR (1.5 MIN.).

APPLY "SUPERTHRIVE", "B1", OR OTHER APPROVED HORMONE AS DIRECTED BY THE MFG. FOR 2 WATERINGS COMMENCING IMMEDIATELY AFTER INSTALLATION. WATER WEEKLY THROUGH SUMMER.

NO TRANSPLANTING OPERATIONS MAY OCCUR PRIOR TO 5 DAYS BEFORE INSTALLATION ON SITE.

USE 6"-8" ROCKS TO ANCHOR ROOTS.

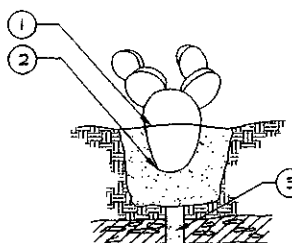
PLANTING MIX SHALL BE 1/3 NITROGEN STABILIZED MULCH AND 2/3 SPEC. SOIL.

IN AREAS WHERE CALICHE OR HARDPAN OCCURS BENEATH THE ROOTS BORE THROUGH IT WITH AN 8" DIAMETER HOLE.

5

## SALVAGED TREE PLANTING

NO SCALE



- PLANTING DEPTH TO BE 2/3 OF LARGE BASE PAD.
- ENSURE ALL WOUNDS TO THE ROOT SYSTEM ARE CLEAN CUT BEFORE PLANTING

APPLY DUSTING SULFUR TO ALL AREAS BELOW GRADE.  
ROOT PRUNE ALL SHREDDED OR DAMAGED ROOTS.

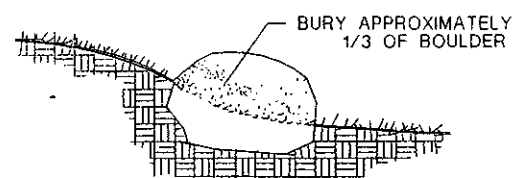
- 75% OF TAPROOT MUST BE DAMAGED-FRILE.

FILL THE EXCAVATED HOLE WITH WATER TO TEST FOR DRAINAGE. IF WATER IS STILL STANDING AFTER 14 HOURS, AUGER A 6" DIA. HOLE 1' TO 3' DEEP THROUGH HARDPAN.

NOTE: WITH NATIVE PLANTS HARVESTED FROM SITE, ALLOW BASE TO CALLOUS OVER 3 DAYS MIN. IN COOL DRY PLACE PRIOR TO PLANTING.

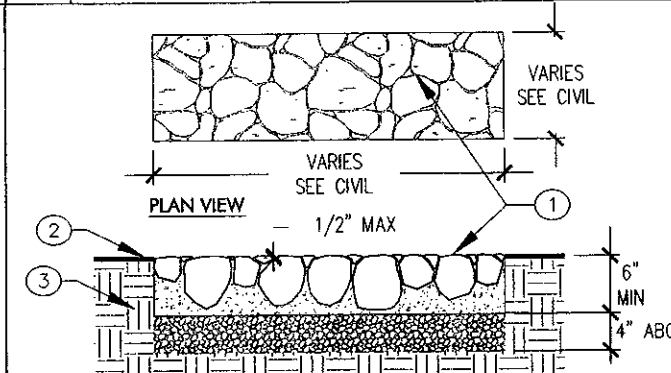
DECOMPOSED GRANITE SURFACE BOULDER TO BE PLACED BY STRAPS OR CABLES. BOULDERS WITH EXCESSIVE SCARRING WILL BE REJECTED.

FOR SIZING OF BOULDERS SEE COVER SHEET.



## NOTE:

- BOULDER HEIGHT NOT TO EXCEED 2'-0" ABOVE NEAREST TOP OF CURB ELEVATION IN SIGHT VISIBILITY TRIANGLE (SVT)
- SET BOULDERS MIN. 10'-0" FROM CITY STREETS.



## SECTION

- 6"-8" Ø STONE. COLOR: COCO BROWN BY PIONEER LANDSCAPING MATERIALS, INC. 480.926.8200 SET ON INTEGRALLY COLORED CONCRETE BED. COLOR TO MATCH STONE. FILL JOINTS WITH SMALLER SIZE ROCK TO COMPLETELY COVER VISIBLE GAPS. RIP RAP TO BE FLUSH WITH ADJACENT FINISH GRADE
  - FINISH GRADE
  - NATIVE SOIL
- REFERENCE CIVIL DRAWINGS FOR RIP RAP SIZE, LOCATION AND LAYOUT

7

## OCOTILLO PLANTING

NO SCALE

8

## CACTUS PLANTING

NO SCALE

9

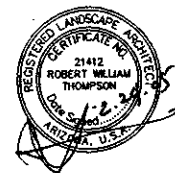
## BOULDER DETAIL

NO SCALE

10

## RIP RAP DETAIL

NO SCALE



36.DR.2003  
construction documents

L6.1

landscape details

scottsdale first assembly  
**DREAM CENTER**

28700 north pima road  
scottsdale, arizona  
APN: 216-70-008  
R1-190 E.S.L.F.O.

25 JUNE 2004  
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0142

**DeBARTOLO architects**  
4450 north twelfth street  
number 268  
phoenix, arizona 85014  
tel 602.264.6617  
fax 602.264.0891

**e group.**  
817 north central avenue  
phoenix, arizona 85004  
tel 602.462.9000  
fax 602.462.9001  
e group # 203145

TEST COCKS W/BRASS PLUGS OR ADAPTERS W/ CAPS INSTALLED. (4 REQUIRED)

COPPER TYPE "L" PIPE SPOOL 3/4" THRU 2-1/2"

COPPER 90 ELBOW 3/4" THRU 2-1/2"

COPPER TYPE "L" PIPE SPOOL 3/4" THRU 2-1/2"

INLET TO BE AS CLOSE TO SERVICE CONNECTION AS POSSIBLE COPPER ON INLET SIDE.

FLOW

12" MIN. 24" MAX.

COPPER TYPE "L" PIPE SPOOL

48" MIN. COPPER TO PVC MAINLINE

CITY APPROVED REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY W/DOUBLE CHECK VALVES.

COPPER TYPE "L" PIPE SPOOL 3/4" THRU 2-1/2"

COPPER 90 ELBOW 3/4" THRU 2-1/2"

COPPER TYPE "L" PIPE SPOOL 3/4" THRU 2-1/2"

INLET TO BE AS CLOSE TO SERVICE CONNECTION AS POSSIBLE COPPER ON INLET SIDE.

CONTACT THE CITY, WATER AND WASTEWATER OPERATIONS FOR LATEST LIST OF APPROVED BACKFLOW PREVENTION ASSEMBLIES OR CERTIFIED TESTERS.

BACKFLOW PREVENTERS MUST BE TESTED BY A CERTIFIED TESTED BEFORE FINAL APPROVAL IS ISSUED.

COPPER FITTINGS SHALL BE CONNECTED WITH LEAD FREE SOLDER JOINTS.

ALL NIPPLES TO BE BRASS OR COPPER.

PIPING UNDER CITY RIGHT-OF-WAY MUST BE COPPER TYPE "K"

CALL BACKFLOW PREVENTION, FOR UNDERGROUND INSPECTION PRIOR TO BACKFILLING TRENCHES.

INSTALL BACKFLOW UNIT WITHIN AN APPROVED SECURITY CAGE.

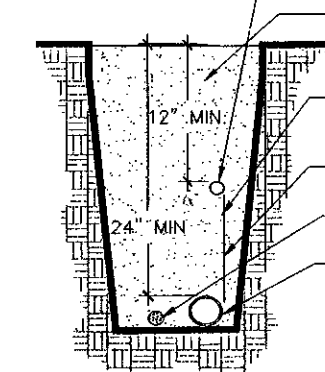
PLAN SYMBOL:

NOTE: REFER TO SPECIFICATIONS FOR MORE INFORMATION CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION AS PER LOCAL CODE.

## BACKFLOW PREVENTION ASSEMBLY 3/4" THRU 2 1/2"

NOTE: SOIL DENSITY AROUND VALVE ASSEMBLY TO SAME DENSITY AS UNDISTURBED SOIL.

P.V.C. LATERAL



BACKFILL IN TRENCH TO BE VOID OF ANY MATERIAL THAT MAY DAMAGE OR IMPAIR PIPES OR WIRING

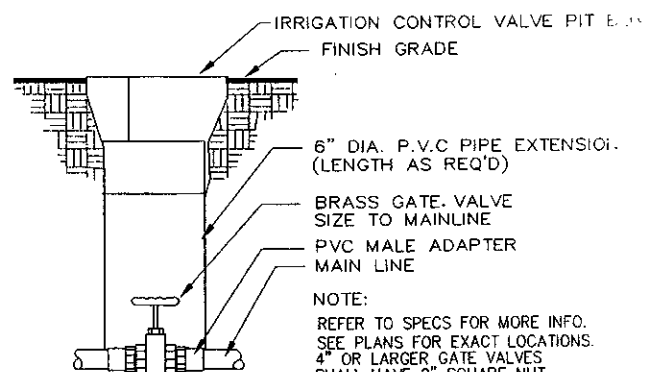
MIN. 4" HOR. CLEARANCE BETWEEN PIPES

4" CLR. OUT TO OUT V

BUNDLE AND TAPE ALL WIRING AT 10" O.C.

P.V.C. MAINLINE

NOTE: SNAKE PIPE AND WIRING IN TRENCHES TO ALLOW FOR CONTRACTION



IRRIGATION CONTROL VALVE PIT ELEV.

FINISH GRADE

6" DIA. P.V.C. PIPE EXTENSION (LENGTH AS REQ'D)

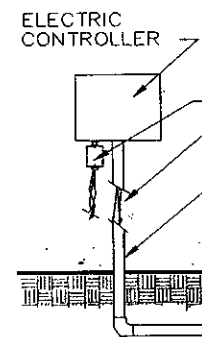
BRASS GATE VALVE SIZE TO MAINLINE

PVC MALE ADAPTER MAIN LINE

NOTE: REFER TO SPECS FOR MORE INFO. SEE PLANS FOR EXACT LOCATIONS. 4" OR LARGER GATE VALVES SHALL HAVE 2" SQUARE NUT.

PLAN SYMBOL:

## ELECTRIC CONTROLLER



-MOUNT CONTROLLER PER MANUFACTURER'S SPECIFICATIONS  
-INSTALL WIRE PER LOCAL CODE

"J" BOX AS PER LOCAL CODE 110VAC POWER SUPPLY PROVIDED BY GENERAL CONTRACTOR.

VALVE CONTROL WIRE (TYPE UF)

CONDUIT FOR CONTROL WIRING

NOTE: REFER TO PLANS FOR EXACT LOCATION. SEE SPECS & WIRING DIAGRAM FOR MORE INFORMATION.

DIRECT BURIAL WIRES TO VALVES

## ELECTRIC VALVE WIRING

NOTE: SEE TRENCHING DETAIL AND SPEC. 11 FOR MORE INFORMATION. ALL VALVE CONTROL WIRING TO MEET LOCAL CODE FOR CLASS 2 (30VAC OR LESS) CIRCUITS. IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE TO ALL FEDERAL, STATE AND LOCAL CODES. ALL CONTROL AND COMMON WIRING TO BE COLOR CODED, AND SHALL BE SIZED AS PER VALVE MANUFACTURER'S RECOMMENDATIONS.

155VAC 60Hz POWER SOURCE BY GENERAL CONTRACTOR

TYPE UF DIRECT BURIAL COMMON WIRE (TO ALL VALVES) VALVE (TYP.) IRRIGATION CONTRACTOR

TYPE UF DIRECT BURIAL CONTROL WIRES (ONE CONTROL WIRE PER VALVE - TYP.)

NOTE: REFER TO PLANS FOR EXACT LOCATION. SEE SPECS & WIRING DIAGRAM FOR MORE INFORMATION.

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## TRENCHING

SCALE: NO SCALE

4

## GATE VALVE + COVER

SCALE: NO SCALE

5

## QUICK COUPLER VALVE

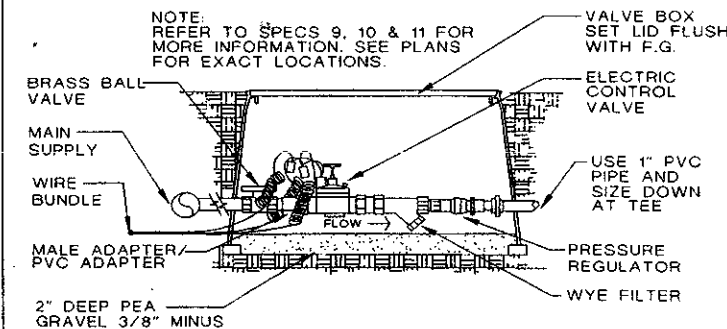
SCALE: NO SCALE

6

## THRUST BLOCKS

SCALE: NO SCALE

7



NOTE: REFER TO SPECS 9, 10 & 11 FOR MORE INFORMATION. SEE PLANS FOR EXACT LOCATIONS.

VALVE BOX SET LID FLUSH WITH F.G.

ELECTRIC CONTROL VALVE

USE 1" PVC PIPE AND SIZE DOWN AT TEE

PRESSURE REGULATOR

WYE FILTER

2" DEEP PEA GRAVEL 3/8" MINUS

PLAN SYMBOL:

## ELEC. REMOTE CONTROL DRIP VALVE

SCALE: NO SCALE

8

## SINGLE-PORT EMITTER

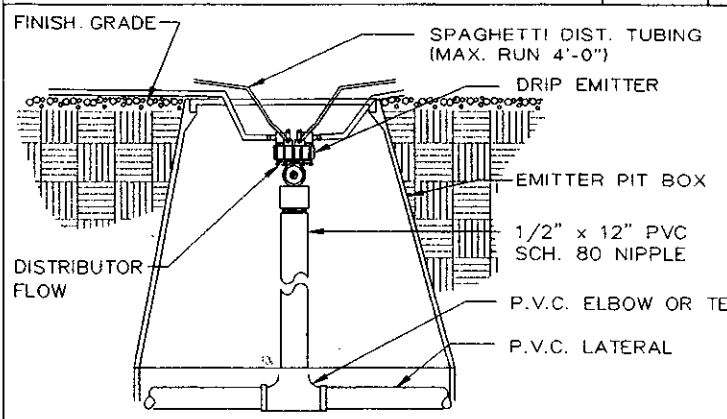
SCALE: NO SCALE

9

## PVC DRIP SYSTEM LAYOUT

SCALE: NO SCALE

10



SPAGHETTI DIST. TUBING (MAX. RUN 4'-0")

DRIP EMITTER

EMITTER PIT BOX

1/2" x 12" PVC SCH. 80 NIPPLE

P.V.C. ELBOW OR TEE

P.V.C. LATERAL

DISTRIBUTOR FLOW

PLAN SYMBOL:

## MULTI-PORT EMITTER

SCALE: NO SCALE

11

## TREES ON PVC DRIP SYSTEM

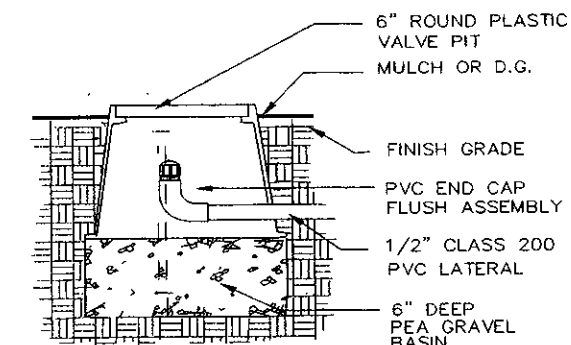
SCALE: NO SCALE

12

## FLUSH VALVE

SCALE: NO SCALE

13



6" ROUND PLASTIC VALVE PIT

MULCH OR D.G.

FINISH GRADE

PVC END CAP FLUSH ASSEMBLY

1/2" CLASS 200 PVC LATERAL

6" DEEP PEA GRAVEL BASIN

PLAN SYMBOL:

CALL TWO WORKING DAYS BEFORE YOU DIG  
263-1100  
1-800-STAKE-IT  
(OUTSIDE MARICOPA COUNTY)

native plant inventory

DRB case

plan check

72-NP-2004 36.DR.2003 4842.01.4



36.DR.2003  
construction documents

L6.2

irrigation details

scottsdale first assembly  
**DREAM CENTER**

28700 north pima road  
scottsdale, arizona  
APN: 216-70-008  
R1-190 E.S.L.F.O.

25 JUNE 2004  
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0142

**DeBARTOLO** architects  
4450 north twelfth street  
number 268  
phoenix, arizona 85014  
tel 602.264.6617  
fax 602.264.0891

**e group.**  
817 north central avenue  
phoenix, arizona 85004  
tel 602.462.9000  
fax 602.462.9001  
e group # 203145