

# IMPROVEMENT PLANS FOR: STOCK RANCH NATURE PRESERVE BY CITY OF CITRUS HEIGHTS AND SUNRISE RECREATION AND PARK DISTRICT CITRUS HEIGHTS - CALIFORNIA

## GENERAL NOTES

**SPECIFICATIONS:** SEE THE GENERAL PROVISIONS, SPECIAL PROVISIONS, GENERAL REQUIREMENTS, AND TECHNICAL SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS. TECHNICAL SPECIFICATIONS ARE AN INTEGRAL PART OF THESE DRAWINGS. UPON GIVING A BID PRICE, IT IS ASSUMED THAT THE CONTRACTOR IS FAMILIAR WITH THE PROJECT SITE CONDITIONS AND HAS READ AND UNDERSTANDS ALL INFORMATION CONTAINED THEREIN.

**UNAUTHORIZED CHANGES AND USES:** FOOTHILL ASSOCIATES WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY FOOTHILL ASSOCIATES.

**BASE SHEET DATA:** THE PROPOSED IMPROVEMENTS SHOWN ON THESE DRAWINGS ARE DRAWN ONTO A BASE SHEET FORMED FROM THE TOPOGRAPHIC SURVEY, ARCHITECTURAL AND/OR ENGINEERING DOCUMENTS, AND OTHER DATA THAT HAS BEEN MADE AVAILABLE TO FOOTHILL ASSOCIATES. FOOTHILL ASSOCIATES SHALL NOT BE HELD LIABLE FOR CHANGES, INACCURACIES, OMISSIONS, OR OTHER ERRORS ON DOCUMENTS PROVIDED TO US. THE BASE SHEET DATA IS PROVIDED AS AN AID ONLY AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING THESE DOCUMENTS AND INCORPORATING/INTEGRATING ALL CONSTRUCTION AS REQUIRED TO ACCOMMODATE SAME.

THE FOLLOWING IS THE LIST OF SOURCES OF THE BASE SHEET DATA:  
1) ACAD-I1440\_TOPO BY BENNETT ENGINEERING, DATED AUGUST 9, 2012.

**CONTRACTOR:** ALL WORK IS TO BE PERFORMED BY A LICENSED CONTRACTOR AND EXPERIENCED WORKERS. THE CONTRACTOR SHALL CONFORM TO ALL LOCAL CODES AND OBTAIN AND PAY FOR ALL PERMITS NECESSARY TO COMPLETE THE WORK.

**JOB SITE CONDITIONS:** THE CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES THAT THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY, AND HOLD THE OWNER AND FOOTHILL ASSOCIATES HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR FOOTHILL ASSOCIATES. TEMPORARY FENCING SHALL BE PROVIDED AND MAINTAINED AROUND SITE PERIMETER AND AT LOCATIONS DEEMED NECESSARY BY CONTRACTOR. TEMPORARY FENCING SHALL BE 6' CHAIN LINK WITH PEDESTAL TYPE BASE. RELOCATE AS NECESSARY DURING CONSTRUCTION.

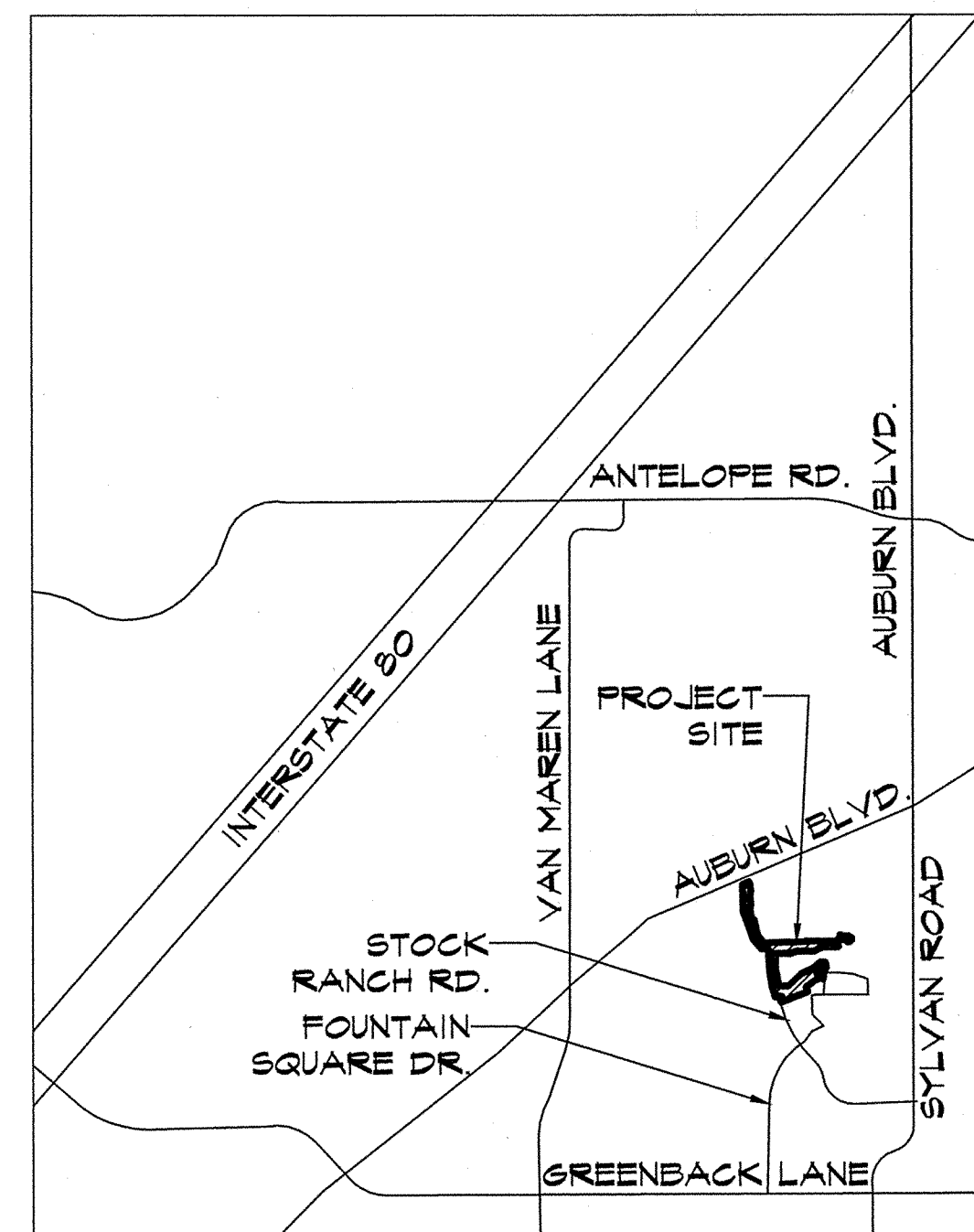
**UTILITIES:** PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE UTILITY COMPANIES INVOLVED IN THE VICINITY OF CONSTRUCTION AND REQUESTING A VISUAL VERIFICATION OF THE LOCATIONS OF THEIR FACILITIES. MOST UTILITY COMPANIES ARE MEMBERS OF THE UNDERGROUND SERVICE ALERT (U.S.A.) ONE-CALL PROGRAM. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY MEMBERS OF THE U.S.A. 48 HOURS IN ADVANCE OF PERFORMING EXCAVATION WORK BY CALLING THE TOLL-FREE NUMBER (800) 221-2600. EXCAVATION IS DEFINED AS BEING 12 OR MORE INCHES IN DEPTH BELOW THE EXISTING SURFACE. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. THE CONTRACTOR IS CAUTIONED THAT ONLY EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATION, AND DEPTHS OF SUCH UNDERGROUND UTILITIES. HOWEVER, FOOTHILL ASSOCIATES CANNOT ASSUME RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF THE DELINEATION OF SUCH UTILITIES, OR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH ARE NOT SHOWN ON THESE DRAWINGS.

**COORDINATION:** THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE SCHEDULING OF CONSTRUCTION OPERATIONS WITH CONSTRUCTION OPERATIONS OF OTHERS WORKING ON OR NEAR THE PROJECT SITE.

**EMISSIONS:** THE CONTRACTOR SHALL MAINTAIN AND OPERATE CONSTRUCTION EQUIPMENT TO MINIMIZE EXHAUST EMISSIONS. DURING CONSTRUCTION, TRUCKS AND EQUIPMENT SHALL BE OPERATED ONLY WHEN NECESSARY AND ENGINES SHALL BE SHUT OFF WHEN TRUCKS ARE BEING LOADED OR UNLOADED OR OTHERWISE STATIONARY. EQUIPMENT SHALL BE MAINTAINED IN GOOD CONDITION AND WELL-TUNED TO MINIMIZE EXHAUST EMISSIONS.

**FIRE LANES:** FIRE LANE ACCESS SHALL BE MAINTAINED AT ALL TIMES. STAGING AREAS AND CONSTRUCTION VEHICLES SHALL NOT BLOCK FIRE LANES.

## LOCATION MAP



## SURVEY CONTROL POINTS

THE TOPOGRAPHIC SURVEY WAS BASED ON FIVE CONTROL POINTS. TOPOGRAPHIC SURVEY AND CONTROL POINTS CAN BE PROVIDED ELECTRONICALLY TO CONTRACTOR.

1 - UTILITY MANHOLE NEXT TO AUBURN BOULEVARD N 2014364.5000, E 6761719.1320, ELEV. 143.30
2 - NAIL SOUTH OF BRIDGE N 2012561.8340, E 6762206.8770, ELEV. 135.61
3 - UTILITY MANHOLE ALONG EXISTING ACCESS TRAIL N 2012814.2000, E 6762664.8490, ELEV. 144.02
4 - CENTER OF INTERSECTION OF TWO ACCESS TRAILS N 2012994.1300, E 6762715.0770, ELEV. 134.05
5 - CENTER OF INTERSECTION OF TWO ACCESS TRAILS N 2013107.8340, E 6762879.4980, ELEV. 133.32

## DRAWING INDEX

1	COVER SHEET
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5-6	PLANTING PLAN
7	IRRIGATION PLAN
8-14	DETAIL SHEETS

## SCHEDULE OF ADDITIVE ALTERNATES

AA-1: MAJOR GATEWAYS CONTRACTOR SHALL INSTALL 2 MAJOR GATEWAYS PER PLANS, AS SHOWN ON SHEET 2.
AA-2: MINOR GATEWAYS CONTRACTOR SHALL INSTALL 2 MINOR GATEWAYS PER PLANS AS SHOWN ON SHEET 2 AND 4.
AA-3: BUTTERFLY CUTOUTS INSTALL 4 PAIRS OF CUSTOM FABRICATED STEEL BUTTERFLY CUTOUTS ON GARDEN BENCHES PER DETAIL 5, SHEET 10.
AA-4: BRIDGE RAILING REPLACEMENT REPLACE TWO ADDITIONAL 20' SECTIONS OF BRIDGE RAILING WITH WIRE MESH RAILING AS SHOWN ON DETAIL 3, SHEET 4.
AA-5: DRINKING FOUNTAIN INSTALL DRINKING FOUNTAIN, SUMP, BACKFLOW PREVENTION DEVICE AND DOMESTIC WATER LINE PER PLANS.

## SUBMITTED BY:

*Meredith Branstad* 5-1-2013  
MEREDITH BRANSTAD  
FOOTHILL ASSOCIATES DATE

## ACCEPTED BY:

CITRUS HEIGHTS WATER DISTRICT DATE

CITY OF CITRUS HEIGHTS DATE

REVISION/ISSUE	BY

COVER SHEET

STOCK RANCH  
NATURE PRESERVE  
CITY OF CITRUS HEIGHTS

LANDSCAPE ARCHITECT OF RECORD



FOOTHILL ASSOCIATES  
ENVIRONMENTAL CONSULTING PLANNING LANDSCAPE ARCHITECTURE  
590 MERIDIAN DRIVE, SUITE 105  
ROCKLIN, CALIFORNIA 95765  
(916) 855-5202  
© 2013

DRAWN BY  
MMB  
DATE  
4/7/2013  
SCALE  
AS SHOWN  
JOB NAME  
1100098  
SHEET



**CONSTRUCTION NOTES**

**SPECIFICATIONS:** SEE TECHNICAL SPECIFICATIONS AND GENERAL NOTES FOR ADDITIONAL INFORMATION INCLUDING UTILITIES VERIFICATION, PROTECTION, AND RESTORATION INFORMATION AND REQUIREMENTS.

**DIMENSIONS:** ALL WRITTEN DIMENSIONS SUPERSEDE SCALED DIMENSIONS.

**LAYOUT:** SEE PLANS FOR DIMENSION ORIGINS. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION STAKING. THE CONTRACTOR SHALL CONTACT THE LANDSCAPE ARCHITECT BY TELEPHONE AND IN WRITING FOR CLARIFICATION OF ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND PLANS PRIOR TO PROCEEDING WITH WORK. ALL FIELD ADJUSTMENTS MUST BE APPROVED IN WRITING BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

**SLEEVING:** REFER TO IRRIGATION PLAN FOR REQUIREMENTS OF SLEEVING UNDER PAVING.

**SOIL COMPACTION:** COMPACT ALL FILL AREAS AND PREPARED SUBGRADE 95% IN LIFTS OF 12 INCH MAXIMUM, EXCEPT UPPER 12 INCHES OF ALL PLANTING AREAS. COMPACT PLANTING AREAS TO 80% MAXIMUM. SEE SPECIFICATIONS.

**TRENCH BACKFILL:** SEE SPECIFICATIONS.

**GRADES:** PROVIDE POSITIVE DRAINAGE THROUGHOUT ALL, WALKWAY, PAVING AND PLANTING AREAS. CONTRACTOR SHALL FLOOD PAVED AREAS UPON COMPLETION AND RECONSTRUCT ANY LOW SPOTS BY REMOVING PAVING THAT DOES NOT DRAIN AND REPLACING IT AT NO ADDITIONAL COST WITH POSITIVELY DRAINING PAVING AS DIRECTED BY THE OWNER'S REPRESENTATIVE.

SLOPE AWAY FROM EDGES OF NEW SURFACE IMPROVEMENTS TO MEET EXISTING GRADES AT 2:1 MAXIMUM.

**CUT AND FILL:** NO IMPORT OF SOIL IS ANTICIPATED FOR THIS PROJECT. USE SOIL EXCAVATED FOR PAVING, TRAILS, AND FOOTINGS FOR FILL IN OAK WOODLAND AREA AND GARDEN.

**EROSION CONTROL:** THE CONTRACTOR IS RESPONSIBLE FOR SOIL EROSION CONTROL MEASURES THAT MAY BE REQUIRED THROUGH THE DURATION OF THE CONTRACT PERIOD. SHOULD SOIL EROSION CONDITIONS EXIST THAT REQUIRE MITIGATION WHEN THE CONTRACTOR INITIALLY ACCEPTS THE SITE, THE LANDSCAPE ARCHITECT OR OWNER SHALL BE ALERTED BY TELEPHONE AND IN WRITING. FAILURE OF THE CONTRACTOR TO NOTIFY THE LANDSCAPE ARCHITECT OR THE OWNER IMPLIES ACCEPTANCE OF THE SITE BY THE CONTRACTOR IN ITS EXISTING CONDITION. ALL COSTS NECESSARY TO MITIGATE EXISTING EROSION PROBLEMS SHALL BE AT THE CONTRACTOR'S EXPENSE AND NO ADDITIONAL COST TO THE OWNER OR INCREASE IN ORIGINAL BID AMOUNT SHALL BE PERMITTED. HYDROSEED ALL AREAS DISTURBED BY CONSTRUCTION.

**SITE FURNISHINGS:** INSTALL PER MANUFACTURER SPECIFICATIONS UNLESS OTHERWISE INDICATED. FOOTING DEPTHS SHALL CONFORM TO MANUFACTURER SPECIFICATIONS.

**TRASH RECEPTACLES:** TRASH RECEPTACLES WILL BE INSTALLED BY CITY OF CITRUS HEIGHTS. CONTRACTOR RESPONSIBLE FOR PROVIDING 3'X3'X4" THICK CONCRETE PAD AT LOCATIONS SHOWN ON PLANS.

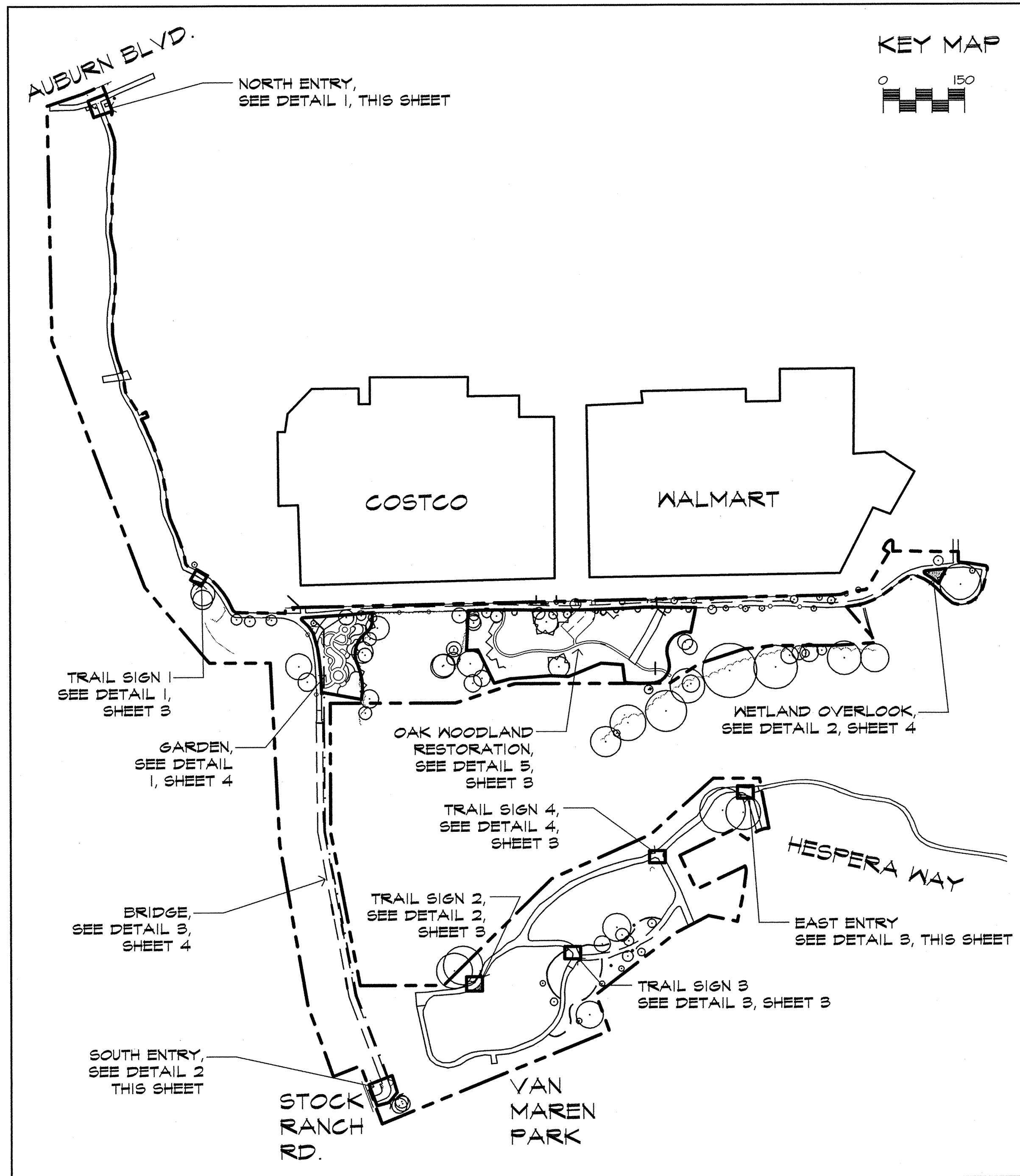
**DEMOLITION NOTES**

**CLEARING AND GRUBBING:** CLEAR AND GRUB TO THE LIMITS OF WORK PER SPECIFICATIONS TAKING CARE TO NOT DISTURB THE ROOT SYSTEMS OF EXISTING TREES TO REMAIN.

**EXISTING UTILITY BOXES:** ADJUST ALL UTILITY BOXES TO BE FLUSH WITH FINISHED GRADE.

**EXISTING PAVING TO REMAIN:** IN LOCATIONS WHERE NEW PAVING OR PATHWAYS WILL BE CONSTRUCTED NEXT TO EXISTING PAVING, ENSURE DURING THE CONSTRUCTION PROCESS THAT A SMOOTH TRANSITION CAN BE MADE FROM THE EXISTING PAVING TO THE PROPOSED PAVING OR WALKWAY. RECONSTRUCT EXISTING PAVING AT SUCH LOCATIONS IF NECESSARY.

**EXISTING TREES TO REMAIN:** IF NECESSARY FOR CONSTRUCTION ACCESS, EXISTING TREES TO REMAIN SHALL BE PRUNED UNDER THE DIRECTION OF A CERTIFIED ARBORIST IN ACCORDANCE WITH INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) GUIDELINES PRIOR TO BEGINNING OF CONSTRUCTION. DURING CONSTRUCTION, TREE PROTECTION FENCING SHALL BE INSTALLED AT THE DRIP LINE OF ALL EXISTING TREES TO REMAIN. ALL EXCAVATION WITHIN THE DRIP LINES OF EXISTING TREES TO REMAIN SHALL BE DONE BY HAND WITH CARE TAKEN NOT TO DAMAGE THE ROOT SYSTEMS OF THESE TREES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSURING THE HEALTH OF THE TREES TO REMAIN. DO NOT WATER CALIFORNIA NATIVE OAK TREES TO REMAIN DURING THE DRY SEASON (APRIL- OCTOBER) UNLESS INSTRUCTED BY PROJECT ARBORIST OR LANDSCAPE ARCHITECT. TREES THAT DIE DURING THE CONSTRUCTION AND MAINTENANCE PERIOD SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER AT THEIR CURRENT SIZE.



**KEY MAP**



**LAYOUT LEGEND**

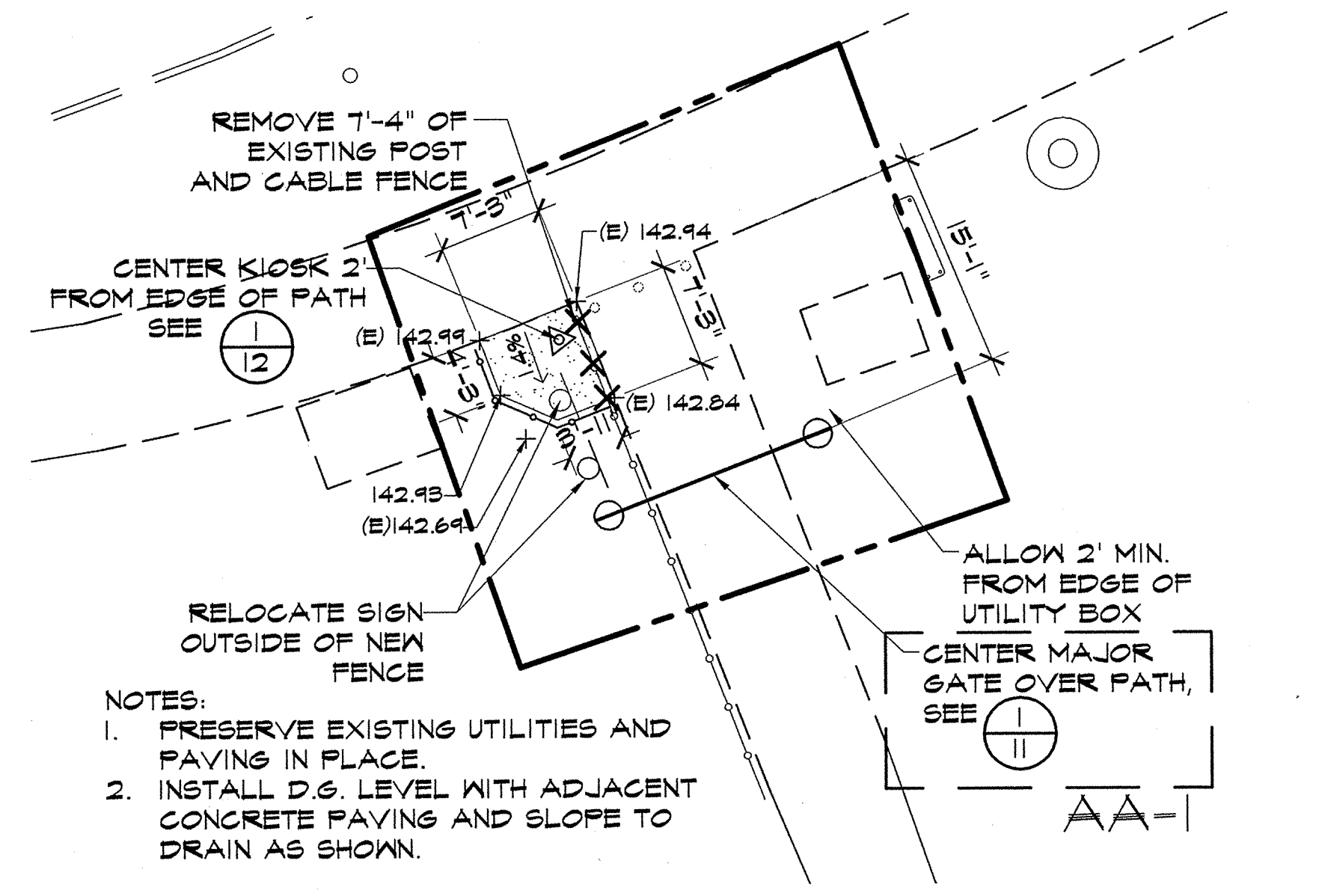
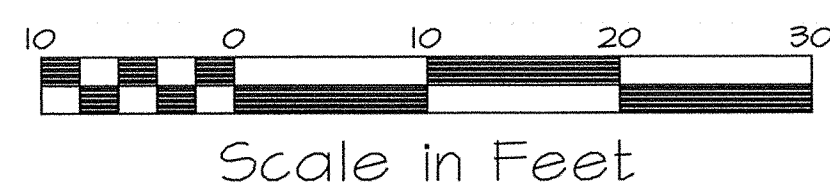
- PT N 14417.41  
E 35655.27      COORDINATE POINT
- PA      PLANTING AREA
- PB      POINT OF BEGINNING
- PT      POINT OF TANGENCY
- INT      POINT OF INTERSECTION
- CR      CENTER OF RADIUS
- EJ      EXPANSION JOINT
- DECOMPOSED GRANITE (2/8)
- POST AND CABLE FENCE (3/8)
- CONCRETE PAVING (4/8)

**DEMOLITION LEGEND**

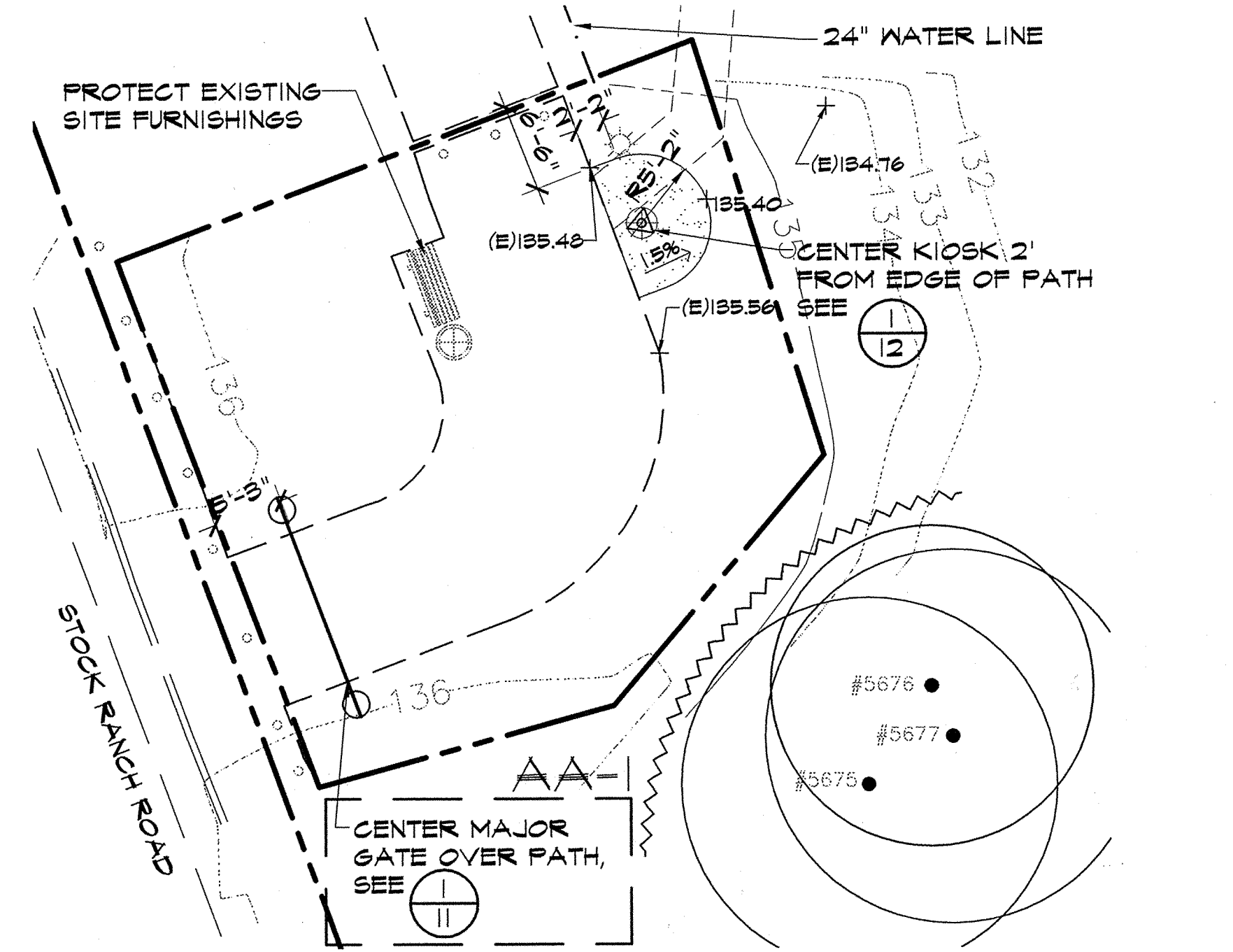
- XXX REMOVE AND DISPOSE OF ITEM INDICATED
- TREE PROTECTION FENCE (1/8)

**GRADING LEGEND**

- +142.95 ELEVATION OF FINISHED SURFACE
- (E) EXISTING ELEVATION
- 1.5% SLOPE

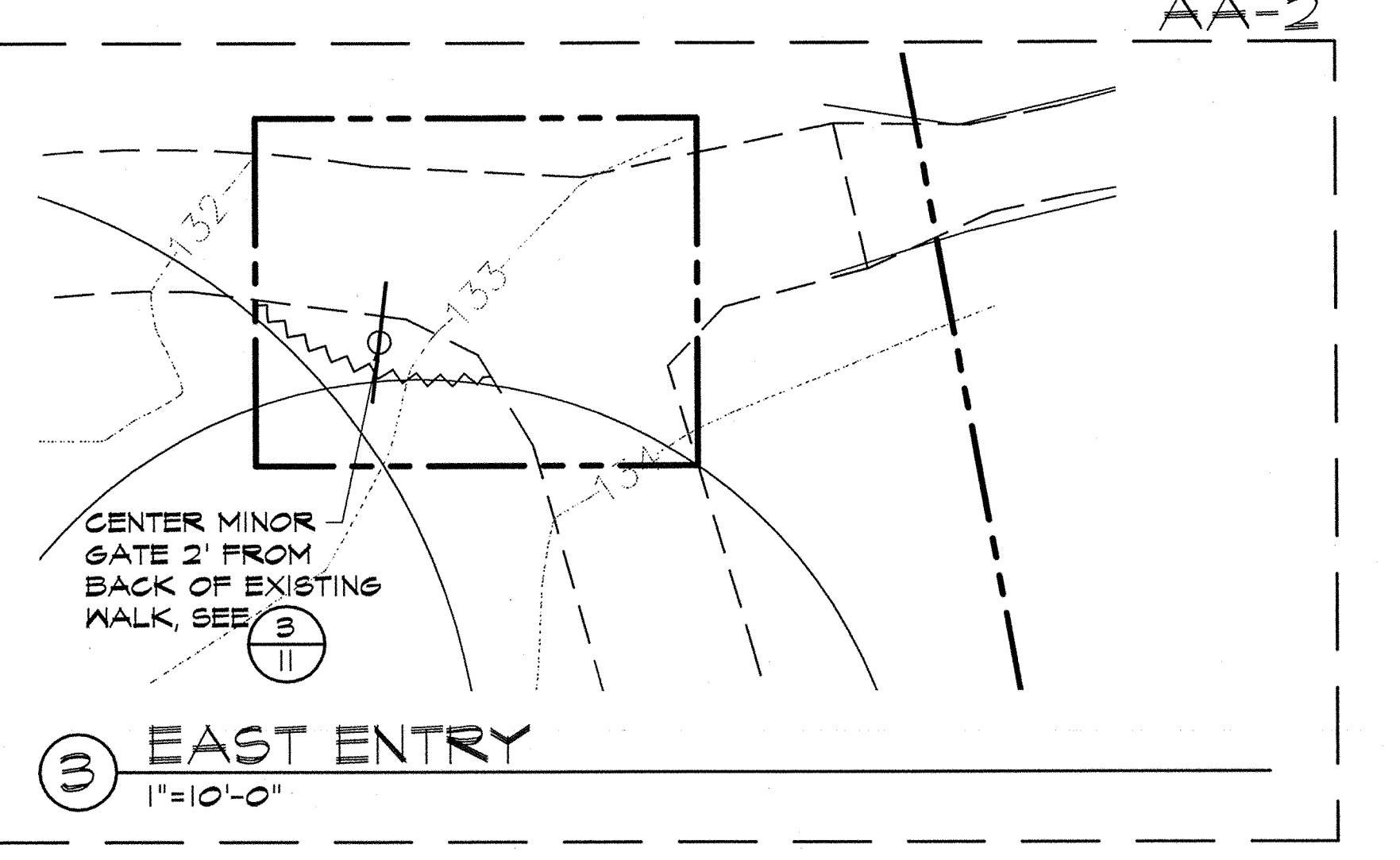


**1 NORTH ENTRY**  
1"=10'-0"



NOTE: LOCATE EXISTING 24" WATERLINE PRIOR TO CONSTRUCTING KIOSK FOOTING. RELOCATE KIOSK AS NECESSARY TO AVOID IMPACTING WATER LINE. CONFIRM KIOSK LOCATION WITH LANDSCAPE ARCHITECT.

**2 SOUTH ENTRY**  
1"=10'-0"



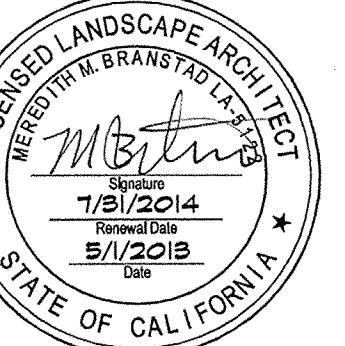
**3 EAST ENTRY**  
1"=10'-0"

REVISION/ISSUE	BY

**LAYOUT PLAN**

**STOCK RANCH NATURE PRESERVE**  
CITY OF CITRUS HEIGHTS

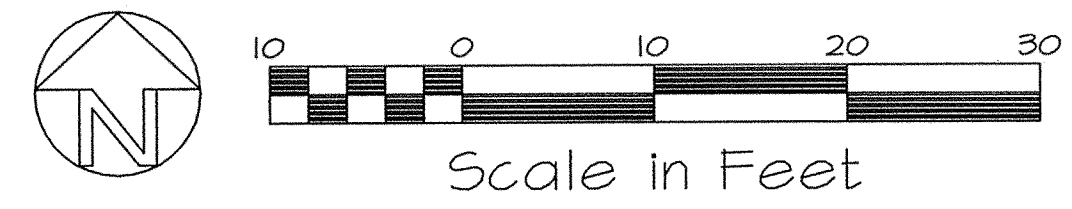
LANDSCAPE ARCHITECT OF RECORD



**FOOTHILL ASSOCIATES**  
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DATE: 5/1/2013  
SCALE: AS SHOWN  
JOB NAME: 1100098  
SHEET:

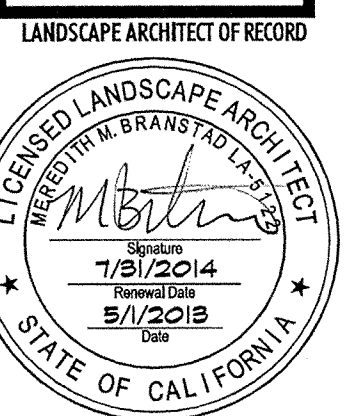




REVISION/ISSUE	BY

LAYOUT PLAN

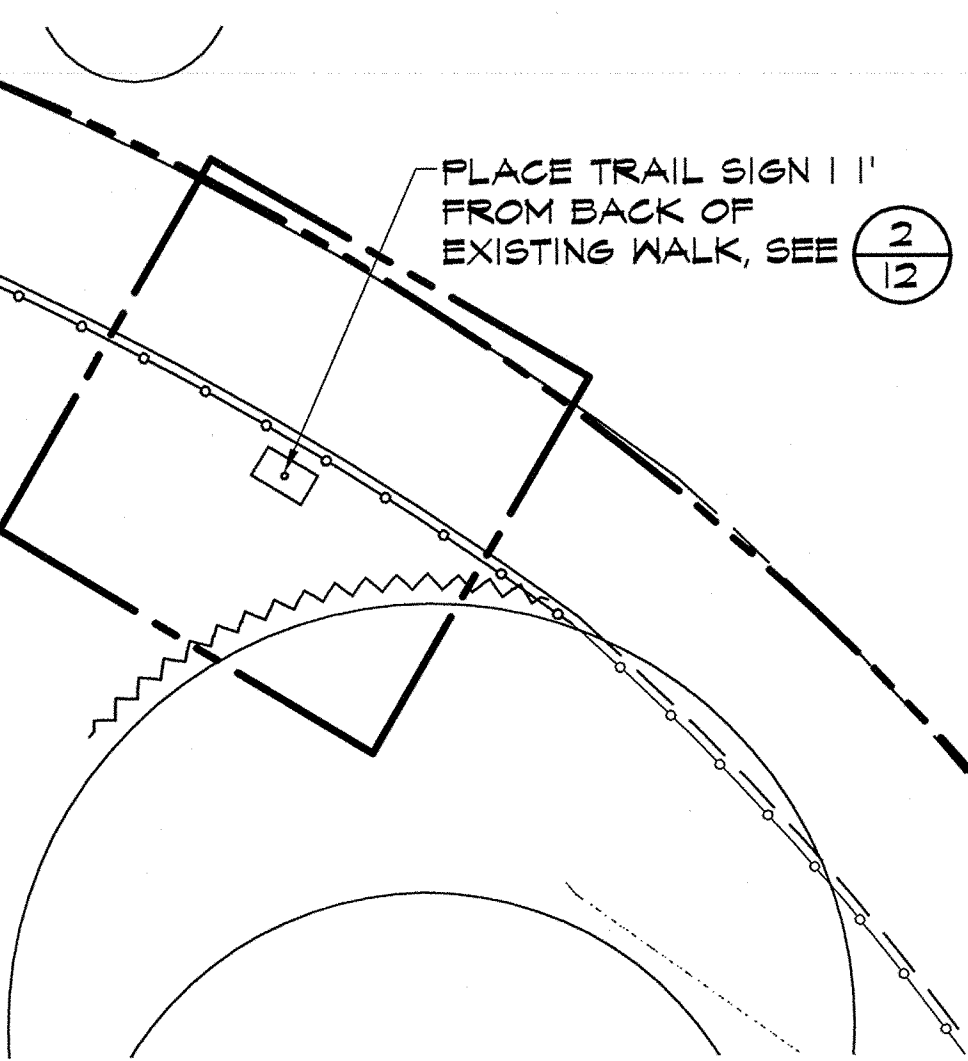
STOCK RANCH  
NATURE PRESERVE  
CITY OF CITRUS HEIGHTS



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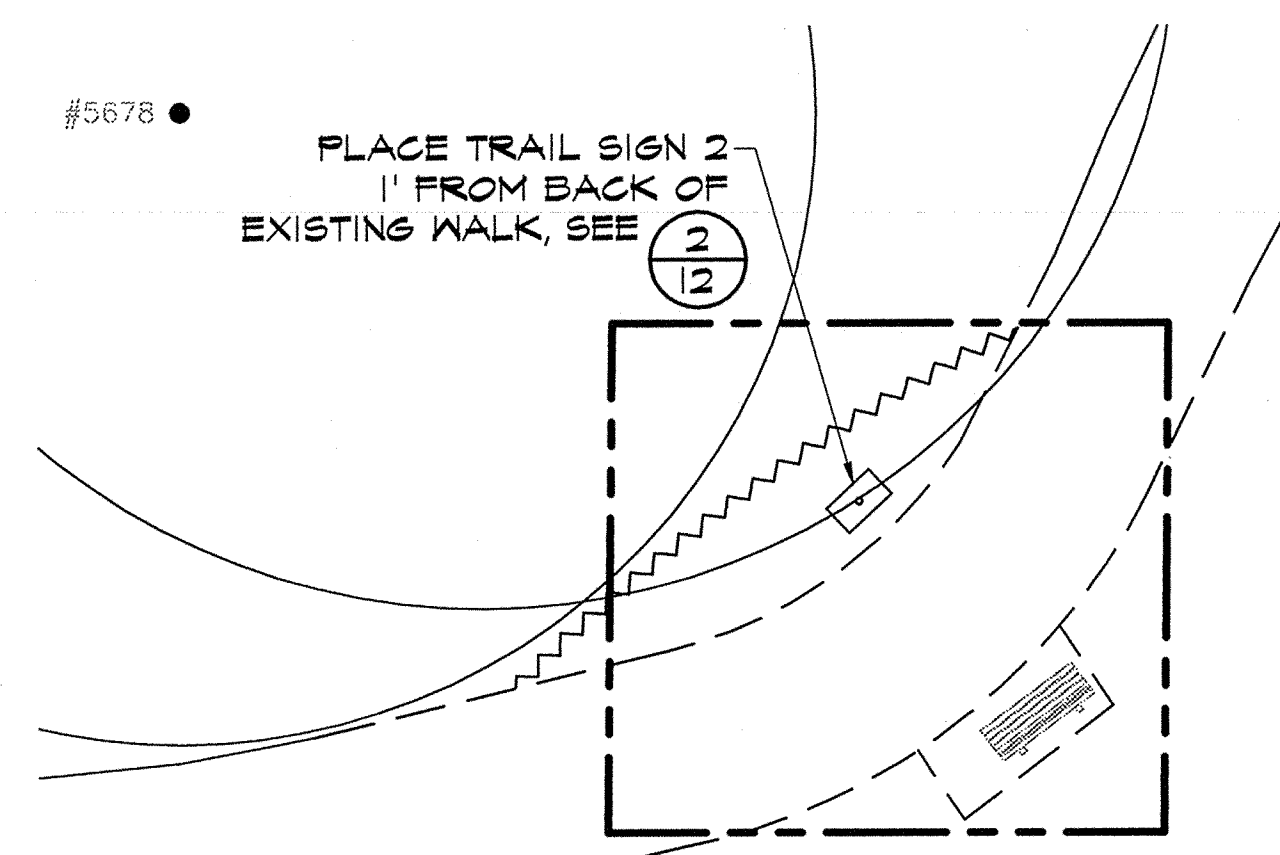
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5/1/2013  
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AS SHOWN  
JOB NAME  
1100098  
SHEET

- NOTES:
1. PLACE SIGN IN CLEAR AREA WITH VIEW TO WETLAND BETWEEN OAK TREES AND BLACKBERRY BUSHES. VERIFY LOCATION IN FIELD WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
  2. IF POST AND CABLE FENCE IS REMOVED FOR SIGN INSTALLATION, REPAIR TO CITY'S SATISFACTION.



1 TRAIL SIGN 1 - WHAT'S YOUR HABITAT  
1"=10'-0"

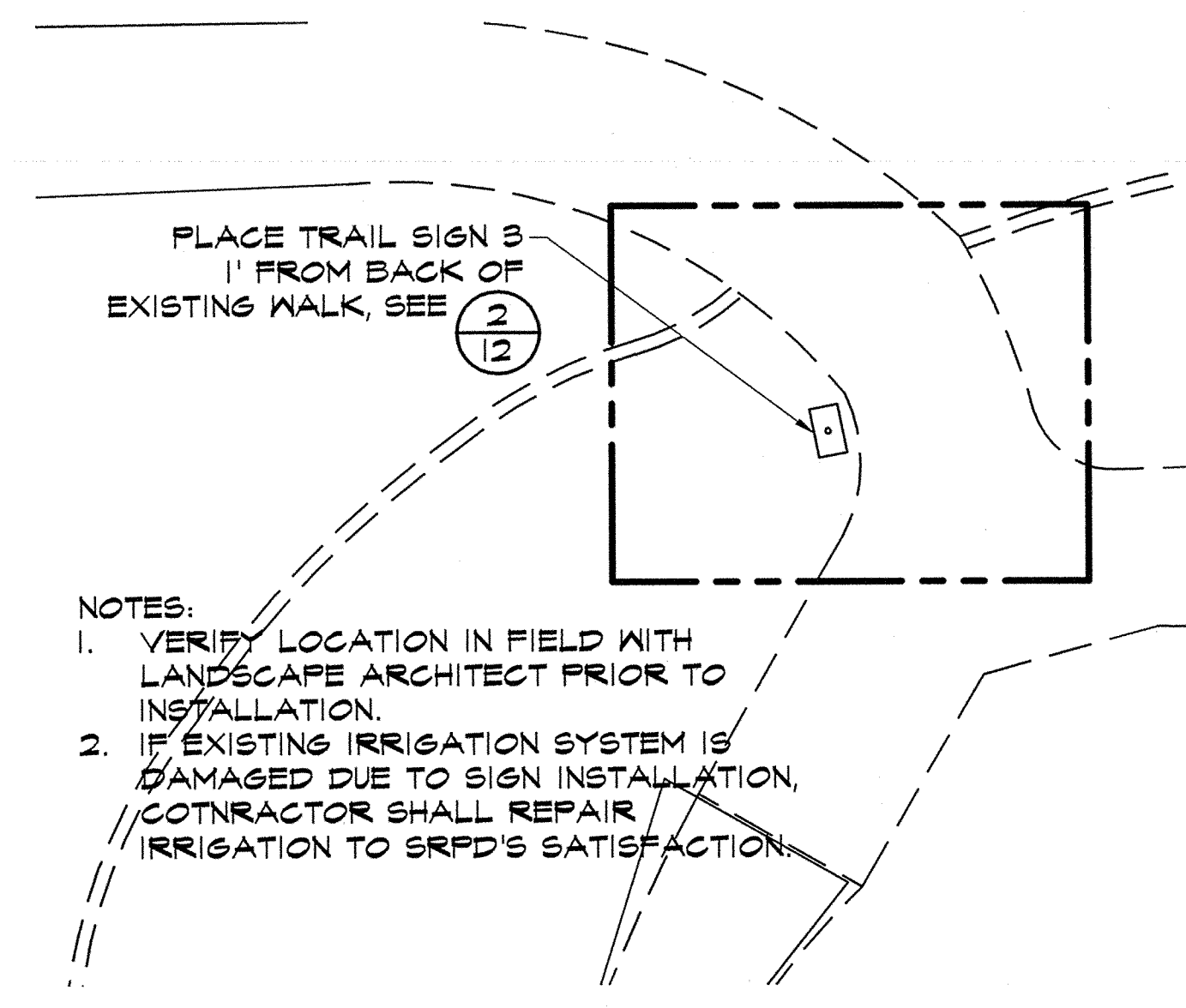
- PLACE TRAIL SIGN 2  
1' FROM BACK OF  
EXISTING WALK, SEE (2/12)



- NOTES:
1. PLACE SIGN ACROSS FROM EXISTING BENCH. VERIFY LOCATION IN FIELD WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

2 TRAIL SIGN 2 - RIPARIAN WOODLANDS  
1"=10'-0"

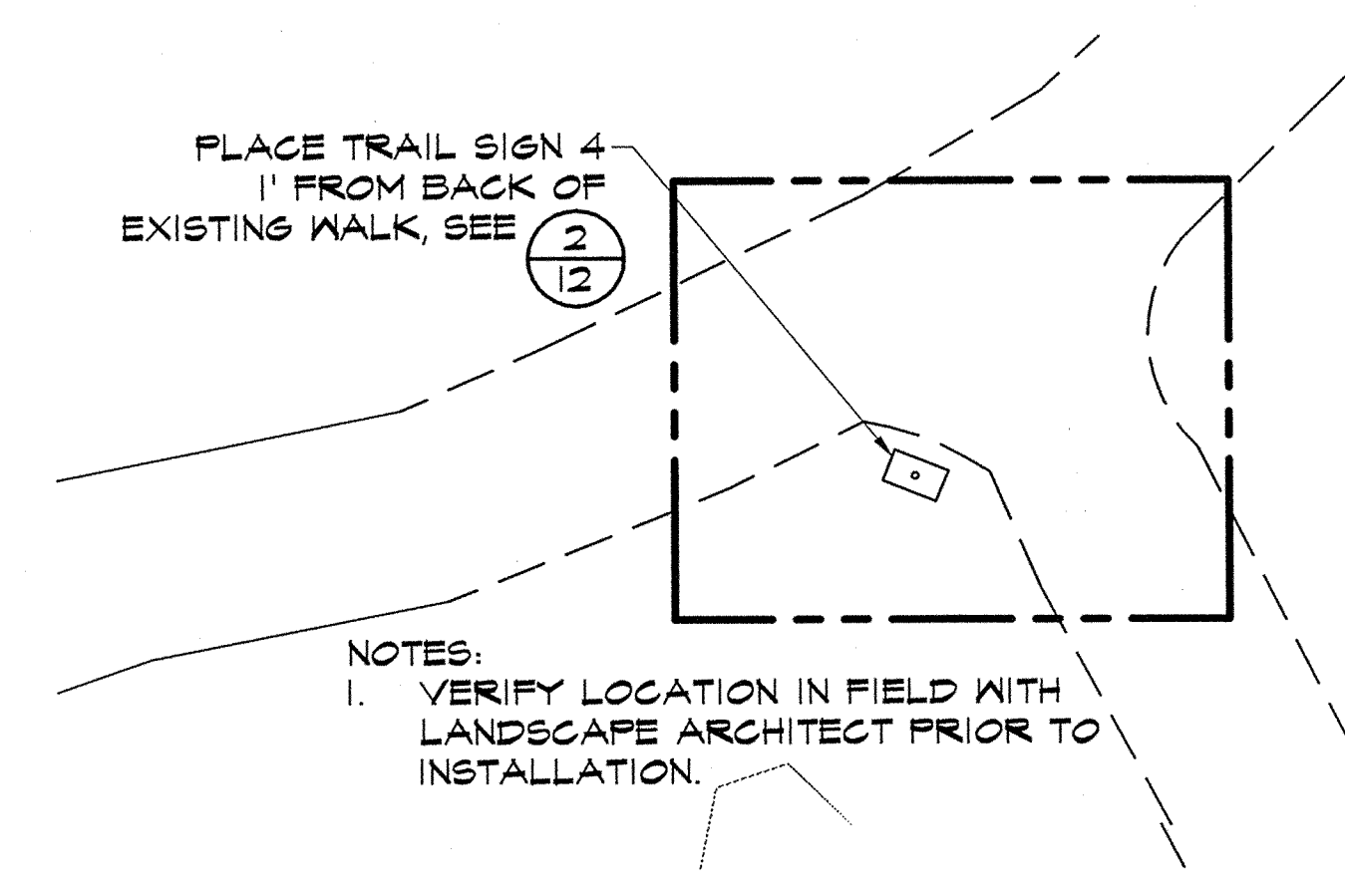
- PLACE TRAIL SIGN 3  
1' FROM BACK OF  
EXISTING WALK, SEE (2/12)



- NOTES:
1. VERIFY LOCATION IN FIELD WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
  2. IF EXISTING IRRIGATION SYSTEM IS DAMAGED DUE TO SIGN INSTALLATION, CONTRACTOR SHALL REPAIR IRRIGATION TO SRPD'S SATISFACTION.

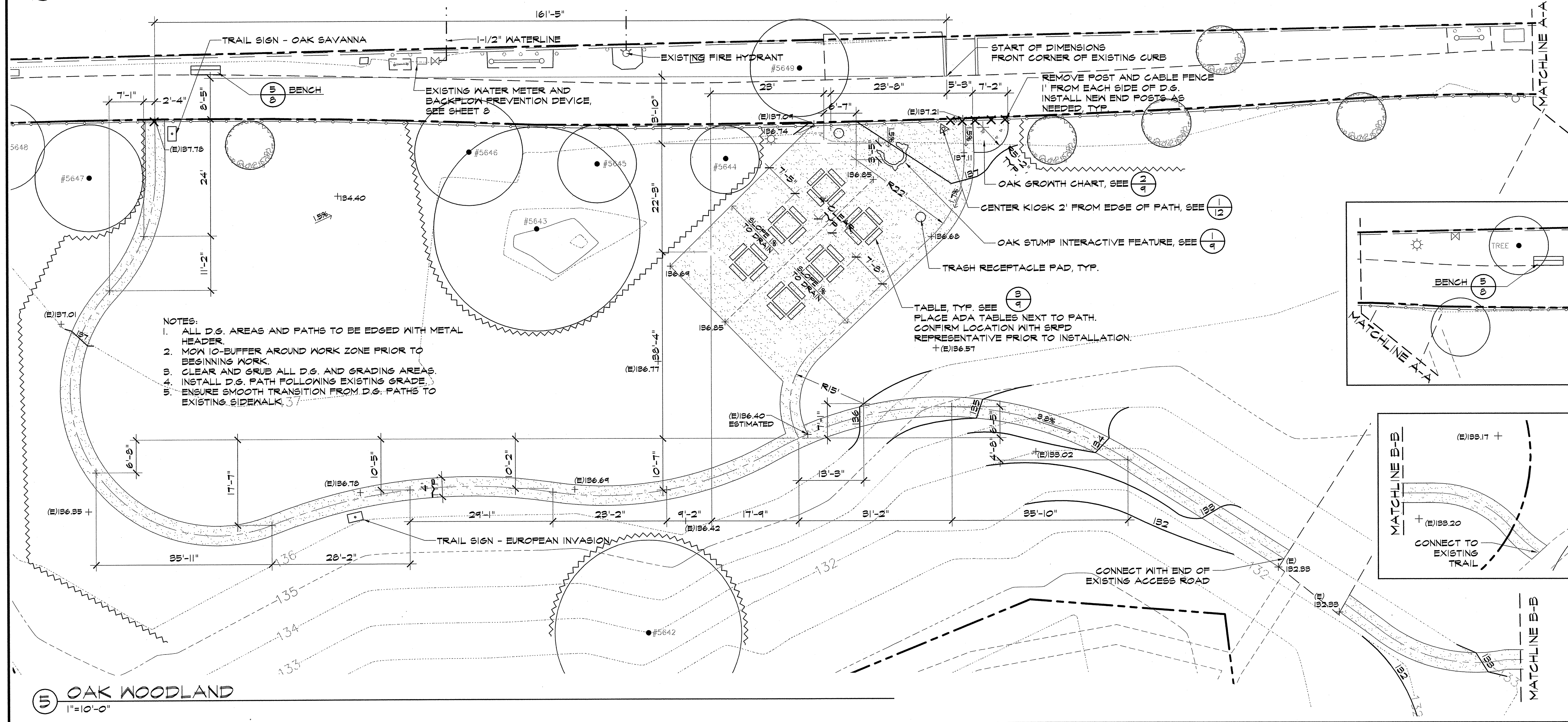
3 TRAIL SIGN 3 - WHERE'S THE RANCH  
1"=10'-0"

- PLACE TRAIL SIGN 4  
1' FROM BACK OF  
EXISTING WALK, SEE (2/12)



- NOTES:
1. VERIFY LOCATION IN FIELD WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

4 TRAIL SIGN 4 - ANIMAL NEIGHBORS  
1"=10'-0"



- NOTES:
1. ALL D.G. AREAS AND PATHS TO BE EDGED WITH METAL HEADER.
  2. MOW 10'-BUFFER AROUND WORK ZONE PRIOR TO BEGINNING WORK.
  3. CLEAR AND GRUB ALL D.G. AND GRADING AREAS.
  4. INSTALL D.G. PATH FOLLOWING EXISTING GRADE.
  5. ENSURE SMOOTH TRANSITION FROM D.G. PATHS TO EXISTING SIDEWALK.

5 OAK WOODLAND  
1"=10'-0"







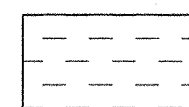
**GARDEN PLANTING LEGEND**

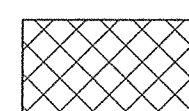
**PERENNIALS**

CODE	SCIENTIFIC NAME	COMMON NAME	SIZE	REMARKS	QUANTITY
ACH AGE	ACHILLEA AGERATUM 'MOONWALKER'	MOONWALKER YARROW	1 GALLON	-	9
ACH MCA	ACHILLEA MILLEFOLIUM 'CASSIS'	CASSIS YARROW	1 GALLON	-	7
ACH MSC	ACHILLEA MILLEFOLIUM 'SONOMA COAST'	WHITE YARROW	1 GALLON	-	7
ACH MRR	ACHILLEA MILLEFOLIUM VAR. RUBRA 'ROSY RED'	ROSY RED YARROW	1 GALLON	-	12
AGA AAP	AGASTACHE AURANTIACA 'APRICOT SPRITE'	APRICOT SPRITE HYSSOP	1 GALLON	-	9
AGA ACO	AGASTACHE AURANTIACA 'CORONADO'	HUMMINGBIRD MINT	1 GALLON	-	5
AGA BAD	AGASTACHE 'BLACK ADDER'	BLACK ADDER HYSSOP	1 GALLON	-	4
AGA MEX	AGASTACHE MEXICANA 'SANGRIA'	MEXICAN GIANT HYSSOP	1 GALLON	-	5
AGA PAL	AGASTACHE PALLIDA X RUGOSA 'GLOBETROTTER'	GLOBETROTTER HYSSOP	1 GALLON	-	8
AGA PUR	AGASTACHE CANA 'PURPLE PYGMY'	HUMMINGBIRD PLANT	1 GALLON	-	9
ARC EME	ARCTOSTAPHYLOS 'EMERALD CARPET'	EMERALD CARPET BEARBERRY	1 GALLON	36" O.C.	38
ASC FAS	ASCLEPIAS FASCICULARIS	NARROW LEAF MILKWEED	1 GALLON	-	2
ASC COR	ASCLEPIAS CORDIFOLIA	HEARTLEAF MILKWEED	1 GALLON	-	2
ASC SYR	ASCLEPIAS SYRIACA	VIRGINIA SILK	1 GALLON	-	2
AST CHP	ASTER CHILENSIS 'PURPLE HAZE'	CALIFORNIA ASTER	1 GALLON	-	6
CAM CHE	CAMISSONIA CHEIRANTHIFOLIA	BEACH PRIMROSE	1 GALLON	-	7
DEL CAR	DELPHINIUM CARDINALE	SCARLET LARKSPUR	1 GALLON	-	13
DIP AUR	DIPLACUS AURANTIACUS	SIERRA MONKEY FLOWER	1 GALLON	-	11
DIP GRA	DIPLACUS GRANDIFLORUS	SLENDER MONKEY FLOWER	1 GALLON	-	13
ECH PUR	ECHINACEA PURPUREA	PURPLE CONEFLOWER	1 GALLON	-	15
ERI GLA	ERIGERON GLAUCUS 'WAYNE RODERICK'	SEASIDE DAISY	1 GALLON	-	6
ERI ARB	ERIOGONUM ARBORESCENS	SANTA CRUZ ISLAND BUCKWHEAT	1 GALLON	-	2
ERI GRA	ERIOGONUM GRANDE VAR. RUBESCENS	RED BUCKWHEAT	1 GALLON	-	7
ERI LAT	ERIOGONUM LATIFOLIUM	SEASIDE BUCKWHEAT	1 GALLON	-	5
ERI NUD	ERIOGONUM NUDUM 'ELLA NELSONS YELLOW'	NAKED BUCKWHEAT	1 GALLON	-	11
ERI UMB	ERIOGONUM UMBELLULATUM	SULPHUR FLOWER BUCKWHEAT	1 GALLON	-	11
LES FIL	LESSINGIA FILAGINIFOLIA 'SILVER CARPET'	SILVER CARPET ASTER	1 GALLON	-	13
LUP COL	LUPINUS ALBIFRONS VAR. COLLINUS	DWARF SILVER BUSH LUPINE	1 GALLON	-	18
MON VIL	MONARDELLA VILLOSA	COYOTE MINT	1 GALLON	-	10
FEN GEN	PENSTEMON CENTRANTHIFOLIUS	SCARLET BUGLER PENSTEMON	1 GALLON	-	3
FEN HET	PENSTEMON HETEROPHYLLUS 'BLUE SPRINGS'	FOOTHILL PENSTEMON	1 GALLON	-	12
FEN PAL	PENSTEMON PALMERI	SCENTED PENSTEMON	1 GALLON	-	10
FEN VEN	PENSTEMON VENUSTUS	VENUS PENSTEMON	1 GALLON	-	5
RUB CAL	RUBUS CALYGINOIDES	CREEPING RASPBERRY	1 GALLON	36" O.C.	40
SAL NEM	SALVIA NEMOROSA 'CARADONNA'	CARADONNA SAGE	1 GALLON	-	9
SAL MER	SALVIA NEMOROSA 'MERLEAU BLUE'	MERLEAU BLUE SAGE	1 GALLON	-	9
SAL SON	SALVIA SONOMAMENSIS	CREEPING SAGE	1 GALLON	-	8
SAN CHA	SANTOLINA CHAMAECYPARISSUS	COTTON LAVENDAR	1 GALLON	-	13
SED SPE	SEDUM SPECTABILE 'AUTUMN JOY'	AUTUMN JOY SEDUM	1 GALLON	-	10
THY COC	THYMUS PRAECOX 'COCCINEUS'	RED CREEPING TYHME	3" POT	12" O.C.	250
TEU CHA	TEUCRIUM CHAMAEDRYD	WALL GERMANDER	1 GALLON	-	16
ZAU CAL	ZAUSCHNERIA CALIFORNICA	CALIFORNIA FUSCHIA	1 GALLON	-	12
ZAU SOL	ZAUSCHNERIA CALIFORNICA 'SOLIDARITY PINK'	SOLIDARITY PINK FUSCHIA	1 GALLON	-	15
ZAU ETT	ZAUSCHNERIA LATIFOLIA VAR. ETTERI	SILVER THREADLEAF FUSCHIA	1 GALLON	-	17
ZAU LAT	ZAUSCHNERIA LATIFOLIA JOHNSTONII	BUSH CALIFORNIA FUSCHIA	1 GALLON	-	6

**SHRUBS**

CODE	SCIENTIFIC NAME	COMMON NAME	SIZE	REMARKS	QUANTITY
BUD DAY	BUDDLEIA DAVIDII 'BLUE CHIP'	DWARF BUTTERFLY BUSH	1 GALLON	-	6
BUD BUZ	BUDDLEIA DAVIDII 'BUZZ IVORY'	BUZZ IVORY BUTTERFLY BUSH	2 GALLON	-	5
BUD BSB	BUDDLEIA DAVIDII 'BUZZ SKY BLUE'	BUZZ SKY BLUE BUTTERFLY BUSH	2 GALLON	-	3
CEA JOY	CEANOTHUS 'JOYCE COULTER'	JOYCE COULTER CEANOTHUS	2 GALLON	-	6
CEA RAY	CEANOTHUS 'RAY HARTMAN'	RAY HARTMAN CEANOTHUS	5 GALLON	SINGLE STEM	1
CER OCC	CERCIS OCCIDENTALIS	WESTERN REDBUD	5 GALLON	SINGLE STEM	1
CIS COB	CISTUS COBARIENSIS	WHITE ROCKROSE	2 GALLON	-	3
CIS PUR	CISTUS X PURPUREUS	PURPLE ROCK ROSE	2 GALLON	-	7
LAV ANG	LAVANDULA ANGUSTIFOLIA 'BLUE LANCE'	BLUE LANCE ENGLISH LAVENDER	1 GALLON	-	32
LUP ALB	LUPINUS ALBIFRONS	SILVER BUSH LUPINE	2 GALLON	-	9
LUP ARB	LUPINUS ARBOREUS 'YELLOW'	YELLOW COASTAL BUSH LUPINE	5 GALLON	-	1
PHL FRU	PHLOMIS FRUTICOSA	JERUSALEM SAGE	1 GALLON	-	8
RHA CAL	RHAMNUS CALIFORNICA	COFFEEBERRY	5 GALLON	-	2
ROS WOO	ROSA WOODSII	WOODS ROSE	2 GALLON	-	5
TEU FRU	TEUCRIUM FRUTICANS 'AZUREUM'	AZURE BUSH GERMANDER	2 GALLON	-	2

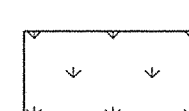
 EAR TUR - 405 SQ FT  
EARTH TURF, SEED AT 10 LB PER 1,000 SQ FT

 ACH MIL - 310 SQ FT  
ACHILLEA MILLEFOLIUM, SEED AT 0.25 OZ PER 1,000 SQ FT

 RUB CAL - 351 SF  
RUBUS CALYGINOIDES, 1 GALLON, 36" O.C.

 ARC EME - 362 SF  
ARCTOSTAPHYLOS 'EMERALD CREEPER', 1 GALLON, 36" O.C.

 FLO MIX - 1,543 SQ FT  
TERRITORIAL SEED COMPANY CALIFORNIA WILDFLOWER MIX SEED AT 5 OZ PER 1,000 SQ FT

 THY COC - 250 SQ FT  
THYMUS PRAECOX 'COCCINEUS', 3" POT, 12" O.C.

**PLANTING NOTES**

**SPECIFICATIONS:** SEE TECHNICAL SPECIFICATIONS AND GENERAL NOTES FOR ADDITIONAL INFORMATION INCLUDING UTILITIES VERIFICATION, PROTECTION, AND RESTORATION INFORMATION AND REQUIREMENTS.

**EXISTING PLANT MATERIAL:** PROTECT ALL EXISTING TREES AND PLANT MATERIAL TO REMAIN. CONTRACTOR TO REPAIR AT NO ADDITIONAL COST ANY DAMAGES INCURRED AS A RESULT OF THIS CONTRACT TO THE OWNER'S SATISFACTION.

**SUBSTITUTIONS:** WITHIN 10 DAYS OF AWARD OF CONTRACT, THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT BY TELEPHONE OR IN WRITING IF SPECIFIED PLANT MATERIALS ARE UNAVAILABLE. UNDER SUCH CONDITIONS, THE LANDSCAPE ARCHITECT WILL PROVIDE ALTERNATE PLANT MATERIAL SELECTIONS FOR PLANTS THAT ARE UNAVAILABLE. OTHERWISE, THE CONTRACTOR WILL BE RESPONSIBLE FOR FINDING ALTERNATIVE PLANT MATERIAL SELECTIONS AT HIS COST AND SUBJECT TO APPROVAL OF LANDSCAPE ARCHITECT. SUCH CHANGES WILL NOT ALTER THE CONTRACTOR'S ORIGINAL BID PRICE UNLESS A CREDIT IS DUE TO THE OWNER.

**QUANTITIES:** THE QUANTITIES SHOWN ON THE PLANT LIST AND IN LABELS ARE FOR THE LANDSCAPE ARCHITECT'S USE AND ARE NOT TO BE CONSTRUED AS THE COMPLETE AND ACCURATE QUANTITY OF THE PLANTS REQUIRED FOR THE CONTRACT. CONTRACTOR SHALL FURNISH AND INSTALL ALL PLANTS SHOWN SCHEMATICALLY ON THE DRAWINGS.

**SOIL AMENDMENT:** ALL PLANTING AREA SOILS ARE TO BE AMENDED AS FOLLOWS: APPLY STANDARD GRANULAR NPK FERTILIZER, NITRIFIED BULK ORGANIC AMENDMENT AND PREPARE BACKFILL FOR PLANTING HOLES BY MIXING NATIVE SOIL, IRON AND NITROGEN FORTIFIED ORGANIC AMENDMENT AND STANDARD GRANULAR NPK FERTILIZER AND OTHER AMENDMENTS PER SOILS REPORT RECOMMENDATIONS.

**DRAINAGE:** THE CONTRACTOR SHALL ENSURE ALL EXCAVATED PLANT PITS HAVE POSITIVE DRAINAGE. PLANT PITS WHEN FULLY FILLED WITH WATER SHALL DRAIN WITHIN 1 HOUR OF FILLING. IF AN IMPERMEABLE SOIL LAYER (I.E. HARDPAN) EXISTS, DRILL A 6 INCH DIAMETER AUGURED HOLE THROUGH LAYER OR TO A 10 FOOT DEPTH -- WHICHEVER IS LESS. FILL AUGURED HOLE WITH BACKFILL MIX OR DRAIN ROCK.

**HEADER:** INSTALL ALUMINUM HEADER AROUND ALL DECOMPOSED GRANITE PAVING AND BETWEEN PLANTING BEDS AS SHOWN ON PLANS.

**GROUND COVER:** GROUND COVER SHALL BE PLANTED UP TO THE DRIP LINE OF SHRUBS AT TIME OF PLANTING.

**MULCH:** THE CONTRACTOR SHALL INSTALL A 3-INCH DEEP LAYER OF MEDIUM WALK ON BARK MULCH IN ALL SHRUB/GROUND COVER GARDEN PLANTERS.

**PLANT ID SIGNS:** CONTRACTOR SHALL PROVIDE FINAL LIST OF PLANTS TO BE INSTALLED TO LANDSCAPE ARCHITECT PRIOR TO ORDERING PLANT ID SIGNS. LANDSCAPE ARCHITECT SHALL PROVIDE UPDATED GRAPHIC FILES FOR PLANT ID SIGNS TO CONTRACTOR UPON RECEIPT OF FINAL PLANTING LIST.

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**GARDEN PLAN**

**STOCK RANCH  
NATURE PRESERVE**  
CITY OF CITRUS HEIGHTS

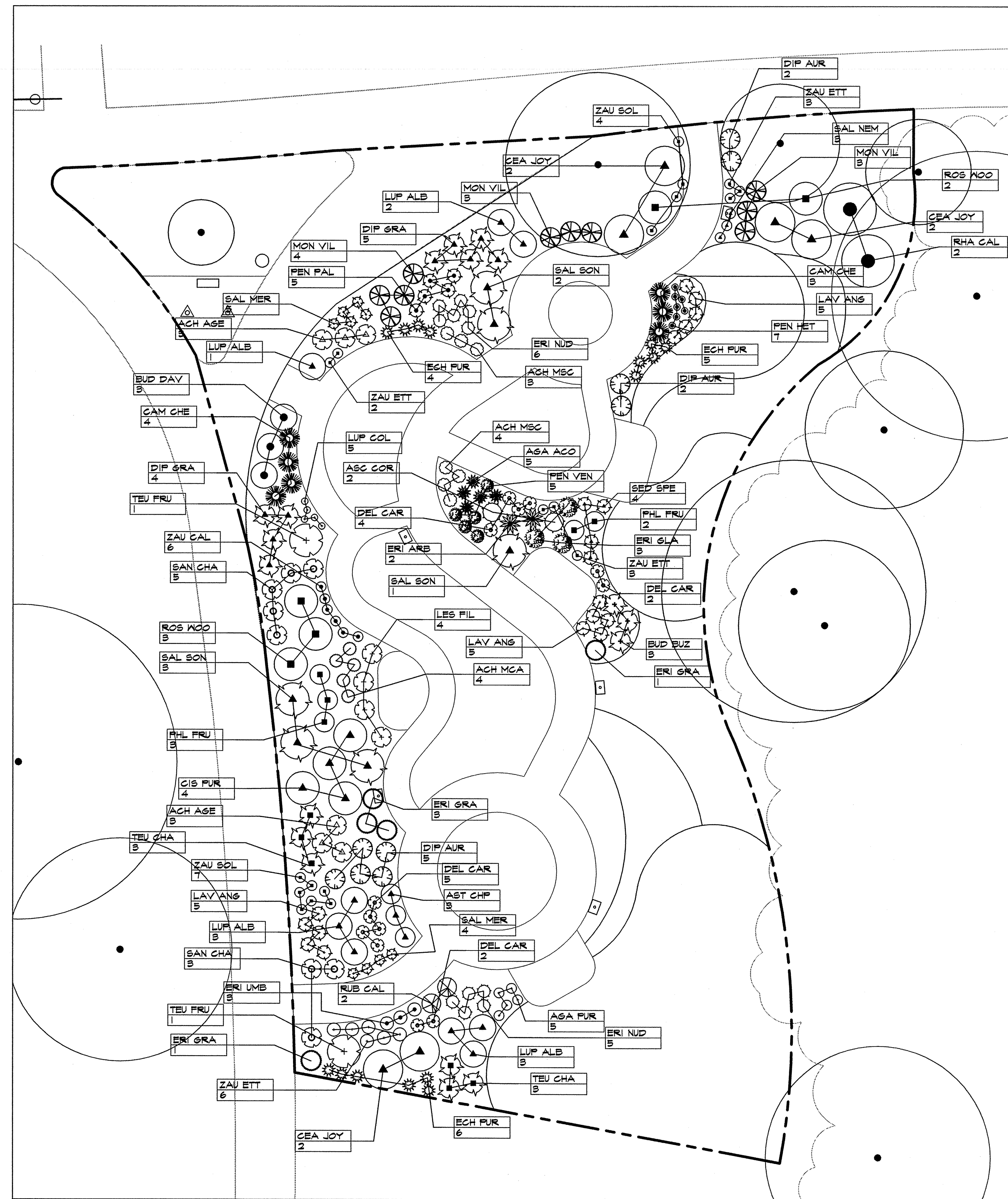
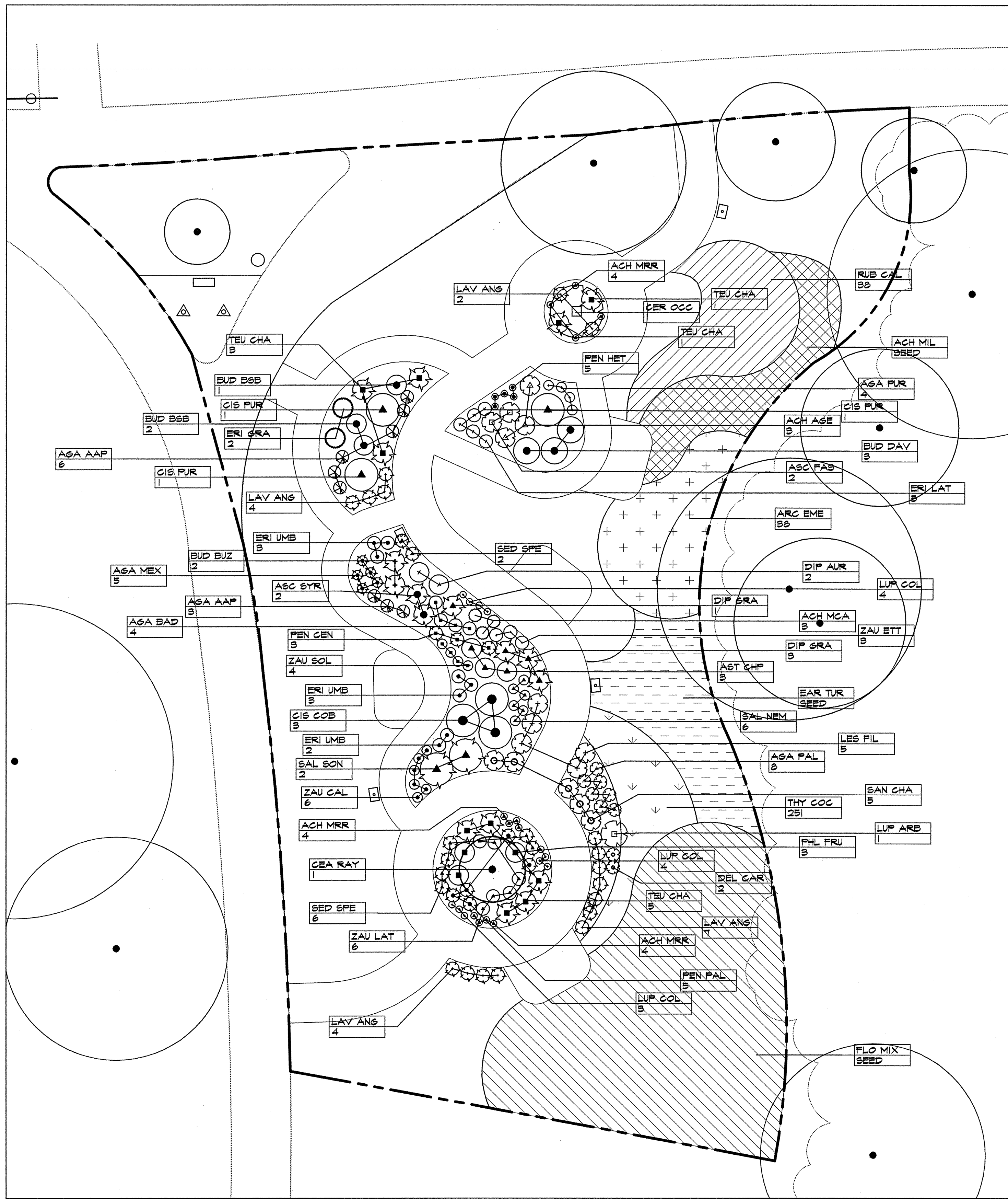
LANDSCAPE ARCHITECT OF RECORD



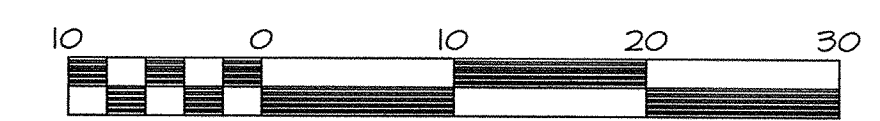
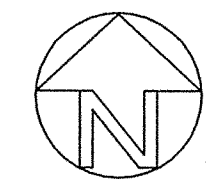
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NOTE: GARDEN PLANTING PLACEMENT AND LABELS SHOWN IN TWO SEPARATE PLAN VIEWS FOR CLARITY ONLY.



Scale in Feet

REVISION/ISSUE	BY

GARDEN PLAN

STOCK RANCH  
NATURE PRESERVE  
CITY OF CITRUS HEIGHTS

LANDSCAPE ARCHITECT OF RECORD



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**IRRIGATION LEGEND**

	HUNTER MP-ROTATOR HEAD ON RAINBIRD 1800PRS BODY. NUMBER REFERS TO MODEL AS FOLLOWS: 1 = MP1000, 2 = MP2000, 3 = MP3000	
	DRIP ZONE WITH RAINBIRD XBD-21 MULTI-OUTLET EMITTERS	
	EXISTING WATER METER TO REMAIN	
	EXISTING REDUCED PRESSURE BACKFLOW PREVENTOR TO REMAIN	
	EXISTING RAINBIRD ESP 24 MC CONTROLLER TO REMAIN, CONNECT NEW VALVES TO AVAILABLE STATIONS.	
	NEW METER AND BACKFLOW PREVENTION DEVICES BY CHWD	
	SUPERIOR, FEB SERIES REMOTE CONTROL VALVE WITH PRS-D PRESSURE REGULATING MODULE, SIZE PER PLAN.	
	TORO, FCH-H FLUSH VALVE	
	AIR RELIEF VALVE	
	QUICK COUPLER VALVE	
	MOISTURE SENSOR RAINBIRD SMRT-Y. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. LANDSCAPE ARCHITECT SHALL SITE EXACT LOCATIONS IN FIELD.	
	RAINBIRD WR2 RAIN SENSOR. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. LANDSCAPE ARCHITECT SHALL SITE EXACT LOCATIONS IN FIELD.	
	IRRIGATION MAINLINE, CLASS 315 PVC PIPE FOR SEGMENTS 2" AND LARGER AND SCHEDULE 40 FOR MAINLINES 1-1/2" AND SMALLER, 18" MINIMUM BURIAL	
	LATERAL, CLASS 200 PVC PIPE, SIZE PER PLAN, 12" MIN. BURIAL	
	SLEEVE, SCHEDULE 40 PVC PIPE, SIZE PER PLAN OR AS REQUIRED	
	3/4" DOMESTIC WATER LINE	AA-5
	VALVE # APPROXIMATE FLOW THROUGH VALVE VALVE SIZE	

**IRRIGATION NOTES**

**SPECIFICATIONS:** SEE IRRIGATION SPECIFICATIONS AND GENERAL NOTES FOR ADDITIONAL INFORMATION INCLUDING UTILITIES VERIFICATION, PROTECTION, AND RESTORATION INFORMATION AND REQUIREMENTS.

**SYSTEM DESIGN:** SYSTEM FEATURES ARE SHOWN DIAGRAMMATICALLY FOR GRAPHIC CLARITY. THE SYSTEM IS BASED ON 50 PSI AND 36 GPM AVAILABLE AT THE POINT OF CONNECTION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THESE REPORTED READINGS PRIOR TO CONSTRUCTION. IF A DISCREPANCY EXISTS BETWEEN THE REPORTED AND THE FOUND READINGS THAT WILL ADVERSELY AFFECT THE OPERATION OF THE SYSTEM, CEASE CONSTRUCTION ACTIVITY AND NOTIFY THE LANDSCAPE ARCHITECT AT ONCE BY TELEPHONE AND IN WRITING. THE CONTRACTOR SHALL OBTAIN AUTHORIZATION FROM THE LANDSCAPE ARCHITECT OR SRPD BEFORE PROCEEDING WITH IRRIGATION SYSTEM INSTALLATION. IN THE EVENT A PRESSURE DISCREPANCY IS NOT REPORTED IN WRITING PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY NECESSARY REVISIONS. THE DRIP IRRIGATION SYSTEM IS DESIGNED FOR A MAXIMUM FLOW RATE OF 16 GPH PER MULTI-OUTLET EMISSION DEVICE. EXCEEDING THIS FLOW RATE MAY RESULT IN FAILURE OF THE SYSTEM TO FUNCTION AND/OR DAMAGE TO THE SYSTEM. FOR BEST RESULTS, UTILIZE EMITTERS OF 2 GPH OR LESS.

**CODES:** INSTALLATION SHALL OCCUR IN ACCORDANCE WITH ALL LOCAL CODES AND MANUFACTURER'S SPECIFICATIONS. NOTIFY LANDSCAPE ARCHITECT BY TELEPHONE AND IN WRITING OF ANY CONFLICTS PRIOR TO CONSTRUCTION.

**SYSTEM INSTALLATION:** INSTALL IRRIGATION SYSTEM AS SHOWN ON PLAN AND CONSTRUCTION DETAILS. DO NOT WILLFULLY INSTALL THE IRRIGATION SYSTEM AS DIAGRAMMATICALLY SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS, GRADE DIFFERENCES, OR DIFFERENCES IN SITE DIMENSIONS EXIST THAT MIGHT NOT HAVE BEEN FORESEEN AND CONSIDERED IN THE IRRIGATION SYSTEM DESIGN. INSTALL ALL PIPING AND VALVES IN COMMON TRENCHES WHERE FEASIBLE AND INSIDE PLANTING AREAS WHENEVER POSSIBLE. PROTECT EXISTING TREES BY NOT TRENCHING WITHIN 5 FEET OF EXISTING TRUNKS. IF TRENCHING IS NECESSARY WITHIN THE DRIPLINE OF EXISTING TREES, TRENCH BY HAND-DIGGING. APPLY WATER AS NECESSARY TO MAINTAIN MOIST SOIL WITHIN DISTURBED ROOT ZONES, ESPECIALLY DURING SUMMER MONTHS. ALL VALVES SHALL BE LOCATED IN GROUND COVER/SHRUB AREAS WHENEVER FEASIBLE AND INSTALLED A MAXIMUM OF 12" AWAY FROM BACK OF WALKS, WALLS, OR MOWBANDS. MAINLINE SHALL BE ROUTED AT THE BACK OF WALK AS MUCH AS POSSIBLE AND NOT ROUTED THROUGH AREAS OF ACTIVE ATHLETIC PLAY. IF DIFFERENCES OR OBSTRUCTIONS EXIST IN THE FIELD THAT WILL NOT ALLOW FOR THE INSTALLATION OF THE IRRIGATION SYSTEM AS DIAGRAMMATICALLY SHOWN, THE LANDSCAPE ARCHITECT SHOULD BE INFORMED BY TELEPHONE AND IN WRITING BEFORE PROCEEDING. IN THE EVENT THAT THIS NOTIFICATION IS NOT PERFORMED, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS AND REPAIR WORK NECESSARY. PRIOR TO BACKFILLING TRENCHES THE CONTRACTOR SHALL CHARGE MAINLINE AND TEST SYSTEM FOR LEAKS AND REPAIR THE MAINLINE AS NECESSARY. THE CONTRACTOR SHALL ALSO TEST THE CONTROLLER AND WIRING SYSTEM TO VALVES ENSURING OPERABILITY PRIOR TO BACKFILLING TRENCHES.

**BACKFLOW PREVENTOR:** TO BE INSTALLED BY CITRUS HEIGHTS WATER DISTRICT.

**CONTROLLER:** UTILIZE EXISTING RAINBIRD ESP-24MC CONTROLLER. CONTRACTOR RESPONSIBLE FOR RUNNING NEW WIRES TO SUPPORT ADDED VALVES. INSTALL RAIN SENSOR AND OTHER SENSORS AND CONNECT TO CONTROLLER AS NOTED ON PLANS.

**DRIP ZONE INDICATOR:** INSTALL ONE DIG DSPI-12 MICRO POP UP INDICATOR ON DRIP ZONE A08 AT LOCATION SPECIFIED BY SRPD.

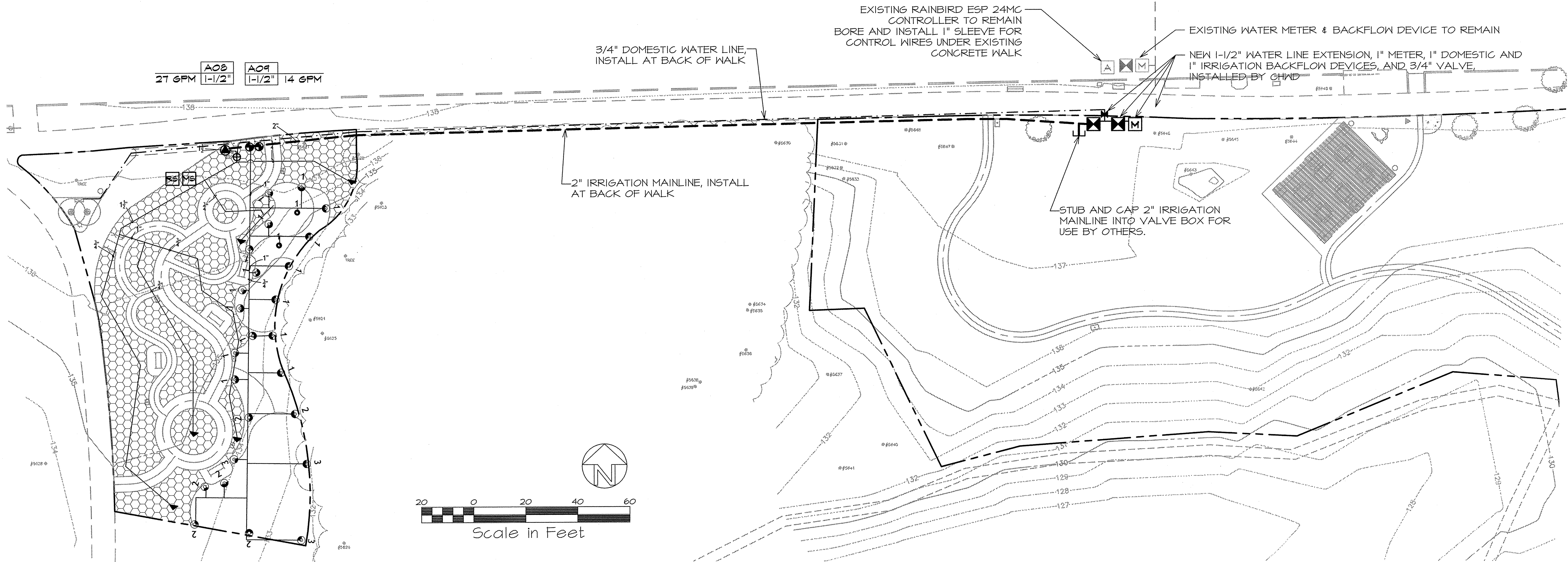
**SLEEVING:** CONTRACTOR SHALL ADEQUATELY SIZE ALL SLEEVES SHOWN ON PLAN. SLEEVES SHALL BE INSTALLED AT THE NECESSARY DEPTHS PRIOR TO PAVEMENT CONSTRUCTION AS SHOWN ON PLANS. SLEEVING SHALL EXTEND 12" BEYOND THE EDGE OF PAVING INTO LAWN OR PLANTING AREA. HAVE ENDS SEALED AND MARKED CLEARLY ABOVE GRADE. IN THE EVENT THAT THE CONTRACTOR FAILS TO INSTALL THE SLEEVES AS NOTED ABOVE, ANY ADDITIONAL WORK AND COSTS TO INSTALL THE SLEEVES FOLLOWING PAVEMENT INSTALLATION SHALL BE AT CONTRACTOR'S COST.

**REMOTE CONTROL VALVES:** SET PRESSURE REGULATING MODULES TO 45 PSI.

**QUICK COUPLER VALVES:** PROVIDE SRPD WITH ONE OPERATING KEY, TWO SETS OF LOCKING COVER KEYS, AND ONE HOSE SWIVEL.

**IRRIGATION HEADS:** THE CONTRACTOR SHALL INCLUDE IN BID PRICE AN AMOUNT SUFFICIENT TO INSTALL AN ADDITIONAL 5 SPRINKLER HEADS OF EACH TYPE IN PLANS TO ALLOW FOR POSSIBLE FIELD CHANGES. UNUSED HEADS SHALL BE DELIVERED TO THE SRPD AT THE END OF THE MAINTENANCE PERIOD. ALL POP-UP SPRAY HEADS SHALL HAVE A POP-UP HEIGHT OF 12".

**FIELD ADJUSTMENTS:** SUBSTITUTIONS OF EQUIPMENT ARE NOT ALLOWED. ALL MATERIALS SHALL BE NEW AND INSTALLED IN A WAY THAT PROVIDES A COMPLETE AND EFFICIENT OPERATING SYSTEM. FIELD ADJUSTMENTS MAY BE REQUIRED TO PROVIDE OPTIMUM OPERATING EFFICIENCY -- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE LANDSCAPE ARCHITECT TO REVIEW PROPOSED FIELD ADJUSTMENTS PRIOR TO INSTALLATION. IF WRITTEN NOTIFICATION IS NOT RECEIVED AND RESPONDED TO BY THE LANDSCAPE ARCHITECT THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY NECESSARY REVISIONS.



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**IRRIGATION PLAN**

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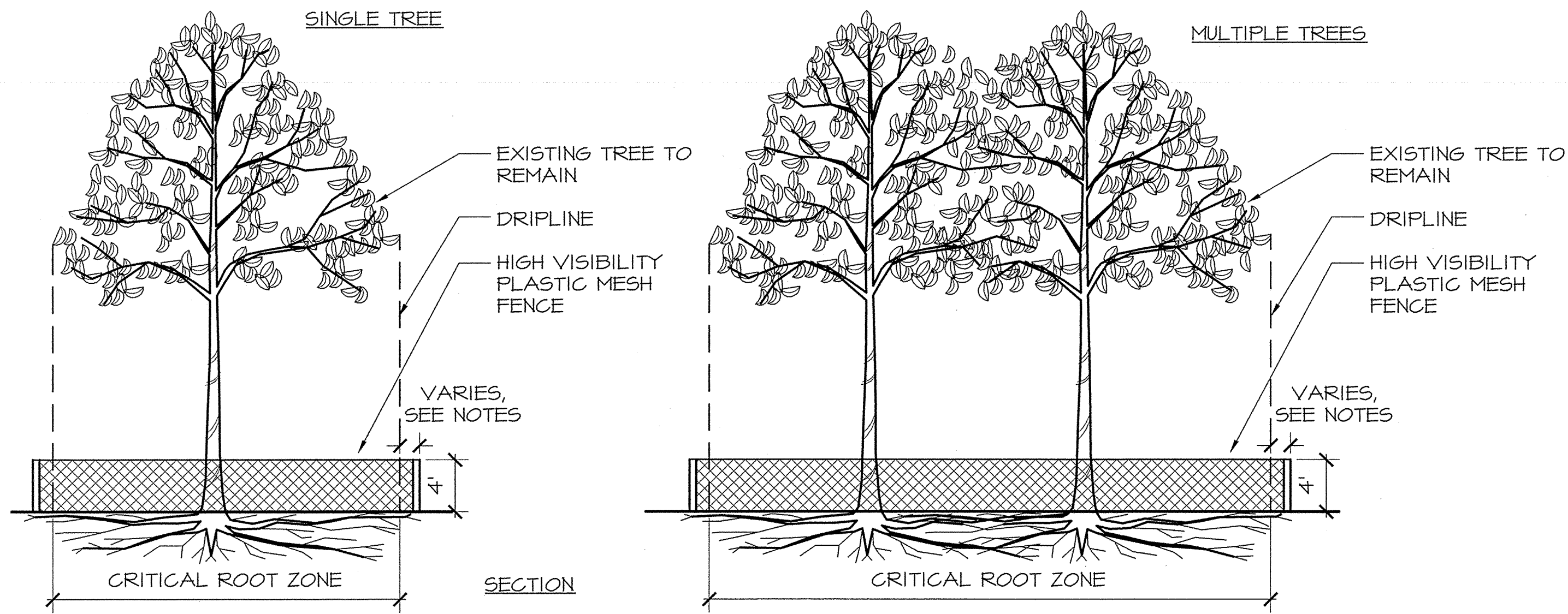
LANDSCAPE ARCHITECT OF RECORD



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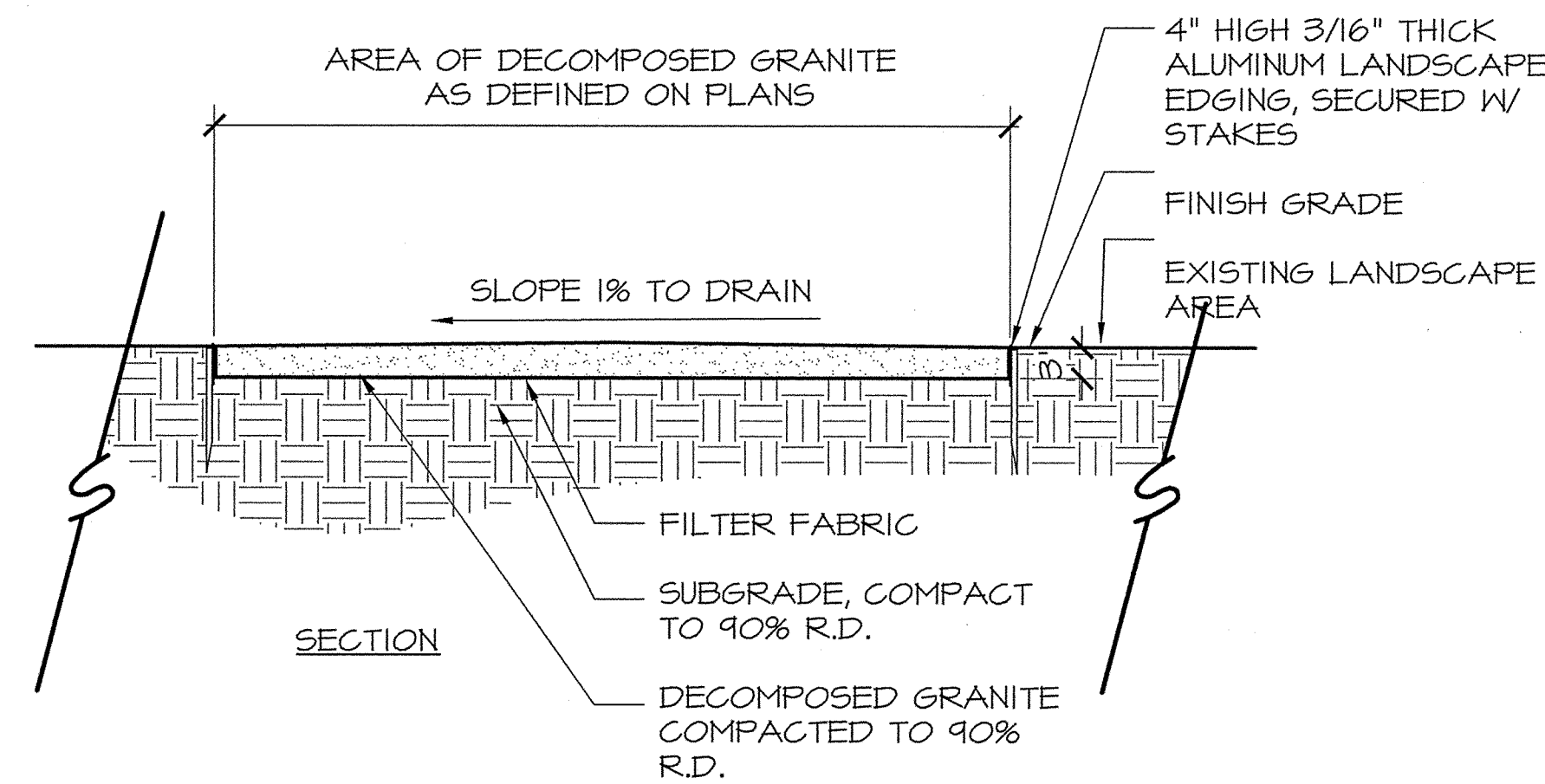
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NOTES:

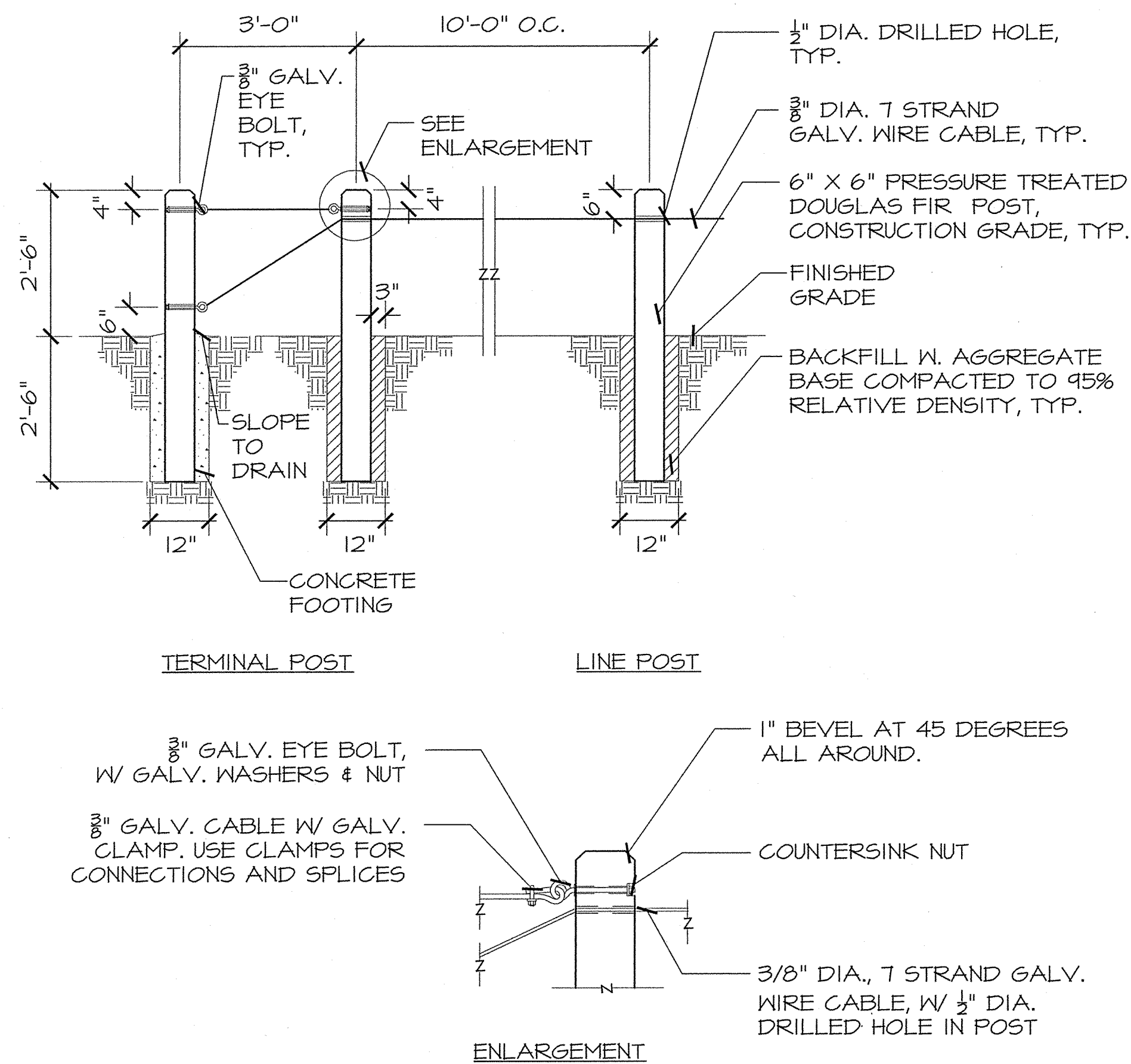
1. INSTALL FENCING BEFORE ANY CONSTRUCTION BEGINS.
2. FENCING SHOULD BE LOCATED AS FAR OUT FROM THE DRIPLINE AS POSSIBLE.
3. THE FENCED AREAS SHOULD BE KEPT CLEAR OF BUILDING MATERIALS, WASTE, AND EXCESS SOIL. NO DIGGING, TRENCHING, OR OTHER SOIL DISTURBANCE SHOULD BE ALLOWED IN THE FENCED AREA.
4. STORAGE AREAS FOR EQUIPMENT, SOIL, AND CONSTRUCTION MATERIALS IS NOT ALLOWED WITHIN THE TREE PROTECTION ZONES. CONCRETE WASH-OUT PITS ARE NOT ALLOWED WITHIN THE TREE PROTECTION ZONES OR IN ANY LOCATION THAT DRAINS TO A TREE PROTECTION ZONE.



NOTES:

1. PRIOR TO INSTALLATION OF DECOMPOSED GRANITE, APPLY PRE-EMERGENT HERBICIDE ON EXCAVATED SURFACE.
2. MEET SURROUNDING GROUND AND ADJACENT PAVEMENT FLUSH WITH TOP OF COMPACTED D.G.
3. EDGING SHALL EXTEND NO MORE THAN 1/2\"/>
- 4. STABILIZER SHALL BE AS MANUFACTURED BY STABILIZER SOLUTIONS OR APPROVED EQUAL. AVAILABLE FROM CASCADE ROCK.

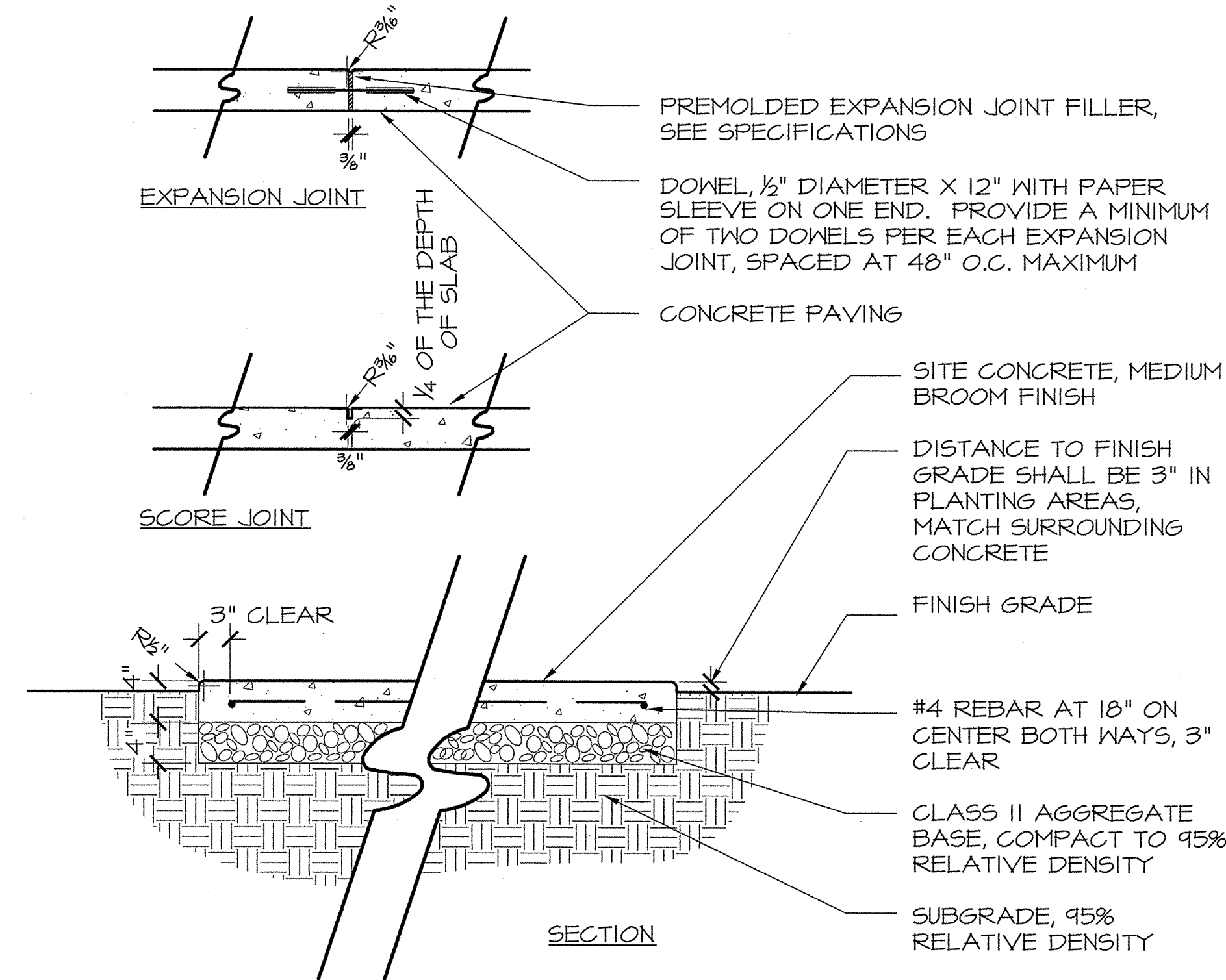
1 TREE PROTECTION FENCING



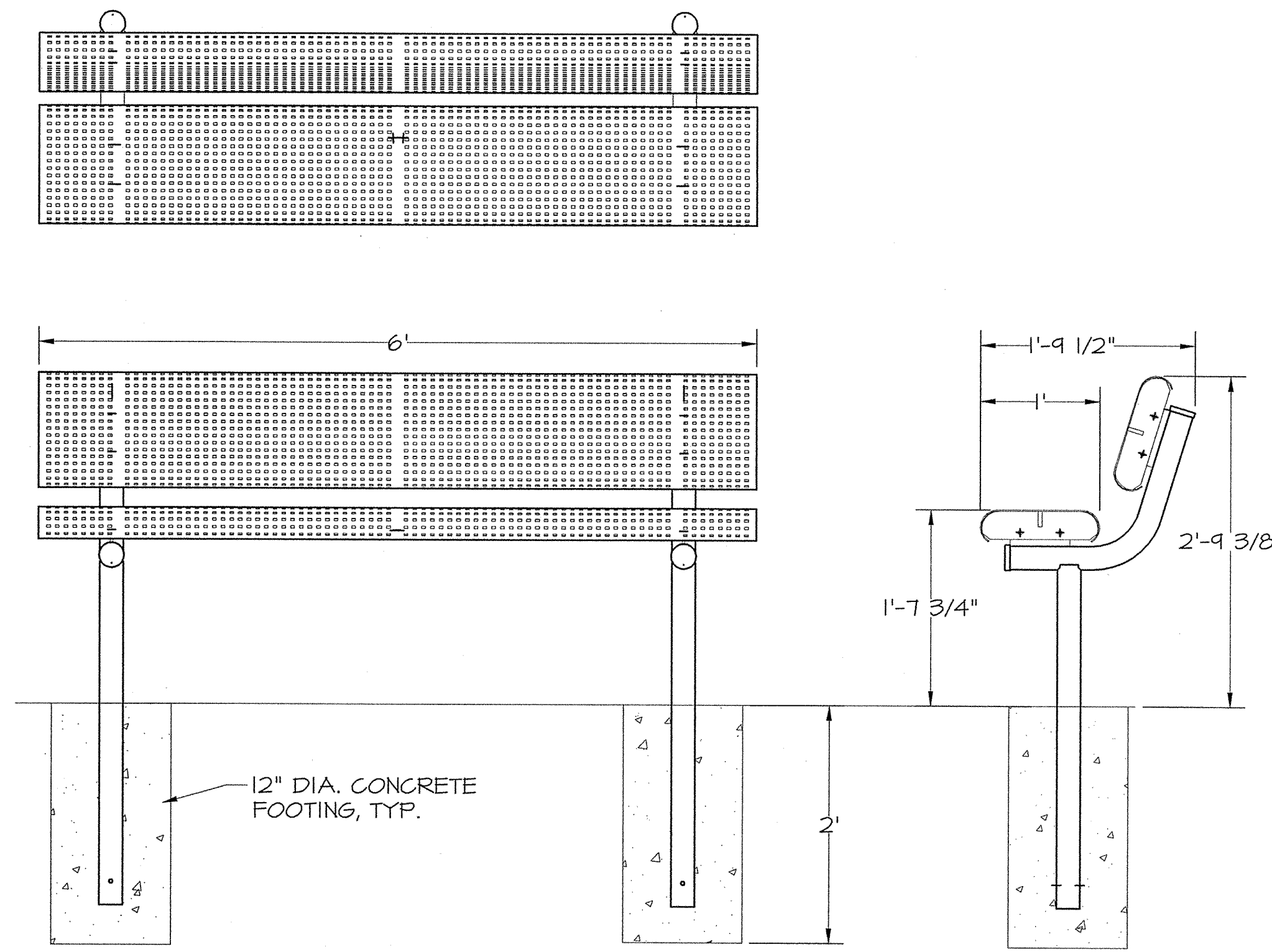
NOTE:  
CONCRETE FOOTINGS SHALL BE INSTALLED AT ALL TERMINAL POSTS AND AT ALL BENDS

3 POST AND CABLE FENCE

2 DECOMPOSED GRANITE



4 CONCRETE PAVEMENT



5 BENCH

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DETAIL SHEETS

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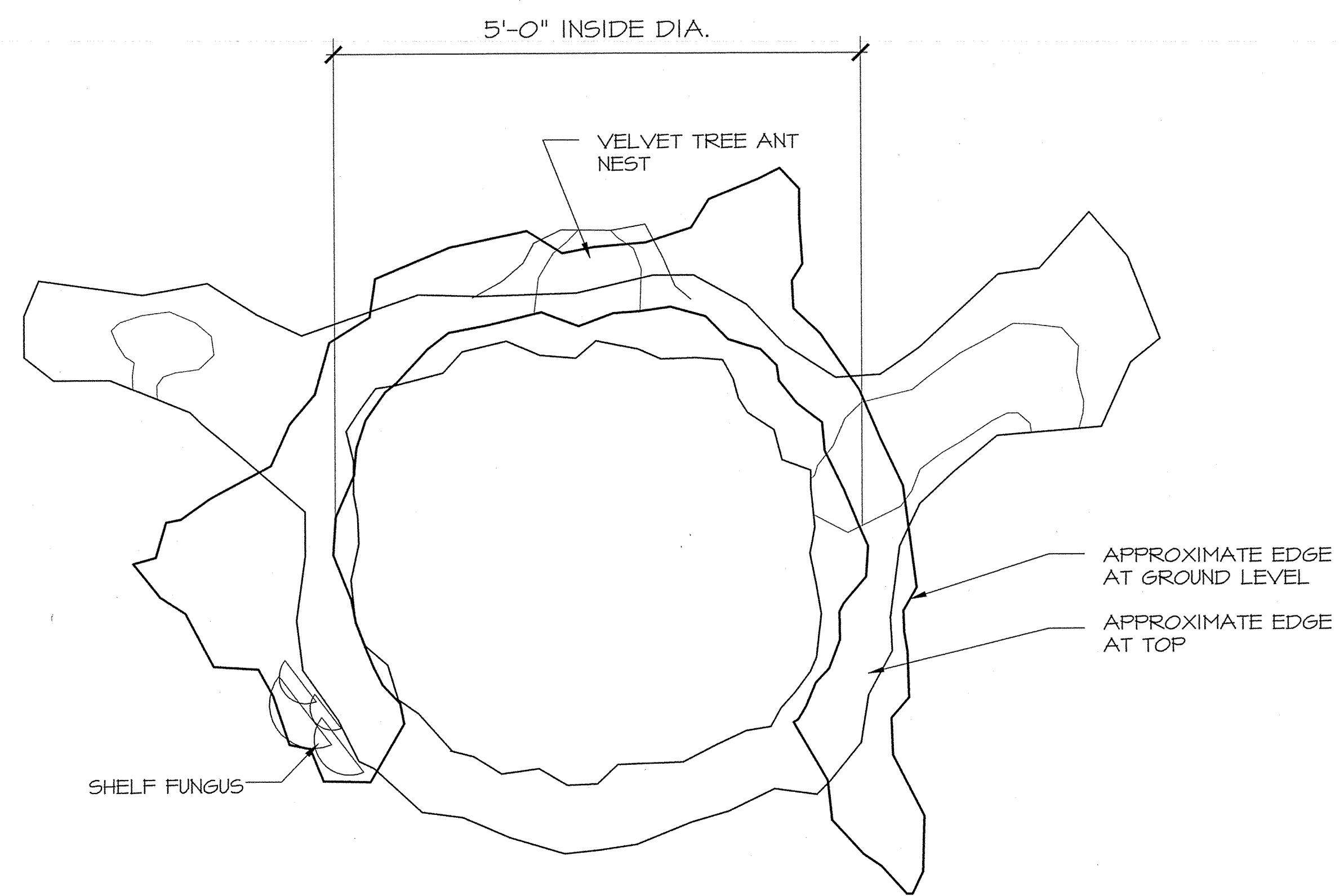
DETAIL SHEETS

STOCK RANCH  
NATURE PRESERVE  
CITY OF CITRUS HEIGHTS

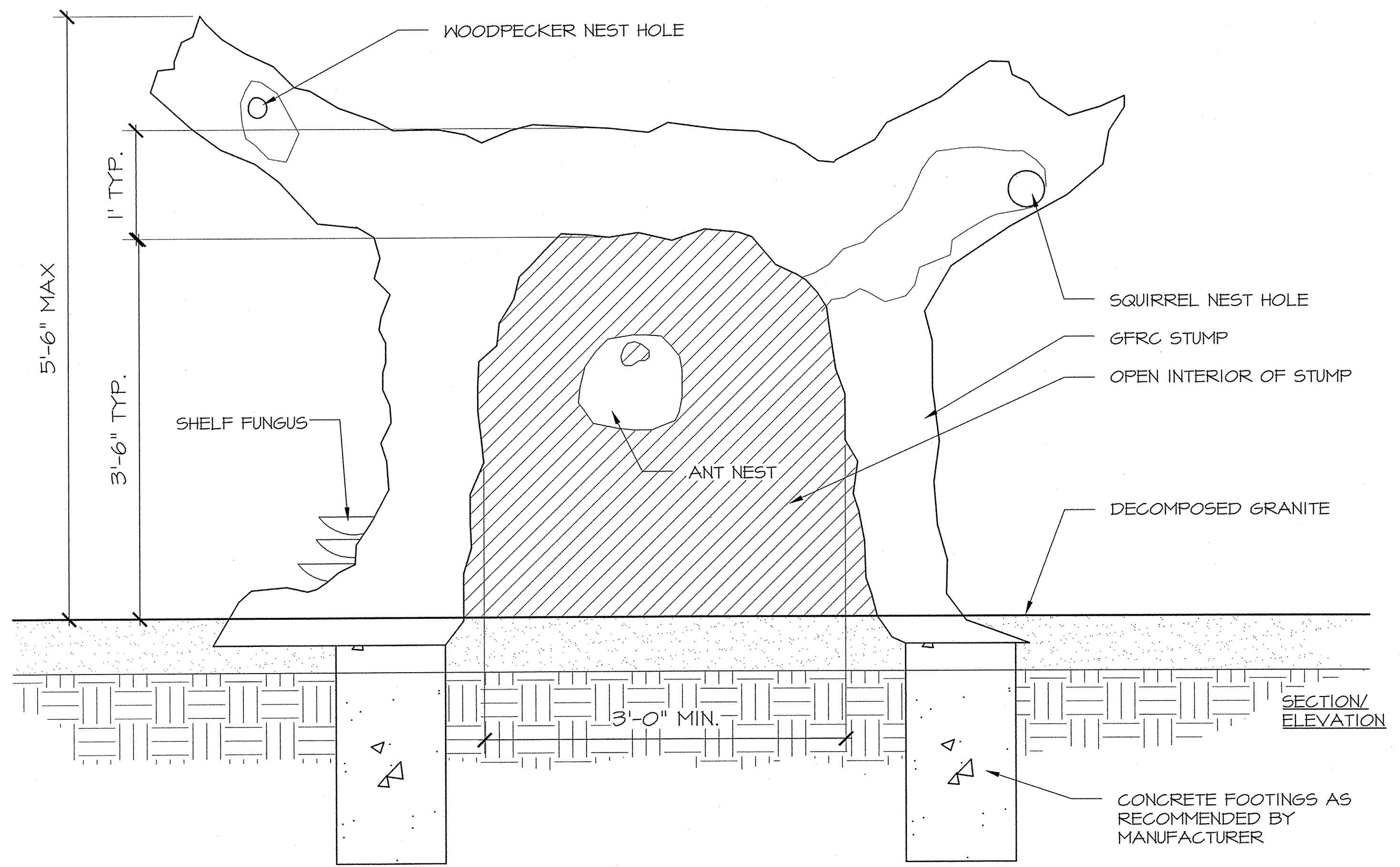


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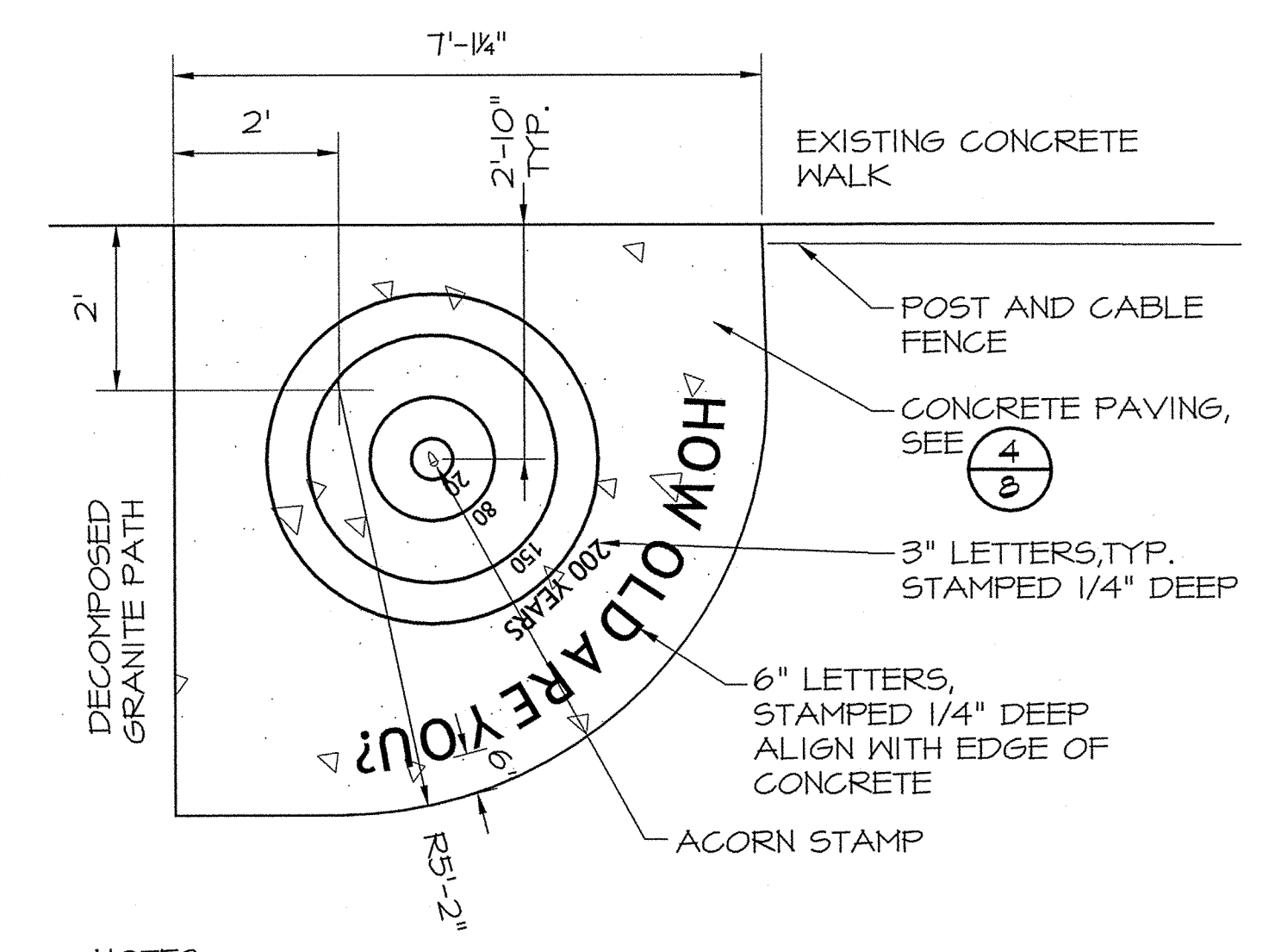


SECTION/ELEVATION

- NOTES:
- SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION.
  - PHOTOGRAPHS OF FEATURES CAN BE PROVIDED FOR REFERENCE IN FABRICATION.
  - ADD SIGN ON OR ADJACENT TO TREE:  
DEAD TREES ARE STILL IMPORTANT HABITAT. WHO DO YOU SEE LIVING IN THIS DEAD TREE?

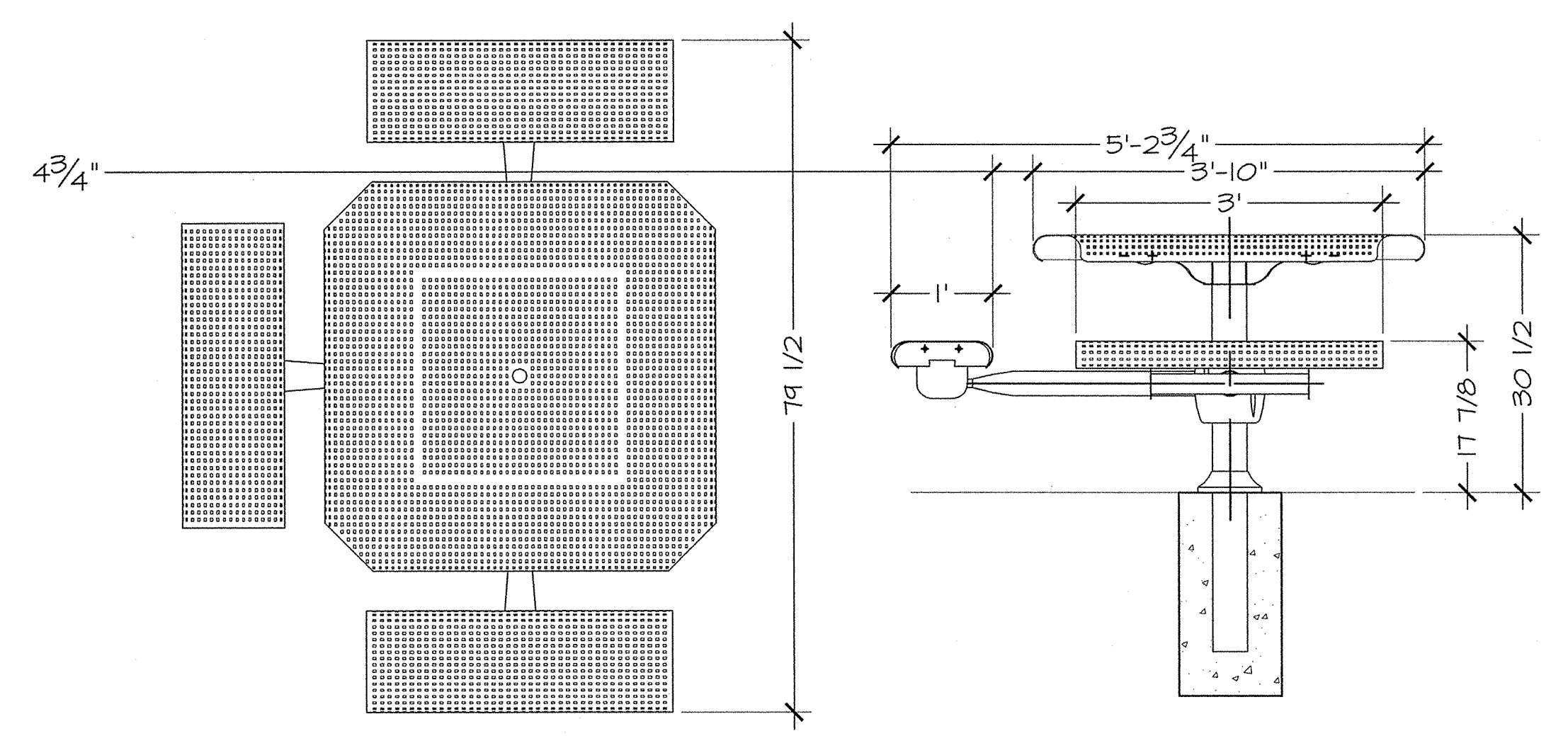
1 OAK STUMP INTERACTIVE FEATURE

- APPROXIMATE DIAMETER OF TREE RINGS:
- 1 YEAR - ACORN STAMP
  - 5 YEAR - 2"
  - 20 YEAR - 6"
  - 80 YEAR - 18"
  - 150 YEAR - 3'
  - 200 YEAR - 4'



- NOTES:
- FINISH CONCRETE WITH BEIGE CREAM COLOR HARDENER, AS MANUFACTURED BY SCOFIELD.
  - STAIN "BARK" OF RING EDGES WITH OLD HICKORY TINTURA CONCRETE STAIN, AS MANUFACTURED BY SCOFIELD. LIGHTLY STAIN INSIDE OF TREE TRUNK WITH OLD HICKORY STAIN IN CIRCULAR PATTERN TO GIVE TREE RING APPEARANCE.
  - CONSTRUCT TEST PANEL OF STAIN TREATMENTS PRIOR TO POURING CONCRETE.
  - TREE TRUNK OUTLINE SHALL BE TOOLED 1/4" DEEP AND WIDE INTO CONCRETE. OUTLINE SHALL BE IRREGULAR PATTERN ROUGHLY FOLLOWING DIAMETER SHOWN.

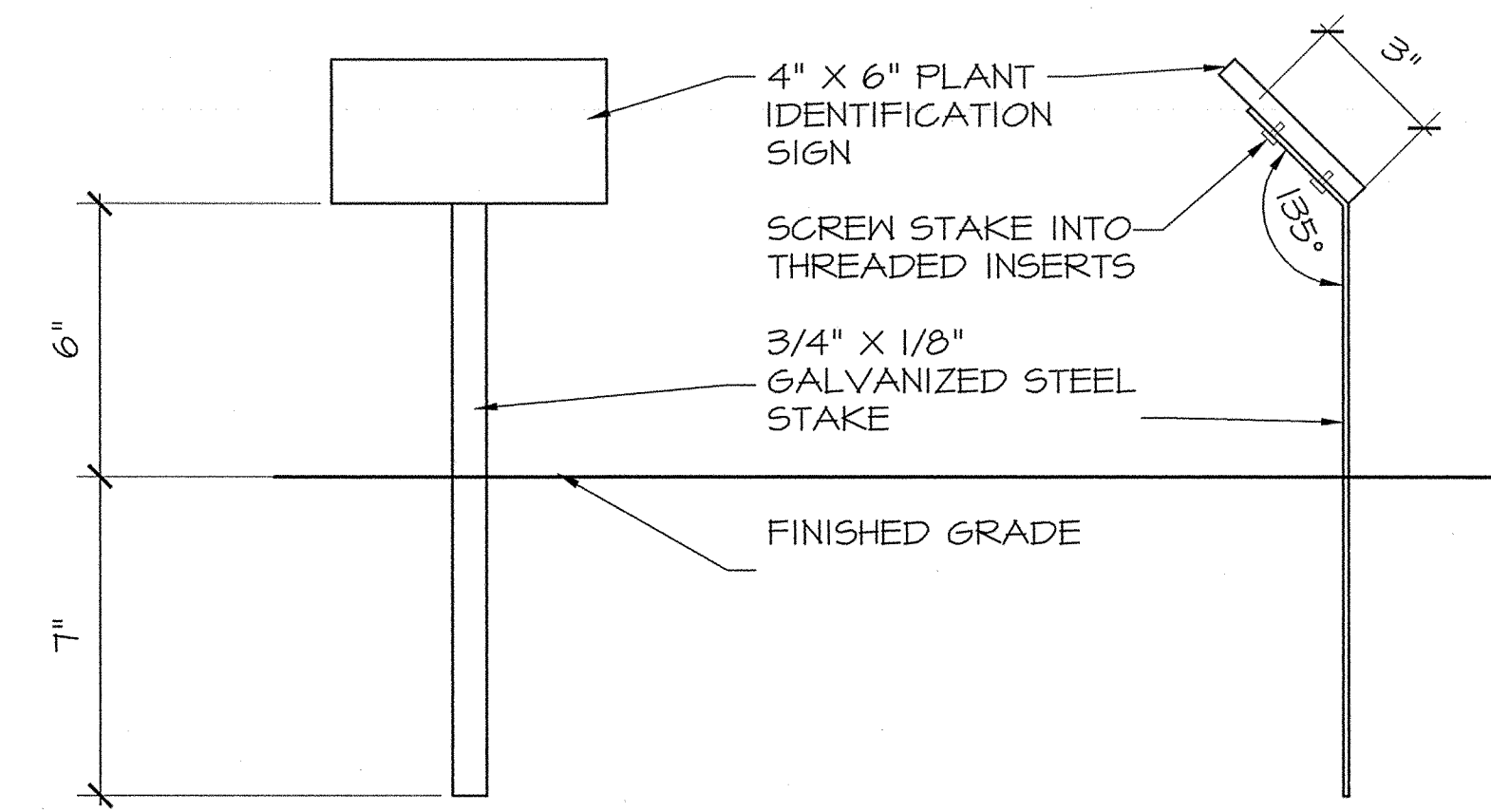
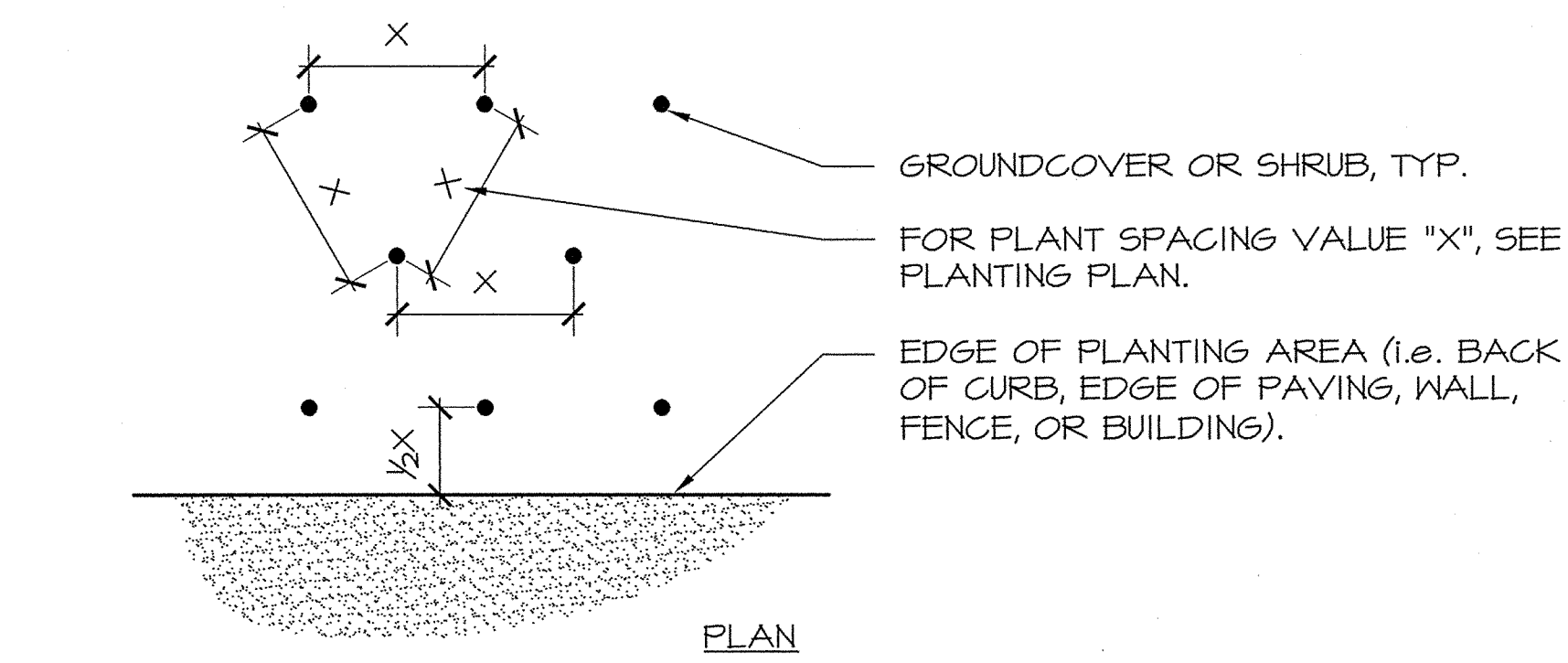
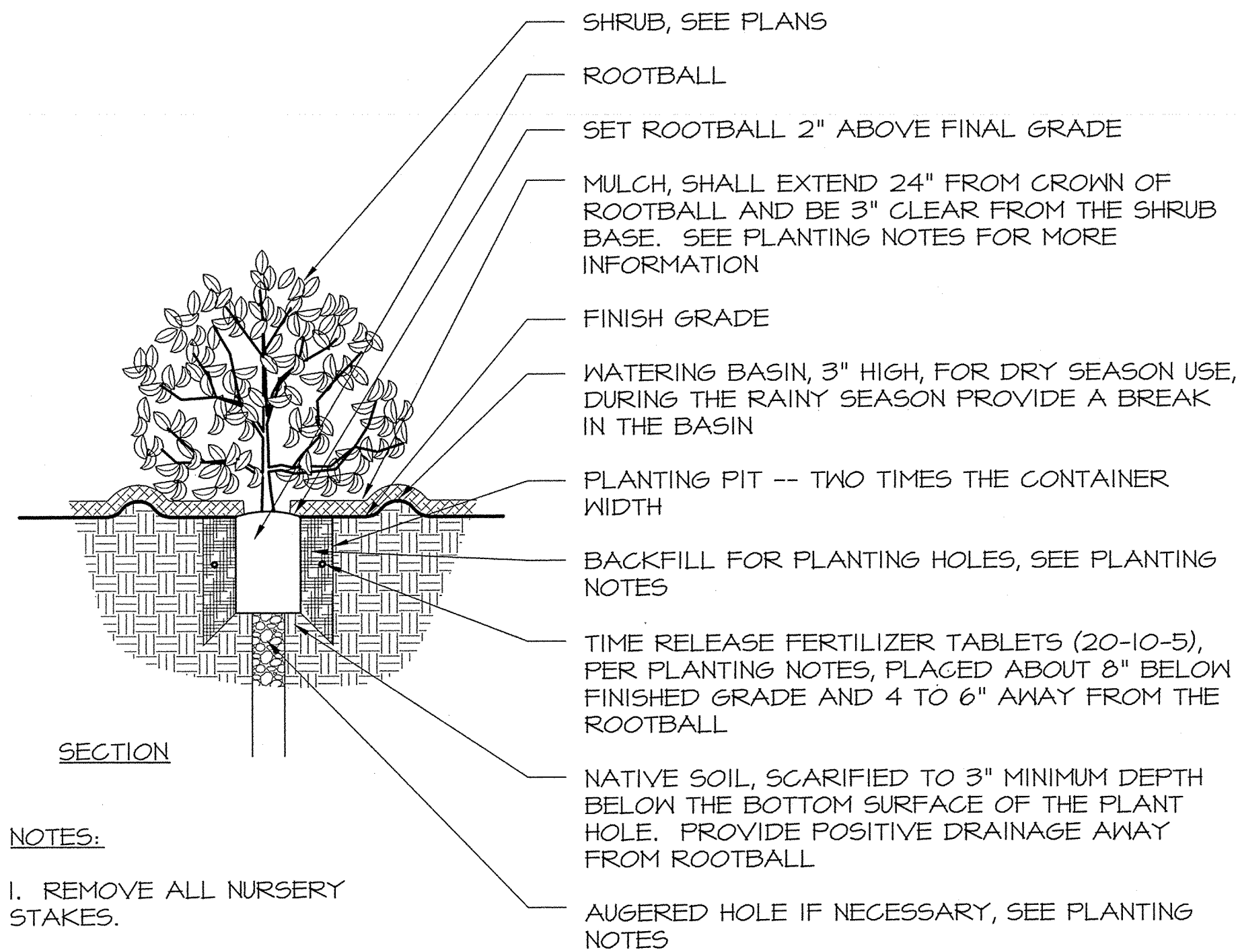
2 OAK AGE EXHIBIT



- NOTES:
- TABLE SHALL BE URBANSCAPE PORTAGE WITH SQUARE PERFORATION, IN-GROUND MOUNT, COLOR: MOCCASIN. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
  - ADA-ACCESSIBLE TABLE SHOWN. PROVIDE TWO ADA-ACCESSIBLE TABLES AND TWO 4-SEAT TABLES. REFER TO SHEET L3 FOR PLACEMENT OF TABLES.

3 PICNIC TABLE

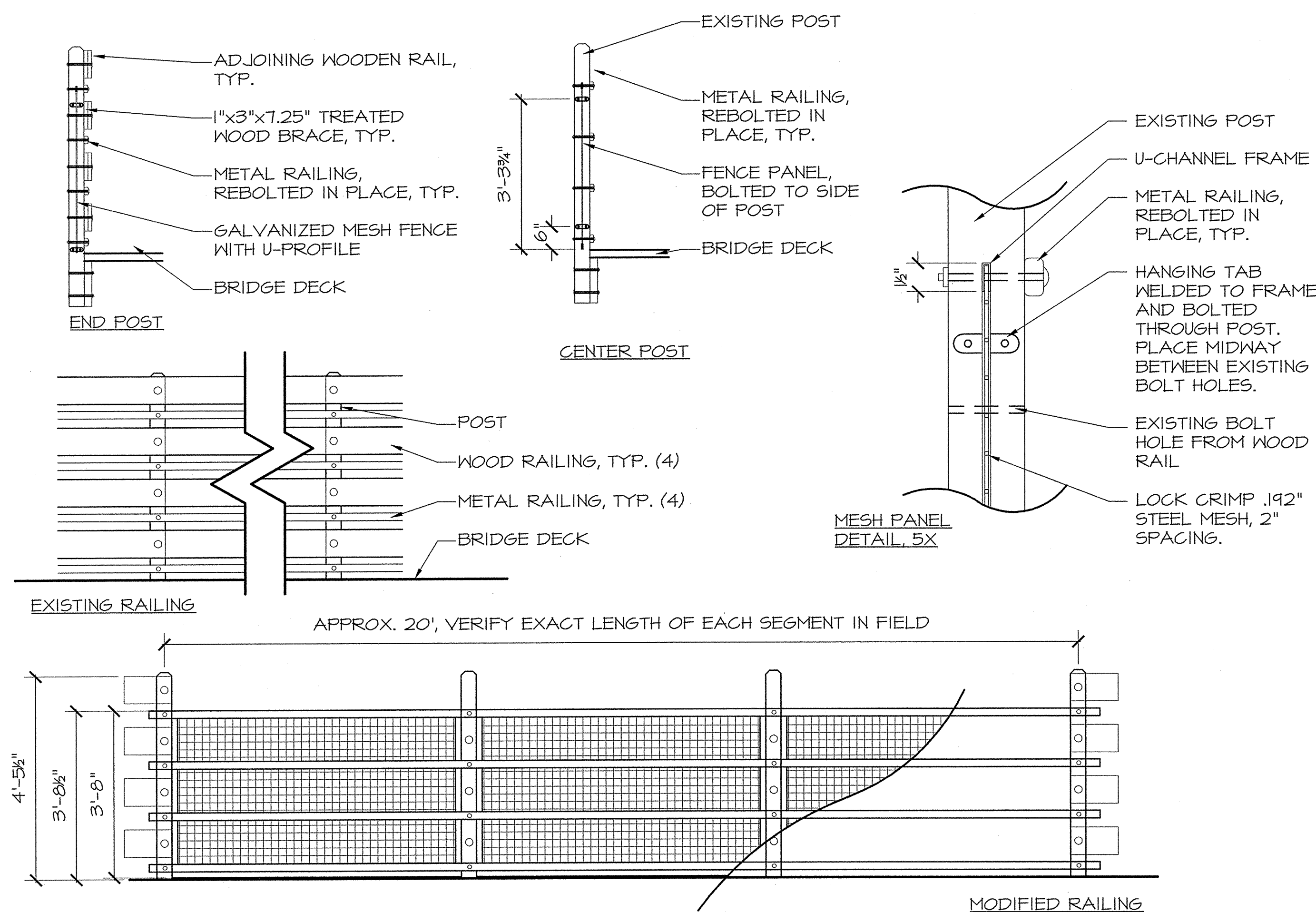




2 PLANT SPACING

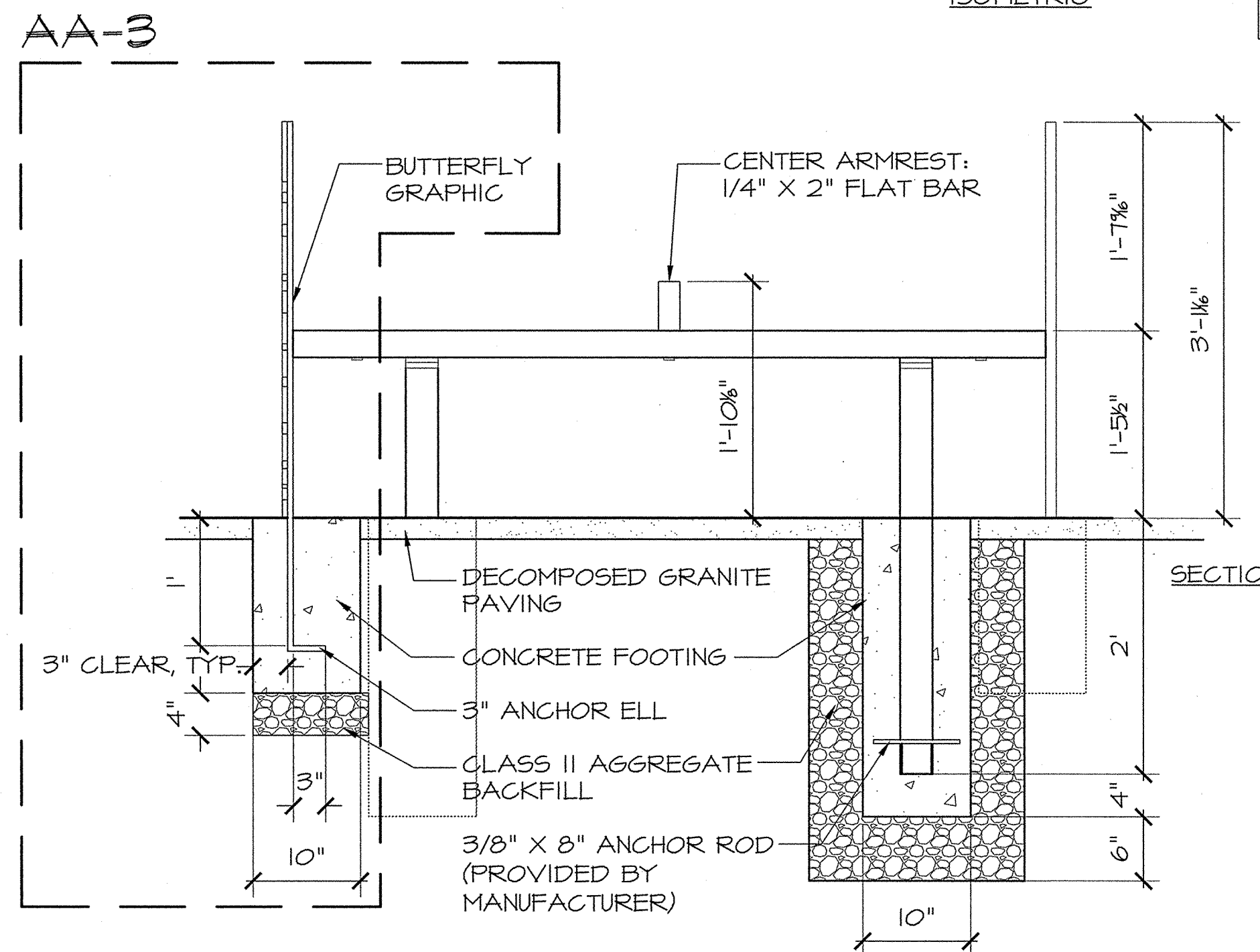
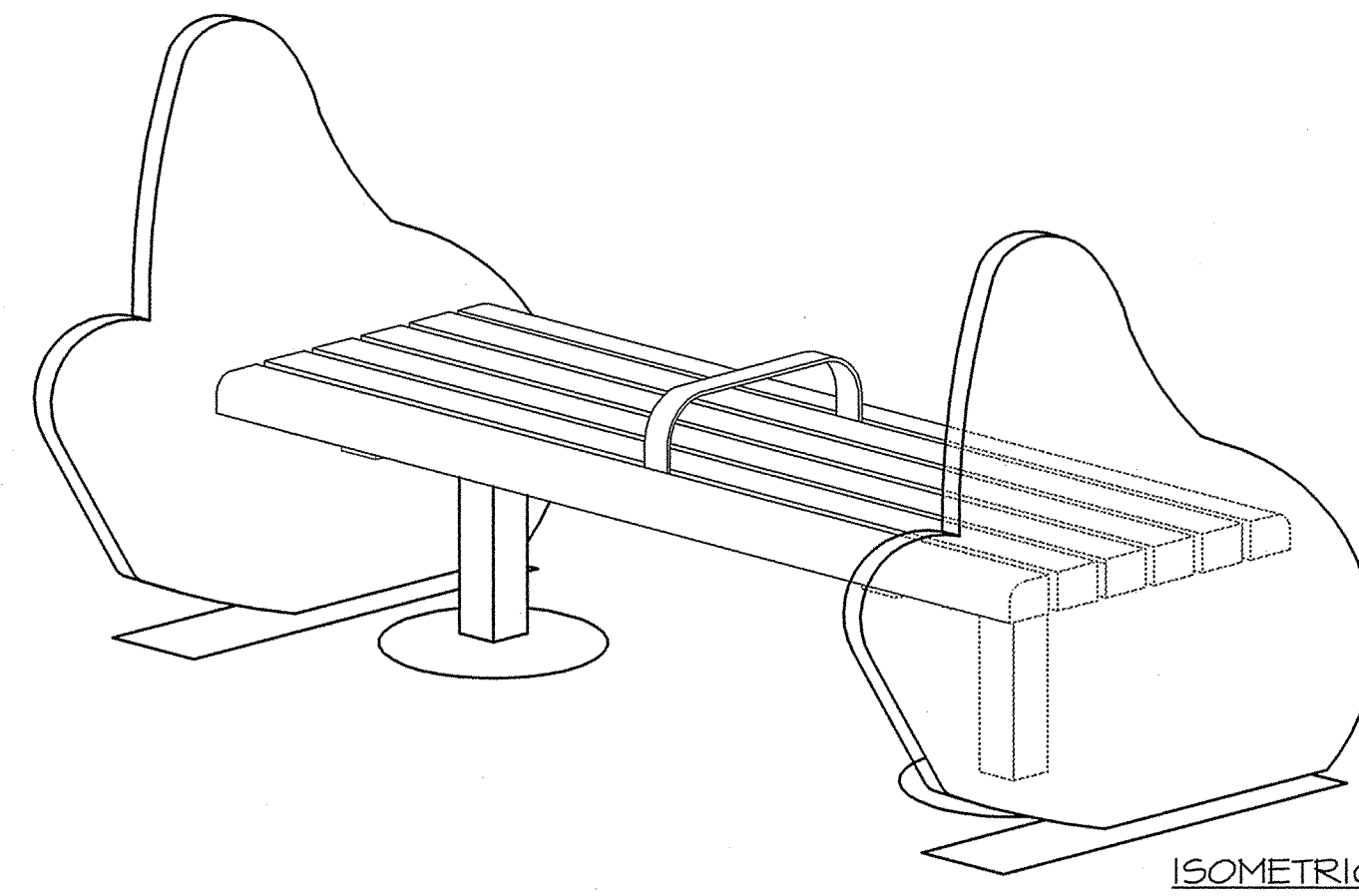
3 GARDEN SIGN STAKE

1 SHRUB PLANTING



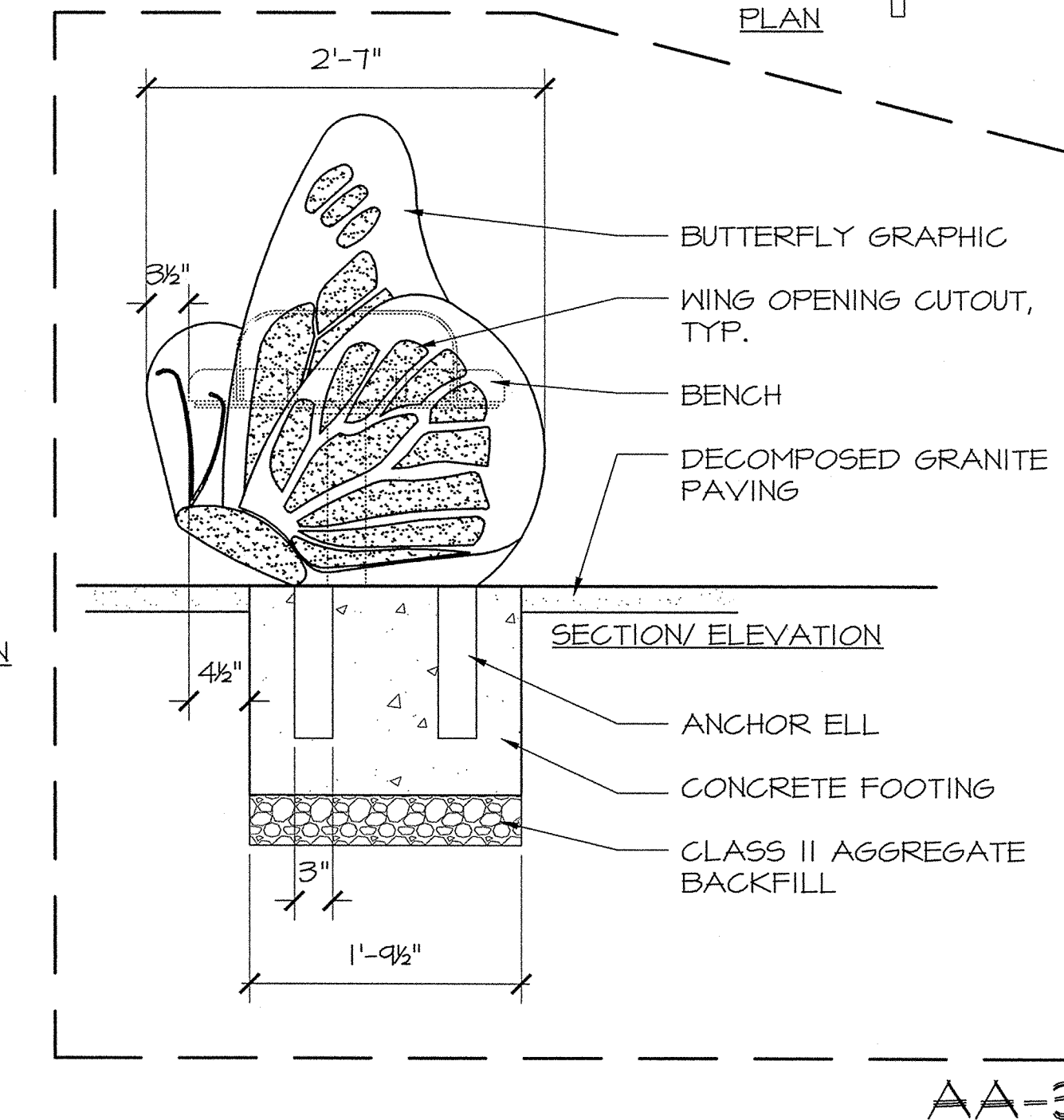
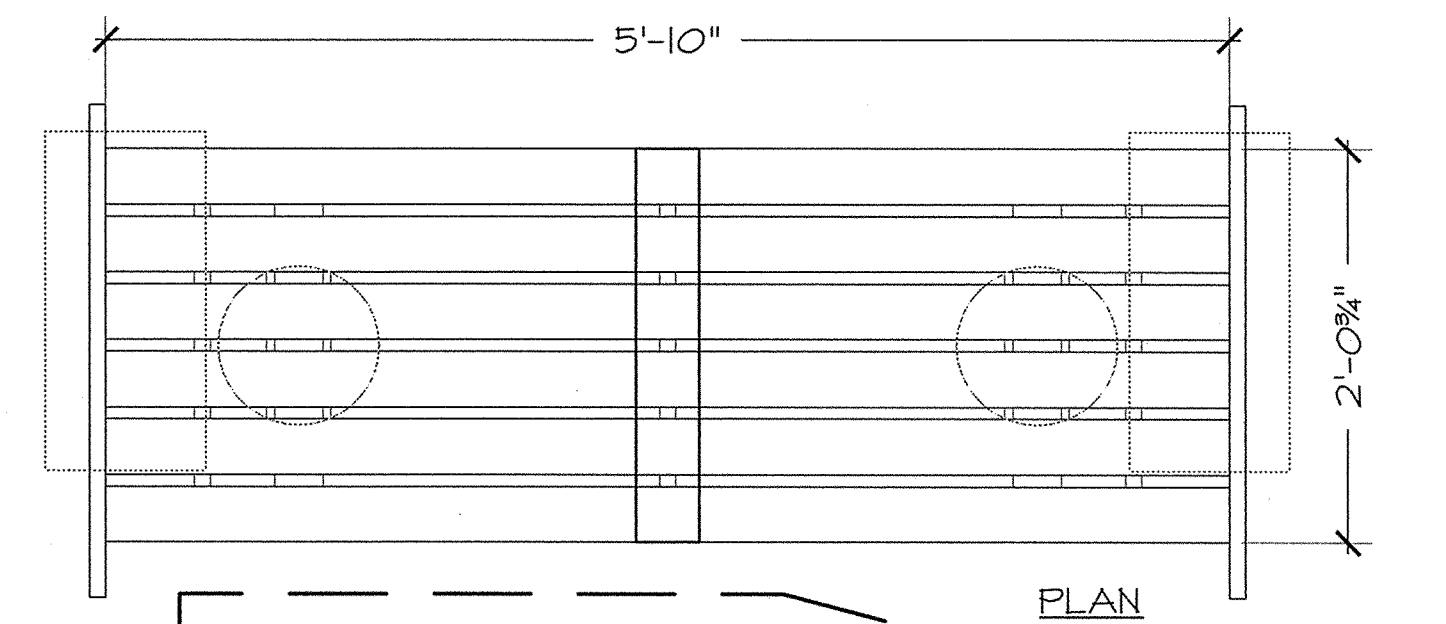
- NOTES:
1. REMOVE ALL NURSERY STAKES.
  1. REMOVE ALL NURSERY STAKES.
  1. REMOVE ALL NURSERY STAKES.
  1. REMOVE ALL NURSERY STAKES.
  1. REMOVE ALL NURSERY STAKES.

4 BRIDGE RAILING



- NOTES:
1. 6' FLAT BENCH WITH RECYCLED PLASTIC SLATS, (COLOR: OAK), AND CENTER ARM REST (POWDERCOAT BLACK). IN-GROUND MOUNT. THOMAS STEELE, WALDEN MODEL, OR APPROVED EQUAL.
  2. INSTALL BENCH IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
  3. BUTTERFLY GRAPHIC TO BE TWO CUSTOM CUT ALUMINUM PANELS, EACH 1/2" THICK. BACK PANEL (NEXT TO BENCH) TO BE SOLID WITH INTEGRAL ANCHORS. FRONT PANEL TO BE CUSTOM CUT WITH WING PATTERN. WELD PANELS TOGETHER.
  4. EXTERIOR SURFACES OF BUTTERFLY CUTOUT TO BE ENAMELED BLACK, INTERIOR OF WING OPENINGS TO BE ENAMELED WITH COLOR SELECTED BY LANDSCAPE ARCHITECT. EACH OF FOUR PAIRS OF BUTTERFLIES ANTICIPATED TO HAVE INDIVIDUAL COLOR.
  5. SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION. CAD DRAWING OF BUTTERFLY WING PATTERN WILL BE PROVIDED.

5 GARDEN BENCH



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DETAIL SHEETS

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CITY OF CITRUS HEIGHTS

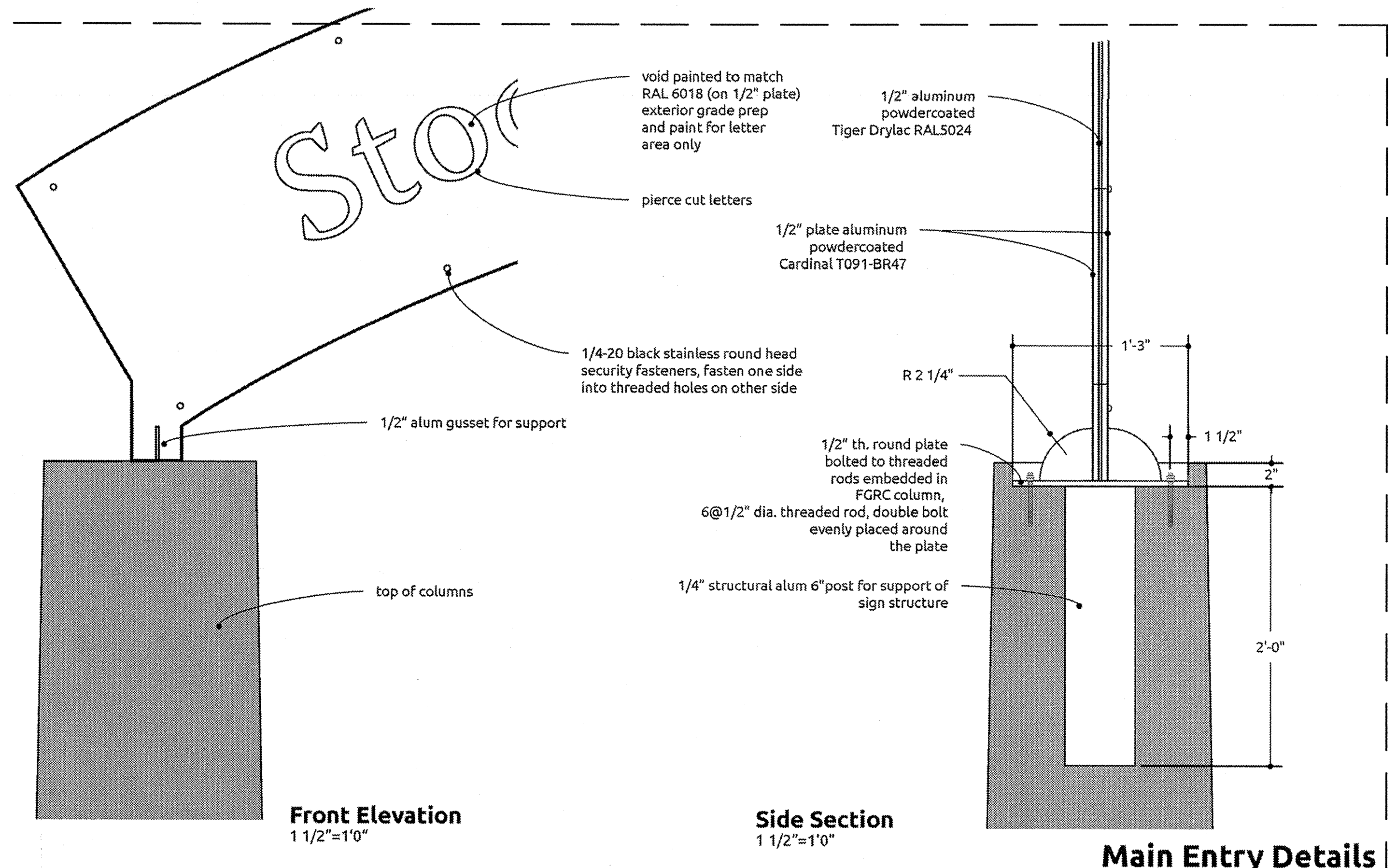
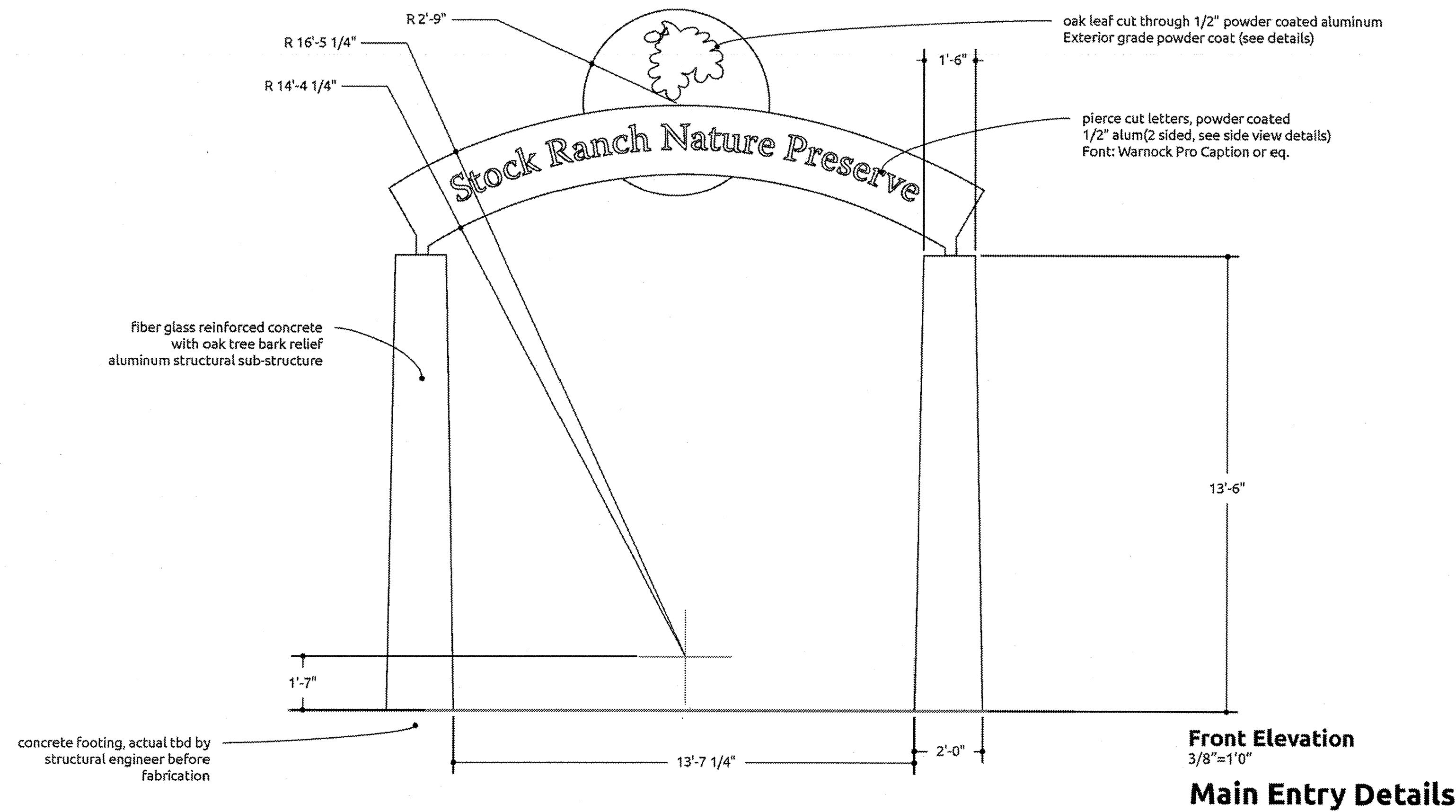


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580 MENLO DRIVE SUITE 100  
ROCKLIN, CALIFORNIA 95765  
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SHEET	



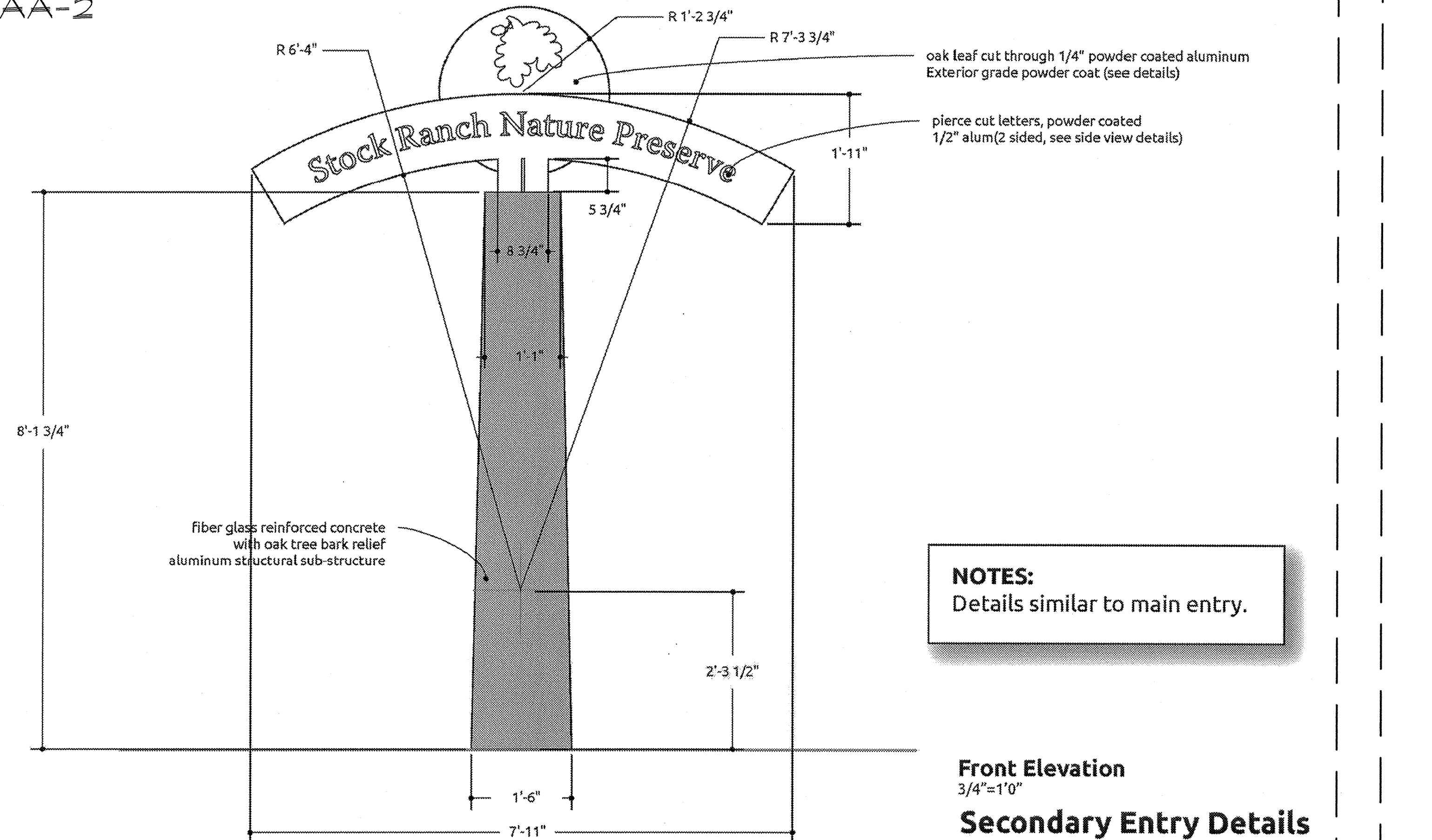
AA-1



1 MAJOR GATE

2 OVERHEAD SIGN ATTACHMENT

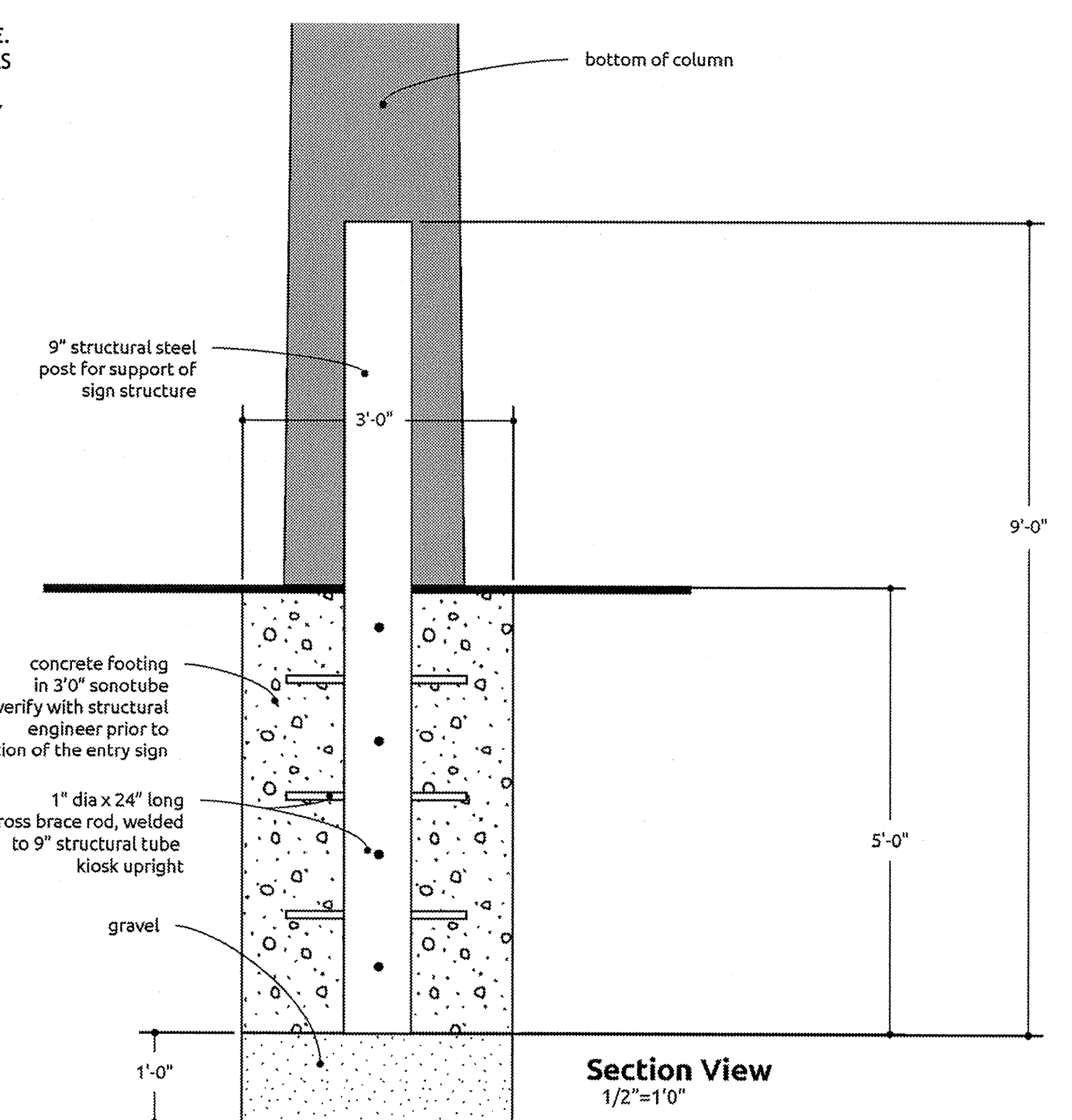
AA-2



**NOTES:**  
Details similar to main entry.

3 MINOR GATE

- NOTES FOR ALL STRUCTURAL ELEMENTS:**
1. ALL POWDER COATING AND MATERIALS SHALL BE EXTERIOR USE.
  2. SIGNAGE TO BE 1/2" PHENOLIC RESIN WITH THREADED HOLES AS NECESSARY FOR MOUNTING
  3. FOOTING AND STRUCTURAL CALCULATIONS TO BE PROVIDED BY MANUFACTURER.
  4. ALL MECHANICAL FASTENERS TO BE STAINLESS STEEL SECURITY SCREWS.
  5. SUBMIT SHOP DRAWINGS PRIOR TO FABRICATION.



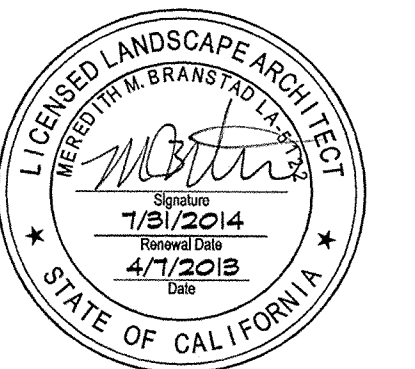
4 FOOTING

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NATURE PRESERVE  
CITY OF CITRUS HEIGHTS

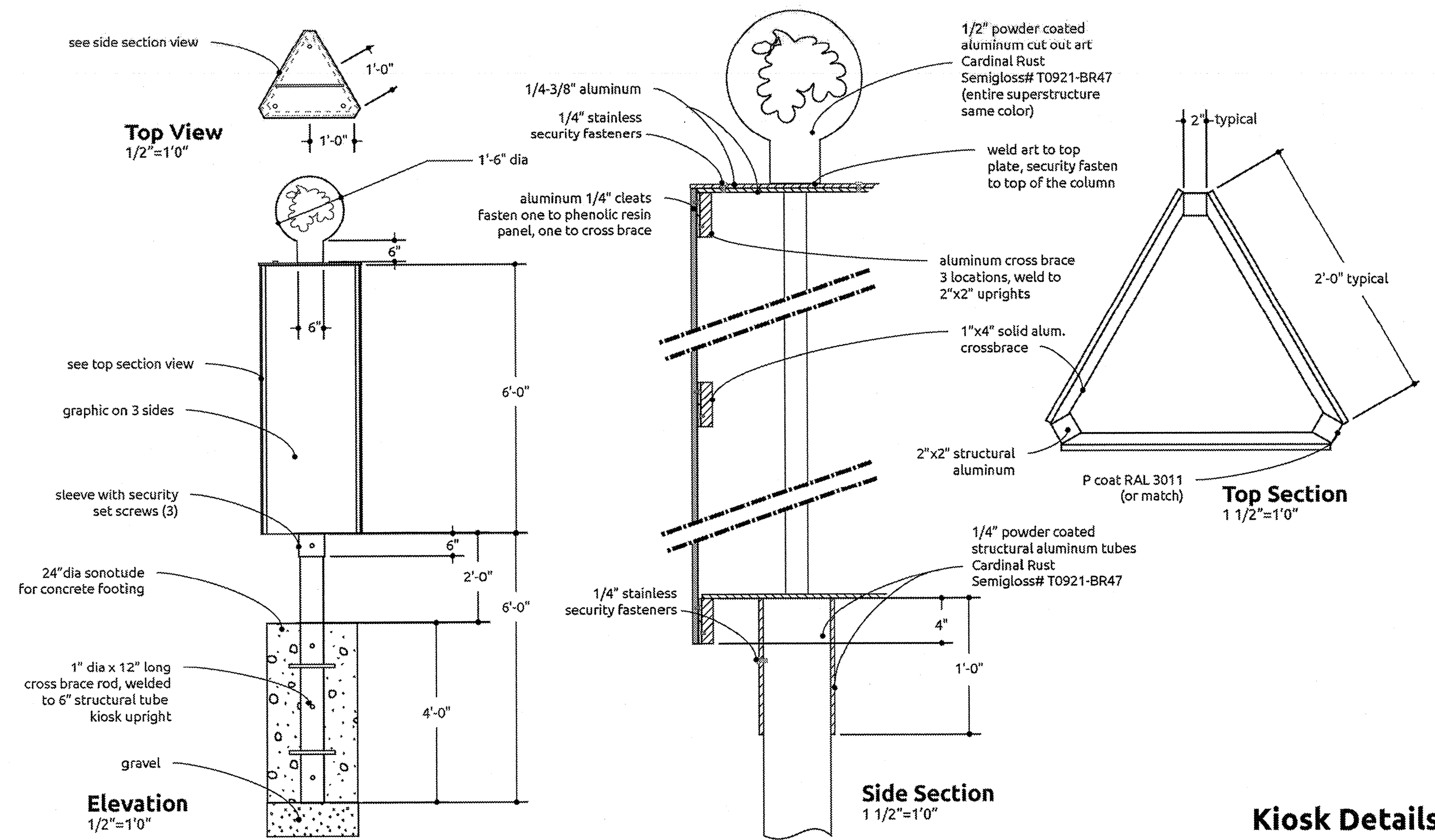
LANDSCAPE ARCHITECT OF RECORD



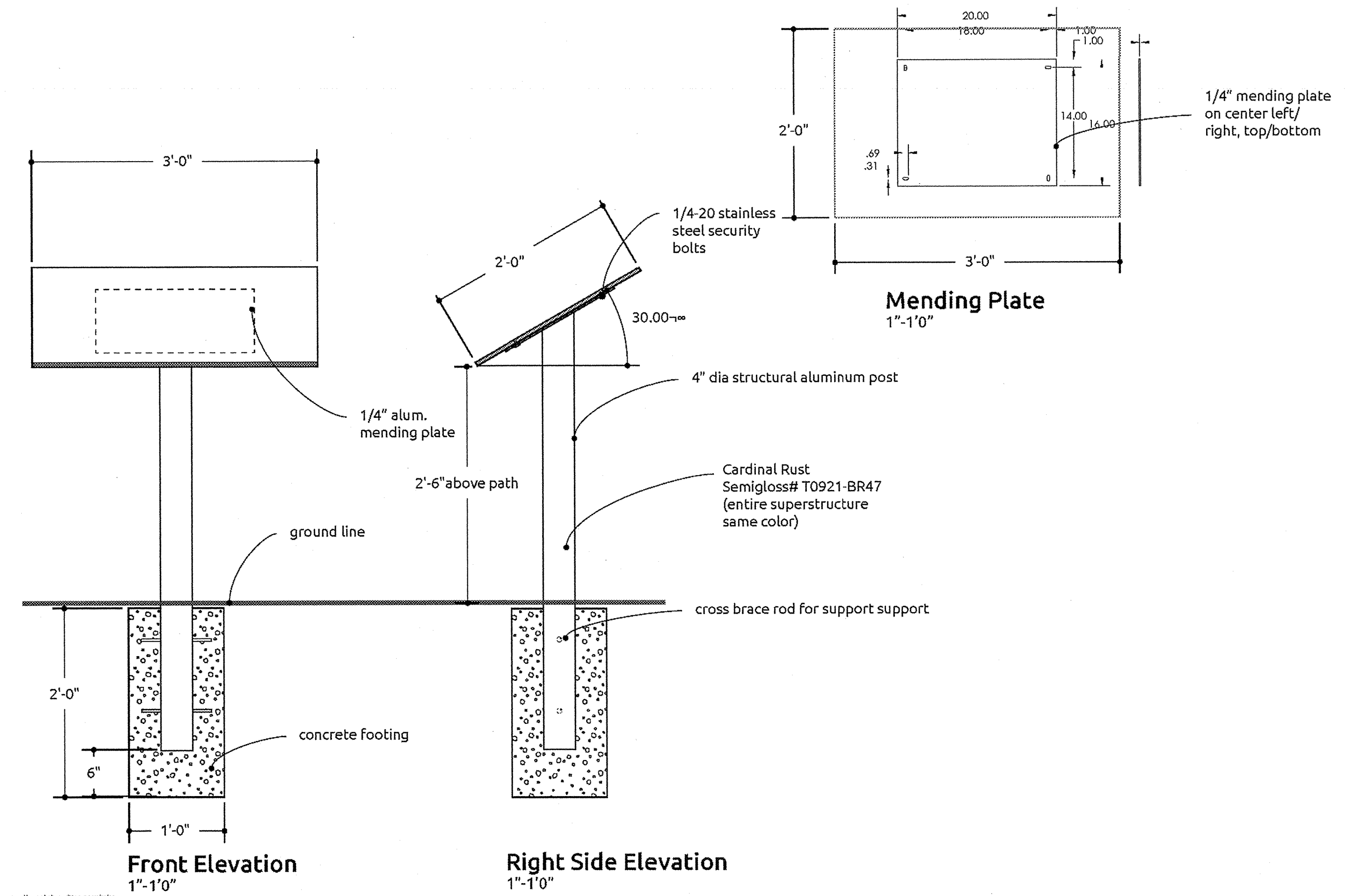
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500 MENDOCINO DRIVE, SUITE 5  
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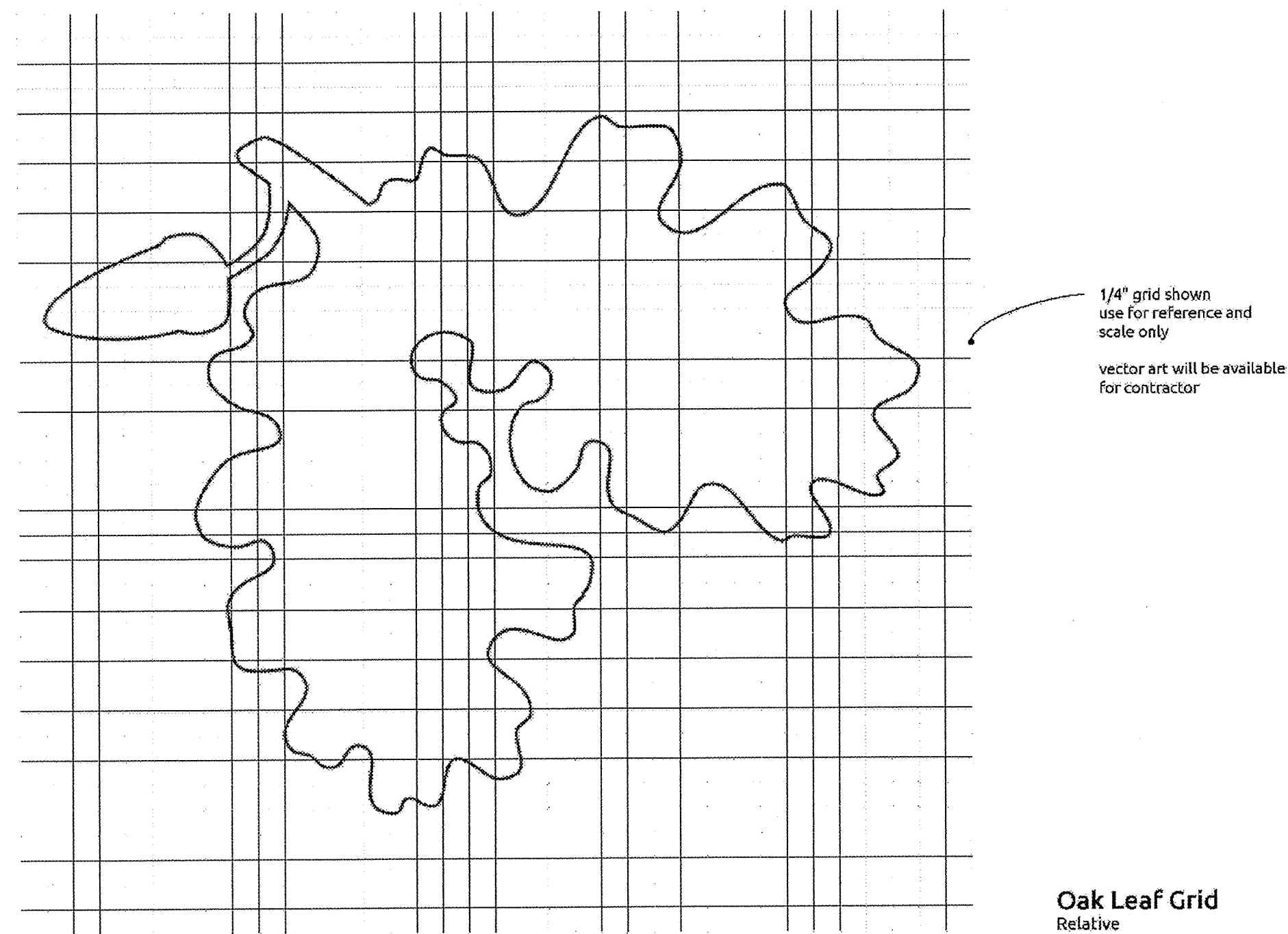


**TRAIL SIGN**

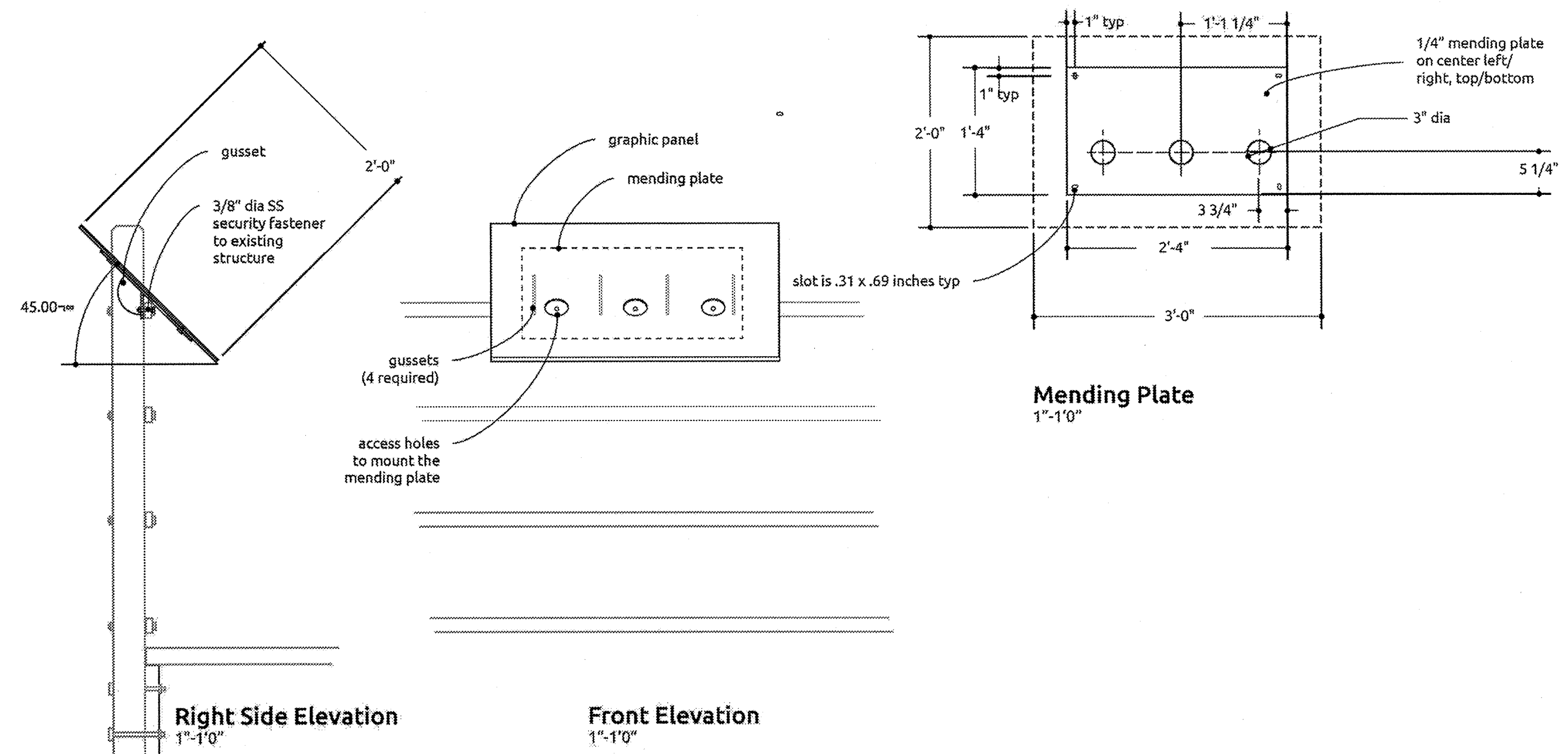
**1 TRIANGLE KIOSK**

**NOTES FOR ALL STRUCTURAL ELEMENTS:**

1. ALL POWDER COATING AND MATERIALS SHALL BE EXTERIOR USE.
2. SIGNAGE TO BE 1/2" PHENOLIC RESIN WITH THREADED HOLES AS NECESSARY FOR MOUNTING
3. FOOTING AND STRUCTURAL CALCULATIONS TO BE PROVIDED BY MANUFACTURER.
4. ALL MECHANICAL FASTENERS TO BE STAINLESS STEEL SECURITY SCREWS.
5. SUBMIT SHOP DRAWINGS PRIOR TO FABRICATION.



**3 OAK LEAF ICON**



**4 BRIDGE RAIL SIGN MOUNT**

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NATURE PRESERVE**  
CITY OF CITRUS HEIGHTS

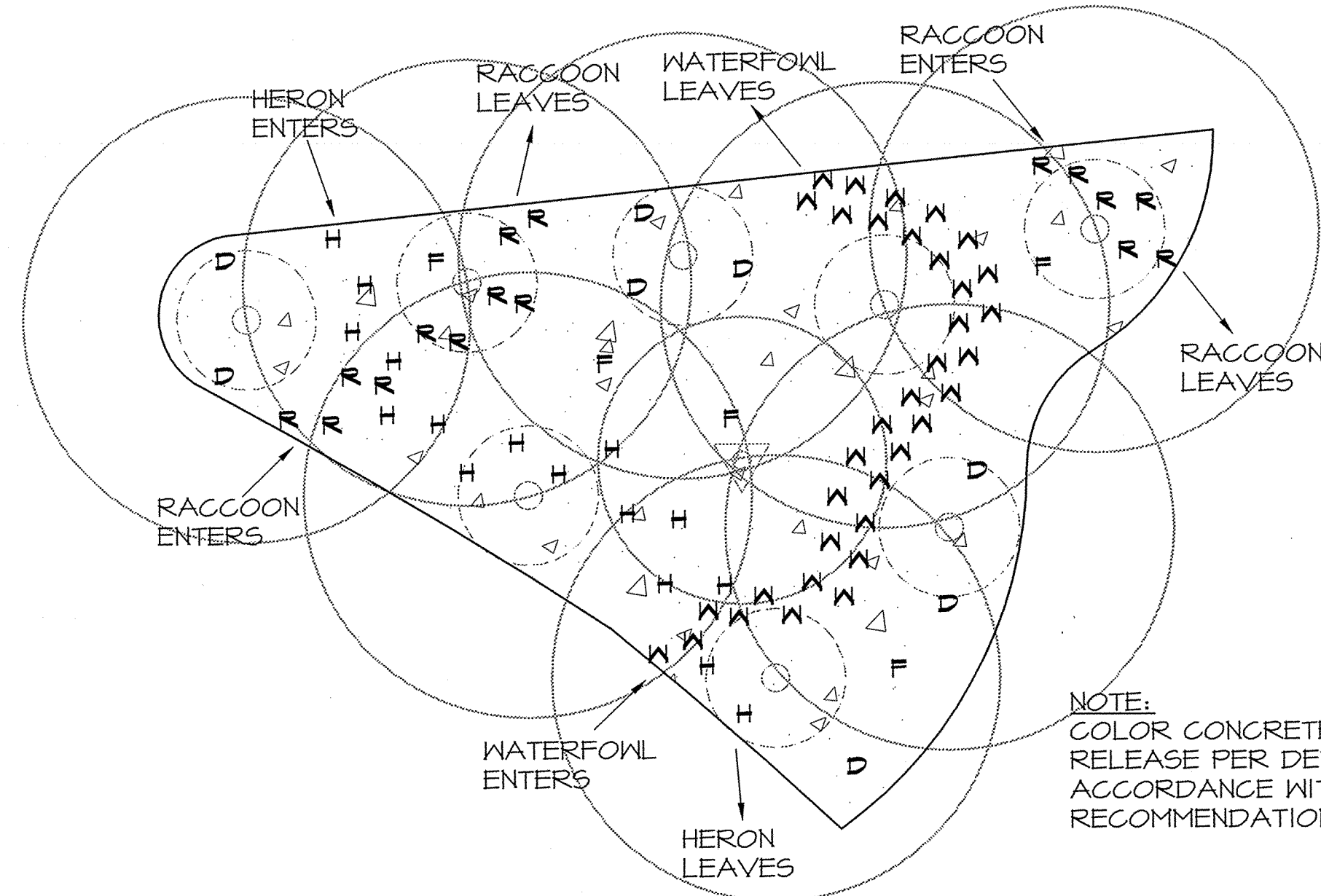
LANDSCAPE ARCHITECT OF RECORD



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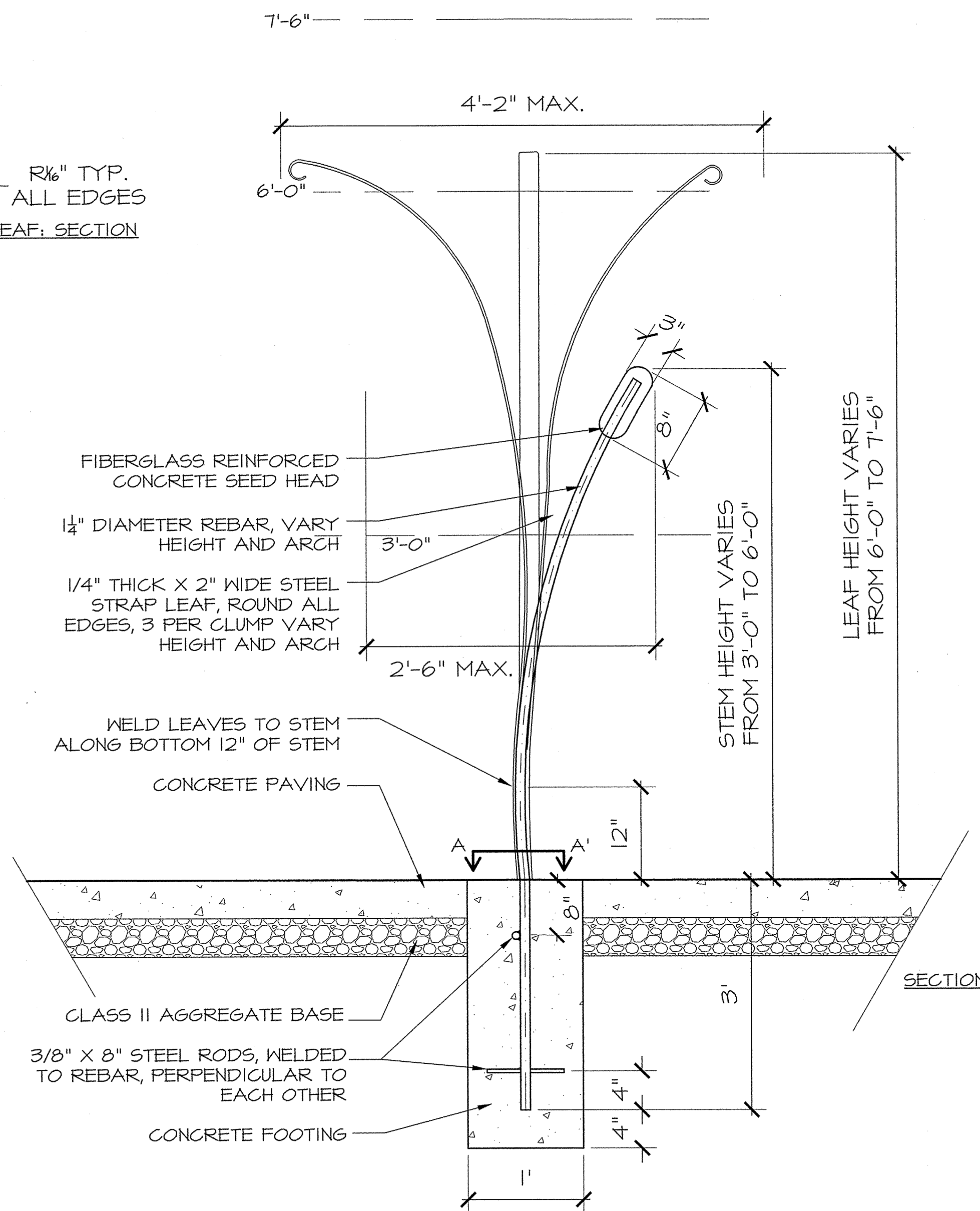
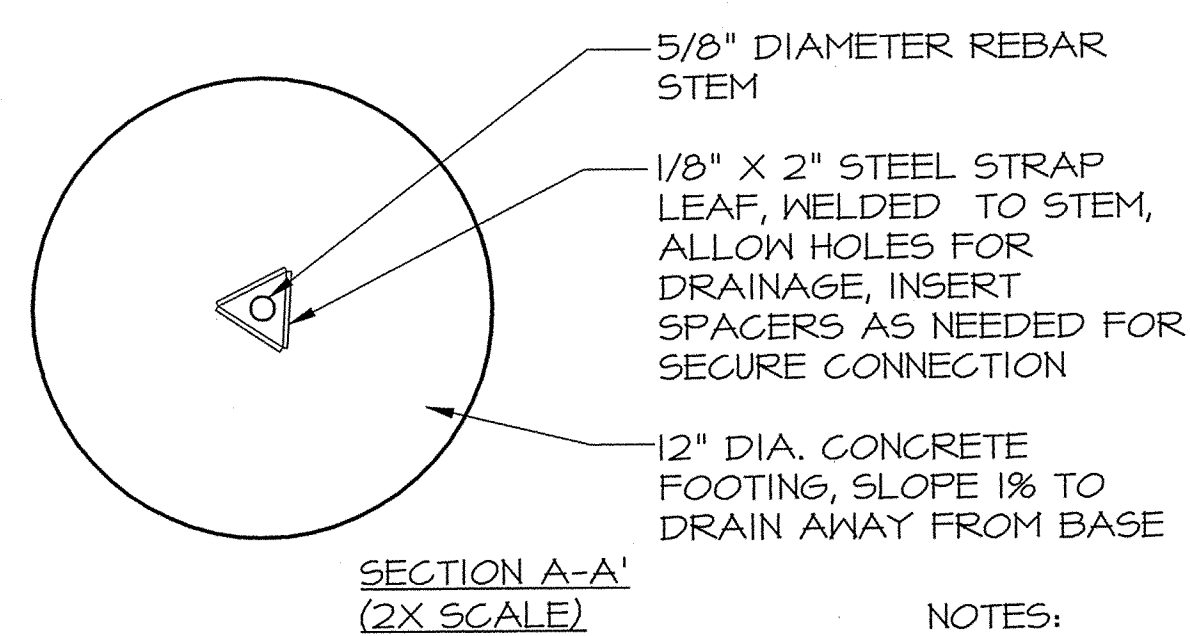
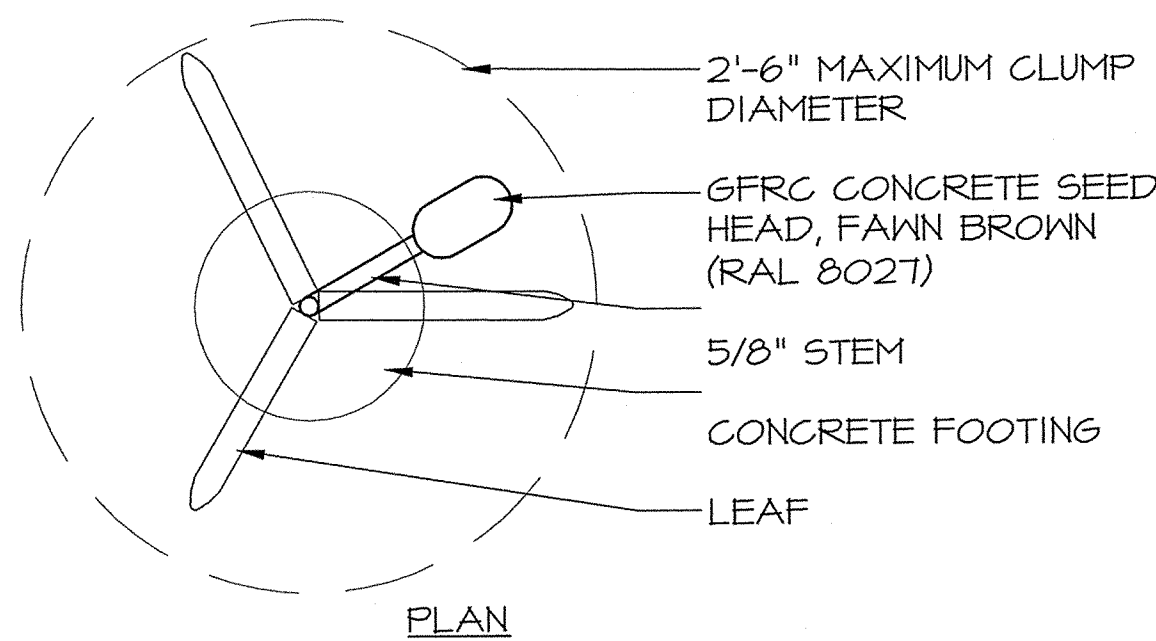
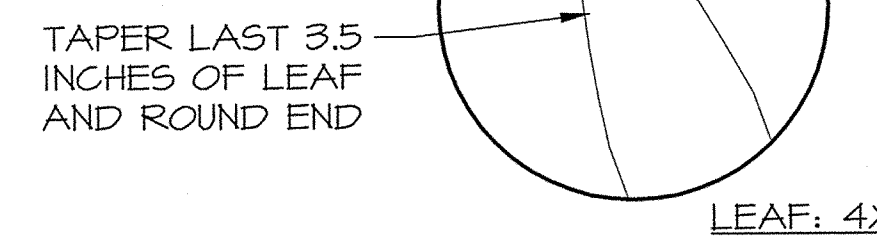
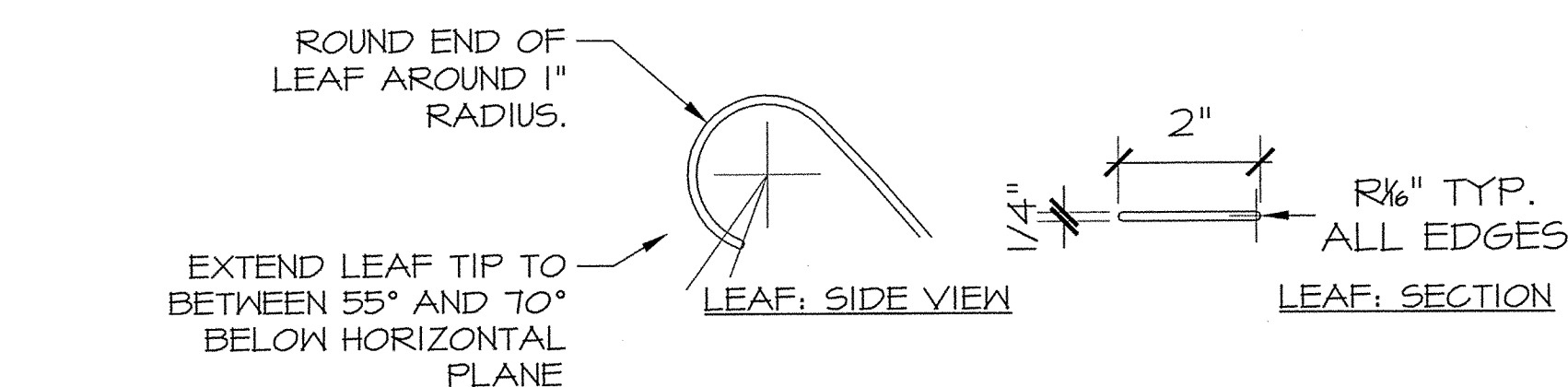


- W WATERFOWL PRINT STAMP: CALICO CONSTRUCTION PRODUCTS, AT140 OR APPROVED EQUAL. PLACE FOOTPRINTS FOR 3"-4" STRIDE.
- H HERON FOOTPRINT STAMP: A-1 SUPPLY BLUE HERON STAMP, OR APPROVED EQUAL. PLACE FOOTPRINTS FOR 8-10" STRIDE.
- R RACCOON PRINT STAMP: A-1 SUPPLY RACCOON STAMP, OR APPROVED EQUAL. PLACE FOOTPRINTS FOR 13"-15" STRIDE.
- D DRAGONFLY STAMP: A-1 SUPPLY OR APPROVED EQUAL.
- F TREE FROG STAMP: A-1 SUPPLY OR APPROVED EQUAL.

A-1 SUPPLY: 509-762-9389  
 CALICO CONSTRUCTION: 800-221-9469

NOTE:  
 COLOR CONCRETE WITH COLOR HARDENER AND ANTIQUING RELEASE PER DETAIL 2, SHEET 4. APPLY ALL MATERIALS IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

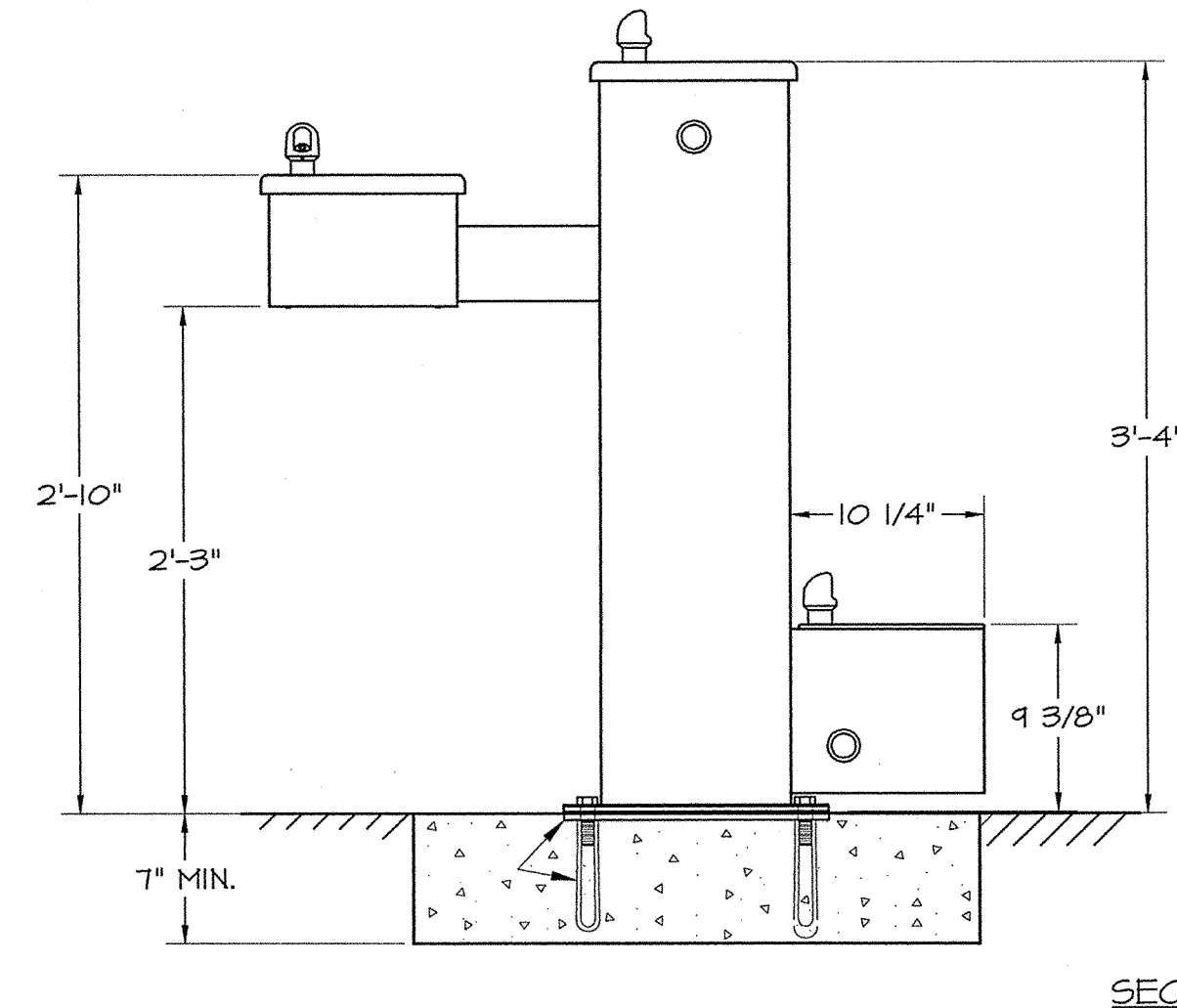
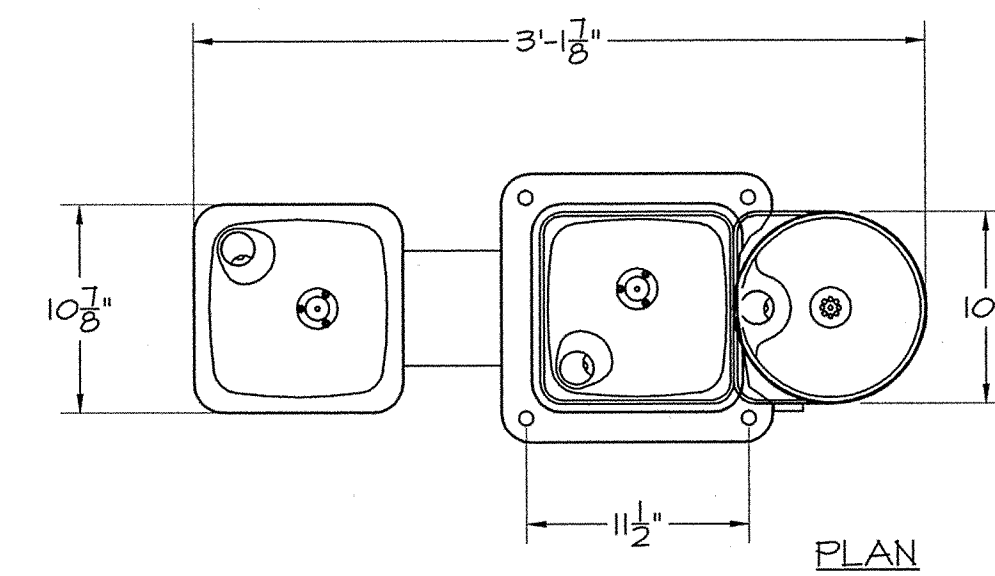
1 WETLAND PAVING



- NOTES:
- POWDERCOAT ALL EXPOSED METAL PEARL GREEN, (RAL 1C542D).
  - INSTALL CATTAIL CLUMPS 8' ON CENTER, SEE LAYOUT PLAN.
  - SUBMIT SHOP DRAWINGS AND COLOR SAMPLES FOR APPROVAL PRIOR TO FABRICATION.

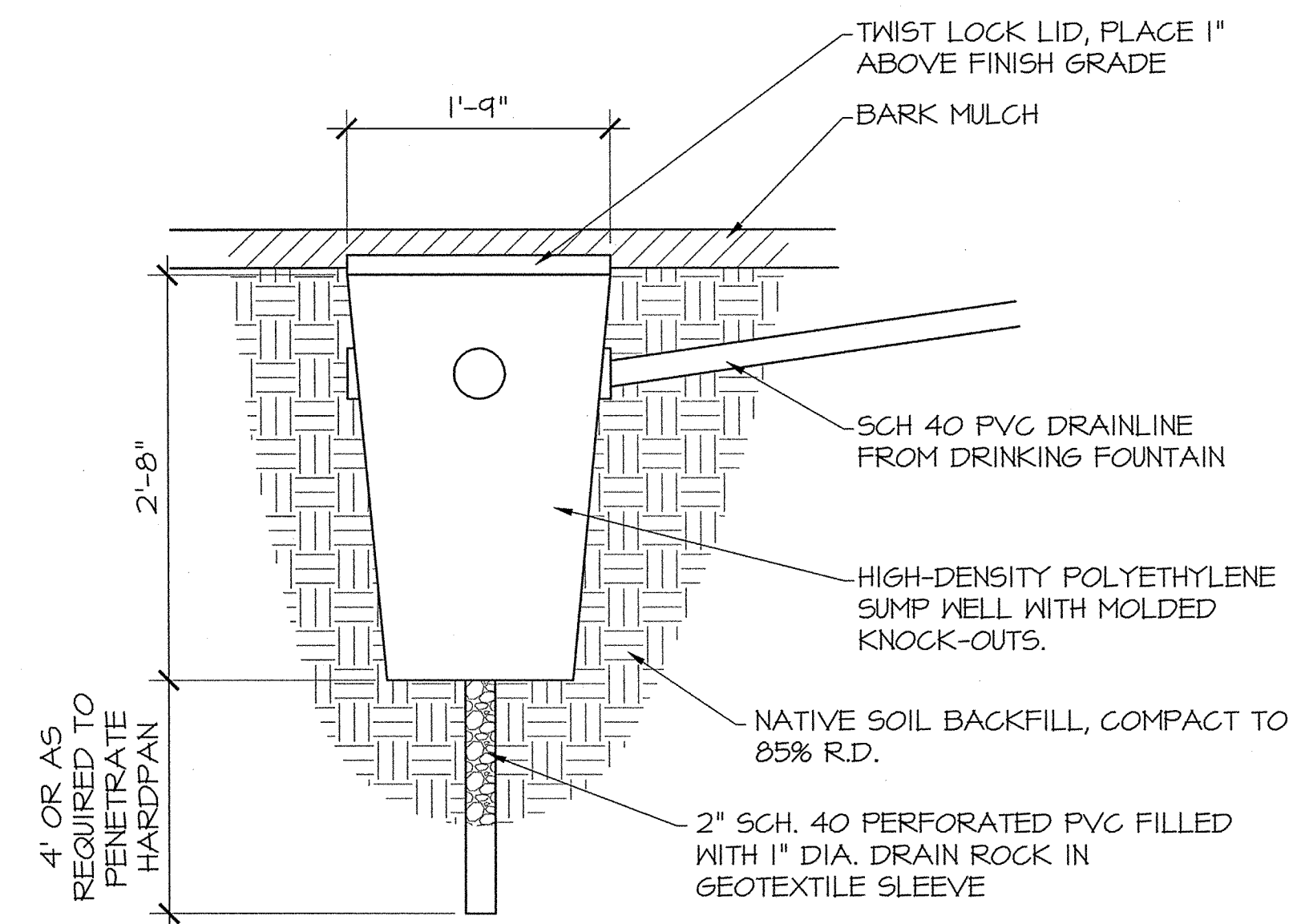
2 WETLAND INTERACTIVE FEATURE

AA-5



- NOTES:
- INSTALL DRINKING FOUNTAIN ON CONCRETE PAD AND CONNECT TO NEW 3/4" WATER LINE.
  - DRAIN TO SUMP IN ADJACENT PLANTER. CONFIRM SUMP LOCATION PRIOR TO EXCAVATION.

3 DRINKING FOUNTAIN



4 DRINKING FOUNTAIN SUMP DETAIL

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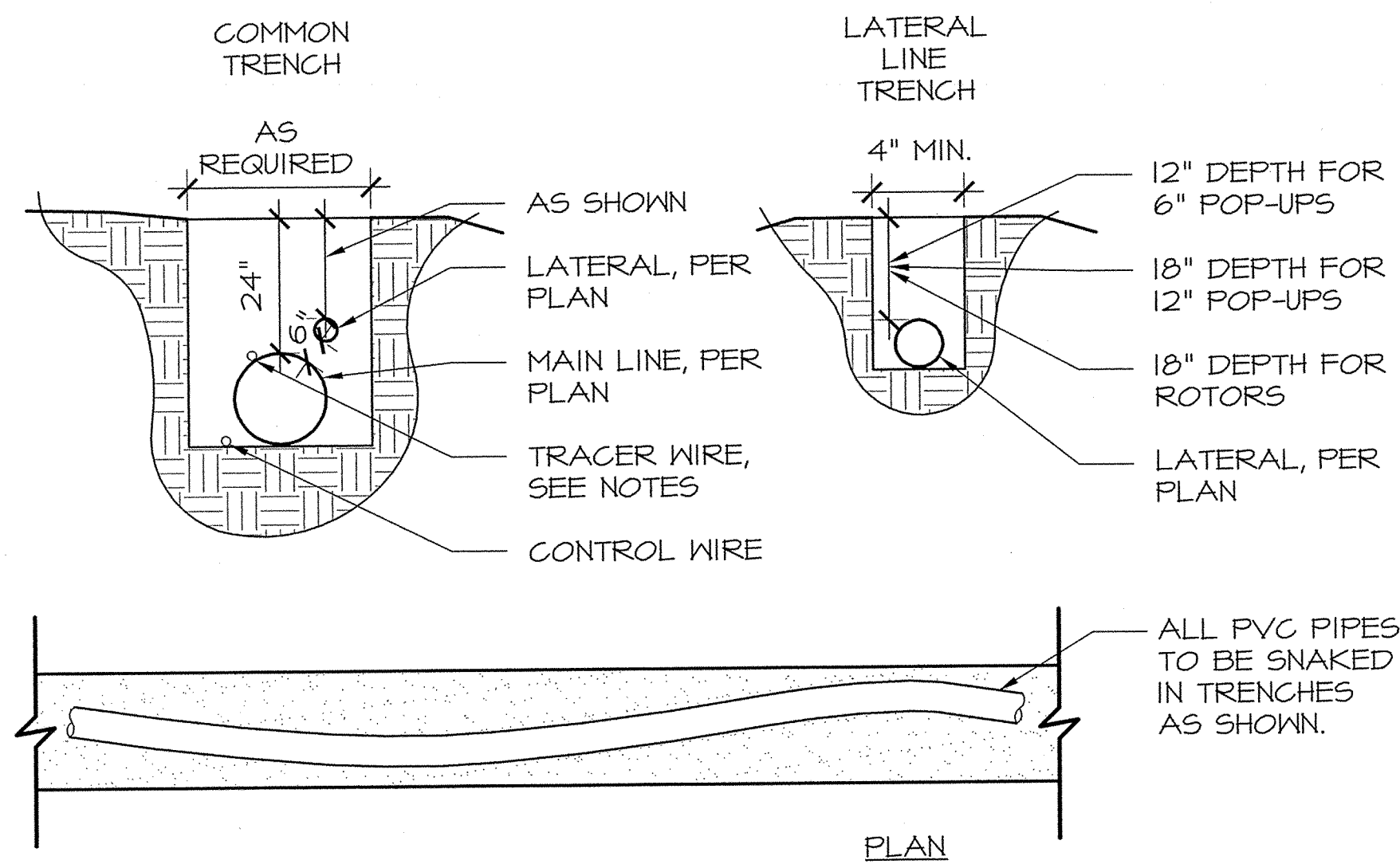
LANDSCAPE ARCHITECT OF RECORD



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 501 HENRI DR. SUITE 500  
 ROCKLEDGE CITY, CA 95765  
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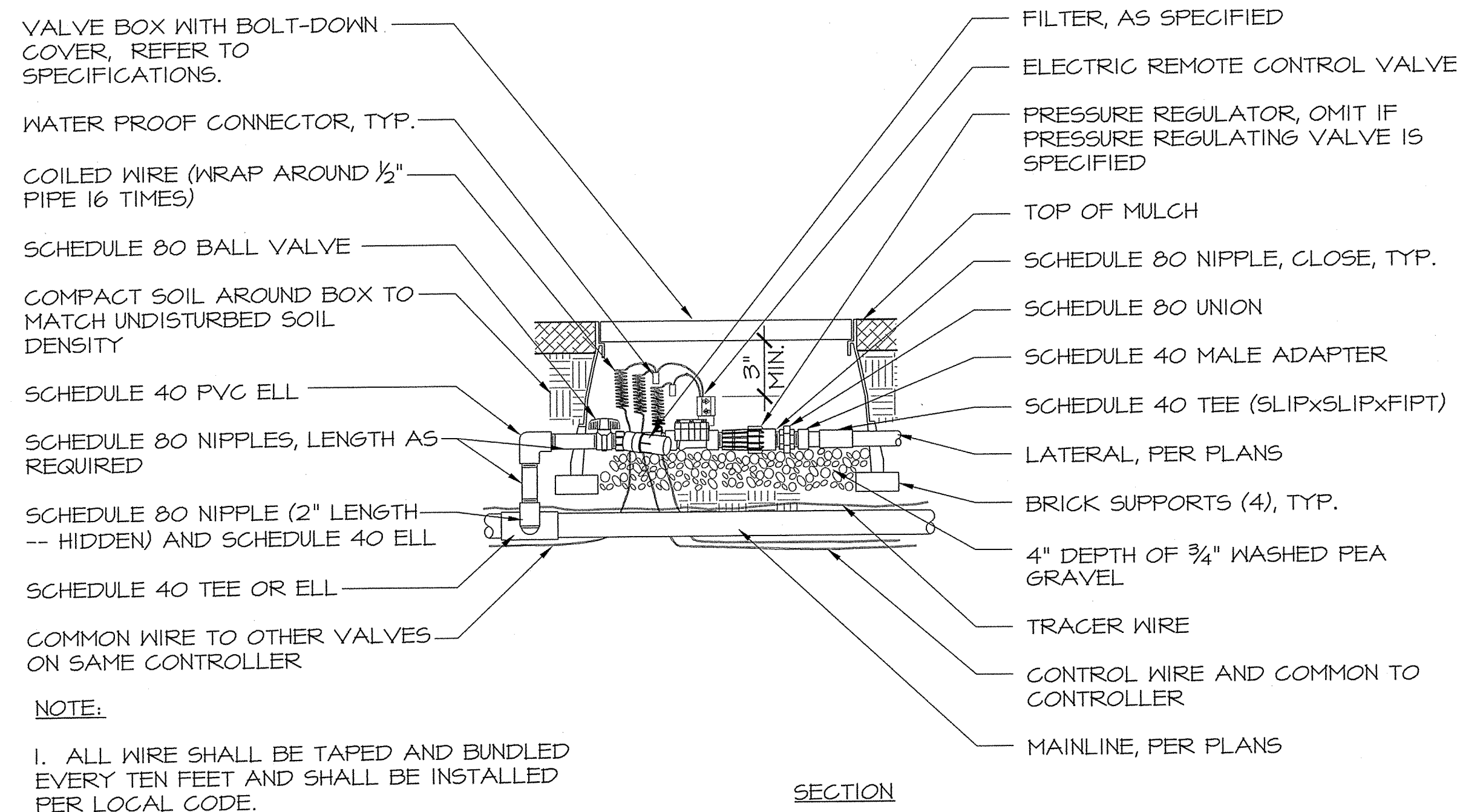




**NOTES:**

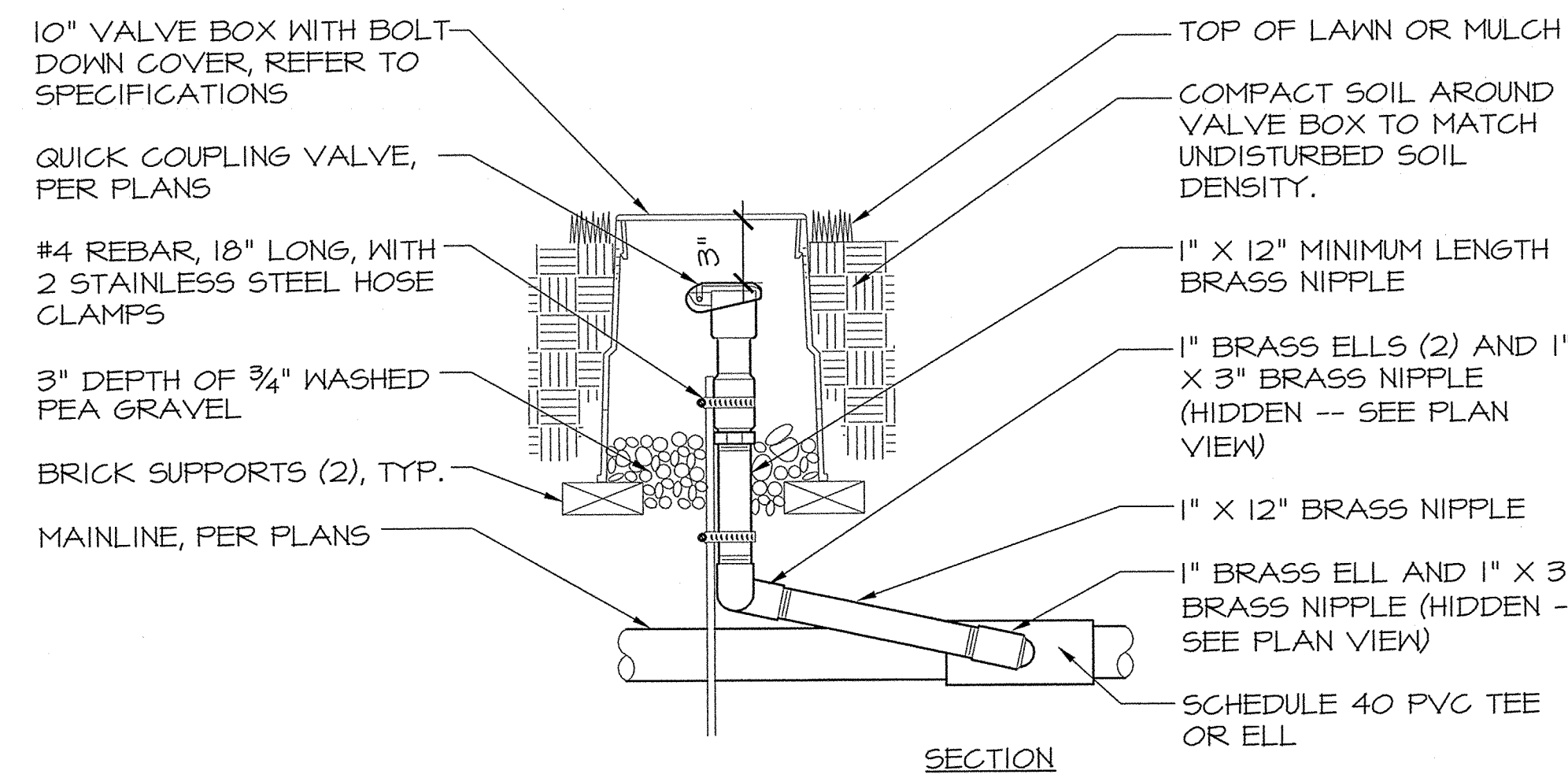
1. ALL TRENCH DEPTHS ARE MEASURED FROM TOP OF FINISH GRADE.
2. INSTALL PIPE WITHIN SLEEVES PER PLANS UNDER PAVING. UNLESS OTHERWISE SPECIFIED, SLEEVE SIZE SHALL BE A MINIMUM OF TWICE THE DIAMETER OF THE PIPE BEING SLEEVED. SLEEVES SHALL EXTEND 1' BEYOND THE EDGE OF PAVING OR BACK OF CURB NECESSITATING THE SLEEVE. INSTALL TRACER WIRE WITH ALL MAINLINES AND WHERE PIPES ARE INSTALLED UNDER PAVEMENT
3. ALL PIPE TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION SPECIFICATIONS.
4. INSTALL PIPE BEDDING UNDER PIPING, WHEN SPECIFIED.
5. TAPE AND BUNDLE ALL WIRING AT 10' INTERVALS. TIE A 24" LOOP IN ALL WIRING AT CHANGES IN DIRECTION OF 30 DEGREES OR GREATER. UNTIE ONCE CONNECTIONS HAVE BEEN MADE.
6. BACKFILL TRENCHES, AFTER SYSTEM HAS BEEN CHARGED TO TEST FOR LEAKS, WITH CLEAN BACKFILL TO A DENSITY TO MATCH ADJACENT UNDISTURBED SOIL PER SPECIFICATIONS.
7. ALL MAIN AND LATERAL IRRIGATION PIPES TO BE "PURPLE PIPE" WHERE RECYCLED WATER USE IS SPECIFIED.

**1 TRENCHING**



- NOTE:**
1. ALL WIRE SHALL BE TAPED AND BUNDLED EVERY TEN FEET AND SHALL BE INSTALLED PER LOCAL CODE.

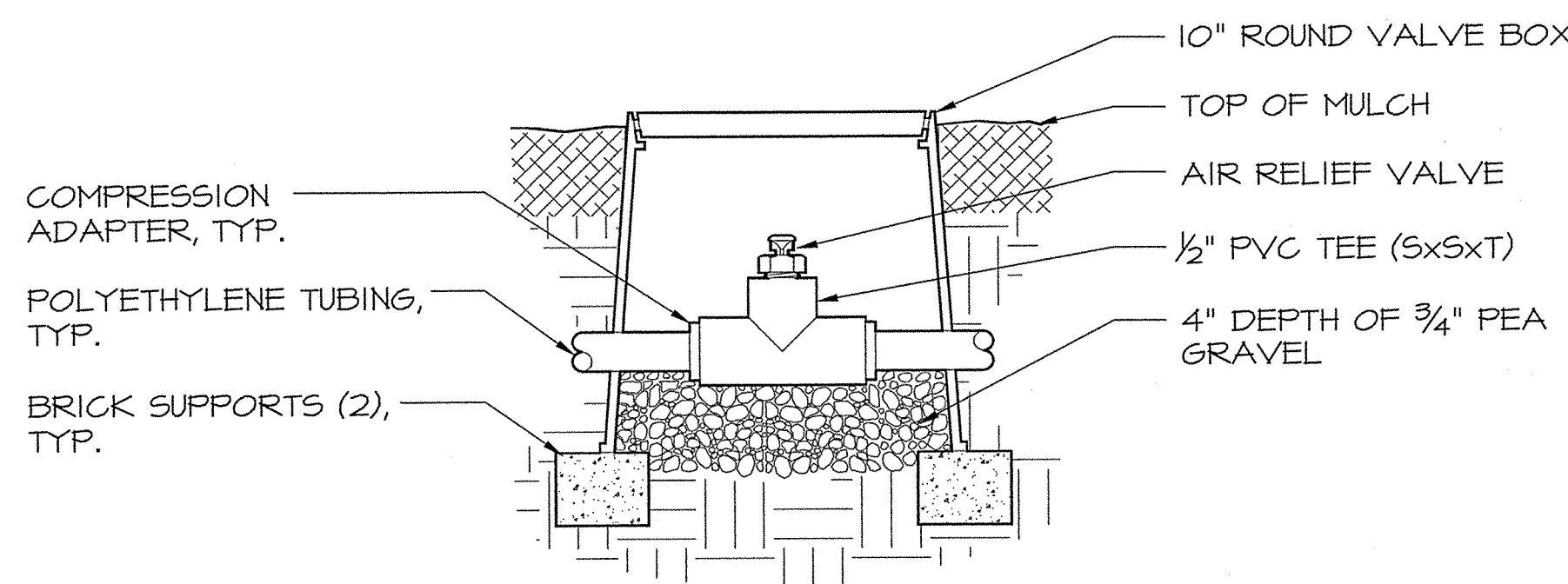
**4 REMOTE CONTROL VALVE, DRIP ZONE**



**NOTES:**

1. INSTALLATION OF TRIPLE SWING JOINTS SHALL BE AT AN ANGLE NO GREATER THAN 45 DEGREES TO HORIZONTAL.
2. ALL PRE-MANUFACTURED TRIPLE SWING JOINTS SHALL BE MANUFACTURED WITH "O" RINGS AND SHALL BE RATED AT 200 PSI.

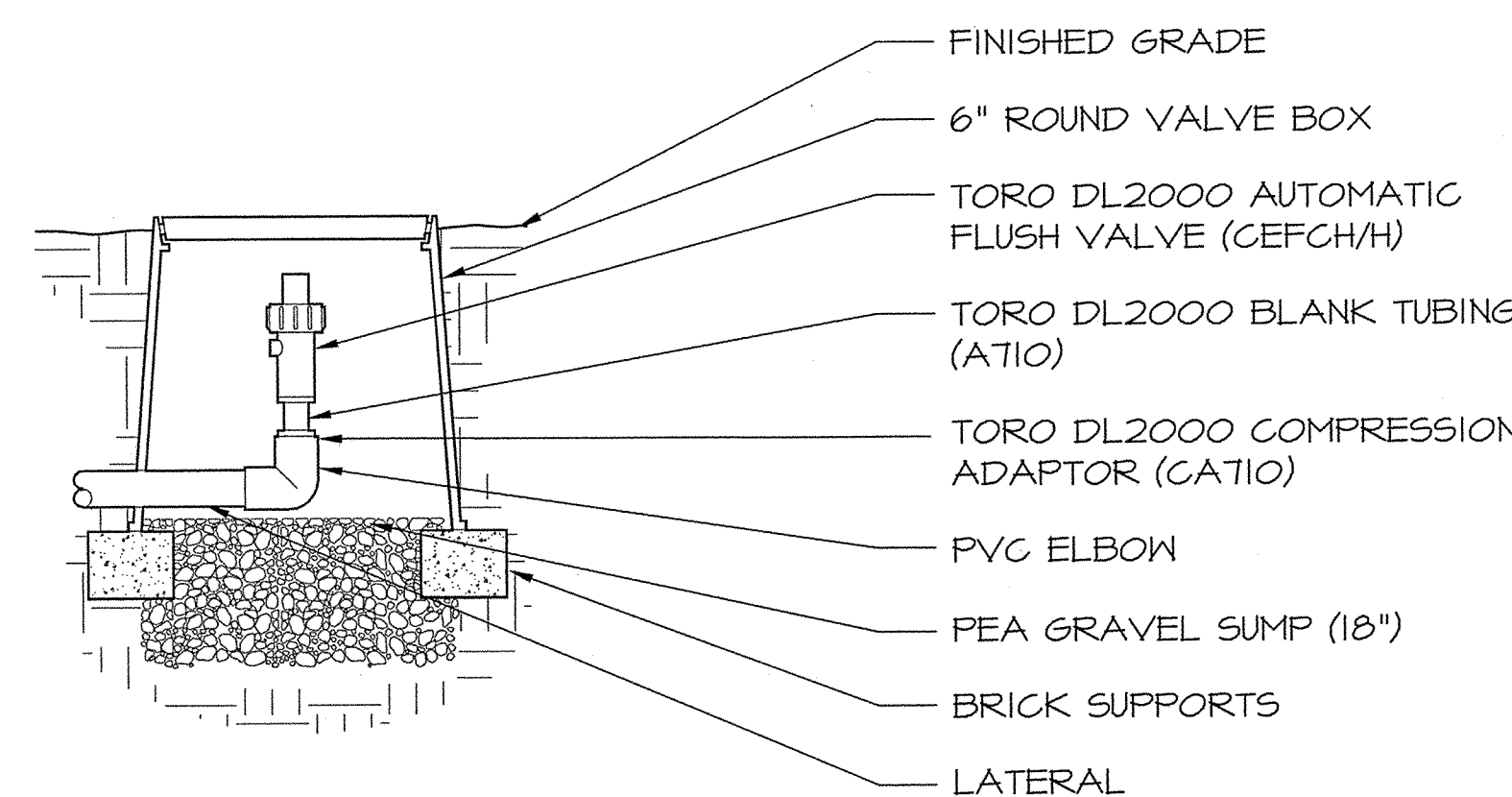
**2 QUICK COUPLER**



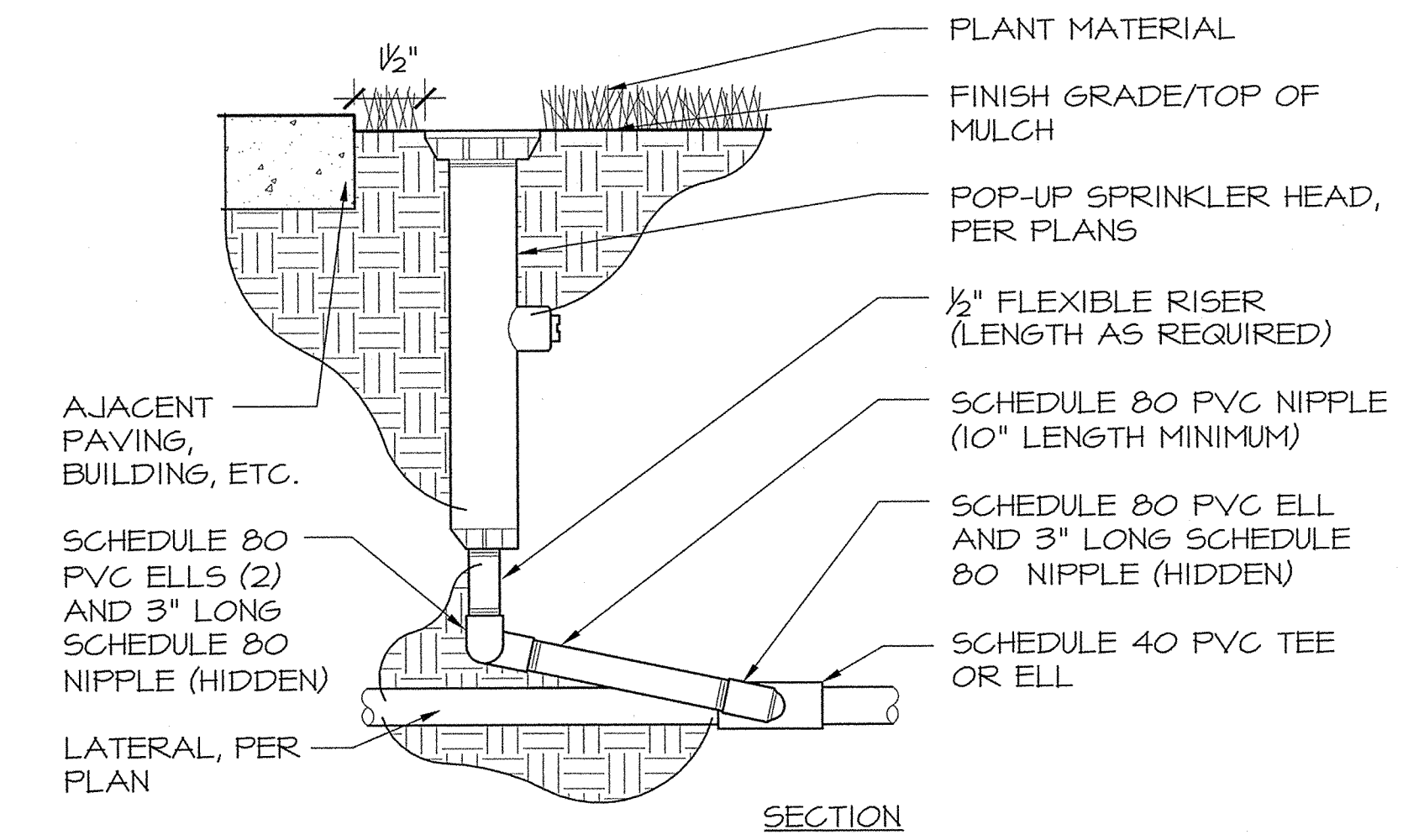
**NOTE:**

1. AIR RELIEF VALVE SHALL BE INSTALLED AT THE HIGHEST POINT OF THE SYSTEM ABOVE ALL DRIPLINE LATERALS

**5 AIR RELIEF VALVE**



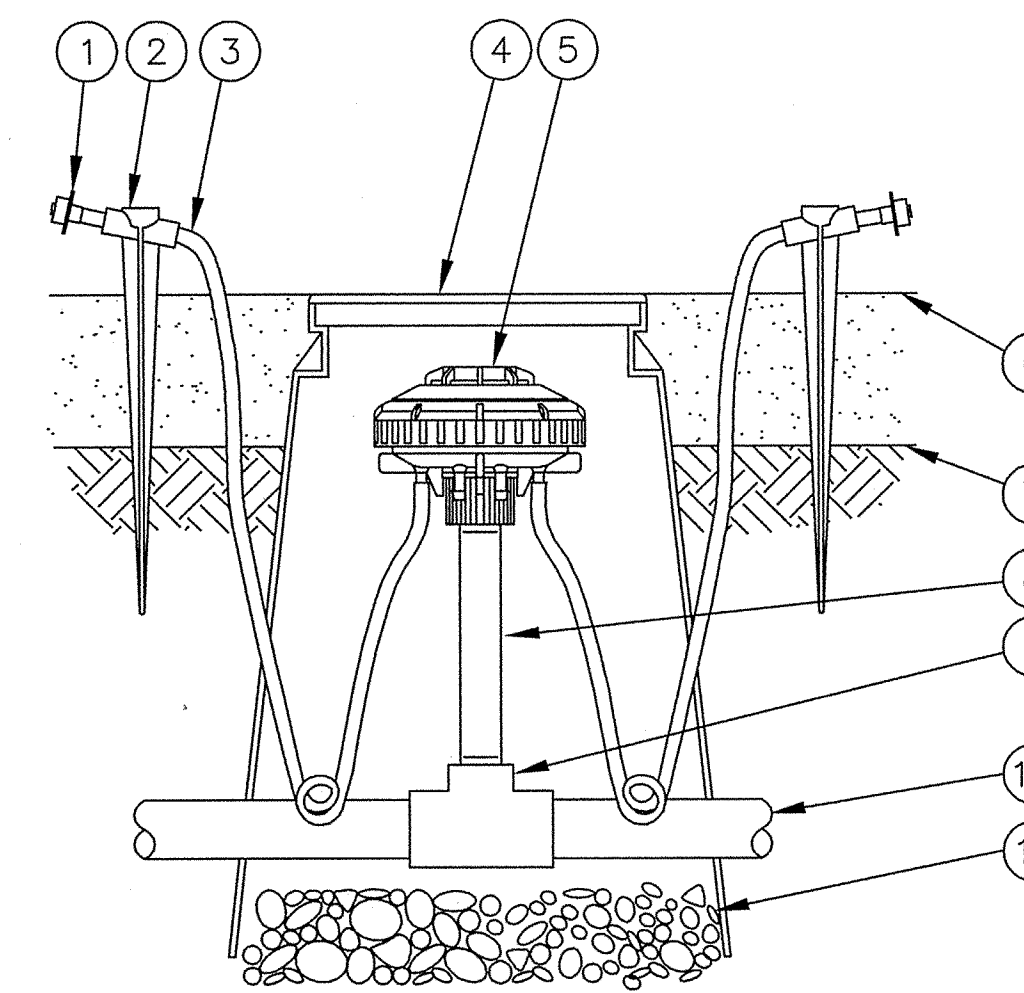
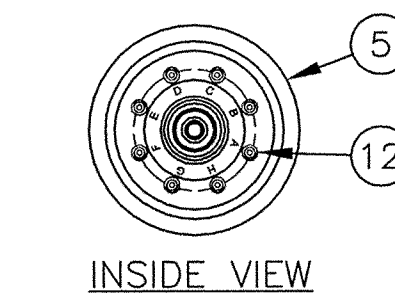
**6 FLUSH VALVE**



**NOTES:**

1. INSTALLATION OF TRIPLE SWING JOINTS SHALL BE AT AN ANGLE NO GREATER THAN 45 DEGREES TO HORIZONTAL.
2. ALL PRE-MANUFACTURED TRIPLE SWING JOINTS SHALL BE MANUFACTURED WITH "O" RINGS AND SHALL BE RATED AT 200 PSI.

**3 SPRAY HEAD**



- NOTE:**
1. COIL ADDITIONAL 9-INCHES OF TUBING IN EMITTER BOX TO FACILITATE MAINTENANCE.

**7 MULTI-OUTLET EMITTER**

- 1 DIFFUSER BUG CAP: RAIN BIRD DBC-025 (1 OF 2 SHOWN, & POSSIBLE)
- 2 UNIVERSAL 1/4" TUBING STAKE: RAIN BIRD TS-025 (1 OF 2 SHOWN, & POSSIBLE)
- 3 1/4" DISTRIBUTION TUBING: RAIN BIRD XQ TUBING (LENGTH AS REQUIRED) (1 OF 2 SHOWN, & POSSIBLE)
- 4 SUBTERRANEAN EMITTER BOX: RAIN BIRD SEB TXB
- 5 MULTI-OUTLET EMISSION DEVICE: RAIN BIRD XERI-BIRD XBD-81
- 6 TOP OF MULCH
- 7 FINISH GRADE
- 8 PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
- 9 PVC SCH 40 TEE OR ELL
- 10 PVC LATERAL PIPE
- 11 3" MINIMUM DEPTH OF 3/4" WASHED GRAVEL
- 12 XERI-BUG EMITTER, 1 GPH FLOW: RAIN BIRD XB-10PC (ONE OF 8 SHOWN, INCLUDED WITH XERI-BIRD XBD-81)

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**STOCK RANCH NATURE PRESERVE**  
CITY OF CITRUS HEIGHTS

LANDSCAPE ARCHITECT OF RECORD



**FOOTHILL ASSOCIATES**  
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