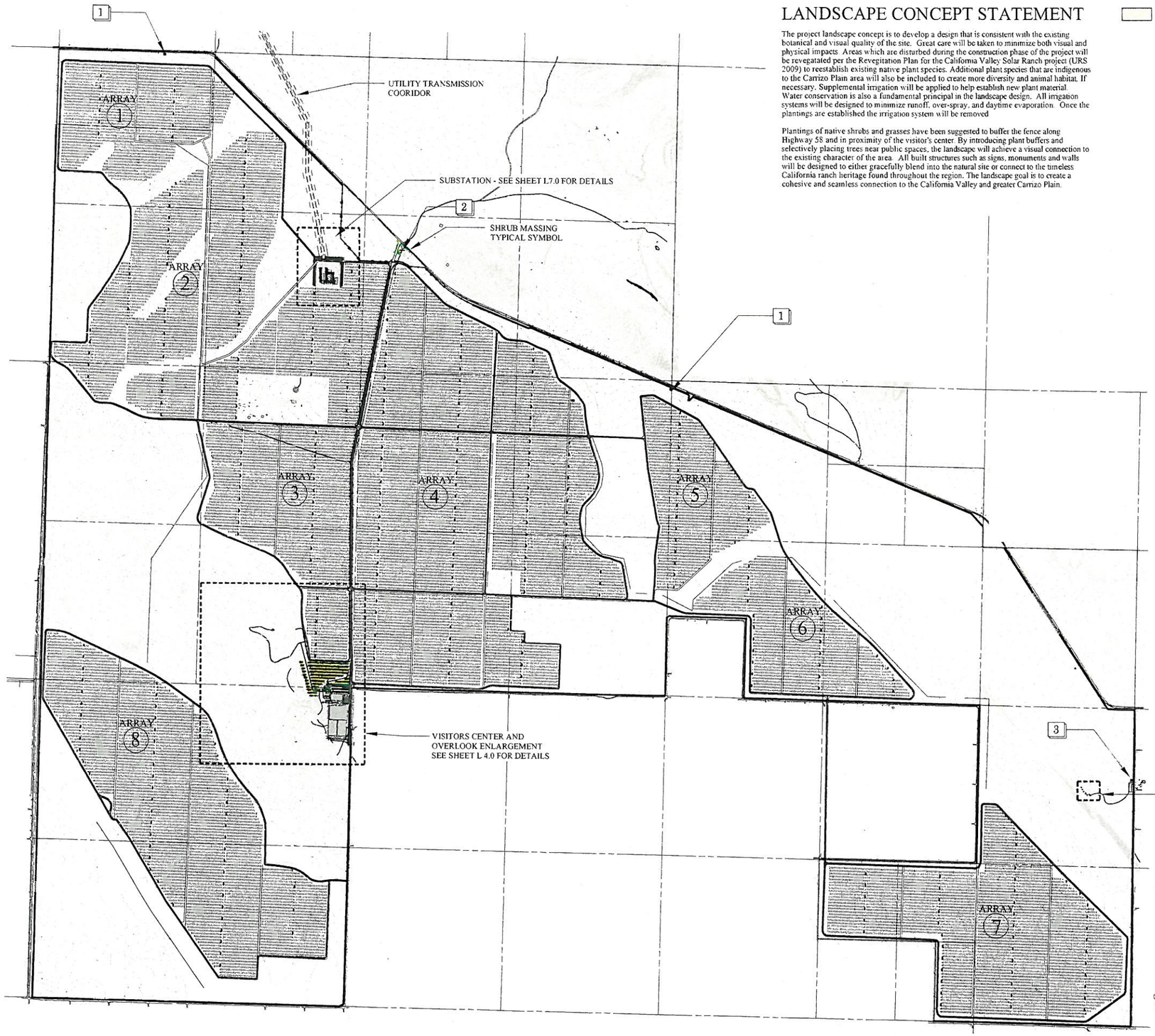


LANDSCAPE CONCEPT STATEMENT

The project landscape concept is to develop a design that is consistent with the existing botanical and visual quality of the site. Great care will be taken to minimize both visual and physical impacts. Areas which are disturbed during the construction phase of the project will be revegatated per the Revegitation Plan for the California Valley Solar Ranch project (URS 2009) to reestablish existing native plant species. Additional plant species that are indigenous to the Carrizo Plain area will also be included to create more diversity and animal habitat. If necessary. Supplemental irrigation will be applied to help establish new plant material. Water conservation is also a fundamental principal in the landscape design. All irrigation systems will be designed to minimize runoff, over-spray, and daytime evaporation. Once the plantings are established the irrigation system will be removed

Plantings of native shrubs and grasses have been suggested to buffer the fence along Highway 58 and in proximity of the visitor's center. By introducing plant buffers and selectively placing trees near public spaces, the landscape will achieve a visual connection to the existing character of the area. All built structures such as signs, monuments and walls will be designed to either gracefully blend into the natural site or connect to the timeless California ranch heritage found throughout the region. The landscape goal is to create a cohesive and seamless connection to the California Valley and greater Carrizo Plain.

PLANT LEGEND

BOTANICAL NAME	COMMON NAME
GRASSLAND (HYDROSEED)	
ACHNATHERUM SPECIOSUM	DESERT NEEDLEGRASS
HORDEUM DEPRESSUM	LOW BARLEY
NASSELA CERNUA	NODDING NEEDLEGRASS
NASSELA PULCHRA	PURPLE NEEDLEGRASS
POA SECUNDA SPP SECUNDA	ONE SIDED BLUEGRASS
VULPIA MICROSTACHYS V PAUCIFLORA	FEW FLOWERED FESCUE
WILDFLOWERS	
ACHILLEA MILLEFOLIUM	YARROW
ACHYRACHAENA MOLLIS	BLOW WIVES
HELIANTHUS ANNUUS	SUNFLOWER
AREA OF ALKALI SOIL (HYDROSEED)	
DISTICHLIS SPICATA	SALTGRASS
FRANKENIA SALINA	ALKALI HEATH
WILDFLOWERS	
LASTHENIA CALIFORNICA	GOLDENFIELDS
LASTHENIA DEBILIS	GOLDENFIELDS
LASTHENIA FERRISIAE	GOLDENFIELDS
LAYIA GLANDULOSA	TIDY TIPS
LAYIA PLATYGLOSSA	TIDY TIPS
EDGE CONDITION / DEVELOPED AREA (HYDROSEED / LINERS / 1 GALLON / 5 GALLON)	
AGOSERIS RETRORSA	
AMBROSIA ACANTHICARPA	ANNUAL BUR SAGE
ARTEMISIA CALIFORNICA	CALIFORNIA SAGEBRUSH
ARTEMISIA DOUGLASIANA	MUGWORT
ASTER LATERIFLORUS	PURPLE ASTER
BACCHARIS SALICIFOLIA	MULE FAT
BLEPHARIZONIA PLUMOSA	BIG TARWEED
CHAENACTIS FREMONTII	DESERT PINCHUSION
CHAENACTIS GLABRIUSCULA	YELLOW PINCHUSION
CHRYSOTHAMNUS NAUSEOSUS SPP MOHAVAVENSIS	RUBBER RABBITBUSH
CONYZA COULTERI	HORSEWEED
COREOPSIS BIGELOVII	TICKSEED
COREOPSIS CALLIOPSIDEA	TICKSEED
EASTWOODIA ELEGANS	YELLOW MOCK ASTER
ERICAMERIA CUNEATA	WEDGE-LEAFED GOLDENBUSH
ERICAMERIA LINEARIFOLIA	GOLDEN BUSH
ERIGERON FOLIOSUS	
ERIOPHYLLUM CONFERTIFOLIUM	GOLDEN YARROW
ERIOPHYLLUM PRINGLEI	WHOOLY SUNFLOWER
GUTIERREZIA CALIFORNICA	CALIFORNIA MATCHWEED
HEMIZONIA FITCHII	TARPLANT
HEMIZONIA PENTACTIS	SALINAS RIVER TARPLANT
HEMIZONIA PUNGENS	COMMON SPIKEWEED
HYMENOCLEA SALSOLA	BURROBUSH
ISOCOMA ACRADENIA V BRACTEOSA	ALKALI GOLDEN BUSH
LAGOPHYLLA RAMOSISSIMA	COMMON HARLEAF
LEPIDOSPARTUM SQUAMATUM	SCALE BROOM
LESSINGIA FILAGINFOLIA	CALIFORNIA ASTER
LESSINGIA GLANDULIFERA	
MADIA ELEGANS	MADIA
MALACOTHRIX CALIFORNICA	WILD MARIGOLD
MALACOTHRIX COULTERI	SNAKES HEAD
MALACOTHRIX GLABRATA	DESERT DANDELION
MICROSERIS DOUGLASII	
MICROSERIS ELEGANS	
MONOLOPIA LANCEOLATA	HILLSIDE DAISEY
STEPHANOMERIA EXIGUA SPP CORONARIA	SMALL WIRE LETTUCE
TREES (5 GALLON / 15 GALLON)	
CHILOPSIS LINEARIS	DESERT WILLOW
PINUS SABINIANA	GREY PINE
JUNIPERUS CALIFORNICA	CALIFORNIA JUNIPER

NOTES:

1. ALL PLANTING AND IRRIGATION SHALL BE INSTALLED TO MEET COUNTY OF SAN LUIS OBISPO STANDARDS AND REQUIREMENTS

2. THE IRRIGATION SYSTEM SHALL BE DESIGNED AND CONSTRUCTED TO BE A LOW VOLUME AND HIGH EFFICIENCY SYSTEM. TIMETABLES WILL BE ESTABLISHED TO AVOID IRRIGATING DURING TIMES OF HIGH TEMPERATURES OR HIGH WINDS. ONCE THE PLANTINGS ARE ESTABLISHED THE IRRIGATION SYSTEMS WILL BE REMOVED.

3. ALL INVASIVE VEGETATION WILL BE REMOVED AROUND EXISTING ABANDONED RANCH STRUCTURE

4. REFER TO ENGINEERING PLANS FOR EROSION CONTROL MEASURES

SIGNAGE LEGEND

1. MILE MARKER TO ENTRY
   SEE DETAIL E SHEET L2.3
   10 SQUARE FEET OF SIGN AREA
2. MAIN PROJECT ENTRY
   SEE DETAIL A & B SHEET L2.2
   50 SQUARE FEET OF SIGN AREA
3. SUNRISE OVERLOOK SIGN
   SEE DETAIL D SHEET L2.3
   20 SQUARE FEET OF SIGN AREA

CALIFORNIA VALLEY SOLAR RANCH

SJJA landscape architecture land planning

CALIFORNIA VALLEY
SOLAR RANCH
SAN LUIS OBISPO COUNTY, CA.

LANDSCAPE
SITE PLAN

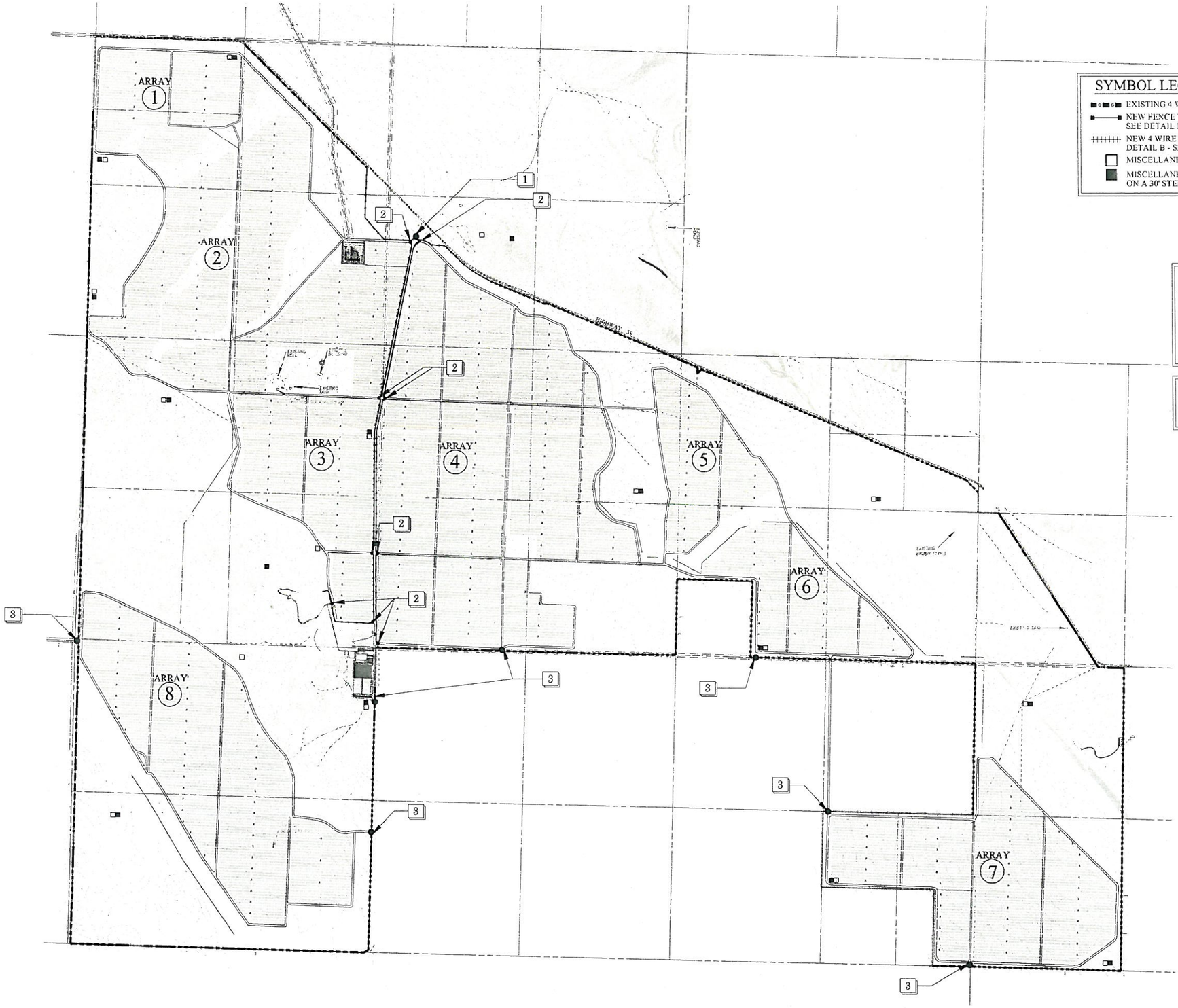
REVISIONS:

REV	DATE	DESCRIPTION
1	05/06/09	PROJECT UPDATE

SCALE	1" = 800'
DATE DRAWN	04/21/09
DRAWN BY	RJ

0 ½" 1"
IF BAR IS NOT ONE INCH, DRAWING IS NOT TO SCALE

SHEET
L 1.0
30 OF 61



SYMBOL LEGEND

- EXISTING 4 WIRE BOUNDARY FENCE
- NEW FENCE WITH CORTEN STEEL POST SEE DETAIL D - SHEET L2.1
- NEW 4 WIRE SECURITY FENCE - SEE DETAIL B - SHEET L2.1
- MISCELLANEOUS EQUIPMENT
- MISCELLANEOUS EQUIPMENT MOUNTED ON A 30' STEEL POLE

LEGEND

1. PRIMARY ENTRY GATE SEE DETAIL A SHEET L2.3
2. CORTEN STEEL INTERIOR GATE SEE DETAIL C SHEET L2.1
3. SECONDARY ENTRY GATE SEE DETAIL A SHEET L2.1

NOTES

EXISTING BOUNDARY FENCE TO BE SAVED AND REPAIRED AS NEEDED

0 400' 800' 1600'

IF BAR IS NOT TWO INCHES, DRAWING IS NOT TO SCALE

N

CALIFORNIA VALLEY SOLAR RANCH

SJA landscape architecture land planning

CALIFORNIA VALLEY
SOLAR RANCH
SAN LUIS OBISPO COUNTY, CA.

FENCING PLAN

REVISIONS:

REV	DATE	DESCRIPTION
1	05/04/09	PROJECT UPDATE

SCALE	1"=800'
DATE DRAWN	04/21/09
DRAWN BY	RJ

0 ½" 1"

IF BAR IS NOT ONE INCH, DRAWING IS NOT TO SCALE

SHEET

L 2.0

31 OF 61

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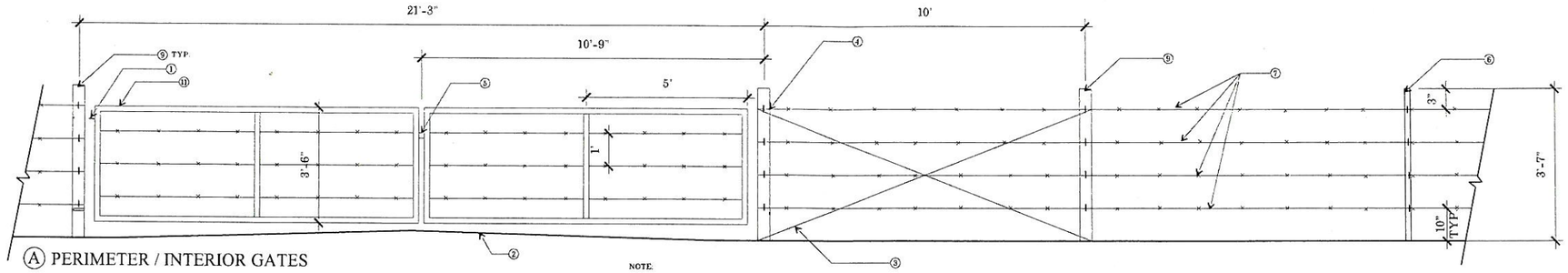


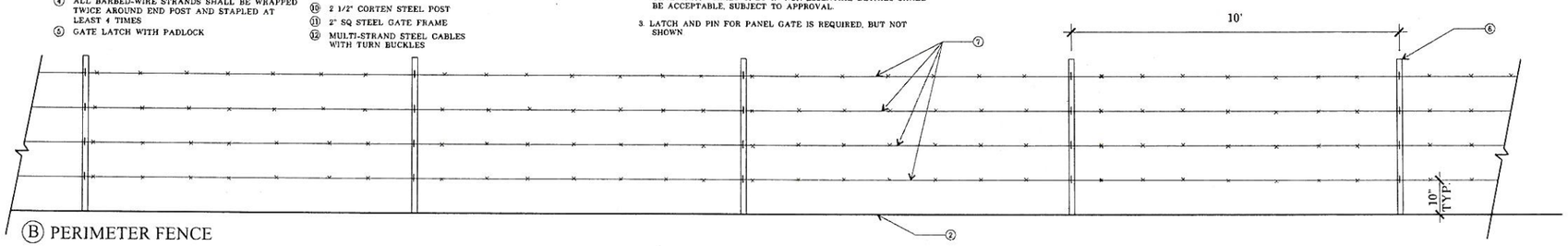
Ⓐ PERIMETER / INTERIOR GATES

LEGEND

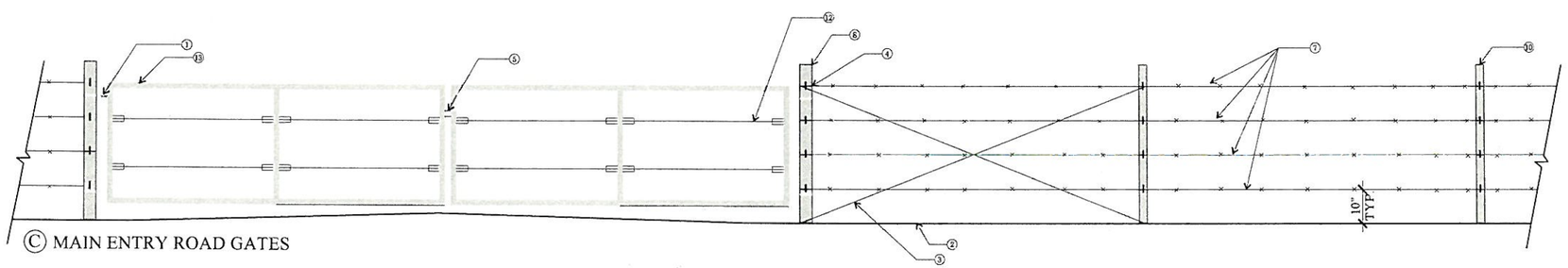
① STANDARD HINGE (TYP)
② FINISH GRADE / ROAD SURFACE
③ LOOP OF 9-GAGE WIRE TWISTED TO TIGHTEN
④ ALL BARBED-WIRE STRANDS SHALL BE WRAPPED TWICE AROUND END POST AND STAPLED AT LEAST 4 TIMES
⑤ GATE LATCH WITH PADLOCK
⑥ STEEL PICKET
⑦ BARBED WIRE
⑧ 4" SQ CORTEN STEEL POST
⑨ 4" SQ STEEL POST
⑩ 2 1/2" CORTEN STEEL POST
⑪ 2" SQ STEEL GATE FRAME
⑫ MULTI-STRAND STEEL CABLES WITH TURN BUCKLES
⑬ 2" SQ CORTEN STEEL FRAME

NOTE:

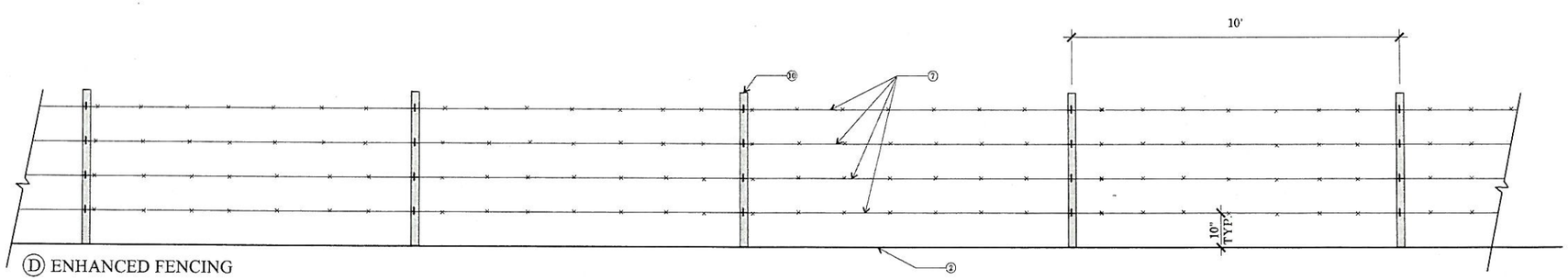
1. THE SPACING OF END OR CORNER PANEL AND BRACE PANEL OF 10' AND 9' IS MAXIMUM. WHEN CORNER OR END PANEL CONFLICTS WITH GATE OR CATTLE GUARD BRACE PANELS, OR TWO CORNER PANELS CONFLICT, BRACING AND SPACING OF POSTS SHALL BE ALTERED TO PROVIDE ADEQUATE BRACING AS REQUIRED
2. THE GATE SHOWN IS TYPICAL. ANY STANDARD COMMERCIAL GATE THAT VARIES ONLY IN NON-ESSENTIAL DETAILS SHALL BE ACCEPTABLE, SUBJECT TO APPROVAL.
3. LATCH AND PIN FOR PANEL GATE IS REQUIRED, BUT NOT SHOWN
4. DETAIL IS FOR DESIGN INTENT ONLY - REFER TO FENCING & SECURITY CONTRACTOR FOR DETAILS AND SPECIFICATIONS



Ⓑ PERIMETER FENCE



Ⓒ MAIN ENTRY ROAD GATES



Ⓓ ENHANCED FENCING

CALIFORNIA VALLEY SOLAR RANCH

SJA landscape architecture land planning

CALIFORNIA VALLEY
SOLAR RANCH
SAN LUIS OBISPO COUNTY, CA.

FENCE & GATE DETAILS

REVISIONS:

REV	DATE	DESCRIPTION
1	05/04/09	PROJECT UPDATE

SCALE	
DATE DRAWN	04/21/09
DRAWN BY	RJ

0 ½" 1"
IF BAR IS NOT ONE INCH, DRAWING IS NOT TO SCALE

SHEET
L 2.1
32 OF 61

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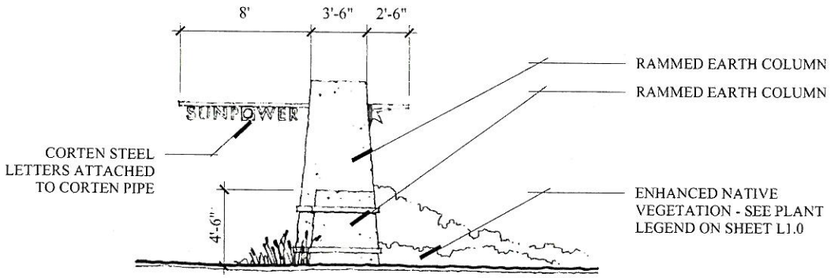
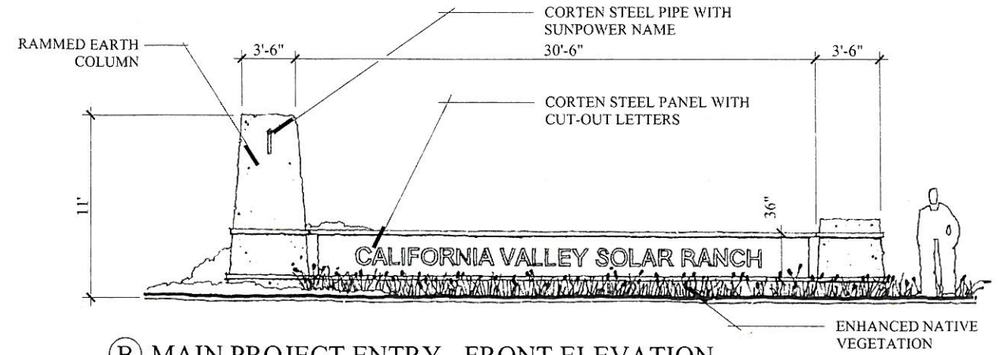
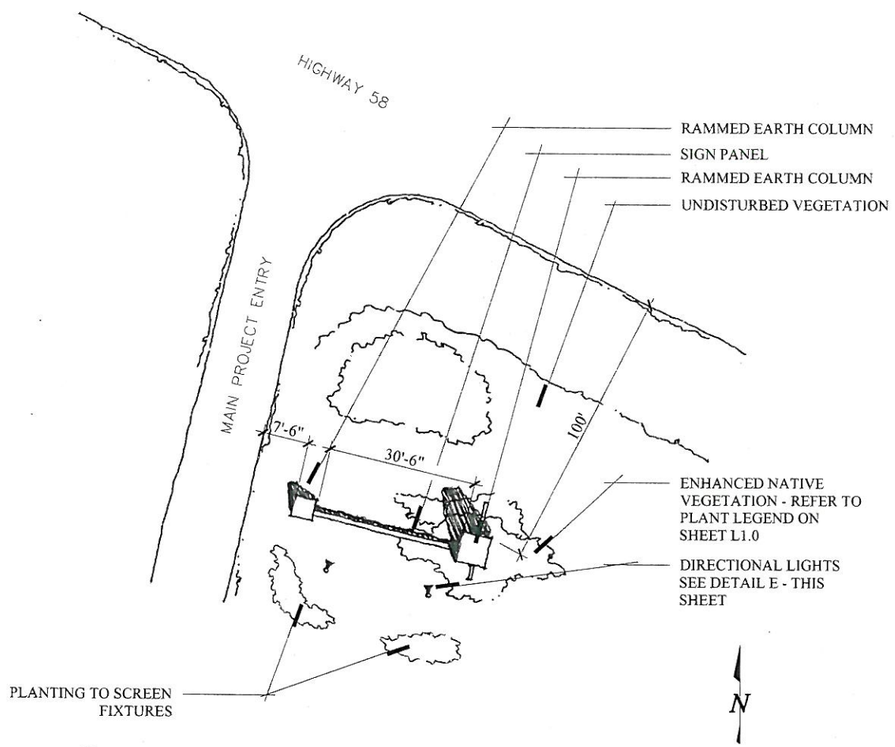


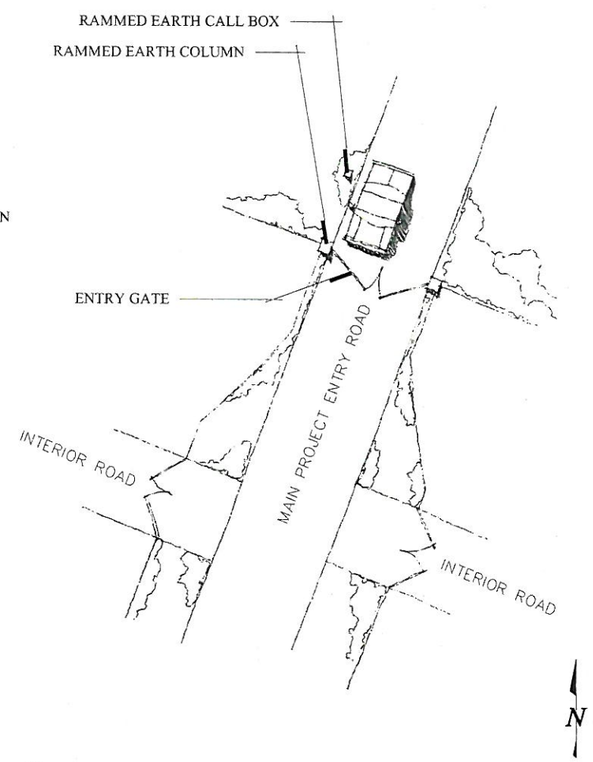
Ⓐ MAIN PROJECT ENTRY - SIDE ELEVATION



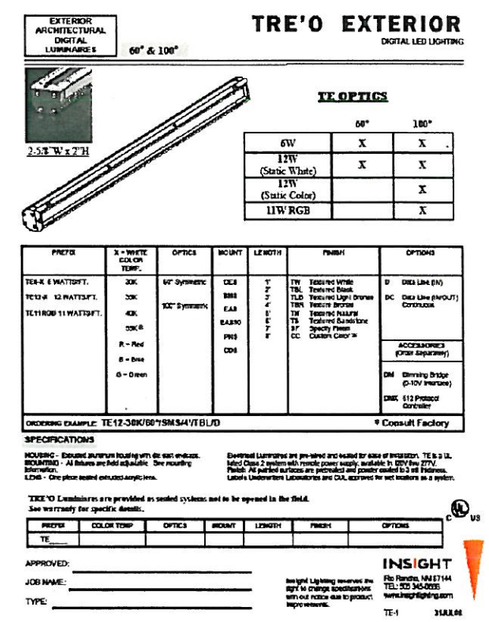
Ⓑ MAIN PROJECT ENTRY - FRONT ELEVATION



Ⓒ MAIN PROJECT ENTRY MONUMENT - PLAN



Ⓓ MAIN ENTRY GATE - PLAN



Ⓔ ENTRY MONUMENT BACKLIGHT

CALIFORNIA VALLEY SOLAR RANCH

SJJA

CALIFORNIA VALLEY SOLAR RANCH
SAN LUIS OBISPO COUNTY, CA.

SIGNAGE DETAILS I

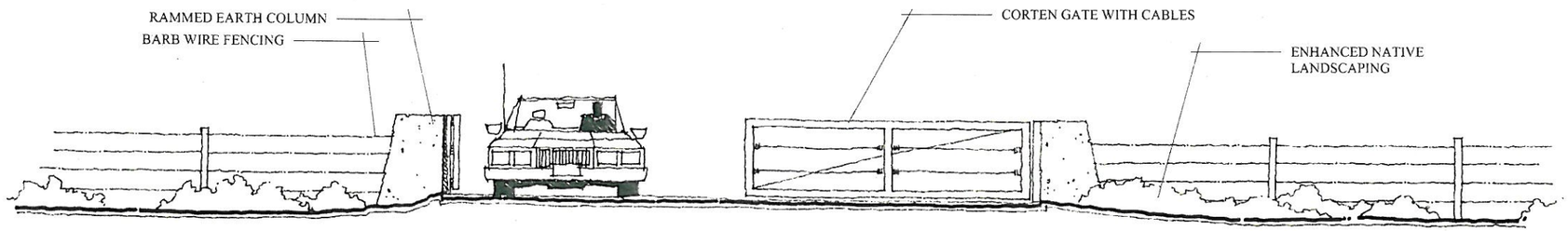
REVISIONS:

REV	DATE	DESCRIPTION
1	05/04/09	PROJECT UPDATE

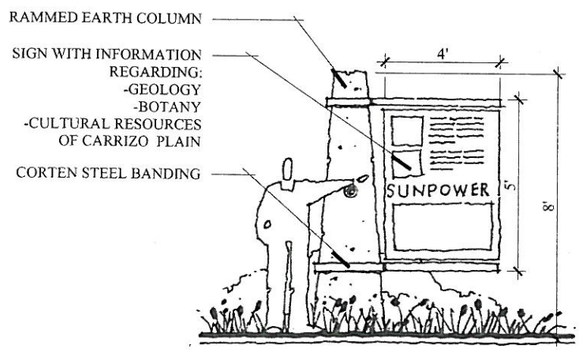
SCALE
DATE DRAWN 04/21/09
DRAWN BY RJ

0 ½" 1"
IF BAR IS NOT ONE INCH, DRAWING IS NOT TO SCALE

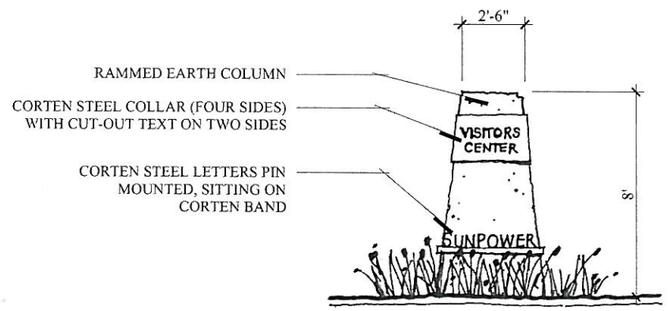
SHEET
L 2.2
33 OF 61



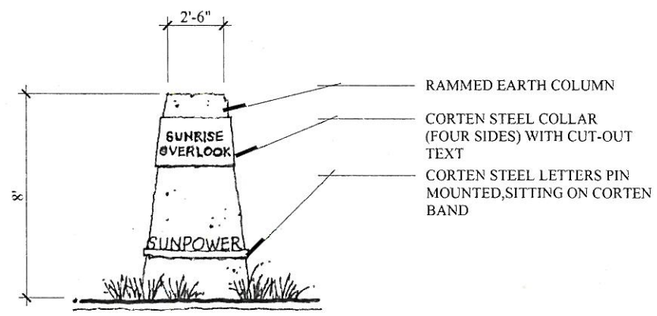
Ⓐ MAIN ENTRY GATE - ELEVATION



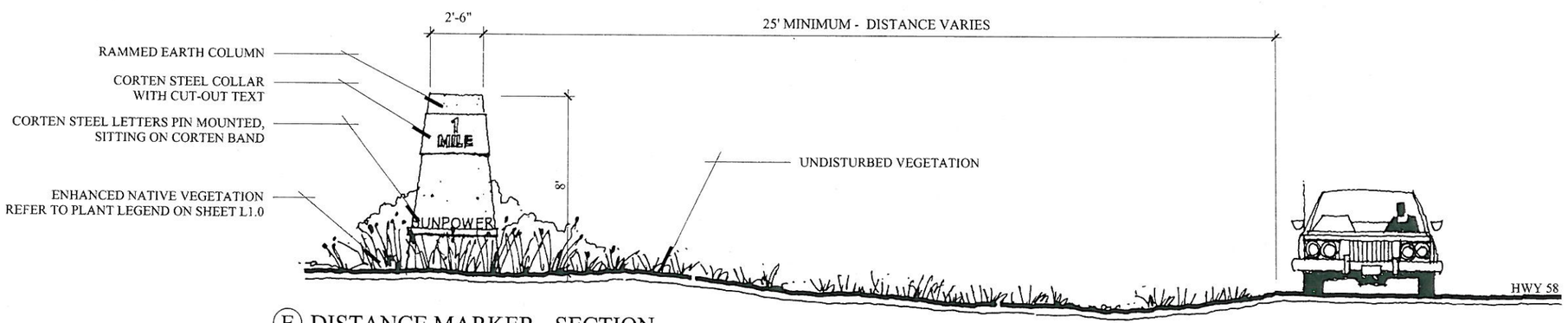
Ⓑ INTERPRETIVE SIGN



Ⓒ VISITORS CENTER SIGN



Ⓓ SUNRISE OVERLOOK SIGN



Ⓔ DISTANCE MARKER - SECTION

CALIFORNIA VALLEY SOLAR RANCH

SJA landscape architecture land planning

CALIFORNIA VALLEY SOLAR
SAN LUIS OBISPO COUNTY, CA.

SIGNAGE DETAILS II

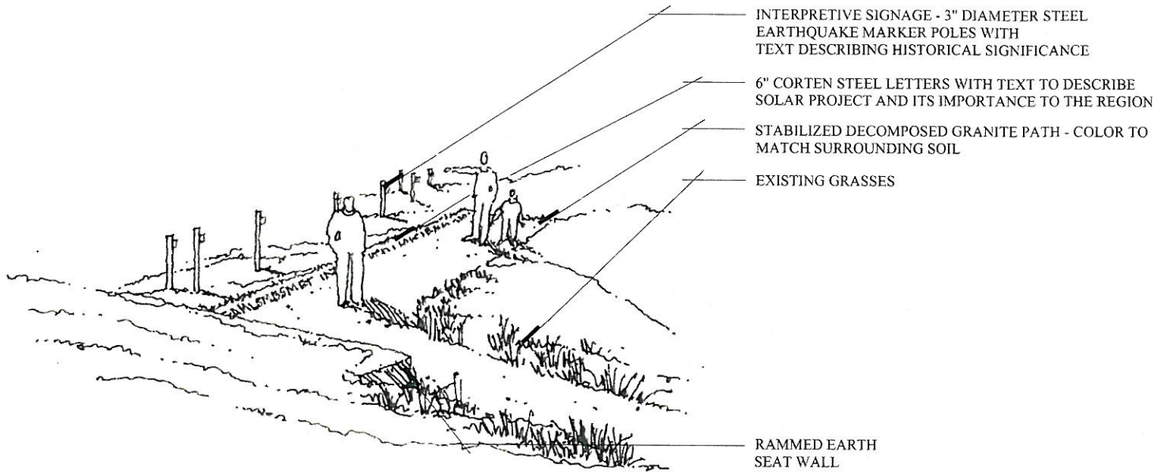
REVISIONS:

REV	DATE	DESCRIPTION
1	05/04/09	PROJECT UPDATE

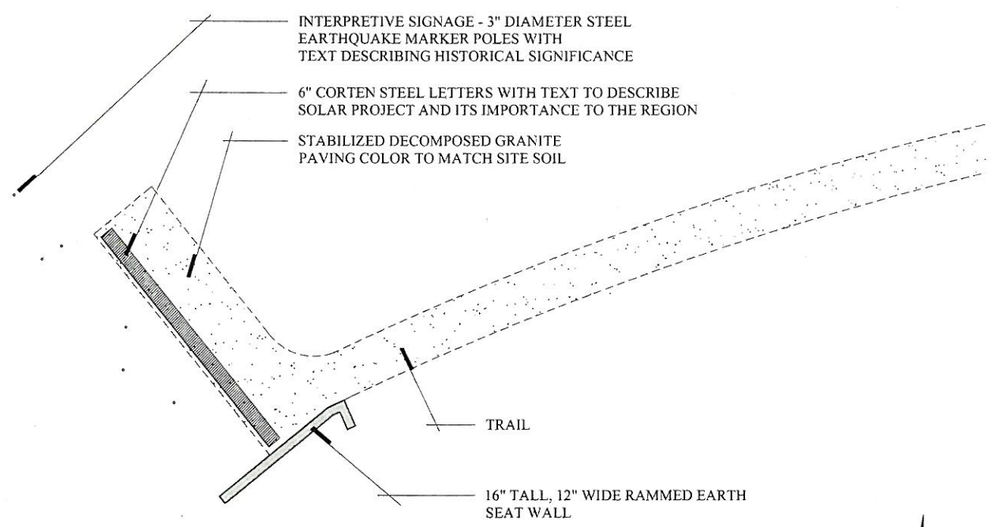
SCALE	
DATE DRAWN	04/21/09
DRAWN BY	RJ

0 ½" 1"
IF BAR IS NOT ONE INCH, DRAWING IS NOT TO SCALE

SHEET
L 2.3
34 OF 61



Ⓐ SUNRISE OVERLOOK SKETCH



Ⓑ SUNRISE OVERLOOK - PLAN VIEW

N

CALIFORNIA VALLEY SOLAR RANCH

SJA landscape architecture land planning

CALIFORNIA VALLEY SOLAR RANCH
SAN LUIS OBISPO COUNTY, CA.

HWY 58 & SUNRISE OVERLOOK DETAILS

REVISIONS:

REV	DATE	DESCRIPTION
1	05/04/09	PROJECT UPDATE

SCALE	
DATE DRAWN	04/21/09
DRAWN BY	RJ

0 ½" 1"
IF BAR IS NOT ONE INCH, DRAWING IS NOT TO SCALE

SHEET
L 3.0
35 OF 61

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NOTES

1 ALL PLANTING AND IRRIGATION SHALL BE INSTALLED TO MEET COUNTY OF SAN LUIS OBISPO STANDARDS AND REQUIREMENTS

2 REFER TO SHEET L5 0 FOR PLANTING OF ALL RE-VEGETATED AREAS

3 REFER TO SHEET L1 0 FOR PLANTING LEGEND

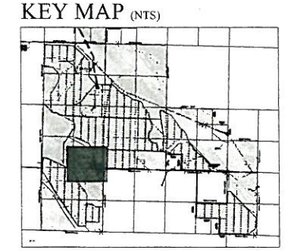
LEGEND

●●●● ADA ACCESABLE PATH OF TRAVEL

SIGN LEGEND

1. ADA PARKING -REFER TO ADA GUIDELINES FOR SIZE AND PLACEMENT
2. VISITORS CENTER IDENTIFICATION SEE DETAIL C SHEET L2 3
3. INTERPRETIVE / INFORMATIONAL SIGN SEE DETAIL B SHEET L2 3

KEY MAP (NTS)



0 75' 150' 300'

IF BAR IS NOT TWO INCHES, DRAWING IS NOT TO SCALE

N

CALIFORNIA VALLEY SOLAR RANCH

SJA landscape architecture land planning

CALIFORNIA VALLEY
SOLAR RANCH
SAN LUIS OBISPO COUNTY, CA.

VISITOR CENTER & OVERLOOK
LANDSCAPE PLAN

REVISIONS:

REV	DATE	DESCRIPTION
1	05/04/09	PROJECT UPDATE

SCALE	1" = 150'
DATE DRAWN	04/21/09
DRAWN BY	RJ

0 ½" 1"

IF BAR IS NOT ONE INCH, DRAWING IS NOT TO SCALE

SHEET

L 4.0

36 OF 61

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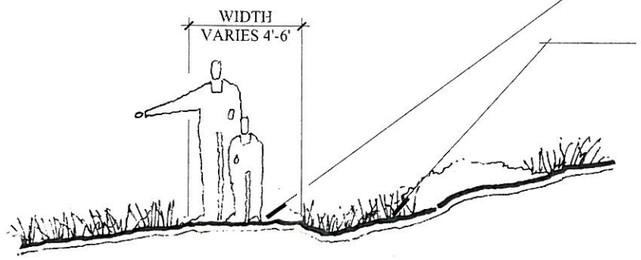
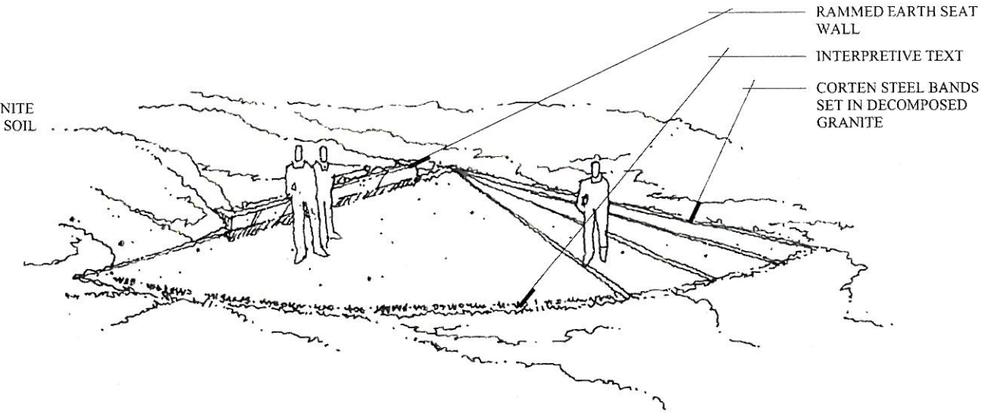
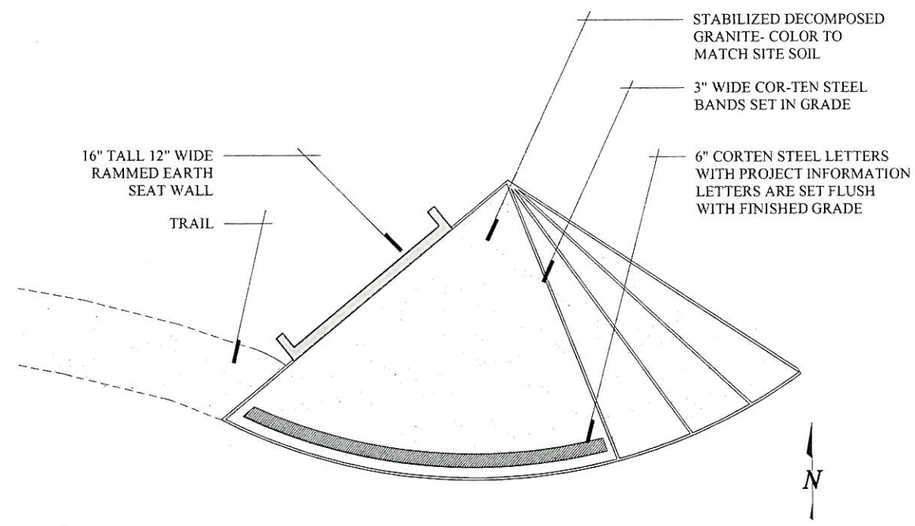


Ⓐ TRAIL SECTION



Ⓑ SUNSET OVERLOOK SKETCH



Ⓒ SUNSET OVERLOOK - PLAN VIEW

CALIFORNIA VALLEY SOLAR RANCH

SJA landscape architecture land planning

CALIFORNIA VALLEY SOLAR RANCH
SAN LUIS OBISPO COUNTY, CA.

VISITOR CENTER & OVERLOOK LANDSCAPE DETAILS I

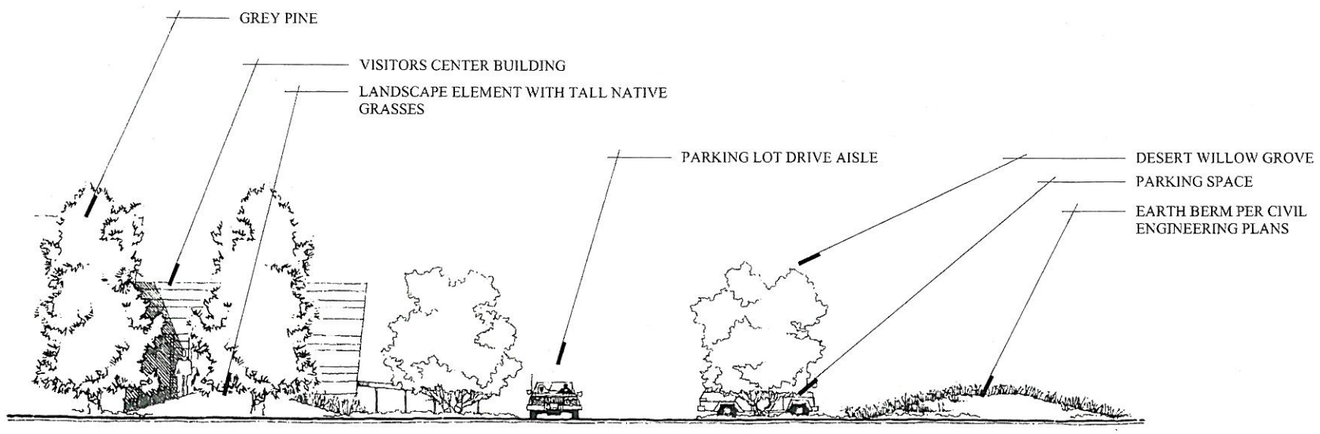
REVISIONS:

REV	DATE	DESCRIPTION
1	05/04/09	PROJECT UPDATE

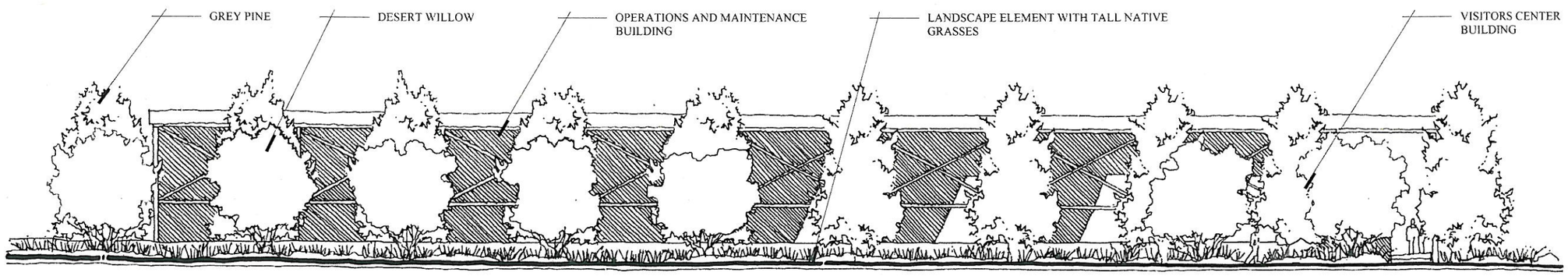
SCALE	
DATE DRAWN	04/21/09
DRAWN BY	RJ

0 ½" 1"
IF BAR IS NOT ONE INCH, DRAWING IS NOT TO SCALE

SHEET
L 4.1
37 OF 61



Ⓐ ELEVATION FACING VISITORS CENTER AND PARKING AREA (EAST ELEVATION)



Ⓑ ELEVATION FACING OPERATIONS AND MAINTENANCE BUILDING FROM PARKING LOT (NORTH ELEVATION)

CALIFORNIA VALLEY SOLAR RANCH

SJA landscape architecture land planning

CALIFORNIA VALLEY
SOLAR RANCH
SAN LUIS OBISPO COUNTY, CA.

VISITOR CENTER & OVERLOOK
LANDSCAPE DETAILS II

REVISIONS:

REV	DATE	DESCRIPTION
1	05/04/09	PROJECT UPDATE

SCALE	
DATE DRAWN	04/21/09
DRAWN BY	RJ

0 ½" 1"
IF BAR IS NOT ONE INCH, DRAWING IS NOT TO SCALE

SHEET
L 4.2
38 OF 61

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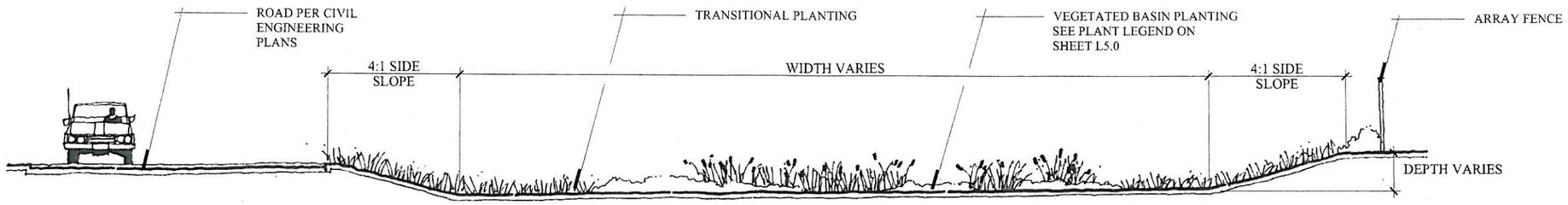
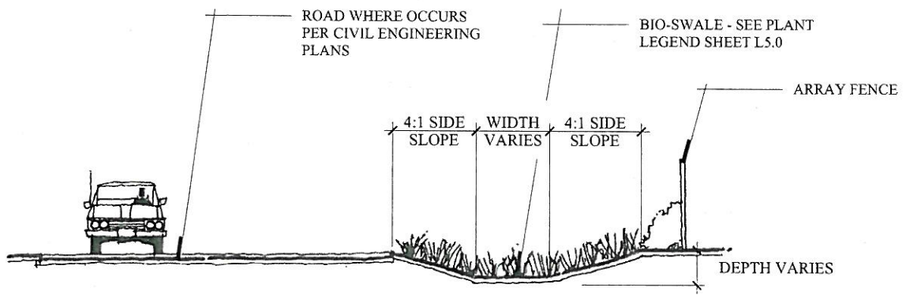
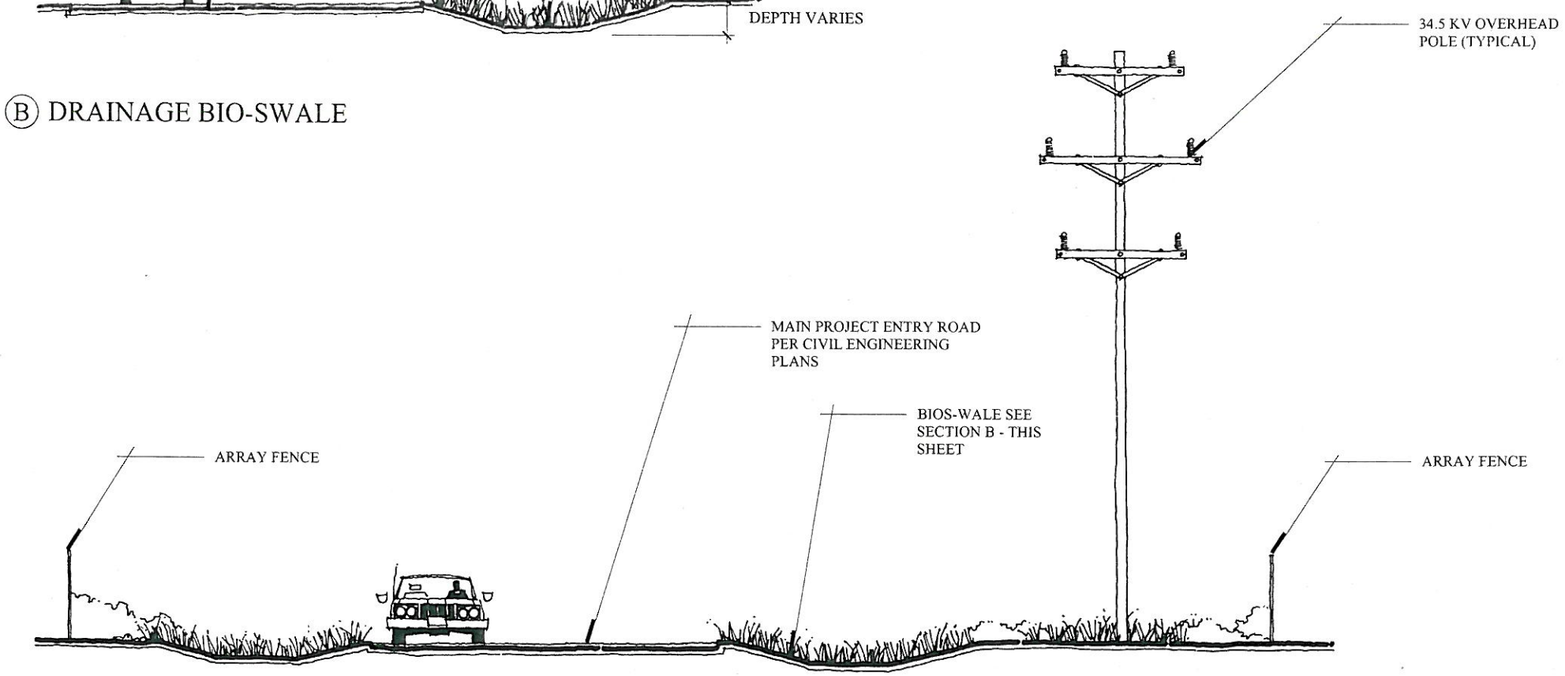


(A) DETENTION BASIN ADJACENT TO ROAD - SEE SHEET C4.8 FOR LOCATIONS



(B) DRAINAGE BIO-SWALE



(C) DRAINAGE BIO-SWALE AT MAIN PROJECT ENTRY ROAD

CALIFORNIA VALLEY SOLAR RANCH

SJA

CALIFORNIA VALLEY SOLAR RANCH
SAN LUIS OBISPO COUNTY, CA.

DRAINAGE PLANTING DETAILS

REVISIONS:

REV	DATE	DESCRIPTION
1	05/04/09	PROJECT UPDATE

SCALE	
DATE DRAWN	04/21/09
DRAWN BY	RJ

0 ½" 1"
IF BAR IS NOT ONE INCH, DRAWING IS NOT TO SCALE

SHEET
L 5.1
40 OF 61

HABITATS

Representative Species

Achnatherum speciosum -Desert Needlegrass

Hordeum depressum -Low Barley

Achillea millefolium -Yarrow

Grassland - An area characterized with rushes, sedges, wildflowers, and grasses. With grasses as the dominant vegetation

Distichlis spicata -Saltgrass

Frankenia salina -Alkali Heath

Lasthenia californica -Goldenfields

Alkali Soils/Sinks - A harsh environment with highly alkaline soils. Saltbushes, Alkali Heaths, and saltgrasses are commonly found here.

Artemisia californica -California Sagebrush

Aster lateriflorus -Purple Aster

Baccharis salicifolia -Mule Fat

Edge Condition - The biodiversity found at the interfaces between ecosystems. Our edge focuses on native & drought tolerant species.

TREES

Native to california and parts of the southwest, this native is tolerant of alkali soils and attracts wildlife as well

Juniperus californica - California Juniper - to be placed around the substation

Native to Coachella Valley and found in wash habitats. This drought tolerant plant is known for its pink showy flowers and willow-like foilage

Chilopsis linearis - Desert Willow - to be planted around the visitors center

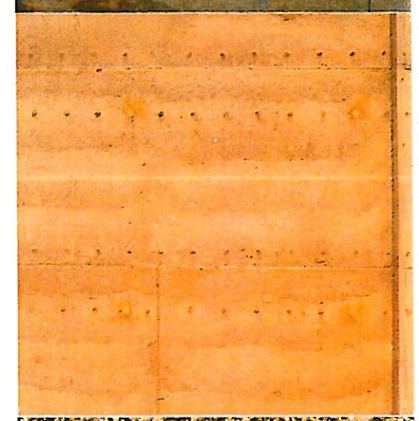
One of California's woodland pines, it is commonly found in the higher elevations encircling the Central Valley. Native to California and very drought tolerant

Pinus sabiniana - Grey Pine - To be located around substation and visitors center

MATERIALS

Corten Steel

Accent material used in project identification and monumentation it provides a subtle accent and visually blends in with the surrounding landscape



Rammed Earth

Ecological and environmentally friendly, soil is to come from on-site and is to be used in monumentation and entry signage

Decompsed Granite

Found on the pathways surrounding the visitor center, the color will match the existing site conditions and will accent the landscape

LANDSCAPE MATERIAL BOARD

For more information on the habitats, plants, and trees, please refer to the plant legend and site plan on Sheet L1.0

CALIFORNIA VALLEY SOLAR RANCH

SLJA landscape architecture land planning

CALIFORNIA VALLEY
SOLAR RANCH
SAN LUIS OBISPO COUNTY, CA.

LANDSCAPE MATERIAL BOARD

REVISIONS:

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1	06/04/09	PROJECT UPDATE

SCALE	
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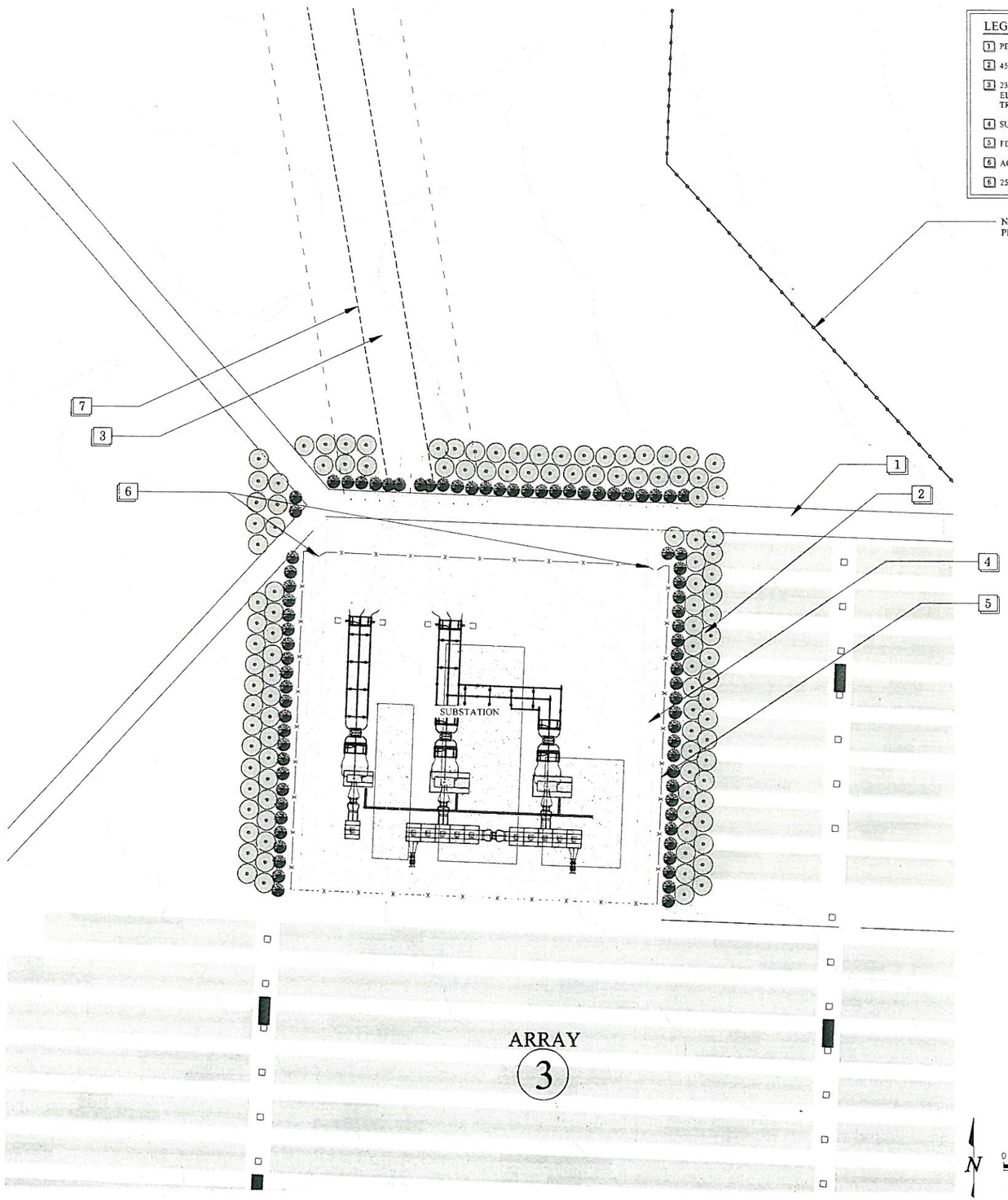
41 OF 61



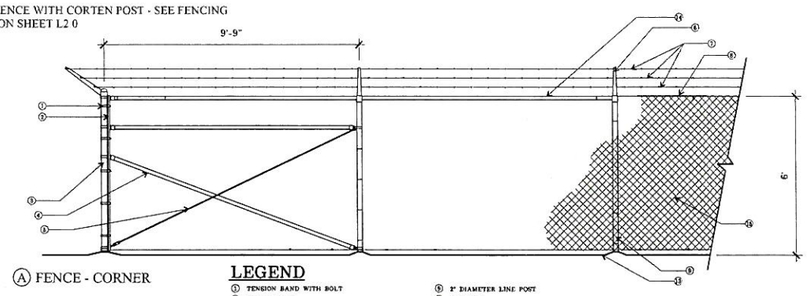
LEGEND

1. PERIMETER / FIRE ACCESS ROAD
2. 45' TALL VEGETATION SCREENING - 2 ROWS
3. 230kV TRANSMISSION LINE - REFER TO ELECTRICAL PLANS FOR SPECIFICATIONS AND TRANSMISSION LINE LOCATION
4. SUBSTATION ACCESS ROAD
5. FENCING - SEE DETAIL A & B THIS SHEET
6. ACCESS GATE - SEE DETAIL C THIS SHEET
6. 25' UTILITY EASEMENT

NEW FENCE WITH CORTEN POST - SEE FENCING PLAN ON SHEET L2 0

PLANT LEGEND

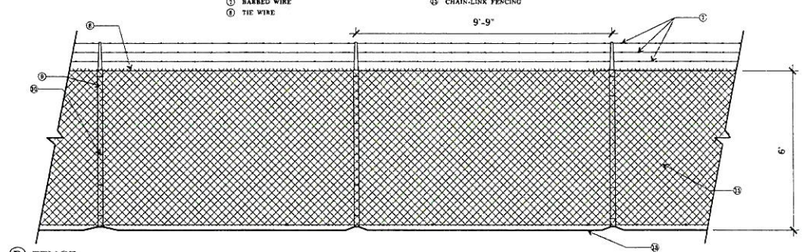
BOTANICAL NAME	COMMON NAME
TREES (5 GALLON / 15 GALLON)	
PINUS SABINIANA	GREY PINE
JUNIPERUS CALIFORNICA	CALIFORNIA JUNIPER



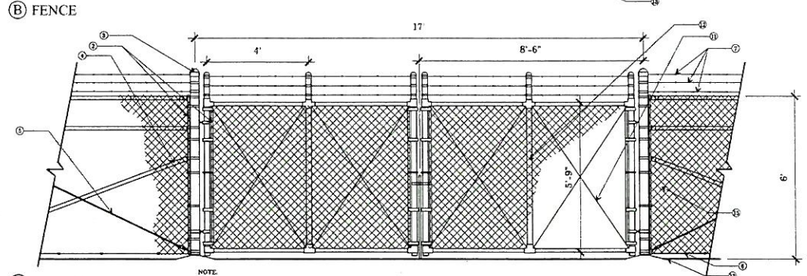
Ⓐ FENCE - CORNER

LEGEND

1. TENSION BAND WITH BOLT
2. TENSION BAR
3. 4" DIAMETER CORNER POST
4. BRACE RAIL
5. TRUSS ROD - MIN 3/8" DIA
6. BRACE RAIL
7. BARBED WIRE
8. TIE WIRE
9. 2" DIAMETER LINE POST
10. TIE WIRE
11. TENSION WIRE
12. 2" DIAMETER GATE FRAME
13. FINISH GRADE
14. TOP RAIL
15. CHAIN-LINK FENCING



Ⓑ FENCE



Ⓒ ACCESS GATE

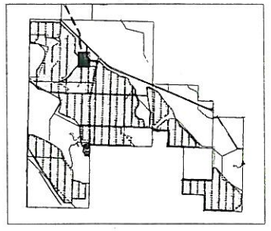
NOTE:

1. DETAIL IS FOR DESIGN INTENT ONLY - REFER TO FENCING & SECURITY CONTRACTOR FOR DETAILS AND SPECIFICATIONS
2. WIRE TIES, RAILS, POSTS, AND BRACES SHALL BE CONSTRUCTED ON THE SECURE SIDE OF THE FENCE OF FENCE ALIGNMENT

NOTES

1. ALL PLANTING AND IRRIGATION SHALL BE INSTALLED TO MEET COUNTY OF SAN LUIS OBISPO STANDARDS AND REQUIREMENTS
2. REFER TO SHEET L5.0 FOR PLANTING OF ALL RE-VEGETATED AREAS
3. REFER TO SHEET L1.0 FOR PLANTING LEGEND

KEY MAP (NTS)



CALIFORNIA VALLEY SOLAR RANCH

SJA landscape architecture land planning

CALIFORNIA VALLEY
SOLAR RANCH
SAN LUIS OBISPO COUNTY, CA.

SUBSTATION

REVISIONS:

REV	DATE	DESCRIPTION
1	05/04/09	PROJECT UPDATE

SCALE	1" = 60'
DATE DRAWN	04/21/09
DRAWN BY	RJ

0 ½" 1"
IF BAR IS NOT ONE INCH, DRAWING IS NOT TO SCALE

SHEET
L 7.0
OF 61