

DRAWING INDEX

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	072-13-002A	1	CONSTRUCTION NOTES									
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	072-13-004A	2	GRADING PLAN - FIELD DEVELOPMENT									
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	072-13-005D	0	GRADING SECTIONS - PRODUCTION GROUP STATION									
	072-13-005E	0	GRADING SECTIONS - STEAM PLANT									
	072-13-005F	0	GRADING SECTIONS - OFFICE/WAREHOUSE SITE									
	072-13-005G	0	GRADING SECTIONS - TYPICAL PAD IN CUT & FILL									
REV 2	072-13-006A	2	PAVING PLAN - CENTRAL PROCESSING PLANT/OFFICE/MULTIPURPOSE BUILDING									
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	072-13-006C	2	PAVING PLAN - STEAM PLANT									
	072-13-006D	0	PAVING PLAN - FIELD DEVELOPMENT									
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	072-13-006F	0	PAVING PLAN - FIELD DEVELOPMENT									
	072-13-006G	0	PAVING PLAN - FIELD DEVELOPMENT									
	072-13-007A	0	PAVING DETAILS									
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REV 2	072-13-009A	2	EROSION CONTROL PLAN - CENTRAL PROCESSING PLANT/OFFICE/MULTIPURPOSE BUILDING									
	072-13-009B	2	EROSION CONTROL PLAN - PRODUCTION GROUP STATION									
	072-13-009C	2	EROSION CONTROL PLAN - STEAM PLANT									
	072-13-009D	0	EROSION CONTROL PLAN - PAD IN CUT (TYP.)									
	072-13-009E	0	EROSION CONTROL PLAN - PAD IN FILL (TYP.)									

THIS IS FOR LAND
USE PERMIT ONLY
NOT ISSUED
FOR CONSTRUCTION

072-13-003A	SITE LOCATION PLAN
072-13-001A	TITLE SHEET/DRAWING INDEX/VICINITY MAP-CIVIL GRADING
DWG NUMBER	TITLE
REFERENCE DRAWINGS	

TJCROSS ENGINEERS

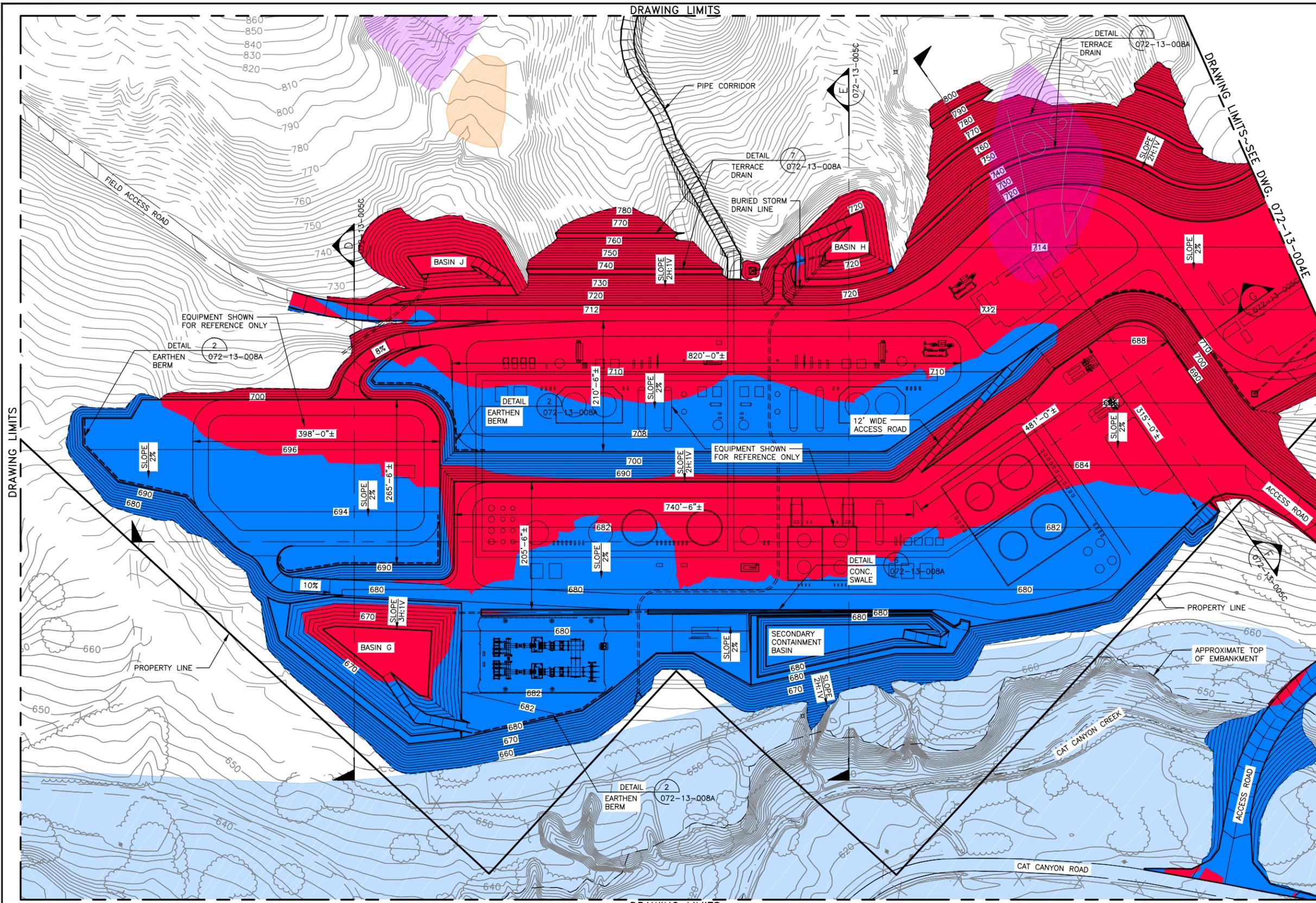
T.J. CROSS AUTOCAD CONTROL
 SCALE: NONE FILE: 13186/072-13-001B
 PLOT AT: 1=1 LAYER(S):
 ENGINEER: RSD CHANGED BY: RAA
 DATE STARTED: 05/09/14 LAST CHANGED: 02/22/16

DATE	REV	DESCRIPTION	BY	APPR	AERA ENG
02/22/16	2	REISSUED FOR PERMIT (UPDATED PLOT PLAN)	RAA	RSD	EP
08/26/14	1	ISSUED FOR PERMIT (ADDED SLOPE KEY VOL.)	IDU	RSD	EP
08/20/14	0	ISSUED FOR PERMIT	RAA	RSD	EP

AERA

TITLE SHEET/DRAWING INDEX - CIVIL
 FIELD REDEVELOPMENT PROJECT
 SECTIONS 19/20/29/30/31 & 32 T9N R32W
 EAST CAT CANYON FIELD - SANTA BARBARA COUNTY - CALIFORNIA

AERA ENGINEER:	ERIC PAULSON
CO. ENGINEER:	TJCROSS ENGINEERS, INC
PROJ. MGR:	ALI GOKGOZ
DESIGNED BY:	ROBIN DICKERSON
DRAFTED BY:	ROBERT AMARO
ECCN NO.	EAR99
ORIGINAL DWG NO.	
DATE:	02/22/16
SCALE:	NONE
NO.	072-13-001B
CAD FILE NO.	072-13-001B
REV.	2



EARTHWORK VOLUMES:

ROUGH GRADE QUANTITIES:	
CUT (CU. YDS.)	+489,017
FILL* (CU. YDS.)	-207,376
TOTAL CUT (CU. YDS.)	+489,017
TOTAL FILL* (CU. YDS.)	-207,376
NET (CU. YDS.)	+281,641

(SEE NOTE 3.)
 * INCLUDES 30% SHRINKAGE
 DISTURBED AREA = 35.50 AC
 (SEE NOTE 4.)

EARTHWORK NOTES:

- A. EARTHWORK QUANTITIES SHOWN FOR PERMIT PURPOSES ONLY.
- B. SEE EARTHWORK NOTES B AND C ON SHEET 072-13-002A UNDER "EARTHWORK NOTES".

NOTES:

1. THIS PLAN GENERATED FROM AERIAL SURVEY AS PROVIDED BY CENTRAL COAST AERIAL MAPPING INC., THEIR FILENAME/DATE - 2011-1719/APRIL 16, 2011. THIS SURVEY COLLECTED IN THE NAD 83, ZONE 5 STATE PLANE COORDINATE SYSTEM.
2. CONTOURS SHOWN REPRESENT FINISHED GRADE ELEVATIONS.
3. EARTHWORK QUANTITIES INCLUDE CENTRAL PROCESSING PLANT, OFFICE & WAREHOUSE AREAS.
4. DISTURBANCE AREA INCLUDES CENTRAL PROCESSING PLANT, OFFICE & WAREHOUSE AREAS.

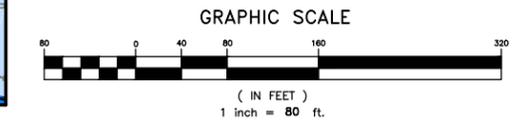
EXISTING GRADE CONTOUR INTERVAL = 2'-0"
 DESIGN GRADE CONTOUR INTERVAL = 2'-0"

LEGEND

- AREA OF CUT
- AREA OF ENGINEERED FILL
- EXCLUSION AREA
- LANDSLIDE
- FEMA FLOOD BOUNDARY PER SANTA BARBARA COUNTY
- ⊕ ABANDONED WELL (APPROX. LOCATION)

THIS IS FOR LAND USE PERMIT ONLY
 NOT ISSUED FOR CONSTRUCTION

NOTE TO SURVEYOR:
 AFTER SETTING UP ON THE NGS MONUMENT IN THIS AREA PLEASE CHECK THE COORDINATES IN THE COORDINATE CONFIRMATION SCHEDULE. IF THE COORDINATES CANNOT BE CONFIRMED, PLEASE CONTACT T.J. CROSS IMMEDIATELY.



072-13-003A	SITE LOCATION PLAN
072-13-001A	TITLE SHEET/DRAWING INDEX/VICINITY MAP-CIVIL GRADING
DWG NUMBER	TITLE
REFERENCE DRAWINGS	

TJCROSS ENGINEERS

T.J. CROSS AUTOCAD CONTROL
 SCALE: 1"=80'
 PLOT AT: 1=1
 ENGINEER: RSD
 DATE STARTED: 05/30/14

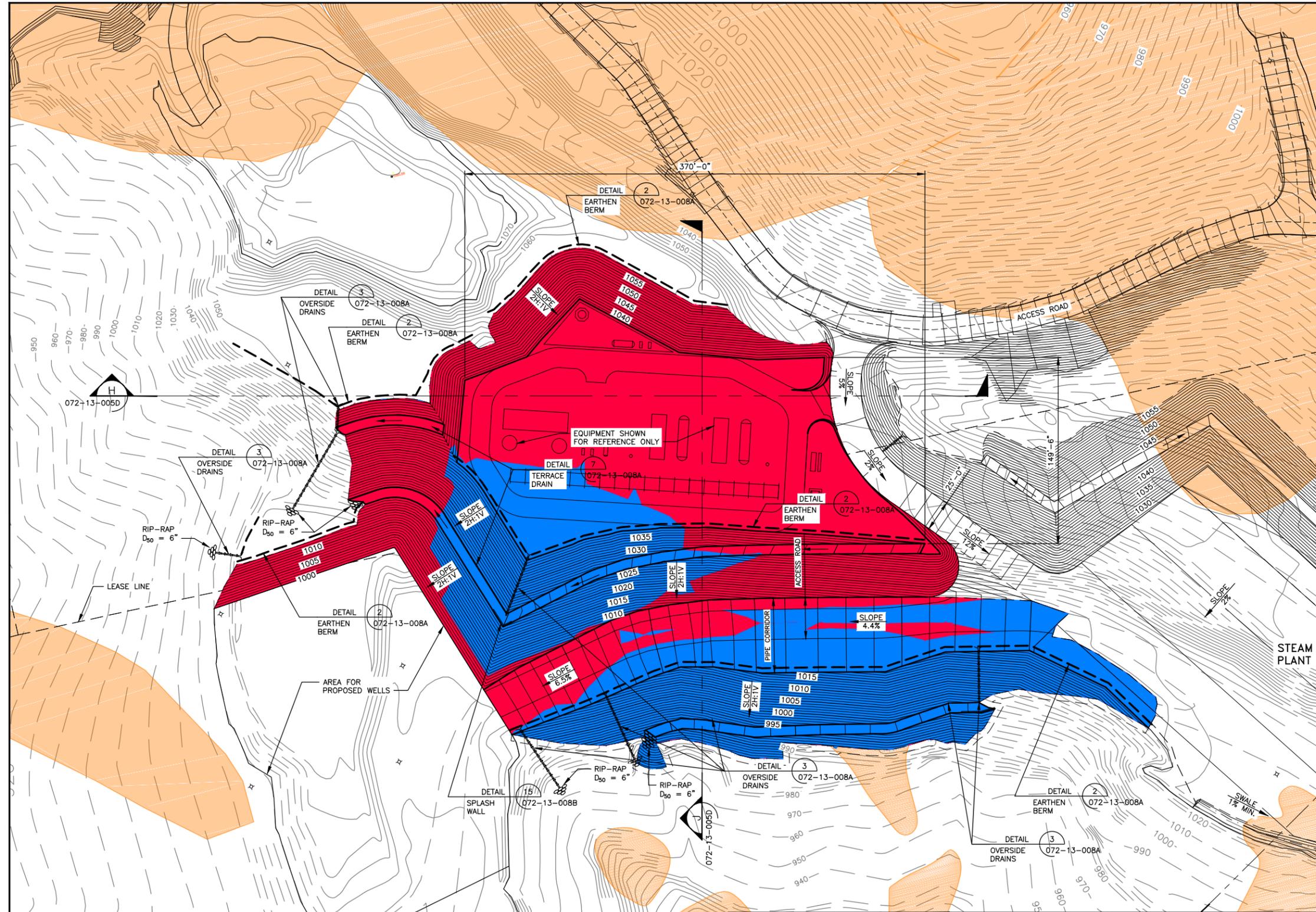
FILE: 13186/072-13-004B
 LAYER(S):
 CHANGED BY: RAA
 LAST CHANGED: 02/22/16

DATE	REV	DESCRIPTION	BY	APPR	AERA ENG
02/22/16	2	REISSUED FOR PERMIT (UPDATED PLOT PLAN)	RAA	RSD	EP
08/26/14	1	ISSUED FOR PERMIT (ADDED SLOPE KEY VOL.)	IDU	RSD	EP
08/20/14	0	ISSUED FOR PERMIT	RAA	RSD	EP

AERA

GRADING PLAN - CENTRAL PROCESSING PLANT
 FIELD REDEVELOPMENT PROJECT
 SECTION 30 T9N R32W
 EAST CAT CANYON FIELD - SANTA BARBARA COUNTY - CALIFORNIA

AERA ENGINEER: ERIC PAULSON	DATE: 02/22/16	SCALE: 1" = 80'
CO. ENGINEER: TJCROSS ENGINEERS, INC	ORIGINAL DWG NO.	
PROJ. MGR: ALI GOKGOZ		
DESIGNED BY: ROBIN DICKERSON	NO. 072-13-004B	REV. 2
DRAFTED BY: ROBERT AMARO		
ECCN NO. EAR99	CAD FILE NO. 072-13-004B	



EARTHWORK VOLUMES:

ROUGH GRADE QUANTITIES:	
CUT (CU. YDS.)	+23,216
FILL* (CU. YDS.)	-29,271
TOTAL CUT (CU. YDS.)	+23,216
TOTAL FILL* (CU. YDS.)	-29,271
NET (CU. YDS.)	-6,055

* INCLUDES 30% SHRINKAGE
DISTURBED AREA = 3.48 AC

EARTHWORK NOTES:

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- B. SEE EARTHWORK NOTES B AND C ON SHEET 072-13-002A UNDER "EARTHWORK NOTES".

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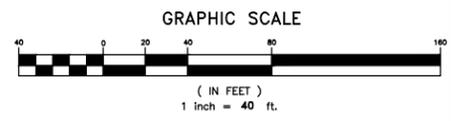
LEGEND

- AREA OF CUT
- AREA OF ENGINEERED FILL
- EXCLUSION AREA
- ABANDONED WELL (APPROX. LOCATION)

NOTE TO SURVEYOR:
AFTER SETTING UP ON THE NGS MONUMENT IN THIS AREA PLEASE CHECK THE COORDINATES IN THE COORDINATE CONFIRMATION SCHEDULE. IF THE COORDINATES CANNOT BE CONFIRMED, PLEASE CONTACT T.J. CROSS IMMEDIATELY.

NOTES:

1. THIS PLAN GENERATED FROM AERIAL SURVEY AS PROVIDED BY CENTRAL COAST AERIAL MAPPING INC., THEIR FILENAME/DATE - 2011-1719/APRIL 16, 2011. THIS SURVEY COLLECTED IN THE NAD 83, ZONE 5 STATE PLANE COORDINATE SYSTEM.
2. CONTOURS SHOWN REPRESENT FINISHED GRADE ELEVATIONS
EXISTING GRADE CONTOUR INTERVAL = 2'-0"
DESIGN GRADE CONTOUR INTERVAL = 1'-0"



072-13-003A	SITE LOCATION PLAN
072-13-001A	TITLE SHEET/DRAWING INDEX/VICINITY MAP-CIVIL GRADING
DWG NUMBER	TITLE
REFERENCE DRAWINGS	



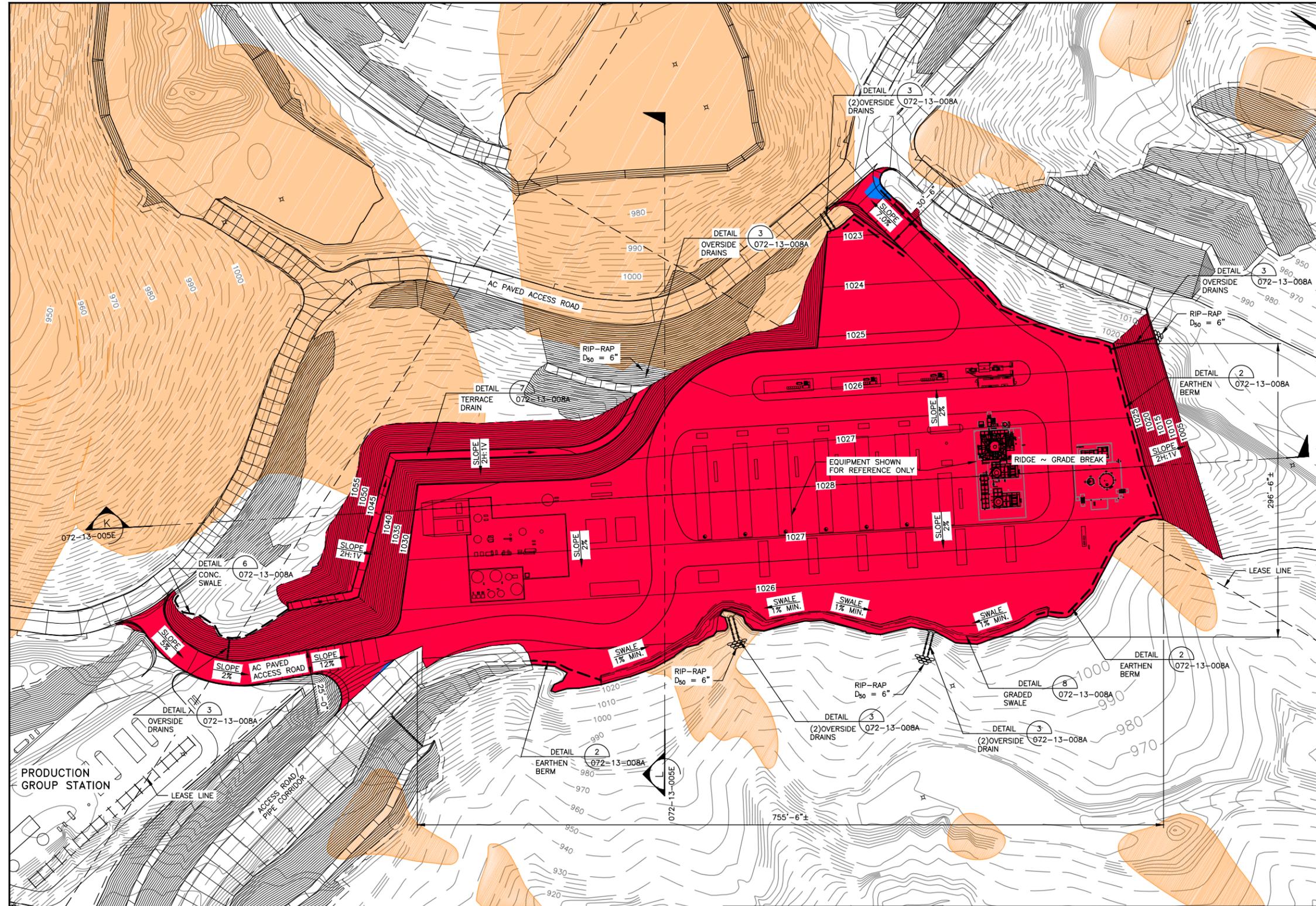
T.J. CROSS AUTOCAD CONTROL
SCALE: 1"=40'
PLOT AT: 1=1
ENGINEER: RSD
DATE STARTED: 04/23/14
FILE: 13186/072-13-004C
LAYER(S):
CHANGED BY: RAA
LAST CHANGED: 02/22/16

DATE	REV	DESCRIPTION	BY	APPR	AERA ENG
02/22/16	2	REISSUED FOR PERMIT (UPDATED PLOT PLAN)	RAA	RSD	EP
08/26/14	1	ISSUED FOR PERMIT (ADDED SLOPE KEY VOL.)	IDU	RSD	EP
08/20/14	0	ISSUED FOR PERMIT	RAA	RSD	EP

AERA

GRADING PLAN - PRODUCTION GROUP STATION
FIELD REDEVELOPMENT PROJECT
SECTION 30 T9N R32W
EAST CAT CANYON FIELD - SANTA BARBARA COUNTY - CALIFORNIA

AERA ENGINEER: ERIC PAULSON	DATE: 02/22/16	SCALE: 1" = 40'
CO. ENGINEER: TJCROSS ENGINEERS, INC	ORIGINAL DWG NO.	
PROJ. MGR: ALI GOKGOZ	NO. 072-13-004C	REV. 2
DESIGNED BY: ROBIN DICKERSON		
DRAFTED BY: ROBERT AMARO	CAD FILE NO. 072-13-004C	
ECCN NO. EAR99		



EARTHWORK VOLUMES:

ROUGH GRADE QUANTITIES:	
CUT (CU. YDS.)	+198,848
FILL* (CU. YDS.)	-3
TOTAL CUT (CU. YDS.)	+198,848
TOTAL FILL* (CU. YDS.)	-3
NET (CU. YDS.)	+198,845

* INCLUDES 30% SHRINKAGE
DISTURBED AREA = 6.09 AC

EARTHWORK NOTES:

- A. EARTHWORK QUANTITIES SHOWN FOR PERMIT PURPOSES ONLY.
- B. SEE EARTHWORK NOTES B AND C ON SHEET 072-13-002A UNDER "EARTHWORK NOTES".

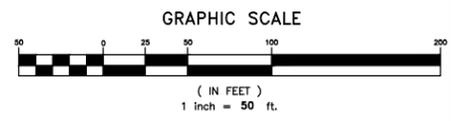
THIS IS FOR LAND
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FOR CONSTRUCTION

LEGEND

- AREA OF CUT
- AREA OF ENGINEERED FILL
- EXCLUSION AREA
- ABANDONED WELL (APPROX. LOCATION)

NOTE TO SURVEYOR:
AFTER SETTING UP ON THE NGS MONUMENT IN THIS AREA PLEASE CHECK THE COORDINATES IN THE COORDINATE CONFIRMATION SCHEDULE. IF THE COORDINATES CANNOT BE CONFIRMED, PLEASE CONTACT T.J. CROSS IMMEDIATELY.

- NOTES:**
1. THIS PLAN GENERATED FROM AERIAL SURVEY AS PROVIDED BY CENTRAL COAST AERIAL MAPPING INC., THEIR FILENAME/DATE - 2011-1719/APRIL 16, 2011. THIS SURVEY COLLECTED IN THE NAD 83, ZONE 5 STATE PLANE COORDINATE SYSTEM.
 2. CONTOURS SHOWN REPRESENT FINISHED GRADE ELEVATIONS
EXISTING GRADE CONTOUR INTERVAL = 2'-0"
DESIGN GRADE CONTOUR INTERVAL = 1'-0"



072-13-003A	SITE LOCATION PLAN
072-13-001A	TITLE SHEET/DRAWING INDEX/VICINITY MAP-CIVIL GRADING
DWG NUMBER	TITLE
REFERENCE DRAWINGS	

TJCROSS ENGINEERS

T.J. CROSS AUTOCAD CONTROL
SCALE: 1"=50'
PLOT AT: 1:1
ENGINEER: RSD
DATE STARTED: 10/24/13

FILE: 13186/072-13-004D
LAYER(S):
CHANGED BY: RAA
LAST CHANGED: 02/22/16

DATE	REV	DESCRIPTION	BY	APPR	AERA ENG
02/22/16	2	REISSUED FOR PERMIT (UPDATED PLOT PLAN)	RAA	RSD	EP
08/26/14	1	ISSUED FOR PERMIT (ADDED SLOPE KEY VOL.)	IDU	RSD	EP
08/20/14	0	ISSUED FOR PERMIT	RAA	RSD	EP

AERA

GRADING PLAN - STEAM PLANT
FIELD REDEVELOPMENT PROJECT
SECTION 30 T9N R32W
EAST CAT CANYON FIELD - SANTA BARBARA COUNTY - CALIFORNIA

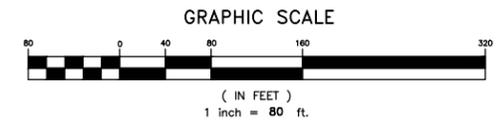
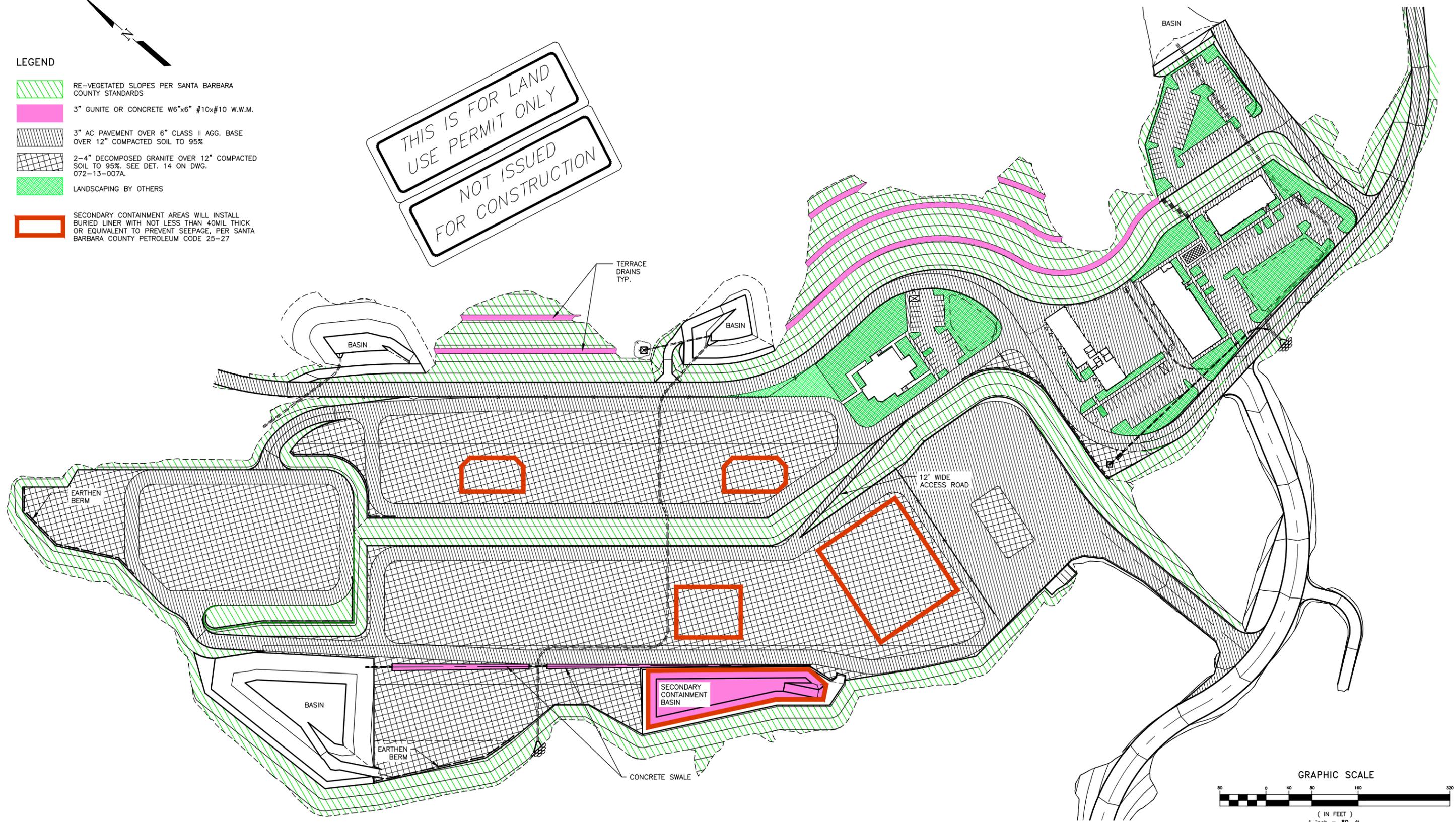
AERA ENGINEER:	ERIC PAULSON	DATE:	02/22/16	SCALE:	1" = 50'
CO. ENGINEER:	TJCROSS ENGINEERS, INC	ORIGINAL DWG NO.:			
PROJ. MGR:	ALI GOKGOZ	NO.	072-13-004D	REV.	2
DESIGNED BY:	ROBIN DICKERSON	CAD FILE NO.	072-13-004D		
DRAFTED BY:	ROBERT AMARO				
ECCN NO.	EAR99				

LEGEND

-  RE-VEGETATED SLOPES PER SANTA BARBARA COUNTY STANDARDS
-  3" GUNITE OR CONCRETE W6"x6" #10x#10 W.W.M.
-  3" AC PAVEMENT OVER 6" CLASS II AGG. BASE OVER 12" COMPACTED SOIL TO 95%
-  2-4" DECOMPOSED GRANITE OVER 12" COMPACTED SOIL TO 95%. SEE DET. 14 ON DWG. 072-13-007A.
-  LANDSCAPING BY OTHERS
-  SECONDARY CONTAINMENT AREAS WILL INSTALL BURIED LINER WITH NOT LESS THAN 40MIL THICK OR EQUIVALENT TO PREVENT SEEPAGE, PER SANTA BARBARA COUNTY PETROLEUM CODE 25-27

THIS IS FOR LAND
USE PERMIT ONLY

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FOR CONSTRUCTION



EXISTING GRADE CONTOUR INTERVAL = 2'-0"
DESIGN GRADE CONTOUR INTERVAL = 2'-0"

- NOTES:**
1. THIS PLAN GENERATED FROM AERIAL SURVEY AS PROVIDED BY CENTRAL COAST AERIAL MAPPING INC., THEIR FILENAME/DATE - 2011-1719/APRIL 16, 2011. THIS SURVEY COLLECTED IN THE NAD 83, ZONE 5 STATE PLANE COORDINATE SYSTEM.
 2. CONTOURS SHOWN REPRESENT FINISHED GRADE ELEVATIONS



T.J. CROSS AUTOCAD CONTROL
SCALE: 1"=80' FILE: 13186/072-13-006A
PLOT AT: 1=1 LAYER(S):
ENGINEER: RSD CHANGED BY: RAA
DATE STARTED: 05/30/14 LAST CHANGED: 02/22/16

DATE	REV	DESCRIPTION	BY	APPR	AERA ENG
02/22/16	2	REISSUED FOR PERMIT (UPDATED PLOT PLAN)	RAA	RSD	EP
08/26/14	1	ISSUED FOR PERMIT (ADDED SLOPE KEY VOL.)	IDU	RSD	EP
08/20/14	0	ISSUED FOR PERMIT	RAA	RSD	EP

AERA

PAVING PLAN - CENTRAL PROCESSING PLANT/OFFICE/MULTIPURPOSE BUILDING
FIELD REDEVELOPMENT PROJECT
SECTION 30 T9N R32W
EAST CAT CANYON FIELD - SANTA BARBARA COUNTY - CALIFORNIA

AERA ENGINEER: ERIC PAULSON	DATE: 02/22/16	SCALE: 1" = 80'
CO. ENGINEER: TJCROSS ENGINEERS, INC	ORIGINAL DWG NO.	
PROJ. MGR: ALI GOKGOZ		
DESIGNED BY: ROBIN DICKERSON	NO. 072-13-006A	REV. 2
DRAFTED BY: ISAC URBINA		
ECCN NO. EAR99	CAD FILE NO. 072-13-006A	

DWG NUMBER	TITLE
072-13-003A	SITE LOCATION PLAN
072-13-001A	TITLE SHEET/DRAWING INDEX/VICINITY MAP-CIVIL GRADING
	REFERENCE DRAWINGS

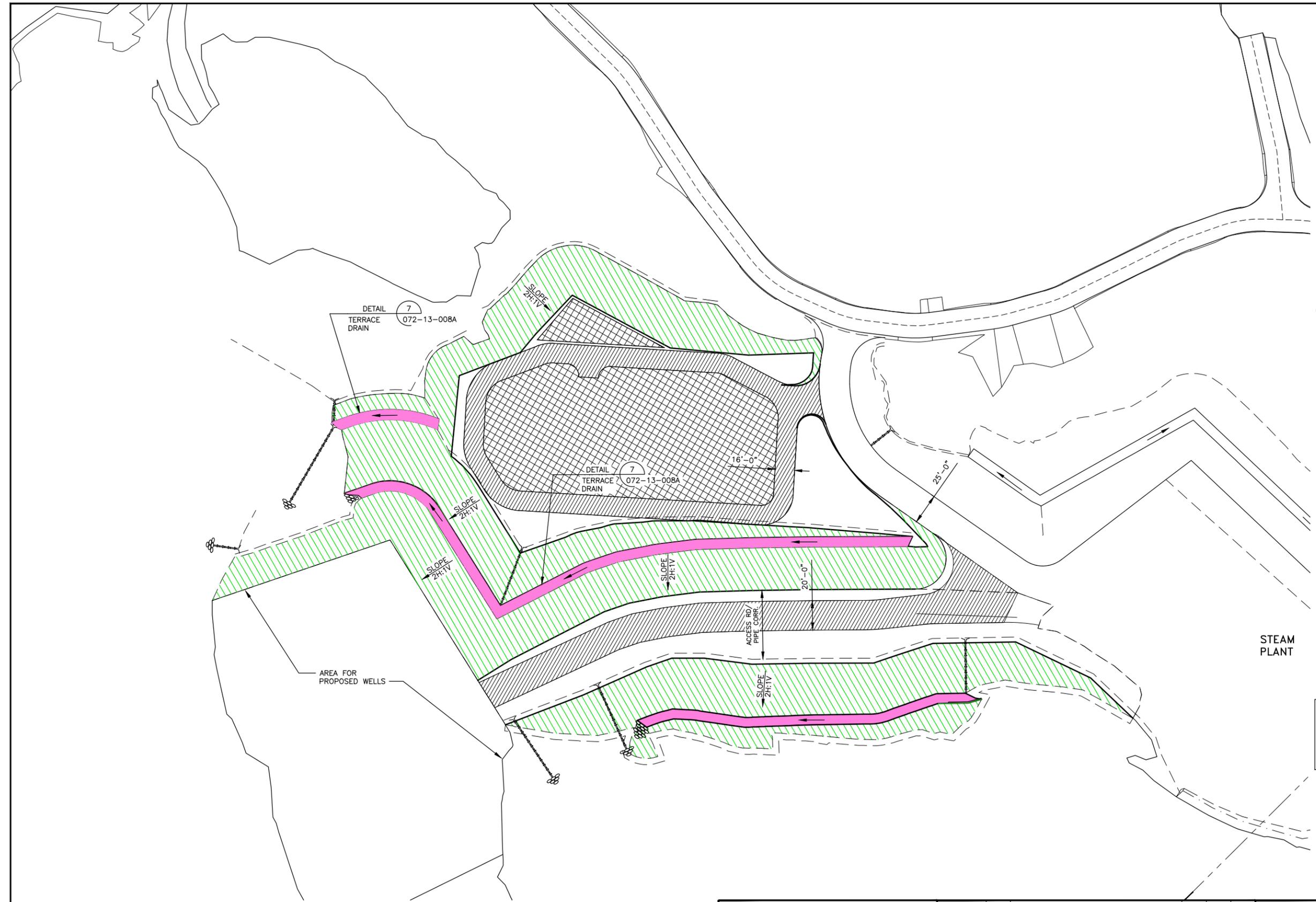
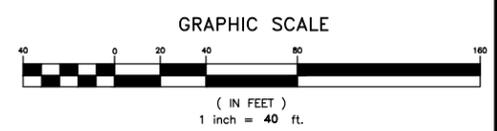
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- LEGEND**
-  RE-VEGETATED SLOPES PER SANTA BARBARA COUNTY STANDARDS
 -  3" GUNITE OR CONCRETE W6"x6" #10x#10 W.W.M.
 -  3" AC PAVEMENT OVER 6" CLASS II AGG. BASE OVER 12" COMPACTED SOIL TO 95%
 -  2-4" DECOMPOSED GRANITE OVER 12" COMPACTED SOIL TO 95%. SEE DET. 14 ON DWG. 072-13-007A.
 -  LANDSCAPING BY OTHERS
 -  SECONDARY CONTAINMENT AREAS WILL INSTALL BURIED LINER WITH NOT LESS THAN 40MIL THICK OR EQUIVALENT TO PREVENT SEEPAGE, PER SANTA BARBARA COUNTY PETROLEUM CODE 25-27

NOTES:

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EXISTING GRADE CONTOUR INTERVAL = 2'-0"



072-13-003A	SITE LOCATION PLAN
072-13-001A	TITLE SHEET/DRAWING INDEX/VICINITY MAP-CIVIL GRADING
DWG NUMBER	TITLE
REFERENCE DRAWINGS	

TJCROSS ENGINEERS

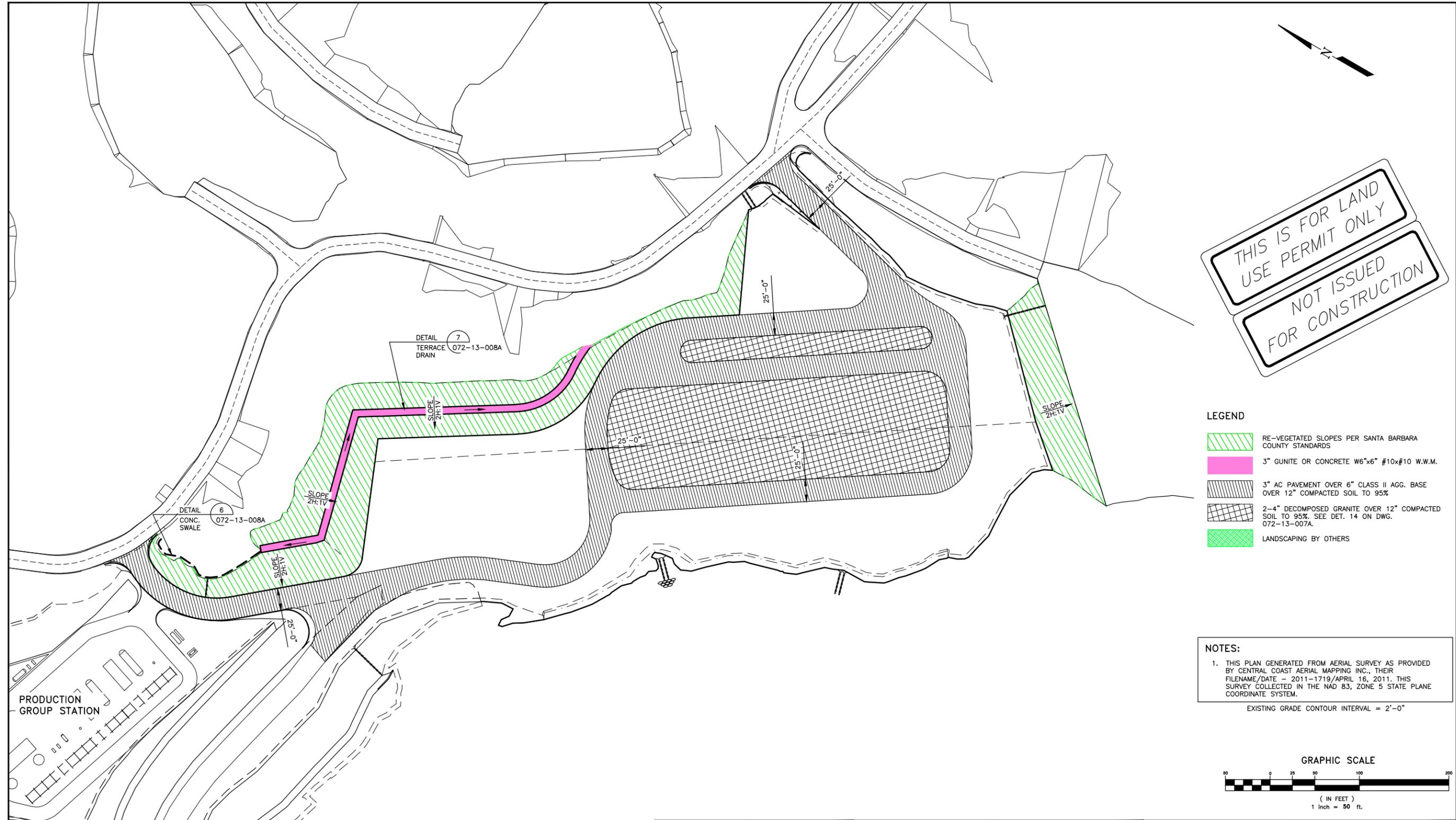
T.J. CROSS AUTOCAD CONTROL
 SCALE: 1"=40' FILE: 13186/072-13-006B
 PLOT AT: 1=1 LAYER(S):
 ENGINEER: RSD CHANGED BY: RAA
 DATE STARTED: 04/23/14 LAST CHANGED: 02/22/16

DATE	REV	DESCRIPTION	BY	APPR	AERA ENG
02/22/16	2	REISSUED FOR PERMIT (UPDATED PLOT PLAN)	RAA	RSD	EP
08/26/14	1	ISSUED FOR PERMIT (ADDED SLOPE KEY VOL.)	IDU	RSD	EP
08/20/14	0	ISSUED FOR PERMIT	RAA	RSD	EP

AERA

PAVING PLAN - PRODUCTION GROUP STATION
 FIELD REDEVELOPMENT PROJECT
 SECTION 30 T9N R32W
 EAST CAT CANYON FIELD - SANTA BARBARA COUNTY - CALIFORNIA

AERA ENGINEER: ERIC PAULSON	DATE: 02/22/16	SCALE: 1" = 40'
CO. ENGINEER: TJCROSS ENGINEERS, INC	ORIGINAL DWG NO.	
PROJ. MGR: ALI GOKGOZ		
DESIGNED BY: ROBIN DICKERSON	NO. 072-13-006B	REV. 2
DRAFTED BY: ROBERT AMARO		
ECCN NO. EAR99	CAD FILE NO. 072-13-006B	



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USE PERMIT ONLY

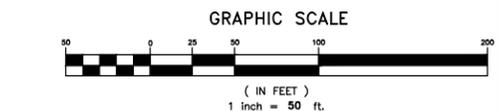
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- LEGEND**
- RE-VEGETATED SLOPES PER SANTA BARBARA COUNTY STANDARDS
 - 3" GUNITE OR CONCRETE W6"x6" #10x#10 W.W.M.
 - 3" AC PAVEMENT OVER 6" CLASS II AGG. BASE OVER 12" COMPACTED SOIL TO 95%
 - 2-4" DECOMPOSED GRANITE OVER 12" COMPACTED SOIL TO 95%. SEE DET. 14 ON DWG. 072-13-007A.
 - LANDSCAPING BY OTHERS

NOTES:

1. THIS PLAN GENERATED FROM AERIAL SURVEY AS PROVIDED BY CENTRAL COAST AERIAL MAPPING INC., THEIR FILENAME/DATE - 2011-1719/APRIL 16, 2011. THIS SURVEY COLLECTED IN THE NAD 83, ZONE 5 STATE PLANE COORDINATE SYSTEM.

EXISTING GRADE CONTOUR INTERVAL = 2'-0"



PRODUCTION
GROUP STATION

DWG NUMBER	TITLE
072-13-003A	SITER LOCATION PLAN
072-13-001A	TITLE SHEET/DRAWING INDEX/VICINITY MAP-CIVIL GRADING
REFERENCE DRAWINGS	

TJCROSS ENGINEERS				AERA	
T.J. CROSS AUTOCAD CONTROL SCALE: 1"=50' PLOT AT: 1=1 ENGINEER: RSD DATE STARTED: 10/24/13		FILE: 13186/072-13-006C LAYER(S): CHANGED BY: RAA LAST CHANGED: 02/22/16		PAVING PLAN - STEAM PLANT FIELD REDEVELOPMENT PROJECT SECTION 30 T9N R32W EAST CAT CANYON FIELD - SANTA BARBARA COUNTY - CALIFORNIA	
DATE	REV	DESCRIPTION	BY	APPR	AERA ENG
02/22/16	2	REISSUED FOR PERMIT (UPDATED PLOT PLAN)	RAA	RSD	EP
08/26/14	1	ISSUED FOR PERMIT (ADDED SLOPE KEY VOL.)	IDU	RSD	EP
08/20/14	0	ISSUED FOR PERMIT	RAA	RSD	EP
				AERA ENGINEER: ERIC PAULSON CO. ENGINEER: TJCROSS ENGINEERS, INC	
				PROJ. MGR: ALI GOKGOZ DESIGNED BY: ROBIN DICKERSON DRAFTED BY: ROBERT AMARO ECCN NO. EAR99	
				DATE: 02/22/16 ORIGINAL DWG NO.	
				SCALE: 1" = 50'	
				NO. 072-13-006C	
				CAD FILE NO. 072-13-006C	
				REV. 2	

LEGEND:

- CALIFORNIA STORM WATER QUALITY ASSOCIATION
- EC-1 SCHEDULING
 - EC-2 PRESERVATION OF EXISTING VEGETATION
 - EC-3 HYDRAULIC MULCH
 - EC-4 HYDROSEEDING
 - EC-5 SOIL BINDERS
 - EC-6 STRAW MULCH
 - EC-7 GEOTEXTILES AND MATS
 - EC-8 WOOD MULCHING
 - EC-9 EARTH DIKE AND DRAINAGE SWALES
 - EC-10 VELOCITY DISSIPATION DEVICES
 - EC-11 SLOPE DRAINS
 - EC-12 STREAMBANK STABILIZATION
 - EC-15 SOIL PREPARATION/ ROUGHENING
 - EC-16 NON-VEGETATIVE STABILIZATION
 - SE-1 SILT FENCE
 - SE-2 SEDIMENT BASIN
 - SE-3 SEDIMENT TRAPS
 - SE-4 FIBER ROLLS
 - SE-5 GRAVEL BAG BERM
 - SE-6 STREET SWEEPING AND VACUUMING
 - SE-7 STRAW BALE BARRIER
 - SE-9 STORM DRAIN INLET PROTECTION
 - SE-10 COMPOST SOCKS AND BERMS
 - TC-1 STABILIZED CONSTRUCTION ENTRANCE/EXIT
 - TC-2 STABILIZED CONSTRUCTION ROADWAY
 - TC-3 ENTRANCE/ OUTLET TIRE WASH
 - WM-1 MATERIAL DELIVERY AND STORAGE
 - WM-2 MATERIAL USE
 - WM-3 STOCKPILE MANAGEMENT
 - WM-4 SPILL PREVENTION AND CONTROL
 - WM-5 SOLID WASTE MANAGEMENT
 - WM-6 HAZARDOUS WASTE MANAGEMENT
 - WM-7 CONTAMINATED SOIL MANAGEMENT
 - WM-8 CONCRETE WASTE MANAGEMENT
 - WM-9 SANITARY/SEPTIC WASTE MANAGEMENT
 - WM-10 LIQUID WASTE MANAGEMENT
 - WE-1 WIND EROSION CONTROL
 - NS-1 WATER CONSERVATION PRACTICES
 - NS-3 PAVING AND GRINDING OPERATIONS
 - NS-5 CLEAR WATER DIVERSION
 - NS-6 ILLICIT CONNECTION/ DISCHARGE
 - NS-7 POTABLE WATER/ IRRIGATION
 - NS-8 VEHICLE AND EQUIPMENT CLEANING
 - NS-9 VEHICLE AND EQUIPMENT FUELING
 - NS-10 VEHICLE AND EQUIPMENT MAINTENANCE
 - NS-12 CONCRETE CURING
 - NS-13 CONCRETE FINISHING

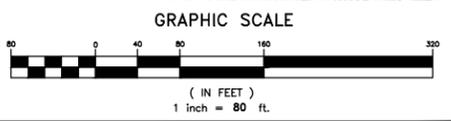
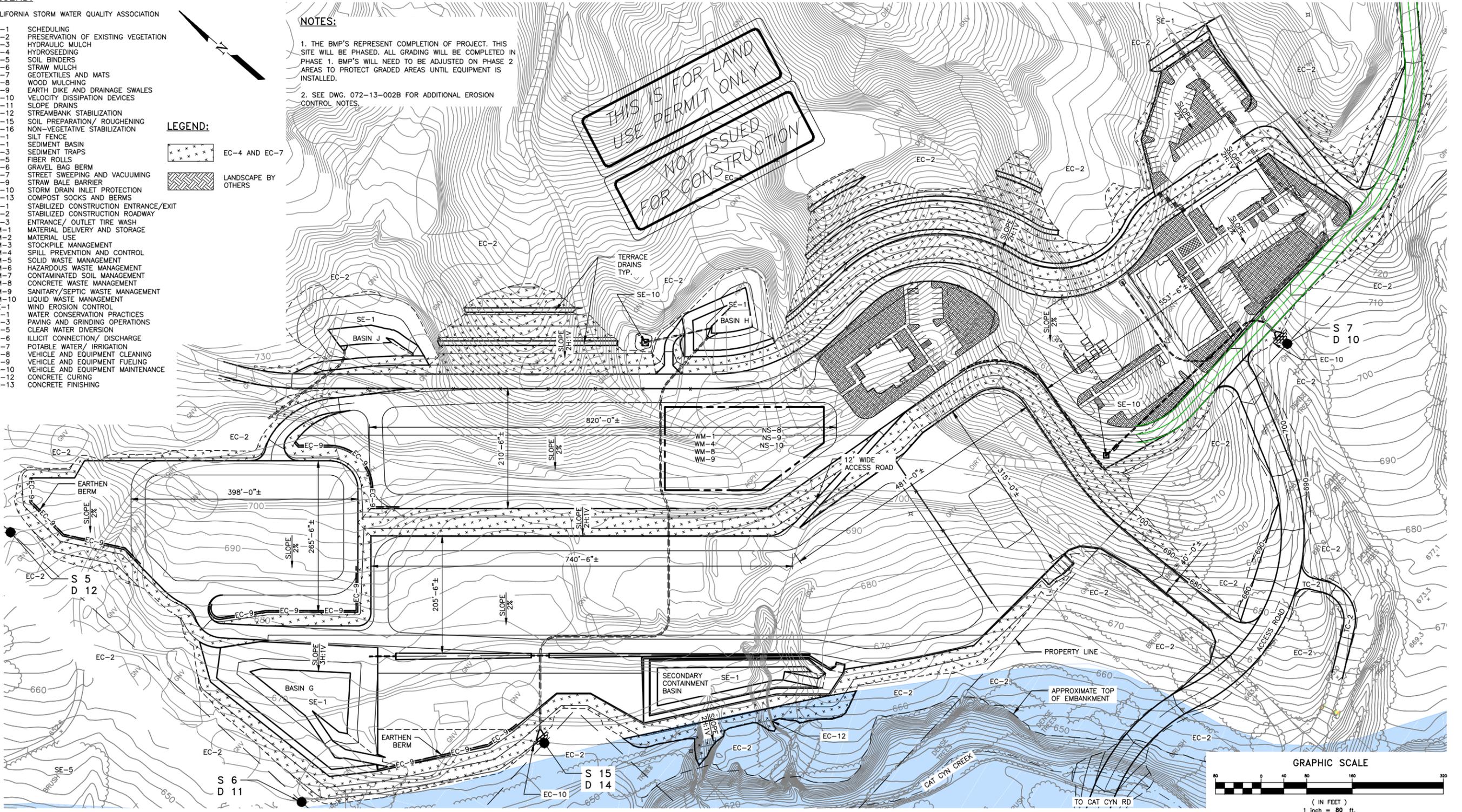
LEGEND:

- EC-4 AND EC-7
- LANDSCAPE BY OTHERS

NOTES:

1. THE BMP'S REPRESENT COMPLETION OF PROJECT. THIS SITE WILL BE PHASED. ALL GRADING WILL BE COMPLETED IN PHASE 1. BMP'S WILL NEED TO BE ADJUSTED ON PHASE 2 AREAS TO PROTECT GRADED AREAS UNTIL EQUIPMENT IS INSTALLED.
2. SEE DWG. 072-13-002B FOR ADDITIONAL EROSION CONTROL NOTES.

THIS IS FOR LAND
USE PERMIT ONLY
NOT ISSUED
FOR CONSTRUCTION



DWG NUMBER	TITLE
072-13-003A	SITE LOCATION PLAN
072-13-001A	TITLE SHEET/DRAWING INDEX/VICINITY MAP-CIVIL GRADING
REFERENCE DRAWINGS	

EXISTING GRADE CONTOUR INTERVAL = 2'-0"
DESIGN GRADE CONTOUR INTERVAL = 2'-0"

NOTES:

1. THIS PLAN GENERATED FROM AERIAL SURVEY AS PROVIDED BY CENTRAL COAST AERIAL MAPPING INC., THEIR FILENAME/DATE - 2011-1719/APRIL 16, 2011. THIS SURVEY COLLECTED IN THE NAD 83, ZONE 5 STATE PLANE COORDINATE SYSTEM.
2. CONTOURS SHOWN REPRESENT FINISHED GRADE ELEVATIONS

- LEGEND**
- S 5 SAMPLING LOCATION
 - D 12 DISCHARGE LOCATION

TJCROSS ENGINEERS

T.J. CROSS AUTOCAD CONTROL

SCALE: 1"=80'	FILE: 13186/072-13-009A
PLOT AT: 1=1	LAYER(S):
ENGINEER: RSD	CHANGED BY: RAA
DATE STARTED: 05/30/14	LAST CHANGED: 02/22/16

DATE	REV	DESCRIPTION	BY	APPR	AERA ENG
02/22/16	2	ISSUED FOR PERMIT (UPDATED PLOT PLAN)	RAA	RSD	EP
08/26/14	1	ISSUED FOR PERMIT (ADDED SLOPE KEY VOL.)	IDU	RSD	EP
08/20/14	0	ISSUED FOR PERMIT	RAA	RSD	EP

AERA

EROSION CONTROL PLAN - CENTRAL PROCESSING PLANT/OFFICE/MULTIPURPOSE BUILDING
FIELD REDEVELOPMENT PROJECT
SECTION 30 T9N R32W
EAST CAT CANYON FIELD - SANTA BARBARA COUNTY - CALIFORNIA

AERA ENGINEER: ERIC PAULSON	DATE: 02/22/16	SCALE: 1" = 80'
CO. ENGINEER: TJCROSS ENGINEERS, INC	ORIGINAL DWG NO.	
PROJ. MGR: ALI GOKGOZ	NO. 072-13-009A	
DESIGNED BY: ROBIN DICKERSON	REV. 2	
DRAFTED BY: ROBERT AMARO	CAD FILE NO. 072-13-009A	
ECCN NO. EAR99		



LEGEND:

- CALIFORNIA STORM WATER QUALITY ASSOCIATION
- EC-1 SCHEDULING
 - EC-2 PRESERVATION OF EXISTING VEGETATION
 - EC-3 HYDRAULIC MULCH
 - EC-4 HYDROSEEDING
 - EC-5 SOIL BINDERS
 - EC-6 STRAW MULCH
 - EC-7 GEOTEXTILES AND MATS
 - EC-8 WOOD MULCHING
 - EC-9 EARTH DIKE AND DRAINAGE SWALES
 - EC-10 VELOCITY DISSIPATION DEVICES
 - EC-11 SLOPE DRAINS
 - EC-12 STREAMBANK STABILIZATION
 - EC-15 SOIL PREPARATION/ ROUGHENING
 - EC-16 NON-VEGETATIVE STABILIZATION
 - SE-1 SILT FENCE
 - SE-2 SEDIMENT BASIN
 - SE-3 SEDIMENT TRAPS
 - SE-5 FIBER ROLLS
 - SE-6 GRAVEL BAG BERM
 - SE-7 STREET SWEEPING AND VACUUMING
 - SE-9 STRAW BALE BARRIER
 - SE-10 STORM DRAIN INLET PROTECTION
 - SE-13 COMPOST SOCKS AND BERMS
 - TC-1 STABILIZED CONSTRUCTION ENTRANCE/EXIT
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 - NS-10 VEHICLE AND EQUIPMENT MAINTENANCE
 - NS-12 CONCRETE CURING
 - NS-13 CONCRETE FINISHING

LEGEND:

- EC-4 AND EC-7
- 3" AC PAVEMENT OVER 6" CLASS II AGG. BASE OVER 12" COMPACTED SOIL TO 95%
- 2-4" DECOMPOSED GRANITE OVER 12" COMPACTED SOIL TO 95%. SEE DET. 14 ON DWG. 072-13-007A.
- 3" GUNITE OR CONCRETE W6"x6" #10x#10 W.W.M.

NOTES:

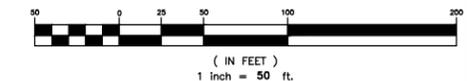
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- SEE DWG. 072-13-002B FOR ADDITIONAL EROSION CONTROL NOTES.

NOTES:

- THIS PLAN GENERATED FROM AERIAL SURVEY AS PROVIDED BY CENTRAL COAST AERIAL MAPPING INC., THEIR FILENAME/DATE - 2011-1719/APRIL 16, 2011. THIS SURVEY COLLECTED IN THE NAD 83, ZONE 5 STATE PLANE COORDINATE SYSTEM.

EXISTING GRADE CONTOUR INTERVAL = 2'-0"
 DESIGN GRADE CONTOUR INTERVAL = 1'-0"

GRAPHIC SCALE



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DWG NUMBER	TITLE
072-13-003A	SITE LOCATION PLAN
072-13-001A	TITLE SHEET/DRAWING INDEX/VICINITY MAP-CIVIL GRADING
	REFERENCE DRAWINGS

TJCROSS ENGINEERS

T.J. CROSS AUTOCAD CONTROL
 SCALE: 1"=50' FILE: 13186/072-13-009C
 PLOT AT: 1=1 LAYER(S):
 ENGINEER: RSD CHANGED BY: RAA
 DATE STARTED: 10/24/13 LAST CHANGED: 02/22/16

DATE	REV	DESCRIPTION	BY	APPR	AERA ENG
02/22/16	2	REISSUED FOR PERMIT (UPDATED PLOT PLAN)	RAA	RSD	EP
08/26/14	1	ISSUED FOR PERMIT (ADDED SLOPE KEY VOL.)	IDU	RSD	EP
08/20/14	0	ISSUED FOR PERMIT	RAA	RSD	EP

AERA

EROSION CONTROL PLAN - STEAM PLANT
 FIELD REDEVELOPMENT PROJECT
 SECTION 30 T9N R32W
 EAST CAT CANYON FIELD - SANTA BARBARA COUNTY - CALIFORNIA

AERA ENGINEER: ERIC PAULSON	DATE: 02/22/16	SCALE: 1" = 50'
CO. ENGINEER: TJCROSS ENGINEERS, INC	ORIGINAL DWG NO.	
PROJ. MGR: ALI GOKGOZ	NO. 072-13-009C	REV. 2
DESIGNED BY: ROBIN DICKERSON		
DRAFTED BY: ROBERT AMARO		
ECCN NO. EAR99	CAD FILE NO. 072-13-009C	