

ATTACHMENT 6

Revised Grading Plans, Outfall 008 (11x17 copy)

The Boeing Company
Santa Susana Field Laboratory
5800 Woolsey Canyon Road
Canoga Park, CA 91304-1148

Hand Delivered

August 17, 2009
In reply refer to SHEA-108977

Ventura County Public Works Agency
800 S. Victoria Avenue
Ventura, CA 93009-1600

Attention: Mr. Jim Myers

Subject: Revised Grading Permit Application Materials, GP 10220, ISRA Remedial
Grading, Santa Susana Field Laboratory, Ventura County, California

Dear Mr. Myers:

The Boeing Company (Boeing) hereby provides the attached Revised Grading Plans, geotechnical reports, and supporting information for the above-referenced grading permit (GP 10220) for Interim Source Removal Action (ISRA) at the Santa Susana Field Laboratory, Ventura County, California. If you have any questions or require anything further, please contact me at 818-466-8741.

Sincerely,



Lori Blair
Project Manager
Santa Susana Field Laboratory
Environment, Health and Safety

Attachments:

- Revised Grading Plans
- Stamped Grading Plan Checklist for Plancheck
- Revised Soil and Geologic Report, Outfall 008 Watershed - ISRA Remedial Grading
- Letter from MWH to Boeing, Acceptance of Revised Soil and Geologic Report
- Response to Ventura County Comments to GP 10220 / Boeing [Santa Susana Field Lab, APN 665-0-005-110], 1st Plan Check
- Revised Storm Water Pollution Prevention Plan (SWPPP) for ISRA, dated August 14, 2009

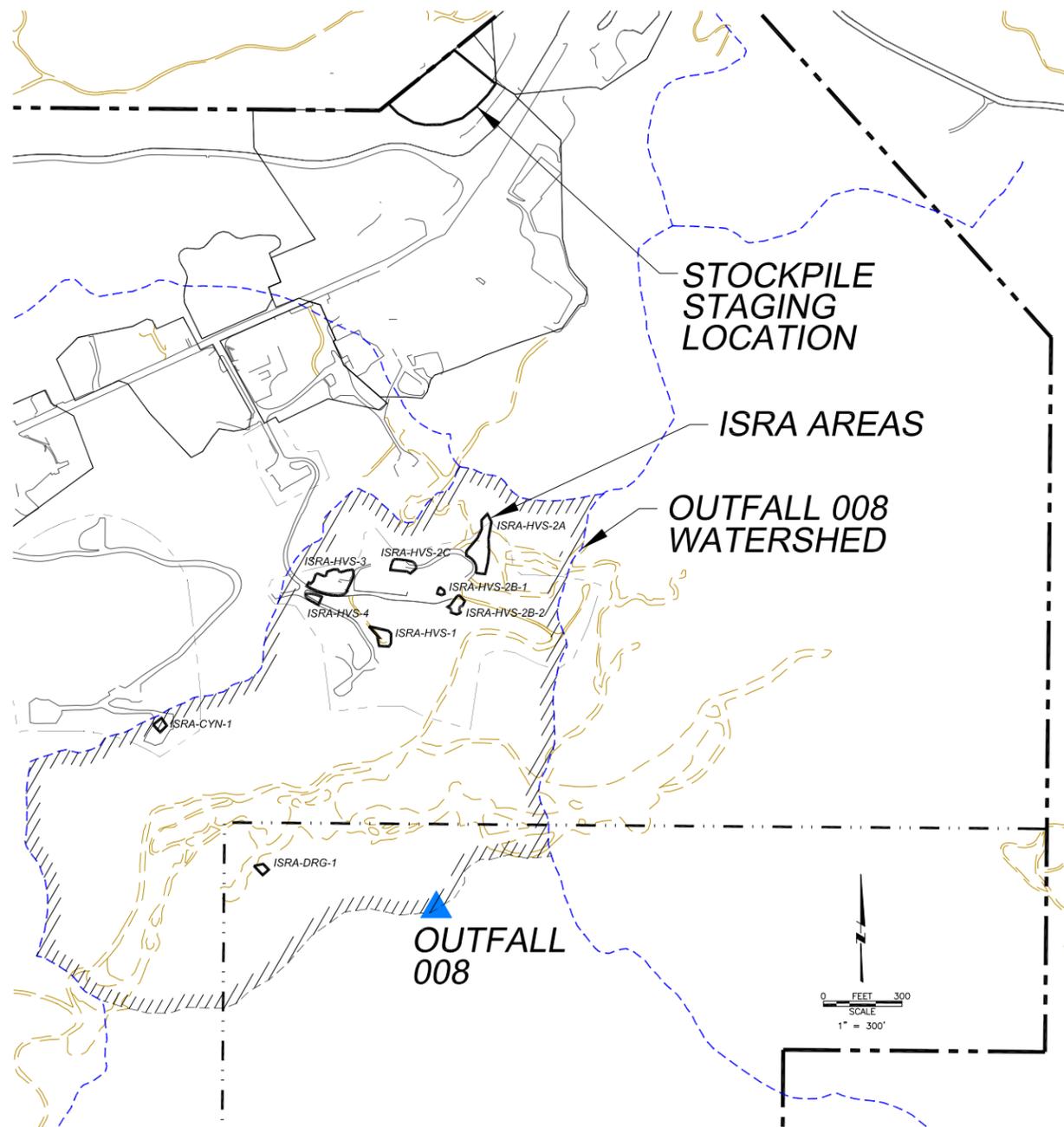
cc: Cassandra Owens, RWQCB - Revised Grading Plans only *ja*
Peter Rafferty, RWQCB - Revised Grading Plans only - *ja*
Buck King, RWQCB - Revised Grading Plans only - *ja*



INTERIM SOURCE REMOVAL ACTIONS - OUTFALL 008 WATERSHED EXCAVATION PLANS

SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA
AUGUST 2009

SIGNED AND STAMPED VERSION
OF GRADING PLANS ON FILE
WITH VENTURA COUNTY



SHEET INDEX

- 1 COVER SHEET
- 2 TITLE, SITE LOCATION, LEGEND AND GENERAL NOTES
- 3 EXCAVATION PLANS: ISRA-HVS-1, ISRA-HVS-2B-1, ISRA-HVS-2B-2, ISRA-HVS-2C, ISRA-HVS-3 & ISRA-HVS-4
- 4 EXCAVATION PLAN: ISRA-HVS-2A
- 5 EXCAVATION PLAN: ISRA-CYN-1
- 6 EXCAVATION PLAN: ISRA-DRG-1
- 7 CIVIL SECTIONS
- 8 TEMPORARY STOCKPILE LOCATION

EARTHWORK QUANTITIES

AREA	GRADED AREA (AC)	CUT/EXPORT- IN SITU (CY)	FILL/IMPORT- IN SITU (CY)	AVERAGE NATURAL SLOPE
CYN-1	0.03	110	110	1%
DRG-1	0.03	90	90	26%
HVS-1	0.08	260	260	20%
HVS-2A	0.25	810	810	21%
HVS-2B-1	0.01	40	40	4%
HVS-2B-2	0.06	180	180	15%
HVS-2C	0.09	280	280	21%
HVS-3	0.27	890	890	23%
HVS-4	0.04	60	60	10%

LEGEND (APPLIES TO SHEETS 3 THROUGH 6)

- ADMINISTRATIVE AREA BOUNDARY
- RFI SITE BOUNDARY
- PREVIOUS REMEDIATION ACTIVITY AREA CONDUCTED UNDER DIRECTION OF DTSC (2003-2004)
- SURFACE WATER DRAINAGE
- SURFACE WATER DIVIDE
- ELEVATION CONTOUR
- ISRA AREA EXCAVATION PLAN
- SURFACE WATER FLOW DIRECTION
- OAK TREE WITHIN ~100 FEET OF AN ISRA EXCAVATION AREA

GENERAL NOTES:

1. CONTRACTOR SHALL EXCAVATE AREAS INDICATED TO MAXIMUM DEPTHS SPECIFIED ON ATTACHED DRAWINGS OR BEDROCK, WHICHEVER IS SHALLOWER.
2. CONTRACTOR SHALL MANAGE, TRANSPORT, AND DISPOSE OF EXCAVATED SOIL IN ACCORDANCE WITH THE ISRA SOIL MANAGEMENT PLAN.
3. EXCAVATION LIMITS SHOWN ON THE DRAWINGS ARE APPROXIMATE. THE ACTUAL LIMITS MAY VARY AS DIRECTED BY THE PROJECT ENGINEER, BASED ON THE RESULTS OF CONFIRMATION SAMPLING.
4. DISTURBED AREAS SHALL BE RESTORED USING LOCAL SOILS, AS NECESSARY AND AS DIRECTED BY THE PROJECT ENGINEER, TO ACHIEVE GRADES THAT WILL PREVENT PONDING OF STORMWATER AND REDUCE THE POTENTIAL FOR EROSION.
5. VEGETATION SHALL BE ESTABLISHED IN DISTURBED SOIL AREAS, AS NECESSARY AND AS DIRECTED BY THE PROJECT ENGINEER.
6. DISTURBED AREAS WILL INCORPORATE BMPs TO PREVENT SOIL PARTICLES FROM BEING TRANSPORTED FROM THE SITE, AS SPECIFIED IN THE ISRA STORM WATER POLLUTION PREVENTION PLAN.
7. ALL WORK WILL BE PERFORMED BETWEEN THE HOURS OF 7 a.m. AND 5 p.m. ON MONDAYS THROUGH FRIDAYS.
8. TOPOGRAPHIC CONTOURS WERE PREPARED BY SAGE CONSULTANTS, JULY 29, 2009.

WDID: 4 19C355816 APN: 685-0-051-120 GP 10,220

REV.	DESCRIPTION OF REVISION	RCE	DATE	APP.	DATE
D					
C					
B					
A					



DRAWING PLOT SIZE = 36" X 22"

APPROVED: COUNTY OF VENTURA

BY: _____
MANAGER, DEVELOPMENT SERVICES

DATE: _____

COUNTY OF VENTURA
PUBLIC WORKS AGENCY
DEVELOPMENT SERVICES

SPEC. NO.

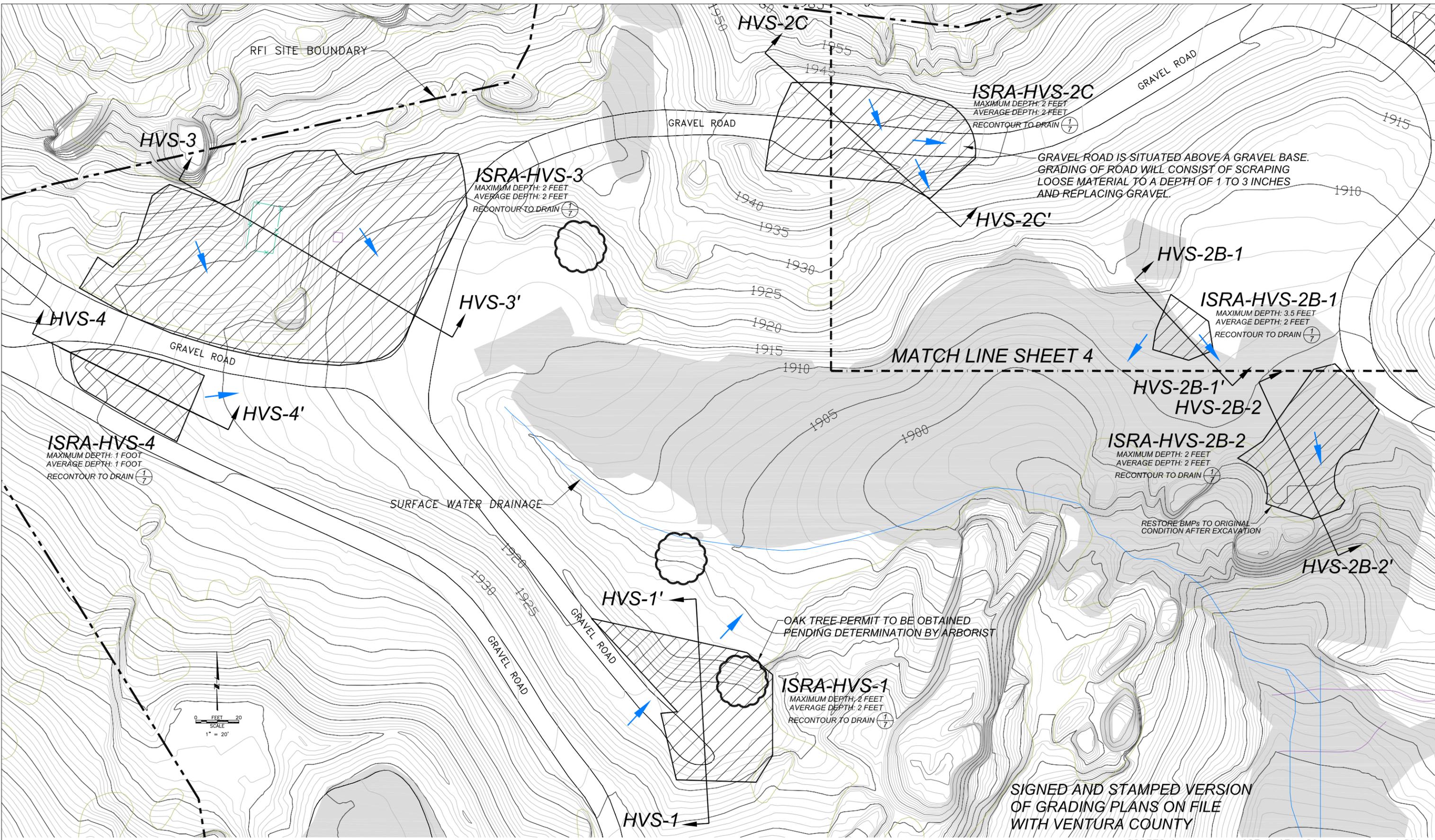
INTERIM SOURCE REMOVAL ACTIONS
OUTFALL 008 WATERSHED EXCAVATION PLANS

PROJ. NO.

TITLE, SITE LOCATION, LEGEND AND GENERAL NOTES

SHEET 2
OF 8

DRAWING NO.



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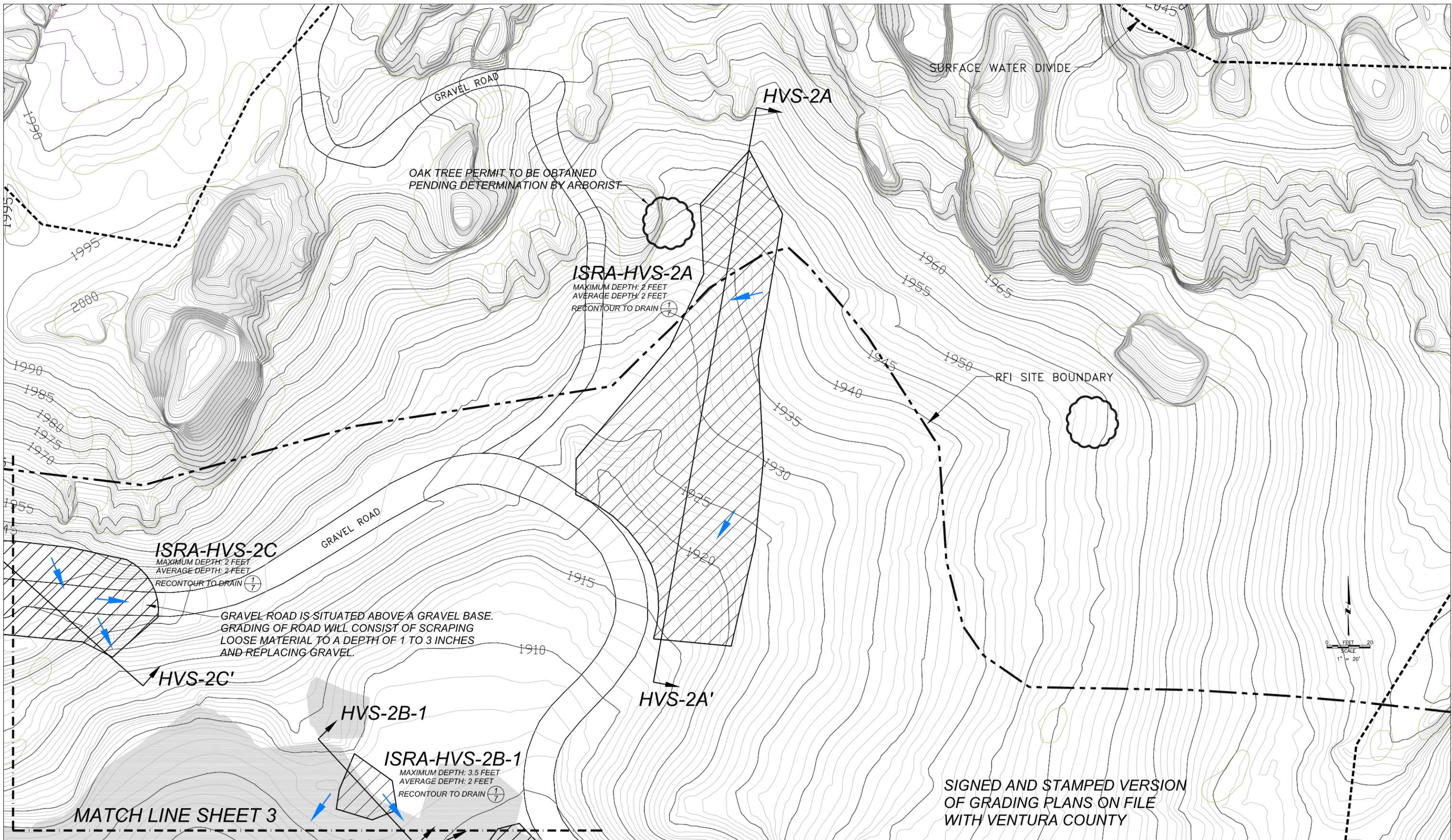
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COUNTY OF VENTURA
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DEVELOPMENT SERVICES

INTERIM SOURCE REMOVAL ACTIONS
OUTFALL 008 WATERSHED EXCAVATION PLANS
EXCAVATION PLANS: ISRA-HVS-1, ISRA-HVS-2B-1,
ISRA-HVS-2B-2, ISRA-HVS-2C, ISRA-HVS-3 & ISRA-HVS-4

SHEET 3
OF 8
DRAWING NO.

REV: APRIL-2009



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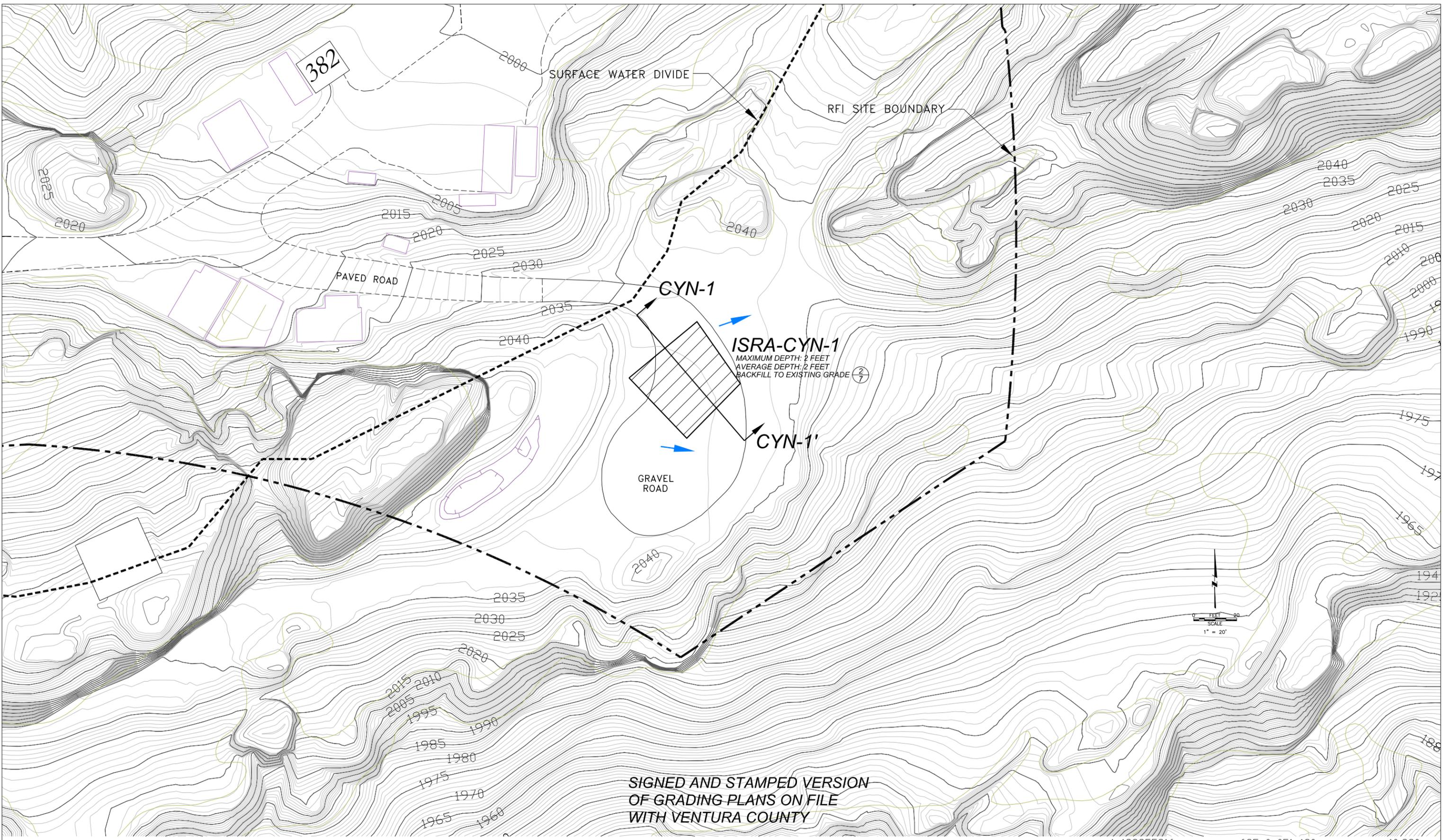
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COUNTY OF VENTURA
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 PROJ. NO.

WDID: 4 19C355816 APN: 685-0-051-120 GP 10,220
 INTERIM SOURCE REMOVAL ACTIONS
 OUTFALL 008 WATERSHED EXCAVATION PLANS
 EXCAVATION PLAN: ISRA-HVS-2A

SHEET 4
 OF 8
 DRAWING NO.



**SIGNED AND STAMPED VERSION
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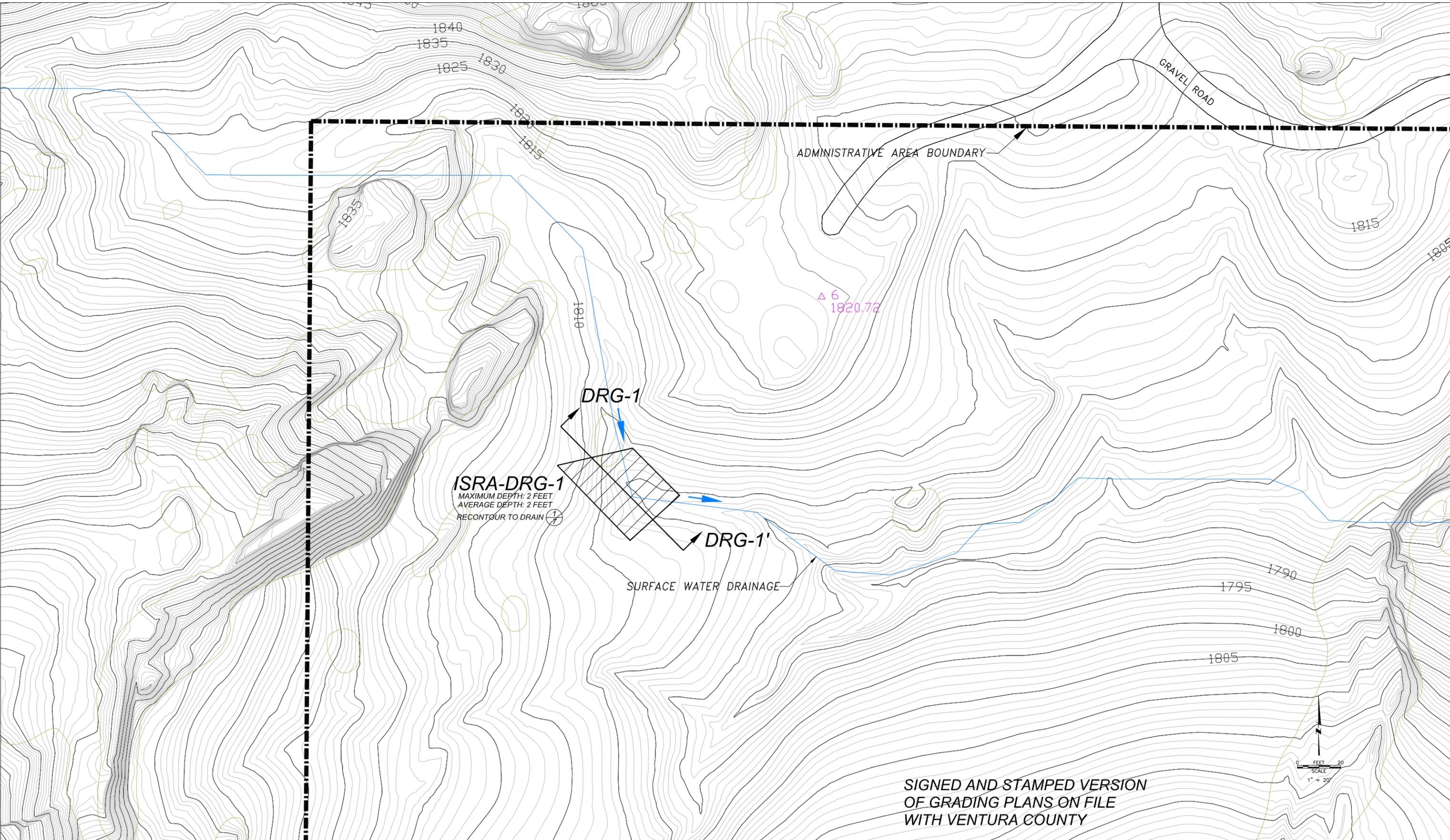
COUNTY OF VENTURA
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SPEC. NO.
PROJ. NO.

INTERIM SOURCE REMOVAL ACTIONS
OUTFALL 008 WATERSHED EXCAVATION PLANS
EXCAVATION PLAN: ISRA-CYN-1

SHEET 5
OF 8
DRAWING NO.

REV. APRIL-2009



ISRA-DRG-1
 MAXIMUM DEPTH: 2 FEET
 AVERAGE DEPTH: 2 FEET
 RECONTOUR TO DRAIN $\frac{1}{7}$

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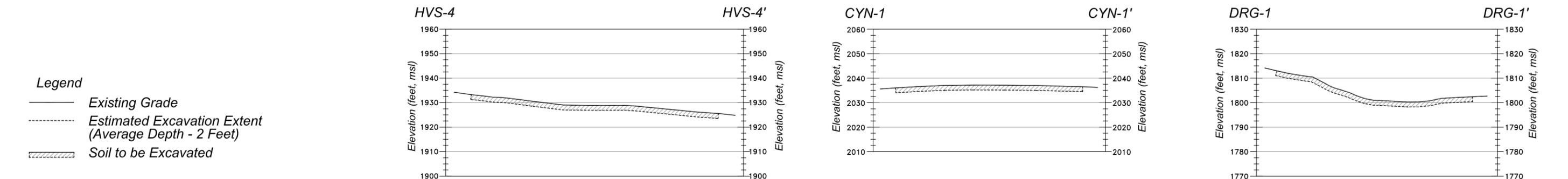
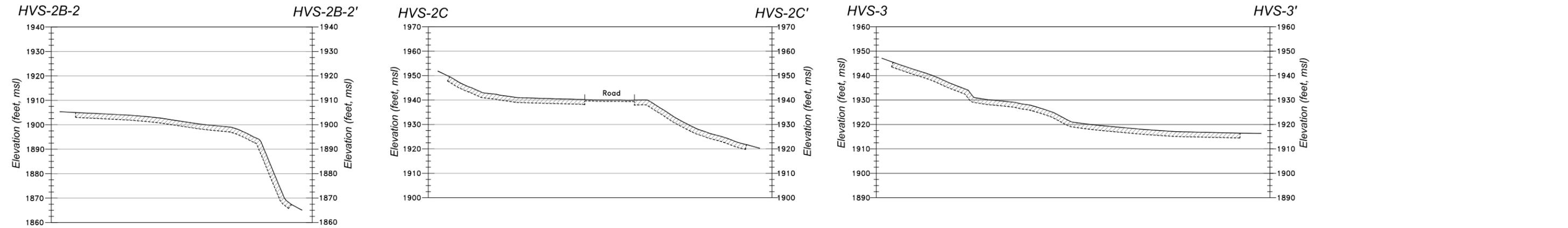
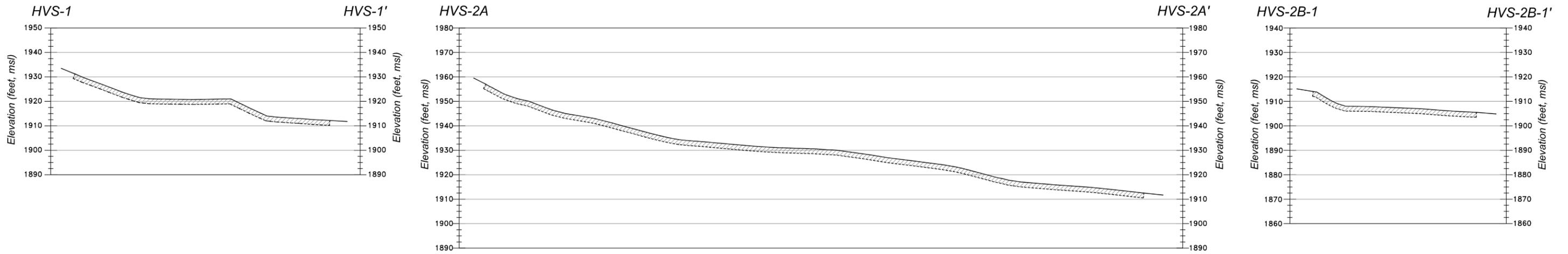
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EXCAVATION PLAN: ISRA-DRG-1

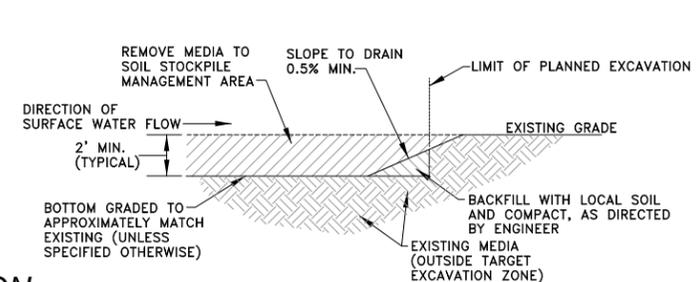
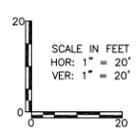
SHEET **6**
 of **8**
 DRAWING NO. _____



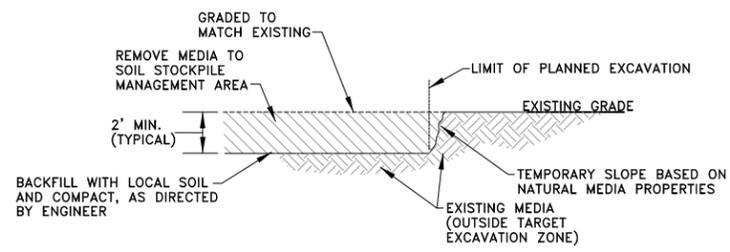
Legend

- Existing Grade
- - - Estimated Excavation Extent (Average Depth - 2 Feet)
- ▨ Soil to be Excavated

Note:
Depth of Excavations Indicated on Plans (Sheets 3 Through 6).



1 TYPICAL EXCAVATION NO OR PARTIAL BACKFILL DETAIL NOT TO SCALE



2 TYPICAL EXCAVATION BACKFILL DETAIL NOT TO SCALE

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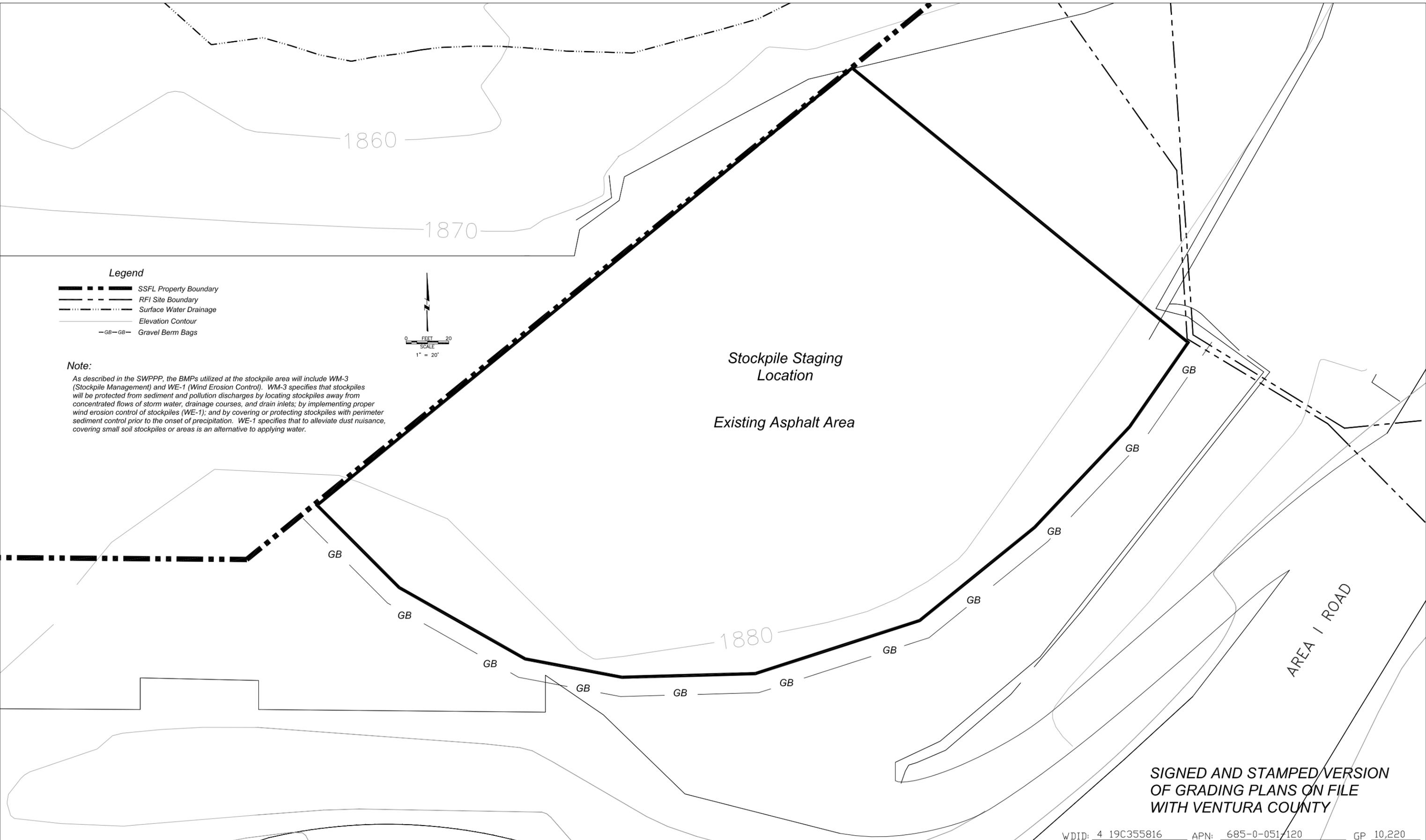
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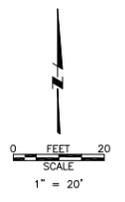
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INTERIM SOURCE REMOVAL ACTIONS
OUTFALL 008 WATERSHED EXCAVATION PLANS
CIVIL SECTIONS

SHEET 7 OF 8
DRAWING NO. _____



Legend

- SSFL Property Boundary
- RFI Site Boundary
- Surface Water Drainage
- Elevation Contour
- Gravel Berm Bags



Note:

As described in the SWPPP, the BMPs utilized at the stockpile area will include WM-3 (Stockpile Management) and WE-1 (Wind Erosion Control). WM-3 specifies that stockpiles will be protected from sediment and pollution discharges by locating stockpiles away from concentrated flows of storm water, drainage courses, and drain inlets; by implementing proper wind erosion control of stockpiles (WE-1); and by covering or protecting stockpiles with perimeter sediment control prior to the onset of precipitation. WE-1 specifies that to alleviate dust nuisance, covering small soil stockpiles or areas is an alternative to applying water.

Stockpile Staging Location
Existing Asphalt Area

AREA 1 ROAD

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INTERIM SOURCE REMOVAL ACTIONS
OUTFALL 008 WATERSHED EXCAVATION PLANS
TEMPORARY STOCKPILE LOCATION

SHEET 8
OF 8
DRAWING NO.