

ROBERT MONDAVI PROPERTIES, INC.

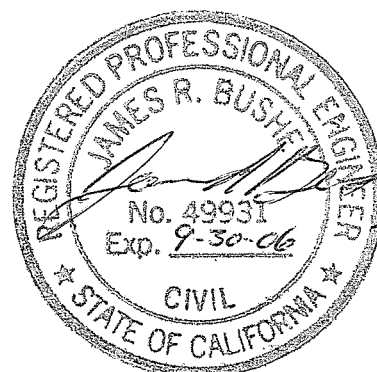
SUSCOL SPRINGS VINEYARD

EROSION CONTROL PLAN

SPECIFICATIONS

REVISED

FEBRUARY 1, 2005



ECPA# 99323-

APPROVED

CONSERVATION, DEVELOPMENT, AND PLANNING
DEPARTMENT

DATE: 28 MAR 05

BY: MDAYCE

PREPARED BY:

PAGE _____ OF _____

PPI ENGINEERING
1802 SOSCOL AVENUE
NAPA, CALIFORNIA 94559
(707) 253-1806

ROBERT MONDAVI PROPERTIES, INC.

SUSCOL SPRINGS VINEYARD

EROSION CONTROL PLAN

REVISED FEBRUARY 1, 2005

Napa County
Resource Conservation District

Finds

Plan # 99323-ELPA

Technically Adequate for Erosion and
Sediment Control

by

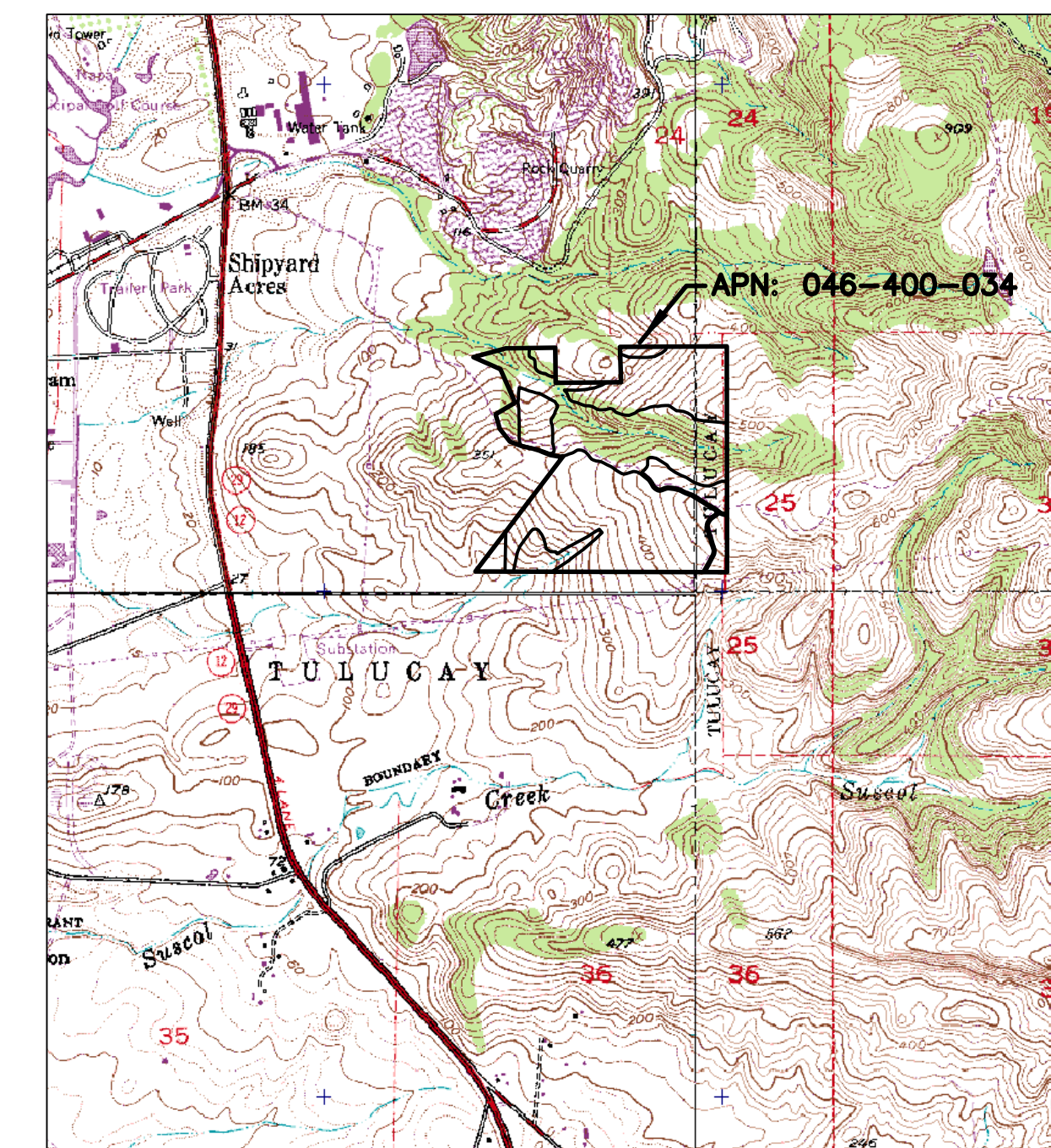
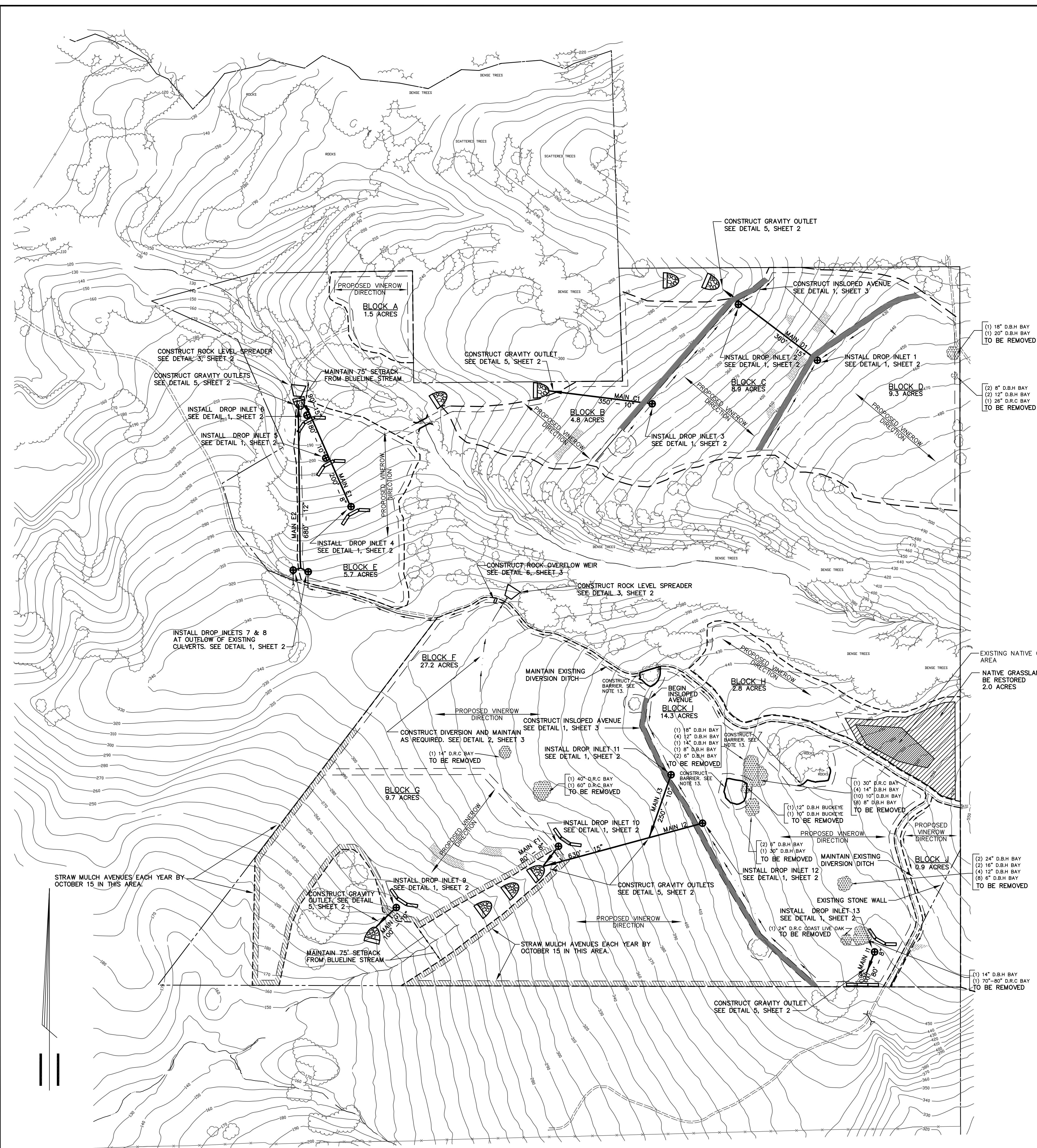
consistent w/ findings

5/25/00

Richard A. Steiner

Date 2/10/05

PPI
ENGINEERING



VICINITY MAP
USGS NAPA & MT GEORGE QUADRANGLES
TOWNSHIP 5 N., RANGE 4 W.
SCALE: 1" = ±2000'

LEGEND

- | | |
|--|---|
| | APPROXIMATE PARCEL BOUNDARY |
| | PROPOSED DEVELOPMENT AREA |
| | BLUE-LINE STREAM PER USGS MAP |
| | EXISTING STONE WALL |
| | PROPOSED SURFACE DRAINAGE MAINLINE |
| | PROPOSED DROP INLET – SEE DETAIL 1, SHEET 2 |
| | STRAW BALE DIKE – SEE DETAIL 4, SHEET 2 |
| | PROPOSED DIVERSION DITCH FLOWLINE |
| | EXISTING DIVERSION DITCH FLOWLINE |
| | EXISTING DRAINAGE CULVERT |
| | ROCK SLOPE PROTECTION |
| | ROCK LEVEL SPREADER – SEE DETAIL 3, SHEET 2 |
| | ROCK SEDIMENT BASIN – SEE DETAIL 2, SHEET 2 |
| | EXISTING NATIVE GRASS AREA |
| | NATIVE GRASSLAND TO BE RESTORED |
| | STRAW MULCH AVENUE EVERY YEAR |
| | INSLOPED AVENUE – SEE DETAIL 1, SHEET 3 |
| | AREA WHERE GROUND SLOPE IS 30% OR GREATER (NO AREA GREATER THAN 0.1 ACRES) |
| | EXISTING ROAD |
| | PROPOSED AVENUE |
| | PROPOSED BRIDGE |


TREE IDENTIFICATION LEGEND

- TREES TO BE REMOVED (66 TOTAL)**
- QUANTITY →

(1) 6" D.B.H. BUCKEYE

TYPE OF TREE

SIZE AND METHOD OF MEASUREMENT
- D.B.H
D.R.C



DIAMETER BREAST HEIGHT
DIAMETER ROOT COLLAR

TREES TO BE REMOVED



| REV. NO. | DESCRIPTION | BY | DATE |
|----------|--|-----|----------|
| 1 | THIS DRAWING SUPERSEDES DRAWING 9913301A, REVISED TREE DATA, EXISTING ROAD BETWEEN BLOCKS A AND E DRAWN IN, ADDED PROPOSED AVENUE AND BRIDGE BETWEEN BLOCKS B AND E, ADJUST WINEYARD BLOCK BOUNDARIES TO AVOID NATIVE GRASS AREAS. | SJD | 7/7/03 |
| 2 | THIS DRAWING SUPERSEDES DRAWING NUMBER 9913301I, MODIFIED BLOCK 10 TO REMOVE NATIVE GRASSLAND AREA FROM DEVELOPMENT LIMITS. ADDED BARRIERS TO BLOCK I AND ADDED NOTE 13. | JJV | 11/29/03 |
| 3 | MODIFIED FOR CONFORMANCE WITH PROVISIONS OF RESOURCE CONSERVATION ALTERNATIVE PER FEIR DATED JANUARY, 2004. | RAL | 2/1/05 |

NOTES:

1. OWNER: ROBERT MONDAVI PROPERTIES, INC.
841 LATOUR COURT, NAPA CA 94558
2. SITE ADDRESS: NO SITE ADDRESS
APN: 046-400-034
3. EXISTING VEGETATION CONSISTS OF ANNUAL GRASSES AND MIXED TREES AND SHRUBS.
4. NAPA COUNTY SCS SOIL SURVEY MAPS THE PROJECT AREA AS HAMBRIGHT ROCK OUTCROP 30 TO 75 PERCENT SLOPES.
5. VINEYARD DEVELOPMENT SHALL TAKE PLACE IN ONE PHASE AS SHOWN ON THE SITE PLAN. SITE DEVELOPMENT SHALL BEGIN AFTER APRIL 1 OF THE CONSTRUCTION YEAR. SITE GRADING AND EROSION CONTROL MEASURES SHALL BE INSTALLED BY OCTOBER 15 OF THE CONSTRUCTION YEAR.
6. PERMANENT COVER CROP (NO-TILL):
ALL DISTURBED AREAS AND ALL AVENUES SHALL BE SEEDDED WITH A PERMANENT, NO-TILL COVER CROP PRIOR TO OCTOBER 15 OF THE YEAR OF CONSTRUCTION. THIS COVER CROP WILL BE GENERATED BY SEEDING WITH THE FOLLOWING MIX:

| <u>VARIETY</u> | <u>RATE (LBS/ACRE)</u> |
|----------------|------------------------|
| BARLEY | 50 |
| ZORRO FESCUE | 12 |
| ROSE CLOVER | 12 |

THE PERMANENT COVER CROP WILL BE MANAGED EACH YEAR SUCH THAT ANY AREAS WHICH HAVE LESS THAN 70% VEGETATIVE COVER WILL BE RESEEDED WITH THE FESCUE AND CLOVER SEED ONLY AND MULCHED UNTIL ADEQUATE COVER IS ACHIEVED.

THE PERMANENT COVER CROP SHALL BE MOWED ONLY AND SHALL NOT BE DISCED.

3. STRAW MULCH SHALL BE APPLIED TO ALL DISTURBED AREAS. STRAW MULCH SHALL BE APPLIED AT A RATE OF 3000 LBS/ACRE BY OCTOBER 15 OF THE YEAR OF CONSTRUCTION.
4. UNLESS OTHERWISE NOTED, ALL AVENUES SHALL CONFORM TO THE NATURAL GRADE.
5. AT LEAST 48 HOURS PRIOR TO EXCAVATING, THE CONTRACTOR SHALL CALL UNDERGROUND SERVICES ALERT (U.S.A.) AT 1-800-642-2444 IN ORDER TO LOCATE EXISTING UTILITIES.
6. PROPERTY LINES AS SHOWN ARE APPROXIMATE. OWNER SHALL BE RESPONSIBLE FOR SURVEYING PROPERTY LINE(S) AS NECESSARY PRIOR TO ANY SITE DISTURBANCE.
7. THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS. IT IS THE OWNER'S RESPONSIBILITY TO INSTALL ALL STRUCTURAL MEASURES AS SHOWN ON THE SITE PLAN AND DETAILS AND AS DESCRIBED IN THE SPECIFICATIONS WITHIN THE TIME FRAMES AS SPECIFIED FOR THIS PROJECT. ANY DEVIATION FROM THESE PLANS MUST BE REVIEWED AND APPROVED BY NAPA COUNTY CONSERVATION, DEVELOPMENT AND PLANNING DEPARTMENT. IT IS THE OWNERS RESPONSIBILITY TO INITIATE THIS MODIFICATION PROCESS.
8. CONSTRUCT CUTOFF COLLARS AS SHOWN IN DETAIL 5, SHEET 3. COLLARS SHALL BE SPACED AS FOLLOWS:

| | |
|--|--|
| <u>GROUND SLOPE</u> 0-5% 6%-15% 16% AND GREATER | <u>COLLAR SPACING</u> NONE REQUIRED 200 FEET 100 FEET |
|--|--|
9. OWNER SHALL CONSTRUCT A FENCE, ROCK WALL, OR OTHER BARRIER A MINIMUM OF 3 FEET IN HEIGHT TO PROHIBIT VEHICULAR TRAFFIC FROM ENTERING THE AREAS SHOWN ON THIS PLAN.
10. ALL TREES ARE TO BE PRESERVED UNLESS OTHERWISE NOTED.

ROBERT MONDAVI PROPERTIES, INC.
SUSCOL SPRINGS VINEYARD

SUSCOL SPRINGS VINEYARD

EROSION CONTROL PLAN

SITE PLAN

DESIGN ENGINEER:

J. TERRY, B. EDWARDS

| | |
|--------|--|
| SCALE: | |
|--------|--|

 $1'' = 200$

| | |
|-------------------------|---------------------|
| <p>DRAWN BY:</p> | <p>DATE:</p> |
|-------------------------|---------------------|

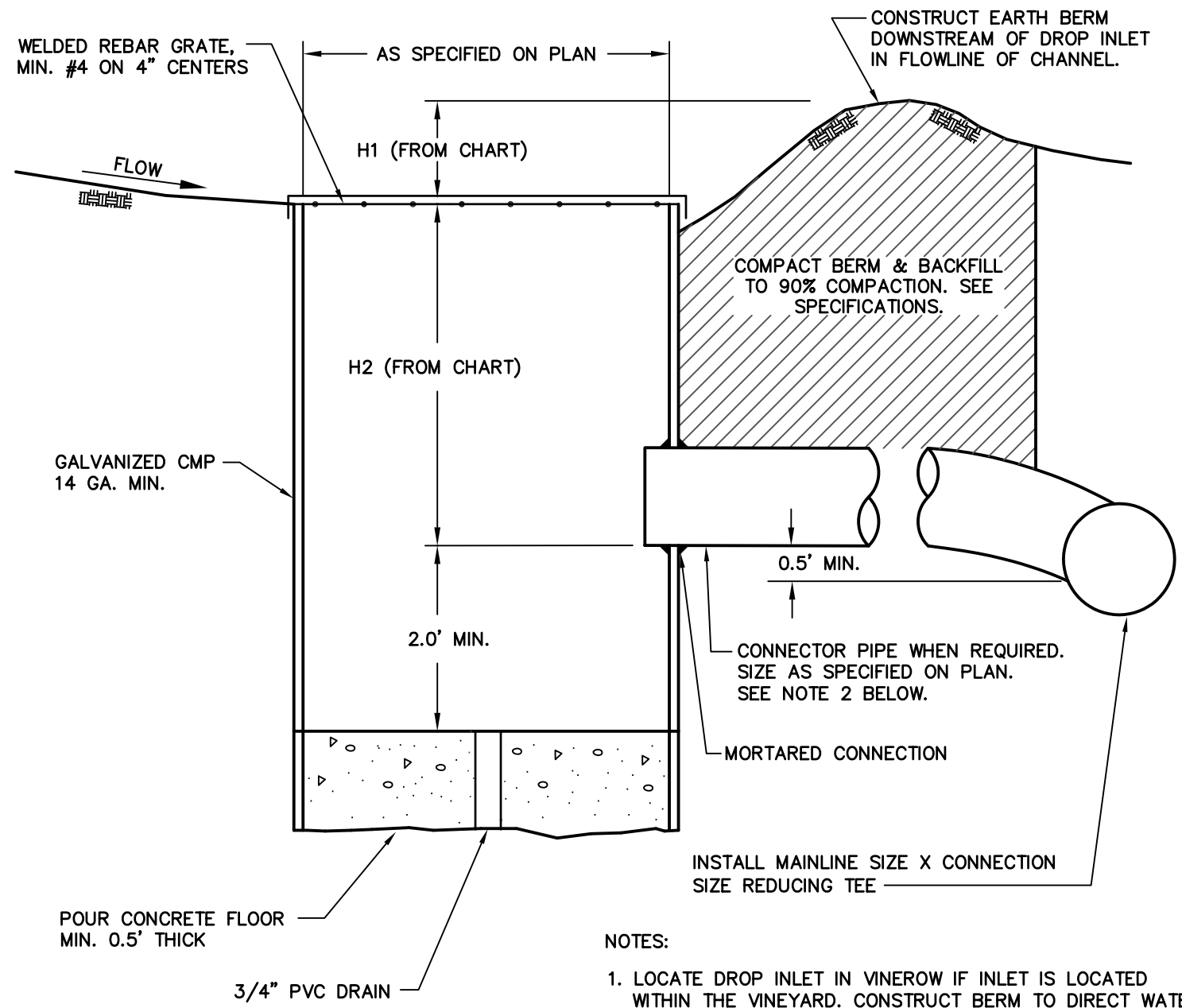
BP, JT, SD, JV, RL

DATE:

2-1-05

| | |
|--------|---|
| SHEET: | 1 |
|--------|---|

OF: 3

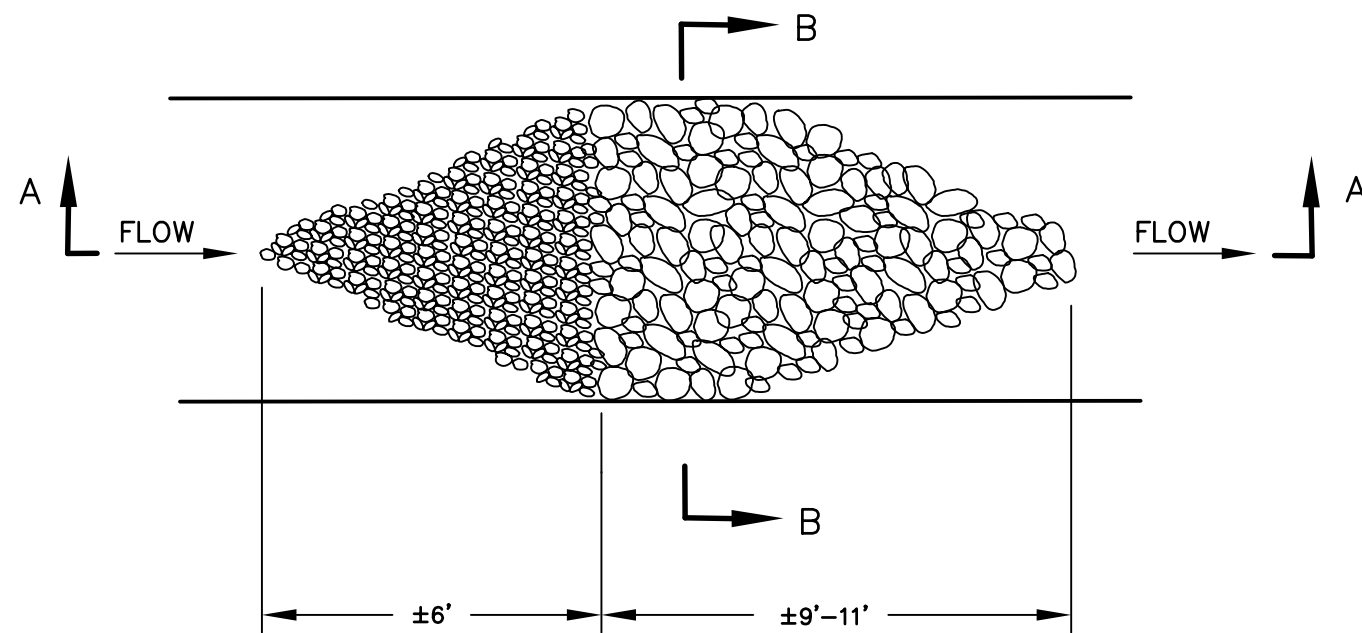
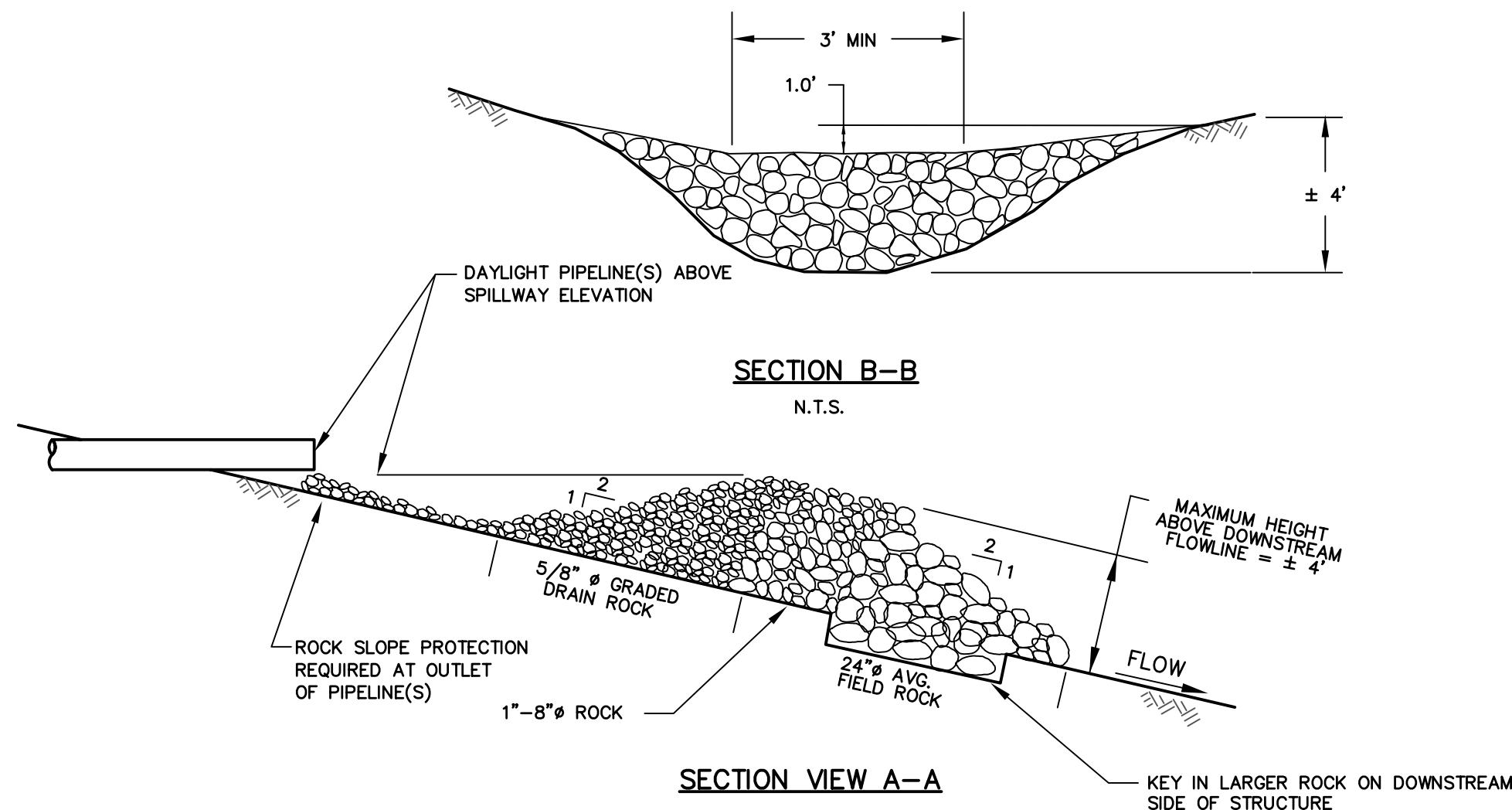


- NOTES:
1. LOCATE DROP INLET IN VINEYARD IF INLET IS LOCATED WITHIN THE VINEYARD. CONSTRUCT BERM TO DIRECT WATER TO DROP INLET.
 2. NO ADDITIONAL CONNECTOR PIPE SHALL BE REQUIRED WHERE THE INLET IS LOCATED AT UPPER END OF ALL MAINLINES. MAINLINE SIZES AS SPECIFIED SHALL CONNECT DIRECTLY TO DROP INLET.

| DROP INLET TABLE | | | | | |
|------------------|---------|---------|----------|--------------------------|---------------------------|
| MAIN | D. I. # | RISER Ø | OUTLET Ø | MINIMUM HEAD ON RISER H1 | MINIMUM HEAD ON OUTLET H2 |
| D1 | 1 | 24" | 15" | 1.0' | 4.5' |
| D1 | 2 | 24" | 15" | 1.0' | 4.5' |
| C1 | 3 | 18" | 10" | 1.0' | 2.0' |
| E1 | 4 | 18" | 8" | 1.0' | 2.0' |
| E1 | 5 | 18" | 8" | 1.0' | 2.0' |
| E1 | 6 | 18" | 12" | 1.0' | 4.0' |
| E2 | 7 | 24" | 12" | 1.5' | 2.0' |
| E2 | 8 | 24" | 12" | 1.5' | 2.0' |
| G1 | 9 | 18" | 10" | 1.0' | 3.0' |
| F1 | 10 | 18" | 8" | 1.0' | 4.0' |
| I2 | 11 | 36" | 15" | 1.0' | 4.5' |
| I3 | 12 | 18" | 10" | 1.0' | 4.0' |
| I1 | 13 | 18" | 8" | 1.0' | 3.0' |

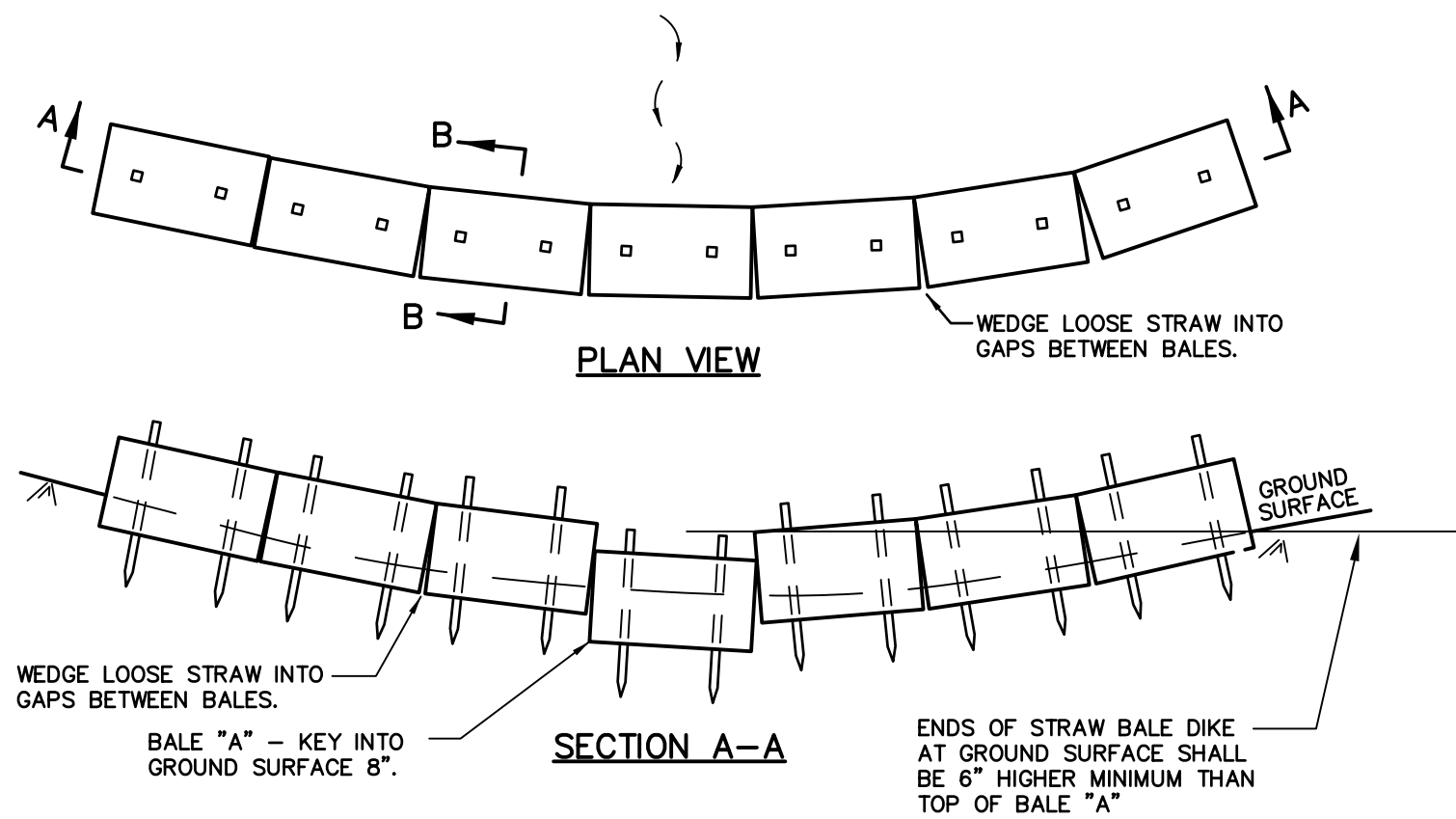
1 STANDARD DROP INLET

N.T.S.



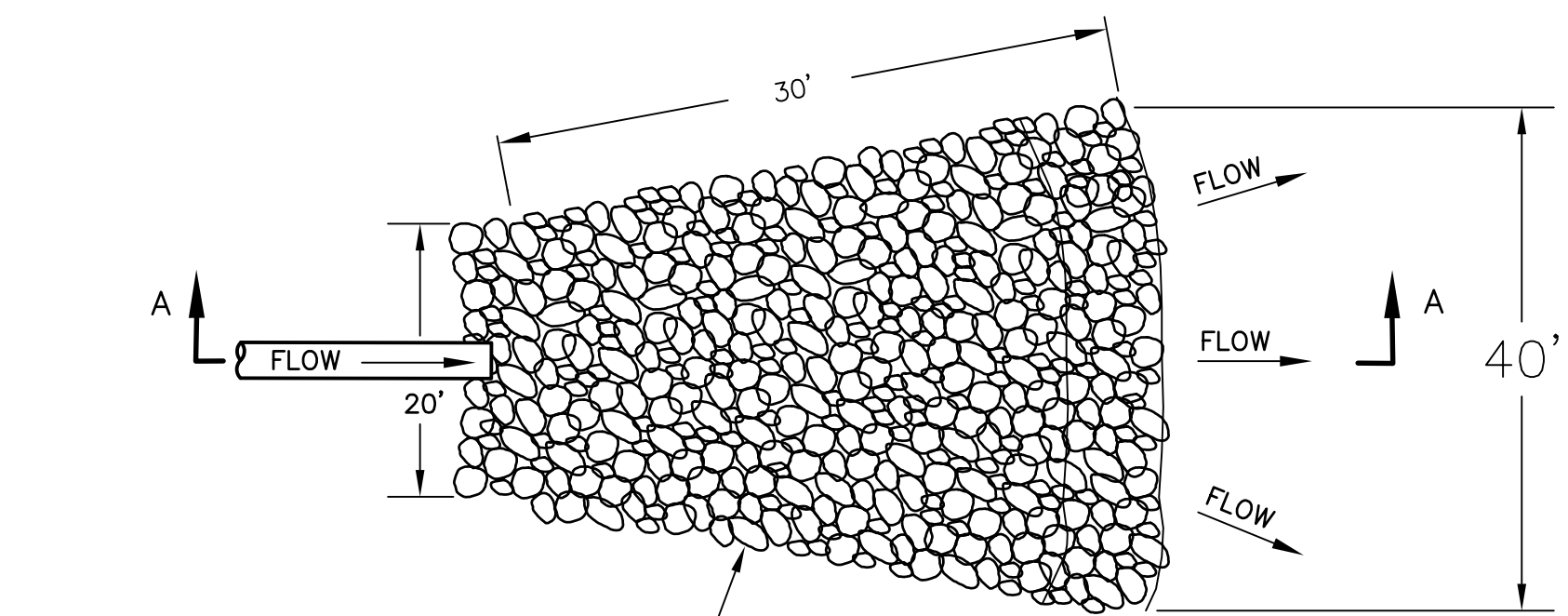
2 ROCK SEDIMENT BASIN

N.T.S.



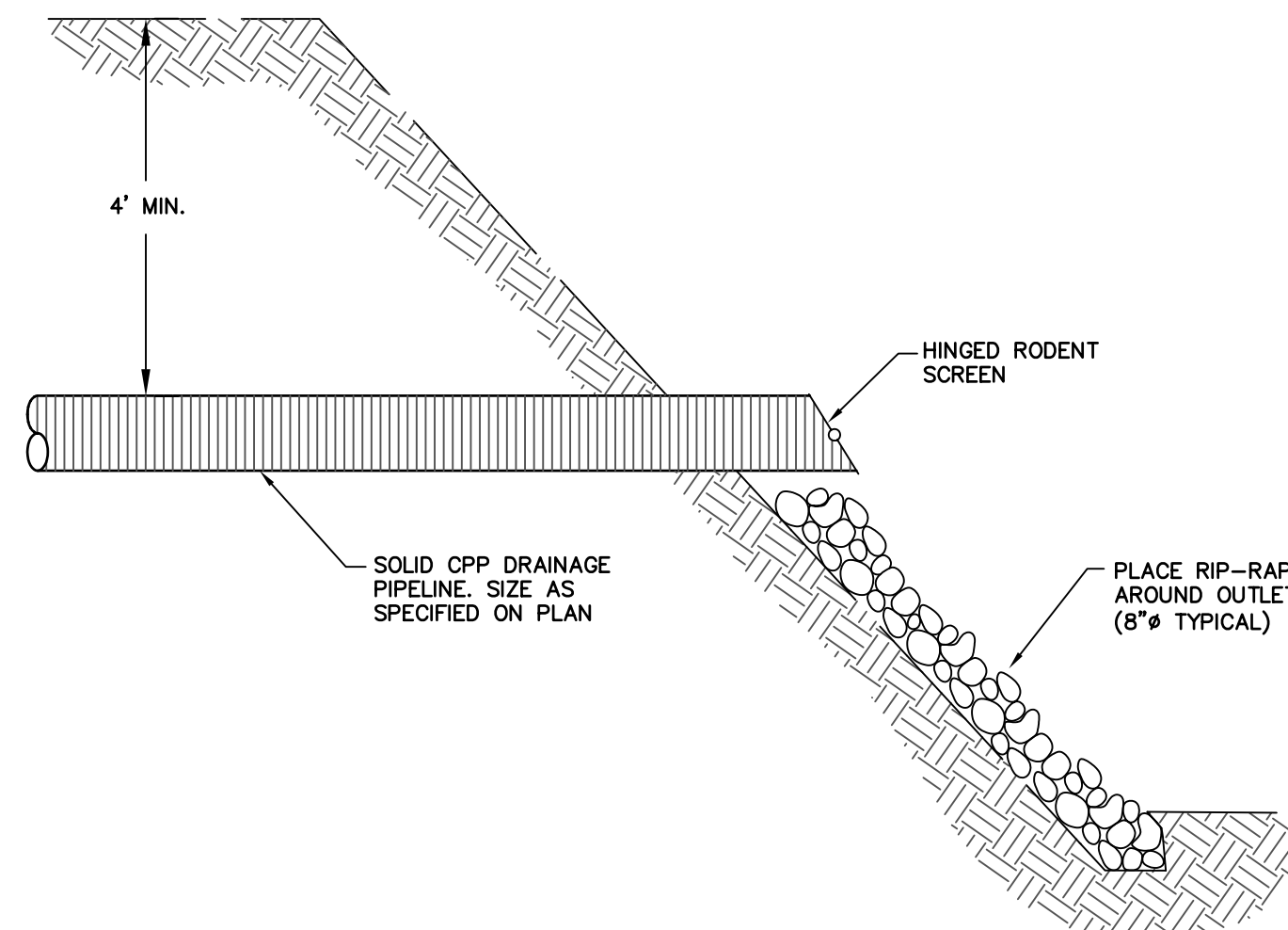
4 STRAW BALE DIKE INSTALLATION

N.T.S.



3 ROCK LEVEL SPREADER

N.T.S.



5 GRAVITY OUTLET

N.T.S.

DETAILS THIS SHEET:

1. STANDARD DROP INLET
2. ROCK SEDIMENT BASIN
3. ROCK LEVEL SPREADER
4. STRAW BALE DIKE
5. GRAVITY OUTLET

ROBERT MONDAVI PROPERTIES, INC.
SUSCOL SPRINGS VINEYARD

EROSION CONTROL PLAN
DETAILS

DESIGN ENGINEER:
J. TERRY, B. EDWARDS

PPI
ENGINEERING

1802 SUSCOL AVENUE
NAPA, CA 94559
707/253-1808 FAX 707/253-1804

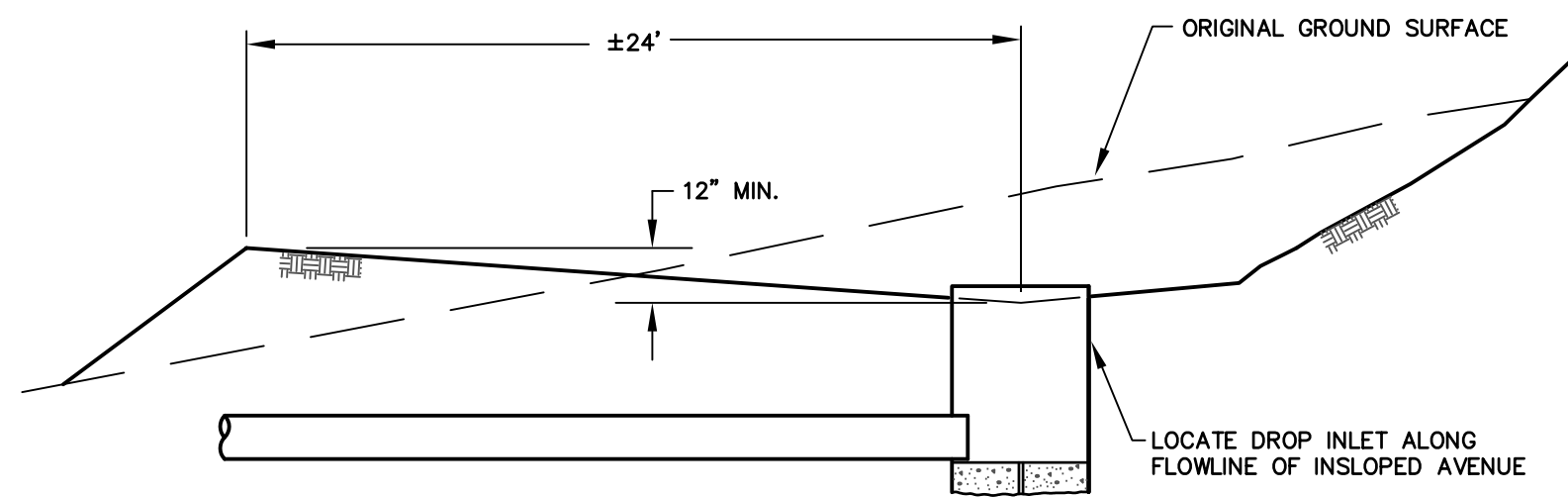
JOB NO: 9913301
DWG. NO: 9913301J

SCALE:
AS SHOWN

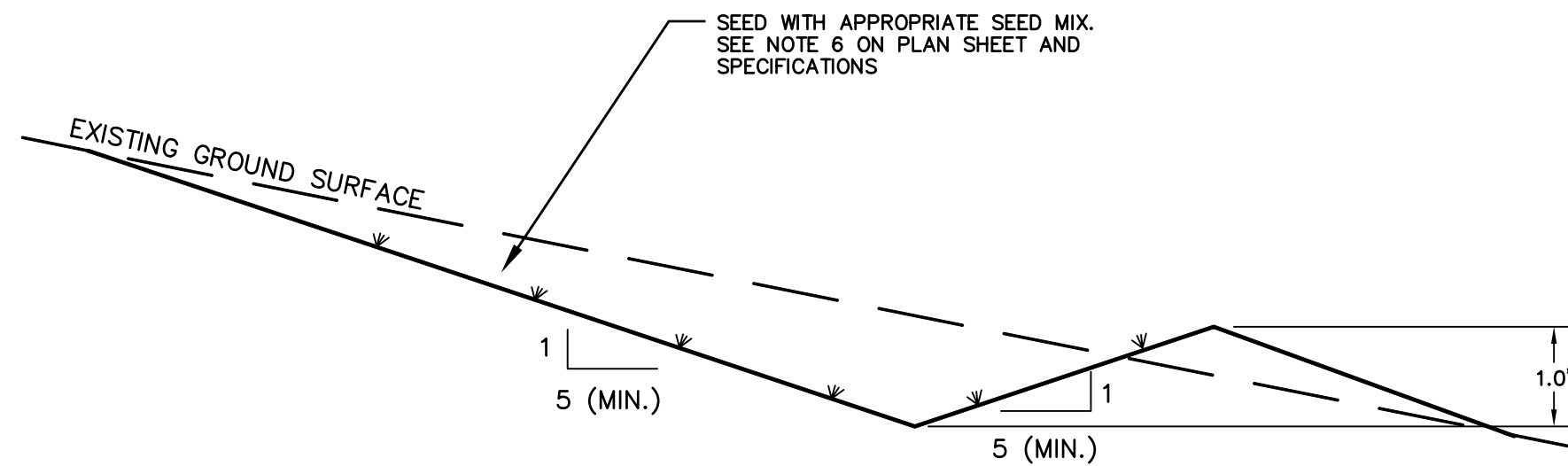
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BP, JT, SD, JV, RL

DATE:
2-1-05

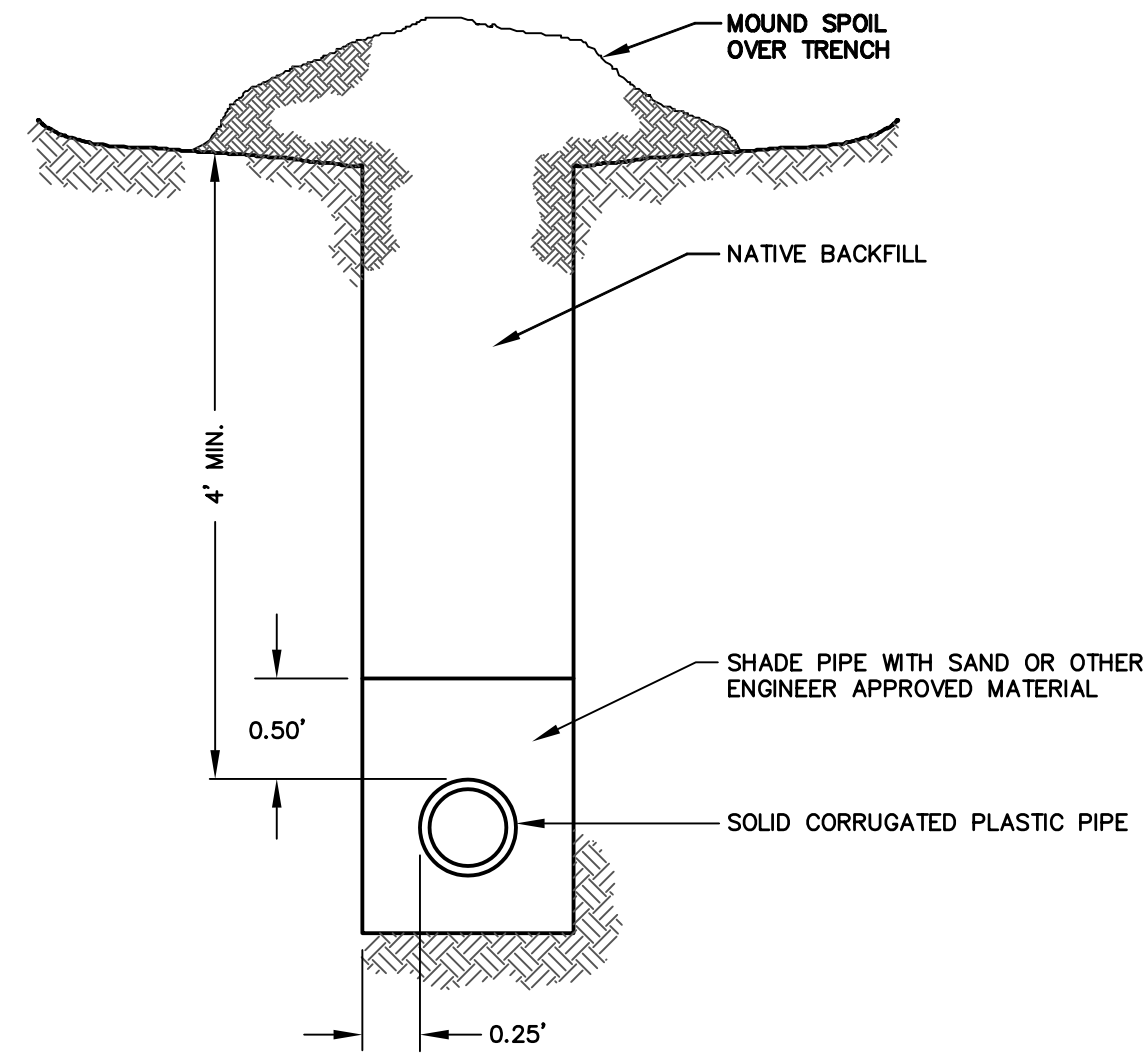
SHEET: 2
OF: 3



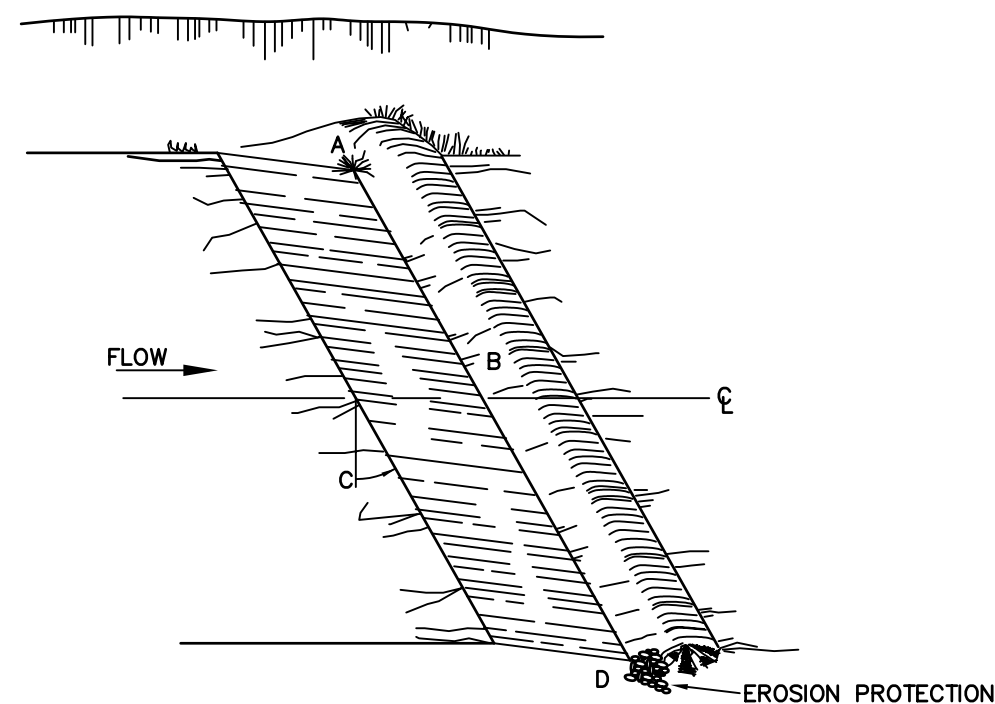
1
3 INSLOPED AVENUE
N.T.S.



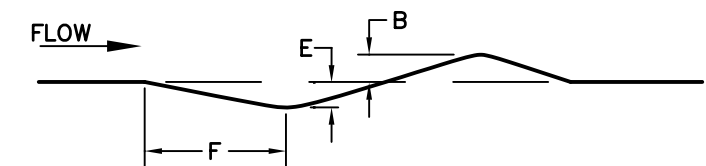
2
3 VINEYARD DIVERSION
N.T.S.



3
3 SURFACE DRAINAGE PIPELINE
N.T.S.



ISOMETRIC

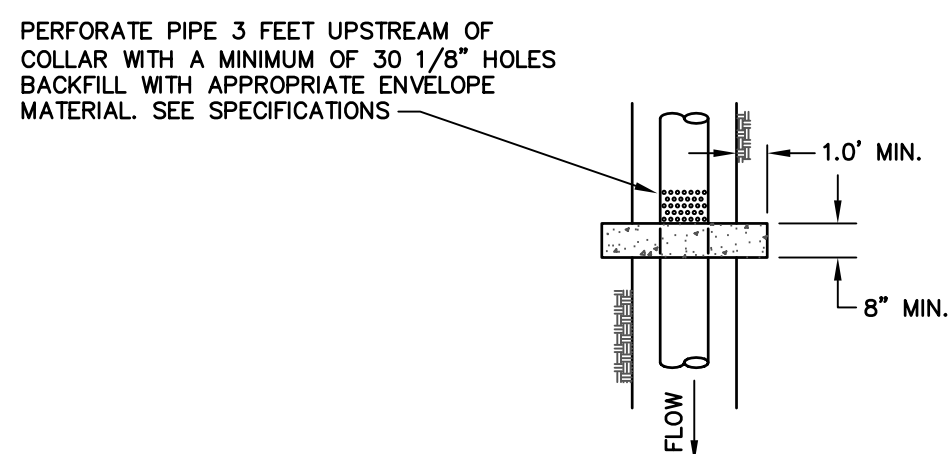


CROSS SECTION

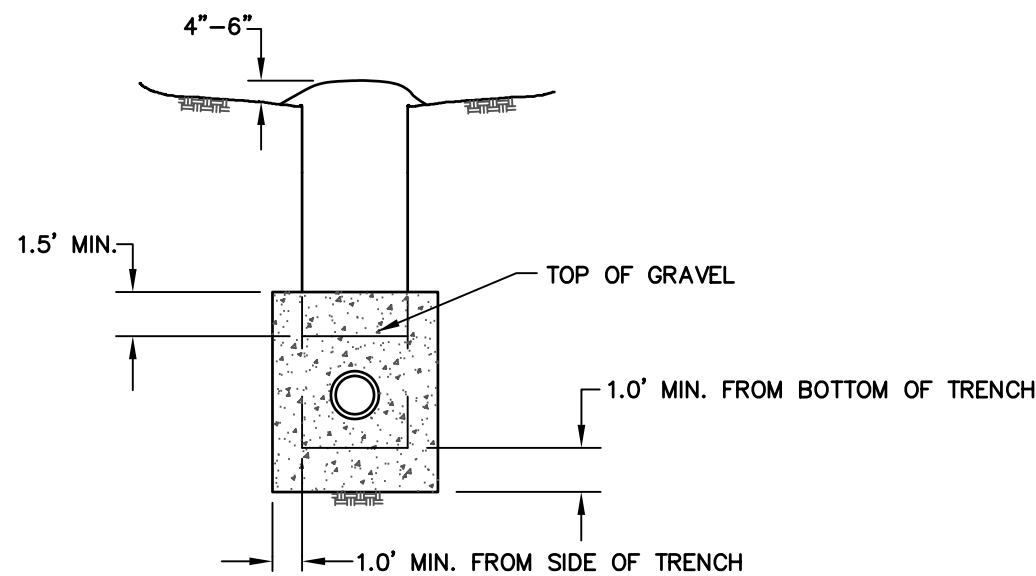
NOTES:

1. WATERBAR CONSTRUCTION FOR LITTLE OR NO TRAFFIC. SPECIFICATIONS ARE AVERAGE AND MAY BE ADJUSTED TO CONDITIONS.
2. A, TIE-IN TO BANK.
3. B, CROSS DRAIN BERM HEIGHT 4 TO 6 INCHES ABOVE THE ROAD.
4. ANGLE DRAIN 30 TO 45 DEGREES DOWNGRADE WITH ROAD CENTERLINE, C.
5. D, DRAIN OUTLET CUT 8 TO 16 INCHES INTO ROADBED.
6. E, DEPTH 4 TO 6 INCHES.
7. F, 3 TO 4 FEET.

4
3 WATERBAR FOR VEHICULAR TRAFFIC
N.T.S.

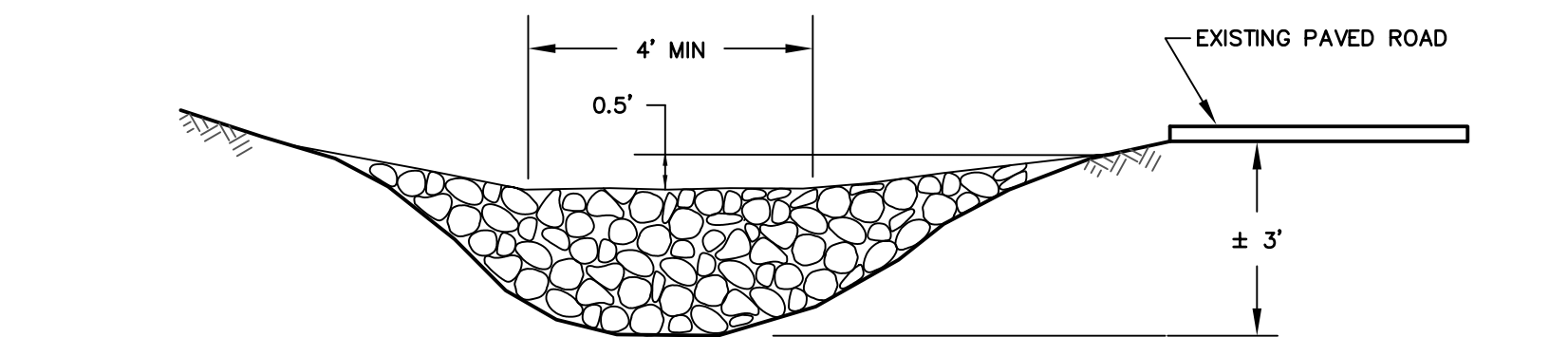


PLAN VIEW



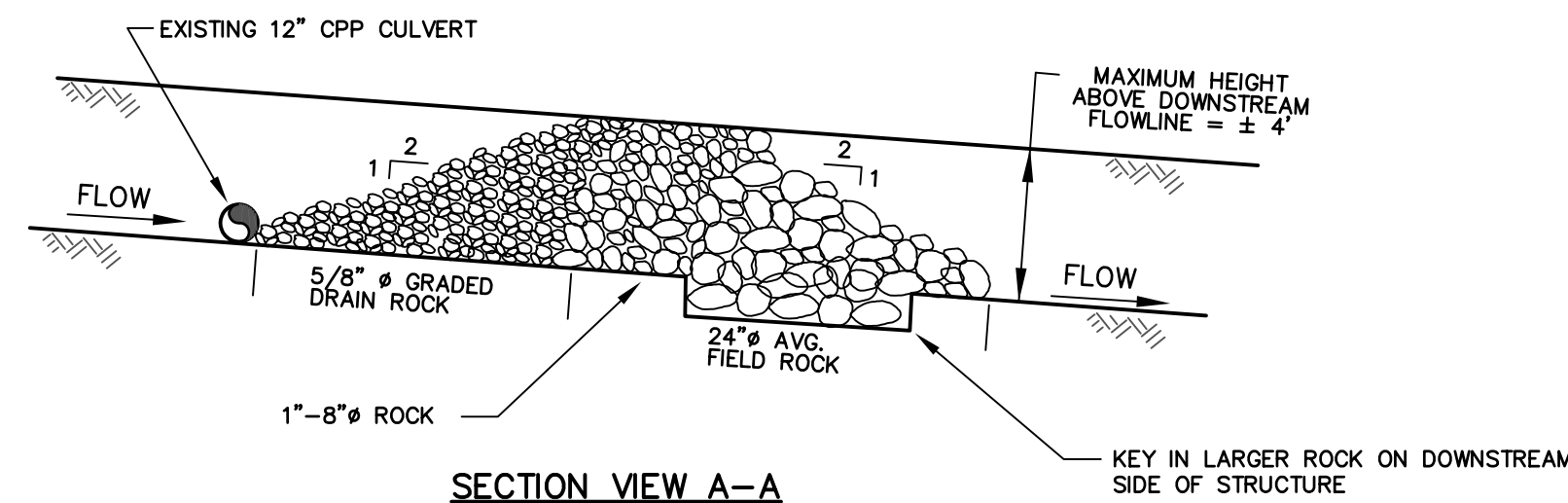
X-SECTION

5
3 CUTOFF COLLAR
N.T.S.

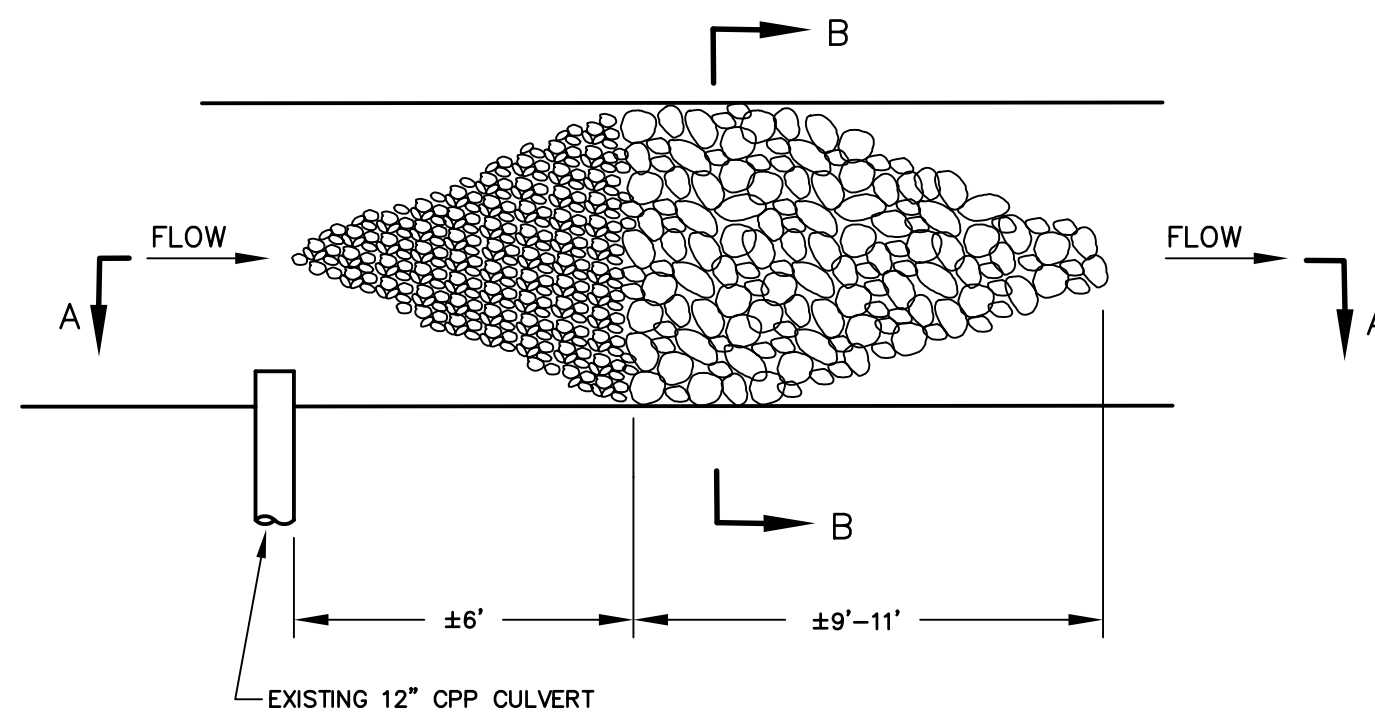


SECTION B-B

N.T.S.



SECTION VIEW A-A



PLAN VIEW

6
3 ROCK OVERFLOW WEIR
N.T.S.

DETAILS THIS SHEET:

1. INSLOPED AVENUE
2. VINEYARD DIVERSION
3. SURFACE DRAINAGE PIPELINE
4. WATERBAR FOR VEHICULAR TRAFFIC
5. CUTOFF COLLAR
6. ROCK OVERFLOW WEIR

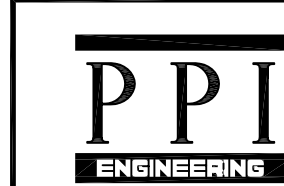
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DESIGN ENGINEER:

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JOB NO: 9913301

DWG. NO: 9913301J

SCALE:

AS SHOWN

DRAWN BY:

BP, JT, SD, JV, RL

DATE:

2-1-05

SHEET: 3

OF: 3