

PURPOSE:

THE PURPOSE OF THIS PLAN IS TO STABILIZE THE SITE TO PREVENT EROSION OF GRADED AREAS AND TO PREVENT SEDIMENTATION FROM LEAVING THE CONSTRUCTION AREA AND AFFECTING NEIGHBORING SITES, NATURAL AREAS, PUBLIC FACILITIES OR ANY OTHER AREA THAT MIGHT BE AFFECTED BY EROSION AND SEDIMENTATION. IT IS ALSO INTENDED TO PROTECT THE SITE, PUBLIC DRAINAGE FACILITIES AND NEIGHBORING PROPERTIES FROM OTHER POSSIBLE NON-STORMWATER POLLUTANTS. A DESCRIPTION OF POSSIBLE POLLUTANTS AND BEST MANAGEMENT PRACTICES IS PROVIDED IN THE PROJECT SWPPP. ALL MEASURES SHOWN ON THIS PLAN SHOULD BE CONSIDERED THE MINIMUM REQUIREMENTS NECESSARY. SHOULD FIELD CONDITIONS DICTATE ADDITIONAL MEASURES, SUCH MEASURES SHALL BE PER CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD'S FIELD MANUAL FOR EROSION AND SEDIMENTATION CONTROL AND THE CALIFORNIA STORM WATER QUALITY ASSOCIATION BEST MANAGEMENT PRACTICES HANDBOOK FOR CONSTRUCTION. LEA & BRAZE ENGINEERING SHOULD BE NOTIFIED IMMEDIATELY SHOULD CONDITIONS CHANGE.

EROSION CONTROL NOTES:

1. IT SHALL BE THE OWNER'S/CONTRACTOR'S RESPONSIBILITY TO MAINTAIN CONTROL OF THE ENTIRE CONSTRUCTION OPERATION AND TO KEEP THE ENTIRE SITE IN COMPLIANCE WITH THIS EROSION CONTROL PLAN.
2. THE INTENTION OF THIS PLAN IS FOR INTERIM EROSION AND SEDIMENT CONTROL ONLY. ALL EROSION CONTROL MEASURES SHALL CONFORM TO CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD'S FIELD MANUAL FOR EROSION AND SEDIMENTATION CONTROL, THE CALIFORNIA STORM WATER QUALITY ASSOCIATION BEST MANAGEMENT PRACTICES HANDBOOK FOR CONSTRUCTION, AND THE LOCAL GOVERNING AGENCY FOR THIS PROJECT.
3. OWNER/CONTRACTOR SHALL BE RESPONSIBLE FOR MONITORING EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO, DURING, AND AFTER STORM EVENTS. PERSON IN CHARGE OF MAINTAINING EROSION CONTROL MEASURES SHOULD WATCH LOCAL WEATHER REPORTS AND ACT APPROPRIATELY TO MAKE SURE ALL NECESSARY MEASURES ARE IN PLACE.
4. SANITARY FACILITIES SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
5. DURING THE RAINY SEASON, ALL PAVED AREAS SHALL BE KEPT CLEAR OF EARTH MATERIAL AND DEBRIS. THE SITE SHALL BE MAINTAINED SO AS TO MINIMIZE SEDIMENT-LADEN RUNOFF TO ANY STORM DRAINAGE SYSTEM, INCLUDING EXISTING DRAINAGE SWALES AND WATERCOURSES.
6. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION WILL BE MINIMIZED. COMPLIANCE WITH FEDERAL, STATE AND LOCAL LAWS CONCERNING POLLUTION SHALL BE MAINTAINED AT ALL TIMES.
7. CONTRACTOR SHALL PROVIDE DUST CONTROL AS REQUIRED BY THE APPROPRIATE FEDERAL, STATE AND LOCAL AGENCY REQUIREMENTS.
8. ALL MATERIALS NECESSARY FOR THE APPROVED EROSION CONTROL MEASURES SHALL BE IN PLACE BY OCTOBER 15TH.
9. EROSION CONTROL SYSTEMS SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE RAINY SEASON, OR FROM OCTOBER 15TH THROUGH APRIL 15TH, WHICHEVER IS LONGER.
10. IN THE EVENT OF RAIN, ALL GRADING WORK IS TO CEASE IMMEDIATELY AND THE SITE IS TO BE SEALED IN ACCORDANCE WITH THE APPROVAL EROSION CONTROL MEASURES AND APPROVED EROSION CONTROL PLAN.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND REPAIRING EROSION CONTROL SYSTEMS AFTER EACH STORM.
12. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY CITY'S ENGINEERING DEPARTMENT OR BUILDING OFFICIALS.
13. MEASURES SHALL BE TAKEN TO COLLECT OR CLEAN ANY ACCUMULATION OR DEPOSIT OF DIRT, MUD, SAND, ROCKS, GRAVEL OR DEBRIS ON THE SURFACE OF ANY STREET, ALLEY OR PUBLIC PLACE OR IN ANY PUBLIC STORM DRAIN SYSTEMS. THE REMOVAL OF AFORESAID SHALL BE DONE BY STREET SWEEPING OR HAND SWEEPING. WATER SHALL NOT BE USED TO WASH SEDIMENTS INTO PUBLIC OR PRIVATE DRAINAGE FACILITIES.
14. EROSION CONTROL MEASURES SHALL BE ON-SITE FROM SEPTEMBER 15TH THRU APRIL 15TH.
15. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE RAINY SEASON OR FROM OCTOBER 15 THRU APRIL 15, WHICHEVER IS GREATER.

EROSION CONTROL MEASURES:

1. THE FACILITIES SHOWN ON THIS PLAN ARE DESIGNED TO CONTROL EROSION AND SEDIMENT DURING THE RAINY SEASON, OCTOBER 15TH TO APRIL 15. EROSION CONTROL FACILITIES SHALL BE IN PLACE PRIOR TO OCTOBER 15TH OF ANY YEAR. GRADING OPERATIONS DURING THE RAINY SEASON WHICH LEAVE DENUDE SLOPES SHALL BE PROTECTED WITH EROSION CONTROL MEASURES IMMEDIATELY FOLLOWING GRADING ON THE SLOPES. GRADING WORK BETWEEN OCTOBER 15 AND APRIL 15 IS AT THE DISCRETION OF THE LOCAL AGENCY BUILDING OFFICIAL.
2. SITE CONDITIONS AT TIME OF PLACEMENT OF EROSION CONTROL MEASURES WILL VARY. APPROPRIATE ACTION INCLUDING TEMPORARY SWALES, INLETS, HYDROSEEDING, STRAW BALES, ROCK SACKS, ETC. SHALL BE TAKEN TO PREVENT EROSION AND SEDIMENTATION FROM LEAVING SITE. EROSION CONTROL MEASURES SHALL BE ADJUSTED AS THE CONDITIONS CHANGE AND THE NEED OF CONSTRUCTION SHIFT.
3. CONSTRUCTION ENTRANCES SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF GRADING. ALL CONSTRUCTION TRAFFIC ENTERING ONTO THE PAVED ROADS MUST CROSS THE STABILIZED CONSTRUCTION ENTRANCES. CONTRACTOR SHALL MAINTAIN STABILIZED ENTRANCE AT EACH VEHICLE ACCESS POINT TO EXISTING PAVED STREETS. ANY MUD OR DEBRIS TRACKED ONTO PUBLIC STREETS SHALL BE REMOVED DAILY AND AS REQUIRED BY THE GOVERNING AGENCY.
4. ALL EXPOSED SLOPES THAT ARE NOT VEGETATED SHALL BE HYDROSEEDDED. IF HYDROSEEDING IS NOT USED OR IS NOT EFFECTIVE BY OCTOBER 15, THEN OTHER IMMEDIATE METHODS SHALL BE IMPLEMENTED SUCH AS EROSION CONTROL BLANKETS, OR A THREE-STEP APPLICATION OF 1) SEED, MULCH, FERTILIZER 2) BLOWN STRAW 3) TACKIFIER AND MULCH. HYDROSEEDING SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF SECTION 20" EROSION CONTROL AND HIGHWAY PLANTING" OF THE STANDARD SPECIFICATION OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, AS LAST REVISED. REFER TO THE EROSION CONTROL SECTION OF THE GRADING SPECIFICATIONS THAT ARE A PART OF THIS PLAN SET FOR FURTHER INFORMATION.
5. INLET PROTECTION SHALL BE INSTALLED AT OPEN INLETS TO PREVENT SEDIMENT FROM ENTERING THE STORM DRAIN SYSTEM. INLETS NOT USED IN CONJUNCTION WITH EROSION CONTROL ARE TO BE BLOCKED TO PREVENT ENTRY OF SEDIMENT. MINIMUM INLET PROTECTION SHALL CONSIST OF A ROCK SACKS OR AS SHOWN ON THIS PLAN
6. THIS EROSION AND SEDIMENT CONTROL PLAN MAY NOT COVER ALL THE SITUATIONS THAT MAY ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS. VARIATIONS AND ADDITIONS MAY BE MADE TO THIS PLAN IN THE FIELD. A REPRESENTATIVE OF LEA & BRAZE ENGINEERING SHALL PERFORM A FIELD REVIEW AND MAKE RECOMMENDATIONS AS NEEDED. CONTRACTOR IS RESPONSIBLE TO NOTIFY LEA & BRAZE ENGINEERING AND THE GOVERNING AGENCY OF ANY CHANGES.
7. THE EROSION CONTROL MEASURES SHALL CONFORM TO THE COUNTY STANDARDS AND THE APPROVAL OF THE COUNTY'S ENGINEERING DEPARTMENT.
8. STRAW ROLLS SHALL BE PLACED AT THE TOE OF SLOPES AND ALONG THE DOWNSLOPE PERIMETER OF THE PROJECT. THEY SHALL BE PLACED AT 25 FOOT INTERVALS ON GRADED SLOPES. PLACEMENT SHALL RUN WITH THE CONTOURS AND ROLLS SHALL BE TIGHTLY ENDBUTTED. CONTRACTOR SHALL REFER TO MANUFACTURES SPECIFICATIONS FOR PLACEMENT AND INSTALLATION INSTRUCTIONS.

REFERENCES:

1. CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD'S FIELD MANUAL FOR EROSION AND SEDIMENTATION CONTROL
2. CALIFORNIA STORM WATER QUALITY ASSOCIATION BEST MANAGEMENT PRACTICES HANDBOOK FOR CONSTRUCTION

SOURCE CONTROL MEASURES:

1. STORE, HANDLE, AND DISPOSE OF CONSTRUCTION MATERIALS AND WASTES PROPERLY, SO AS TO PREVENT THEIR CONTACT WITH STORMWATER.
2. CONTROL AND PREVENT THE DISCHARGE OF ALL POTENTIAL POLLUTANTS, INCLUDING PAVEMENT CUTTING WASTES, PAINTS, CONCRETE, PETROLEUM PRODUCTS, CHEMICALS, WASHWATER OF SEDIMENTS, AND NON-STORMWATER DISCHARGES TO STORM DRAINS AND WATERCOURSES.
3. USE SEDIMENT CONTROLS OR FILTRATION TO REMOVE SEDIMENT WHEN DEWATERING SITE AND OBTAIN ALL NECESSARY PERMITS.
4. AVOID CLEANING, FUELING, OR MAINTAINING VEHICLES ON-SITE, EXCEPT IN A DESIGNATED AREA WHERE WASHWATER IS CONTAINED AND TREATED.
5. DELINEATE WITH FIELD MARKERS LIMITS ON CLEARING, EASEMENTS, SETBACKS, SENSITIVE OR CRITICAL AREAS, BUFFER ZONES, TREES AND DRAINAGE COURSES.
6. PROTECT ADJACENT PROPERTIES AND UNDISTURBED AREAS FROM CONSTRUCTION IMPACTS USING VEGETATIVE BUFFER STRIPS, SEDIMENT BARRIERS OR FILTERS, DIKES, MULCHING, OR OTHER MEASURES AS APPROPRIATE.
7. PERFORM CLEARING AND EARTH MOVING ACTIVITIES ONLY DURING DRY WEATHER.
8. LIMIT AND TIME APPLICATIONS OF PESTICIDES AND FERTILIZERS TO PREVENT POLLUTED RUNOFF.
9. LIMIT CONSTRUCTION ACCESS ROUTES AND STABILIZE DESIGNATED ACCESS POINTS.
10. AVOID TRACKING DIRT OR OTHER MATERIALS OFF-SITE. CLEAN OFF-SITE PAVED AREAS AND SIDEWALKS USING DRY SWEEPING METHODS.

KEY MAP

1"=250'

NOTE:
ALL SITE GRADING AND CONSTRUCTION OPERATIONS PREFORMED DURING THE RAINY SEASON (OCTOBER 01 TO APRIL 30) SHALL BE AT THE DISCRETION OF THE TOWN ENGINEER.
IF GRADING OR CONSTRUCTION ACTIVITIES ARE PERFORMED DURING THE RAINY SEASON, ADDITIONAL SITE BMPS MAY BE REQUIRED BY THE QSD/QSP BASED ON WEATHER CONDITIONS, SITE CONDITIONS, AND CONSTRUCTION ACTIVITIES BEING PREFORMED.

SITE DESIGN MEASURES:

1. PROTECT SENSITIVE AREAS AND MINIMIZE CHANGES TO THE NATURAL TOPOGRAPHY.
2. MINIMIZE IMPERVIOUS SURFACE AREAS.
3. MINIMIZE IMPERVIOUS AREAS FROM BEING DIRECTLY CONNECTED TO THE STORM DRAIN SYSTEM WHERE FEASIBLE.
4. MAXIMIZE PERMEABILITY BY PRESERVING OPEN SPACE.
5. USE PERMEABLE PAVEMENT SURFACES WHERE FEASIBLE.
6. USE LANDSCAPE AREAS AND SWALES TO TREAT STORM WATER.
7. PROVIDE PERMANENT EROSION CONTROL MEASURES.
8. PROVIDE A STORM WATER DESIGN THAT DOES NOT INCREASE POST-CONSTRUCTION RUNOFF.

PERIODIC MAINTENANCE:

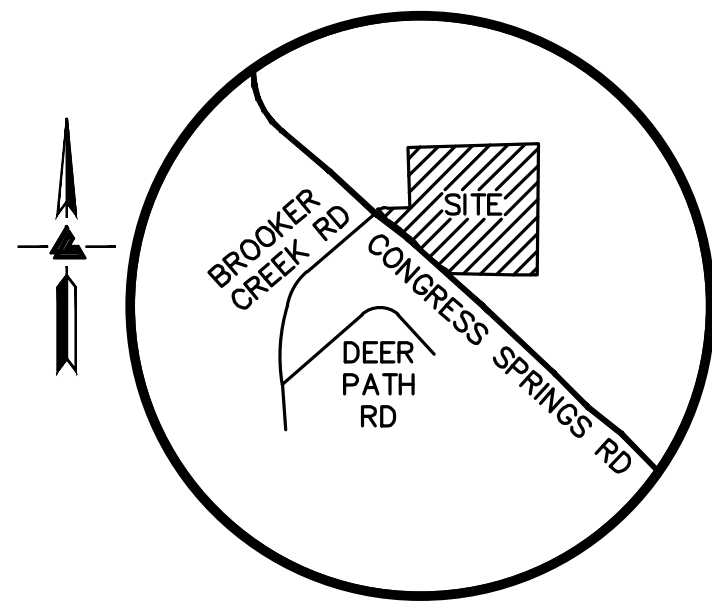
1. MAINTENANCE IS TO BE PERFORMED AS FOLLOWS:

- A. DAMAGES CAUSED BY SOIL EROSION OR CONSTRUCTION SHALL BE REPAIRED AT THE END OF EACH WORKING DAY.
- B. SWALES SHALL BE INSPECTED PERIODICALLY AND MAINTAINED AS NEEDED.
- C. SEDIMENT TRAPS, BERMS, AND SWALES ARE TO BE INSPECTED AFTER EACH STORM AND REPAIRS MADE AS NEEDED.
- D. SEDIMENT SHALL BE REMOVED AND SEDIMENT TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT HAS ACCUMULATED TO A DEPTH OF 1' FOOT.
- E. SEDIMENT REMOVED FROM TRAP SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
- F. FILLS AND GULLIES MUST BE REPAIRED.

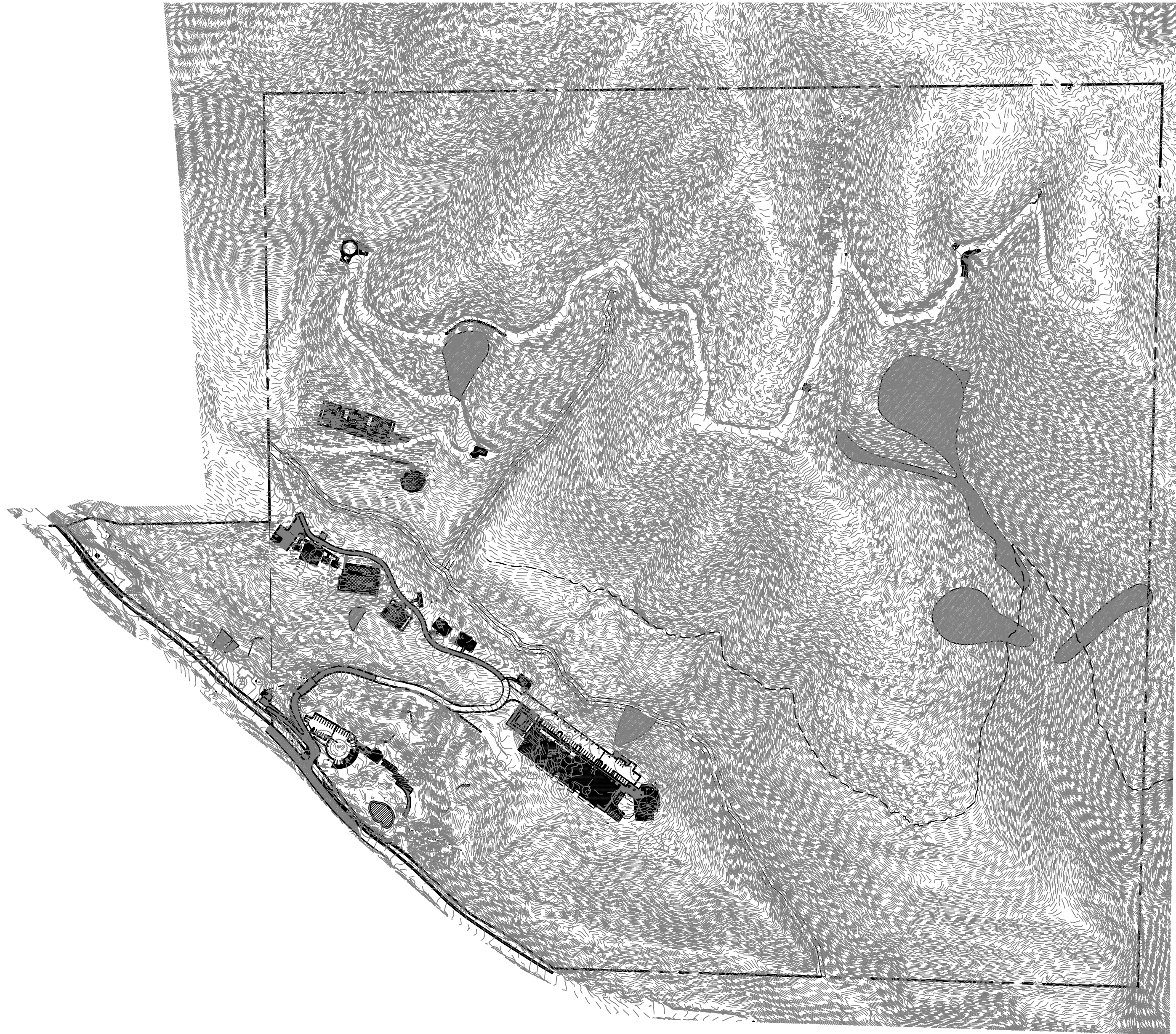
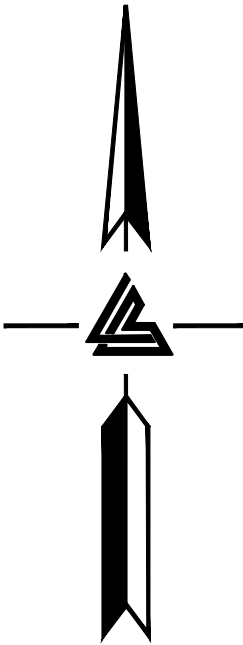
2. SAND BAG INLET PROTECTION SHALL BE CLEANED OUT WHENEVER SEDIMENT DEPTH IS ONE HALF THE HEIGHT OF ONE SAND BAG.
3. STRAW ROLLS SHALL BE PERIODICALLY CHECKED TO ASSURE PROPER FUNCTION AND CLEANED OUT WHENEVER THE SEDIMENT DEPTH REACHED HALF THE HEIGHT OF THE ROLL.
4. SILT FENCE SHALL BE PERIODICALLY CHECKED TO ASSURE PROPER FUNCTION AND CLEANED OUT WHENEVER THE SEDIMENT DEPTH REACHES ONE FOOT IN HEIGHT.
5. CONSTRUCTION ENTRANCE SHALL BE REGRAVELED AS NECESSARY FOLLOWING SILT/SOIL BUILDUP.
6. ANY OTHER EROSION CONTROL MEASURES SHOULD BE CHECKED AT REGULAR INTERVALS TO ASSURE PROPER FUNCTION.

CONSTRUCTION SCHEDULE

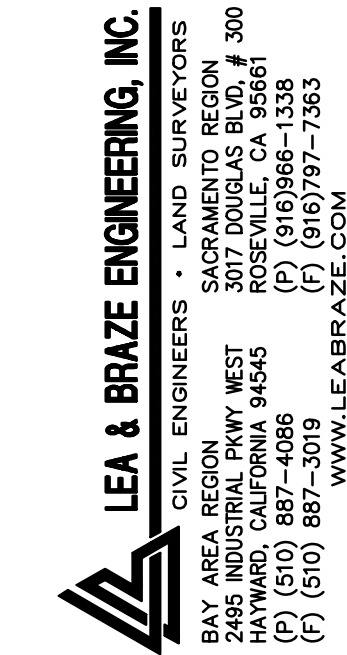
CONSTRUCTION START DATE: OCTOBER 18, 2017
IMPLEMENT CONSTRUCTION BMPS: OCTOBER 18, 2017
GRADING START DATE DATE: OCTOBER 31, 2017
GRADING COMPLETION DATE: SEPTEMBER 30, 2019
IMPLEMENT POST-CONSTRUCTION BMPS: OCTOBER 01, 2019
CONSTRUCTION END DATE: OCTOBER 14, 2019



VICINITY MAP
NO SCALE



ELLISON CONSERVATION
CENTER FOR WILDLIFE CARE
SARATOGA, CA



DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION
04-11-19	PLAN CHECK 1
04-22-19	ASA DELTA 2
05-10-19	BID SET
05-22-19	BID SET ADDENDUM 1
08-06-19	UTILITY PLAN CHECK 1
09-20-19	PHASE 4 - PERMIT SUBMITTAL
01-28-20	CONSTRUCTION SET 1
05-29-20	PERMIT MODIFICATION 2
07-22-20	PLAN CHECK RESPONSE
	PERMIT MODIFICATION 2
	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
EROSION CONTROL
OVERALL SITE PLAN

SCALE
1" = 250'
Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER

C-9.0

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943

CONSTRUCTION BEST MANAGEMENT PRACTICES

1. REFER TO THE CALIFORNIA STORMWATER QUALITY ASSOCIATION HANDBOOK FOR CONSTRUCTION BMP FACT SHEETS FOR A COMPLETE DESCRIPTION OF THE BEST MANAGEMENT PRACTICES TO BE USED.
2. CONSTRUCTION BMP FACT SHEETS FROM THE HANDBOOK FOR BMPs USED ON THIS PROJECT ARE LOCATED IN APPENDIX E OF THE EROSION POLLUTION PREVENTION PLAN.

EROSION CONTROL BMPs:

- EC-1 CONSTRUCTION SCHEDULING
- EC-7 GEOTEXTILES & MATS
- EC-9 DRAINAGE SWALES
- WE-1 WIND EROSION CONTROL

SEDIMENT CONTROL BMPs:

- SE-1 SILT FENCE
- SE-4 GRAVEL BAG CHECK DAM
- SE-7 STREET SWEEPING AND VACUUMING
- SE-10 STORM DRAIN INLET PROTECTION

TRACKING CONTROL BMPs:

- TC-1 STABILIZED CONSTRUCTION ENTRANCE

NON-STORMWATER CONTROL BMPs:

- NS-1 WATER CONSERVATION PRACTICES
- NS-3 PAVING AND GRINDING OPERATIONS
- NS-6 ILLICIT CONNECTION / DISCHARGES
- 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

MATERIALS POLLUTION AND WASTE MANAGEMENT CONTROL BMPs:

- MW-1 MATERIAL DELIVERY AND STORAGE
- MW-2 MATERIAL USE
- MW-3 STOCKPILE MANAGEMENT
- MW-4 SPILL PREVENTION AND CONTROL
- MW-5 SOLID WASTE MANAGEMENT
- MW-6 HAZARDOUS WASTE MANAGEMENT
- MW-8 CONCRETE WASTE MANAGEMENT
- MW-9 SANITARY AND SEPTIC WASTE MANAGEMENT

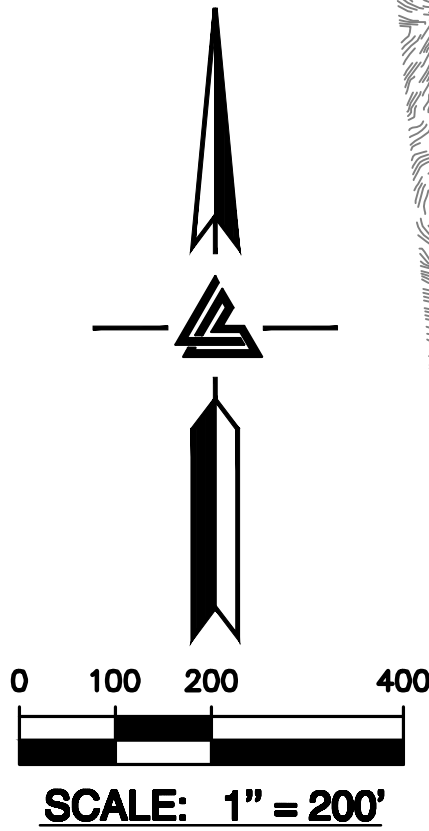
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NOTE:
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IF GRADING OR CONSTRUCTION ACTIVITIES ARE PERFORMED DURING THE RAINY SEASON, ADDITIONAL SITE BMPs MAY BE REQUIRED BY THE QSD/QSP BASED ON WEATHER CONDITIONS, SITE CONDITIONS, AND CONSTRUCTION ACTIVITIES BEING PERFORMED.

GENERAL CONSTRUCTION AND SITE SUPERVISOR GUIDELINES:

- A. STABILIZE ALL DENUDED AREAS AND MAINTAIN EROSION CONTROL MEASURES CONTINUOUSLY BETWEEN OCTOBER 1 AND APRIL 30 AND AS NEEDED YEAR ROUND TO MAINTAIN EFFECTIVE STORMWATER MANAGEMENT. STABILIZING SHALL INCLUDE BOTH PROACTIVE MEASURES, SUCH AS THE PLACEMENT OF FIBER ROLLS AND/OR COIR NETTING, AND THE USE OF PASSIVE MEASURES, SUCH AS RE-VEGETATING DISTURBED AREAS WITH PLANTS NATIVE TO THE GENERAL AREA. CLEARING AND EARTH MOVING ACTIVITIES SHALL OCCUR ONLY DURING DRY WEATHER.
- B. SEQUENCE CONSTRUCTION TO INSTALL SEDIMENT-CAPTURING DEVICES FIRST, FOLLOWED BY RUNOFF CONTROL MEASURES AND RUNOFF CONVEYANCES. NO CONSTRUCTION ACTIVITIES SHALL BEGIN UNTIL AFTER ALL PROPOSED MEASURES ARE IN PLACE.
- C. MINIMIZE THE AREA OF BARE SOIL EXPOSED AT ONE TIME (PHASED GRADING). CLEAR ONLY AREAS ESSENTIAL FOR CONSTRUCTION.
- D. WITHIN FIVE DAYS OF CLEARING OR INACTIVITY IN CONSTRUCTION, STABILIZE BARE SOILS THROUGH EITHER NON-VEGETATIVE BMPs, SUCH AS MULCHING, OR VEGETATIVE EROSION CONTROL METHODS, SUCH AS SEEDING. VEGETATIVE EROSION CONTROL MEASURES SHALL BE ESTABLISHED WITHIN TWO WEEKS OF SEEDING/PLANTING.
- E. CONSTRUCTION ENTRANCES AND ACCESS ROUTES SHALL BE LIMITED AND STABILIZED AT DESIGNATED ACCESS POINTS IMMEDIATELY AFTER GRADING AND FREQUENTLY MAINTAINED TO PREVENT EROSION AND CONTROL DUST.
- F. AVOID TRACKING DIRT OR OTHER MATERIALS OFF-SITE; CLEAN OFF-SITE PAVED AREAS AND SIDEWALKS USING DRY SWEEPING METHODS.
- G. CONTROL WIND-BORN DUST THROUGH THE INSTALLATION OF WIND BARRIERS SUCH AS HAY BALES AND/OR SPRINKLING.
- H. SOIL AND/OR OTHER CONSTRUCTION-RELATED MATERIAL STOCKPILED ON-SITE SHALL BE PLACED AT A MINIMUM OF 200 FEET FROM ALL WETLANDS AND DRAIN COURSES. STOCKPILED SOILS SHALL BE COVERED WITH TARPS AT ALL TIMES OF THE YEAR.
- I. INTERCEPT RUNOFF ABOVE DISTURBED SLOPES AND CONVEY IT TO A PERMANENT CHANNEL OR STORM DRAINS BY USING EARTH DIKES, PERIMETER DIKES OR SWALES, OR DIVERSIONS. USE CHECK DAMS WHERE APPROPRIATE.
- J. PROVIDE PROTECTION FOR RUNOFF CONVEYANCE OUTLETS BY REDUCING FLOW VELOCITY AND DISSIPATING FLOW ENERGY.
- K. INSTALL STORM DRAIN INLET PROTECTION THAT TRAPS SEDIMENT BEFORE IT ENTERS ANY ADJACENT STORM SEWER SYSTEMS. THIS BARRIER SHALL CONSIST OF FILTER FABRIC, STRAW BALES, GRAVEL, OR SAND BAGS.
- L. PROTECTING ADJACENT PROPERTIES AND UNDISTURBED AREAS FROM CONSTRUCTION IMPACTS USING VEGETATIVE BUFFER STRIPS, SEDIMENT BARRIERS OR FILTERS, DIKES, MULCHING, OR OTHER MEASURES AS APPROPRIATE.
- M. INSTALL SEDIMENT TRAPS/BASINS AT OUTLETS OF DIVERSIONS, CHANNELS, SLOPE DRAINS, OR OTHER RUNOFF CONVEYANCES THAT DISCHARGE SEDIMENT-LADEN WATER. SEDIMENT TRAPS/BASINS SHALL BE CLEANED OUT WHEN 50% FULL (BY VOLUME).
- N. USE SILT FENCE AND/OR VEGETATED FILTER STRIPS TO TRAP SEDIMENT CONTAINED IN SHEET FLOW. THE MAXIMUM DRAINAGE AREA TO THE FENCE SHOULD BE 0.5-ACRE OR LESS PER 100 FEET OF FENCE. SILT FENCES SHALL BE INSPECTED REGULARLY AND SEDIMENT REMOVED WHEN IT REACHES 1/3 OF THE FENCE HEIGHT. VEGETATED FILTER STRIPS SHOULD HAVE RELATIVELY FLAT SLOPES AND BE VEGETATED WITH EROSION RESISTANT SPECIES.
- O. THROUGHOUT THE CONSTRUCTION PERIOD, THE APPLICANT SHALL CONDUCT REGULAR INSPECTIONS OF THE CONDITION AND OPERATIONAL STATUS OF ALL STRUCTURAL BMPs REQUIRED BY THE APPROVED EROSION CONTROL PLAN.
- P. STORE, HANDLE AND DISPOSE OF CONSTRUCTION MATERIALS AND WASTES PROPERLY, SO AS TO PREVENT THEIR CONTACT WITH STORMWATER.
- Q. CONTROL AND PREVENT THE DISCHARGE OF ALL POTENTIAL POLLUTANTS, INCLUDING PAVEMENT CUTTING WASTES, PAINTS, CONCRETE, PETROLEUM PRODUCTS, CHEMICALS, WASH WATER OR SEDIMENTS, AND NON-STORMWATER DISCHARGES TO STORM DRAINS AND WATERCOURSES.
- R. USE SEDIMENT CONTROLS OR FILTRATION TO REMOVE SEDIMENT WHEN DE-WATERING SITE AND OBTAIN ALL NECESSARY PERMITS.
- S. AVOID CLEANING, FUELING, OR MAINTAINING VEHICLES ON-SITE, EXCEPT IN A DESIGNATED AREA WHERE WASH WATER IS CONTAINED AND TREATED.
- T. DELINEATE WITH FIELD MARKERS CLEARING LIMITS, EASEMENTS, SETBACKS, SENSITIVE OR CRITICAL AREAS, BUFFER ZONES, TREES, AND DRAINAGE COURSES.
- U. LIMIT AND TIME APPLICATIONS OF PESTICIDES AND FERTILIZERS TO PREVENT POLLUTED RUNOFF.
- V. THE CONTRACTOR SHALL TRAIN AND PROVIDE INSTRUCTION TO ALL EMPLOYEES AND SUBCONTRACTORS REGARDING THE CONSTRUCTION BEST MANAGEMENT PRACTICES, INCLUDING, BUT NOT LIMITED TO, THOSE LISTED ABOVE.
- W. THE PROJECT CONTRACTOR SHALL TRAIN AND PROVIDE INSTRUCTION TO ALL EMPLOYEES AND SUBCONTRACTORS REGARDING THE CONSTRUCTION BEST MANAGEMENT PRACTICES INCLUDING, BUT NOT LIMITED TO, THOSE LISTED ABOVE.
- X. ADDITIONAL BEST MANAGEMENT PRACTICES, IN ADDITION TO THOSE SHOWN ON THE APPROVED PLANS, MAY BE REQUIRED BY THE BUILDING INSPECTOR TO MAINTAIN EFFECTIVE STORMWATER MANAGEMENT DURING CONSTRUCTION ACTIVITIES AND FOR POST-CONSTRUCTION SITE STABILIZATION. ANY WATER LEAVING THE SITE SHALL BE CLEAR AND RUNNING SLOWLY AT ALL TIMES.



AREA OF
DETAIL SEE
SHEET C-9.3,
C-9.14, C-9.25

AREA OF
DETAIL SEE SHEET
C-9.6, C-9.17,
C-9.28

AREA OF
DETAIL SEE
SHEET C-9.5,
C-9.16, C-9.27

AREA OF
DETAIL SEE SHEET C-9.8,
C-9.19, C-9.30

AREA OF
DETAIL SEE SHEET C-9.10,
C-9.21, C-9.32

AREA OF
DETAIL SEE SHEET C-9.2,
C-9.13, C-9.24

LIMIT OF
DISTURBED AREA
10.72 ACRES

AREA OF
DETAIL SEE
SHEET C-9.12,
C-9.23, C-9.34

AREA OF
DETAIL SEE SHEET C-9.4,
C-9.15, C-9.26

AREA OF
DETAIL SEE SHEET C-9.7,
C-9.18, C-9.29

AREA OF
DETAIL SEE SHEET C-9.9,
C-9.20, C-9.31

AREA OF
DETAIL SEE SHEET C-9.11,
C-9.22, C-9.33

DUST CONTROL GUIDELINES:

- A. ALL GRADED SURFACES AND MATERIALS, WHETHER FILLED, EXCAVATED, TRANSPORTED OR STOCKPILED, SHALL BE WETTED, PROTECTED OR CONTAINED IN SUCH A MANNER AS TO PREVENT ANY SIGNIFICANT NUISANCE FROM DUST, OR SPILLAGE UPON ADJOINING WATER BODY, PROPERTY, OR STREETS. EQUIPMENT AND MATERIALS ON THE SITE SHALL BE USED IN SUCH A MANNER AS TO AVOID EXCESSIVE DUST. A DUST CONTROL PLAN MAY BE REQUIRED AT ANY TIME DURING THE COURSE OF THE PROJECT.
- B. A DUST PALLIATIVE SHALL BE APPLIED TO THE SITE (ALL GRADED/DISTURBED AREAS, PRIVATE ROADS AND, IF APPLICABLE, PUBLIC COUNTY ROADWAYS) WHEN REQUIRED BY THE COUNTY. THE TYPE AND RATE OF APPLICATION SHALL BE RECOMMENDED BY THE SOILS ENGINEER AND APPROVED BY THE DEPARTMENT OF PUBLIC WORKS, THE PLANNING AND BUILDING DEPARTMENT'S GEOTECHNICAL ENGINEER, AND THE REGIONAL WATER QUALITY CONTROL BOARD.

NOTE:
ALL SITE GRADING AND CONSTRUCTION OPERATIONS PERFORMED DURING THE RAINY SEASON (OCTOBER 01 TO APRIL 15) SHALL BE AT THE DISCRETION OF THE TOWN ENGINEER.

IF GRADING OR CONSTRUCTION ACTIVITIES ARE PERFORMED DURING THE RAINY SEASON, ADDITIONAL SITE BMPs MAY BE REQUIRED BY THE QSD/QSP BASED ON WEATHER CONDITIONS, SITE CONDITIONS, AND CONSTRUCTION ACTIVITIES BEING PERFORMED.

SITE INFORMATION:

SITE AREA: 169.8 AC
DISTURBED AREA: 10.72 AC
GRADED AREA: 8.00 AC
% SITE TO BE DISTURBED: 6.0 %
% SITE TO BE GRADED: 4.7 %
% IMPERVIOUS BEFORE PROJECT: 0.02 %
% IMPERVIOUS AFTER PROJECT: 2.20 %

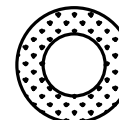
NOTE:
SEAL ALL OTHER INLETS NOT INTENDED TO ACCEPT STORM WATER AND DIRECT FLOWS TEMPORARILY TO FUNCTIONAL SEDIMENTATION BASIN INLETS. -TYP

PROVIDE STRAW MULCH ON ALL EXPOSED AREAS NOT UNDER ACTIVE CONSTRUCTION.
PROVIDE LANDSCAPE PLANTING FOR PERMANENT EROSION CONTROL IMMEDIATELY AFTER COMPLETION OF CONSTRUCTION.
ENSURE THAT ALL VEGETATION IS HEALTHY AND FULLY ESTABLISHED PRIOR TO PROJECT COMPLETION.

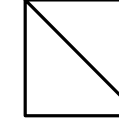
EROSION CONTROL LEGEND

SE-4

GRAVEL BAG



SEDIMENTATION
BASIN



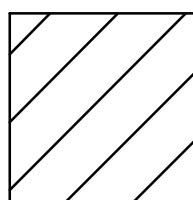
INLET PROTECTION



SILT FENCE



CONCRETE WASHOUT



EROSION CONTROL
BLANKET

ELLISON CONSERVATION
CENTER FOR WILDLIFE CARE
SARATOGA, CA



KSH
ARCHITECTS
KORTH SUNSERI HAGEY

LEA & BRAZE ENGINEERING, INC.
CIVIL ENGINEERS • LAND SURVEYORS
SACRAMENTO REGION
BAY AREA REGION
HAYWARD, CALIFORNIA 94543
(P) (916) 948-1338
(F) (510) 887-3018
(F) (510) 887-3018
WWW.LEABRAZE.COM

DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION
04-11-19	PLAN CHECK 1
04-22-19	ASA DELTA 2
05-10-19	BID SET
05-22-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 - PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE
07-22-20	PERMIT MODIFICATION 2
	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

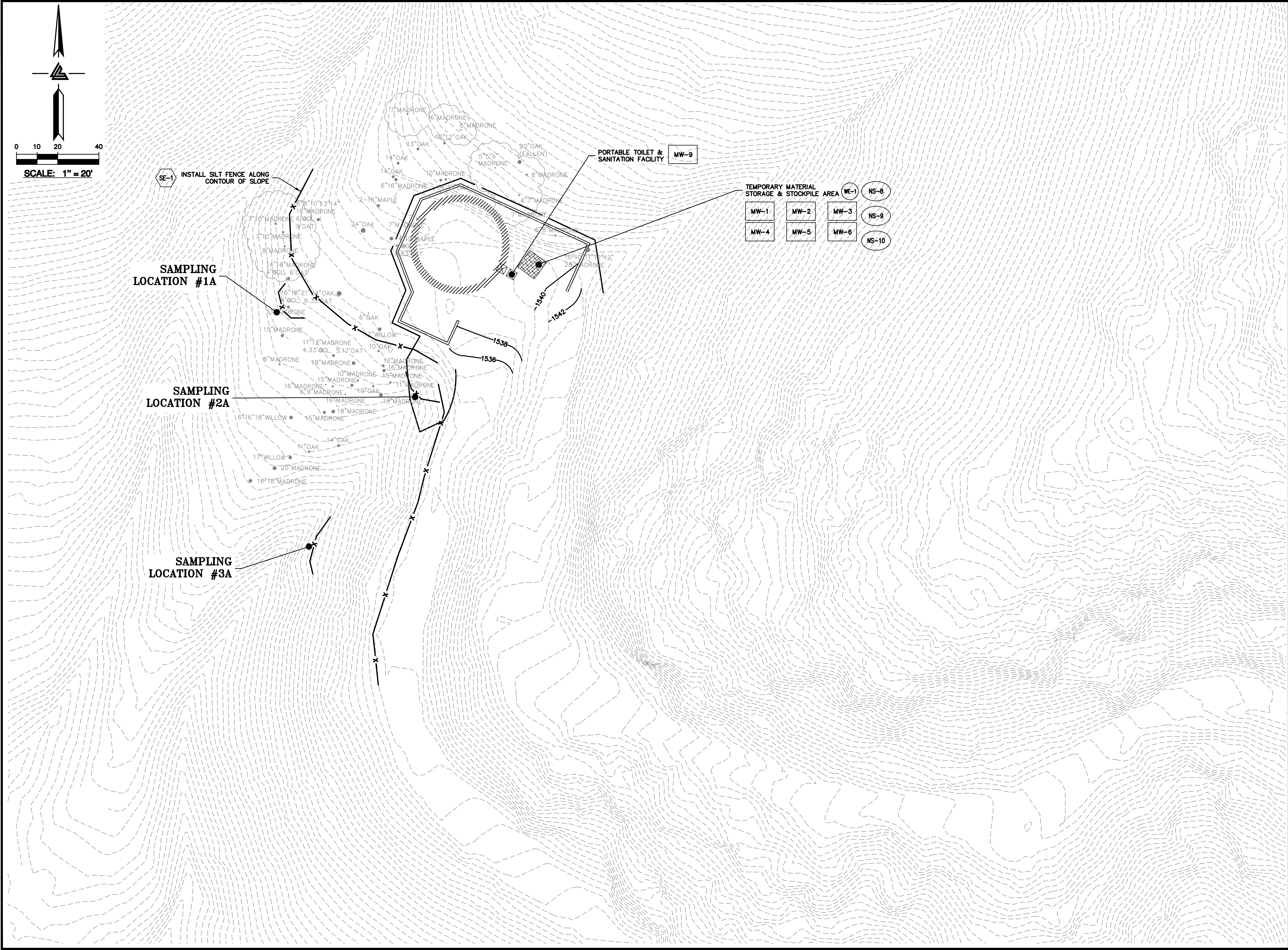
SHEET TITLE
EROSION CONTROL
NOTES

SCALE
NO SCALE
PC / CA
Designed By
PC / JL
Checked By
LB Job No. 2130712

SHEET NUMBER

C-9.1

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943



LEA & BRAZE ENGINEERING, INC.
CIVIL ENGINEERS • LAND SURVEYORS
BAY AREA REGION: 300
SACRAMENTO REGION: 300
SANTA ANA REGION: 300
ROSEVILLE, CA 95661
HAYWARD, CA 94543
(P) (916) 946-1338
(P) (510) 887-4086
(F) (510) 887-3018
(F) (916) 946-7563
WWW.LEABRAZE.COM

ISSUES AND REVISIONS	
DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL PLAN CHECK 1
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2
04-22-19	BID SET
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08-06-19	PHASE 4 - PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

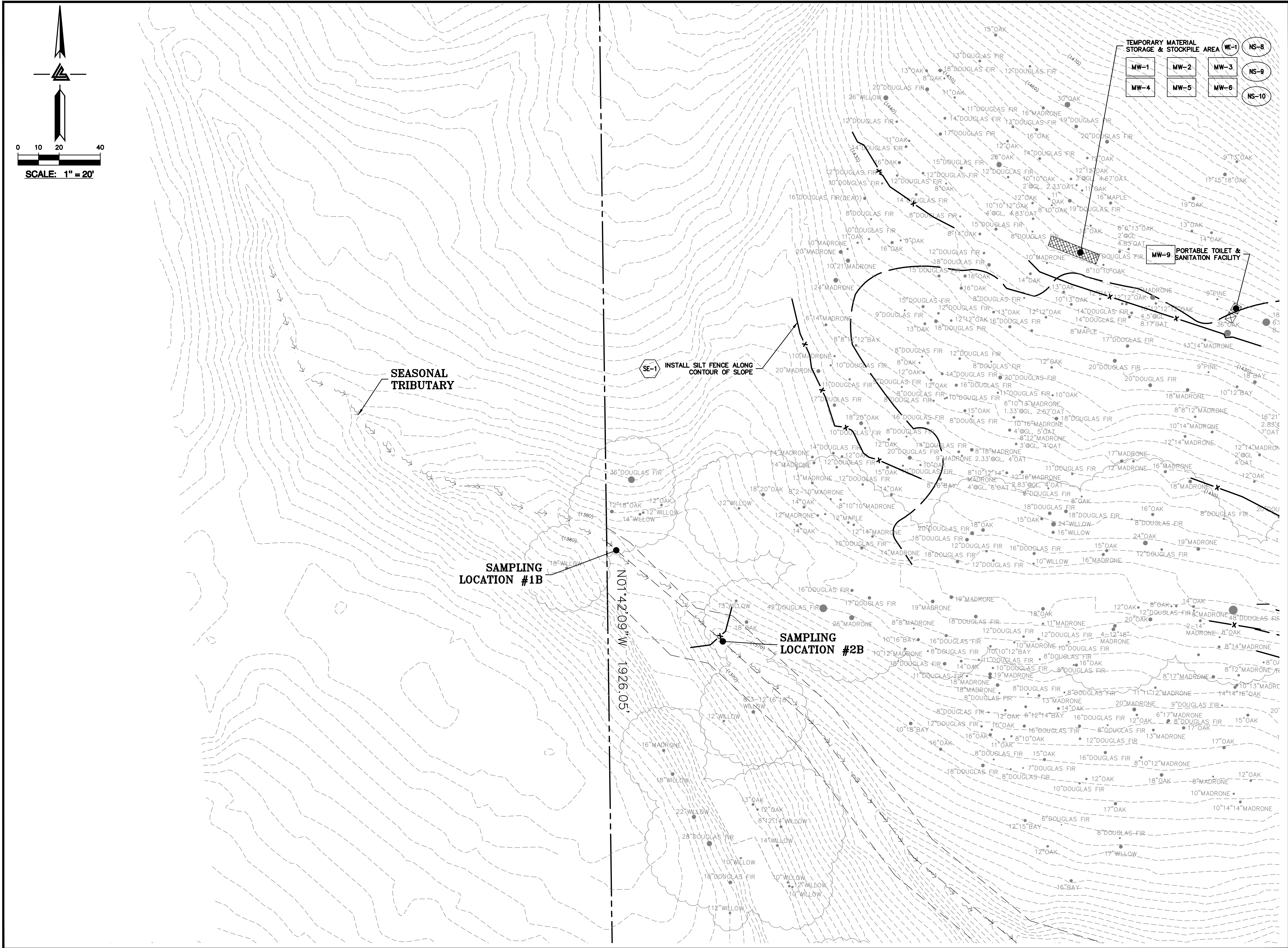
PROJECT NUMBER
16011.00

SHEET TITLE
**PHASE 1 BMP PLAN
DEMOLITION, GRADING
& STAGING**

SCALE
1" = 20'
Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-9.2

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943



ELLISON CONSERVATION
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SARATOGA, CA



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ARCHITECTS
KORTH SUNSERI HAGEY

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BAY AREA REGION: 1000 WEST
HAYWARD, CALIFORNIA 94545
(P) (510) 887-4086
(F) (510) 887-3018
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ISSUES AND REVISIONS	
DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 - PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL

**SANTA CLARA COUNTY
RECORD INFORMATION**
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-176
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

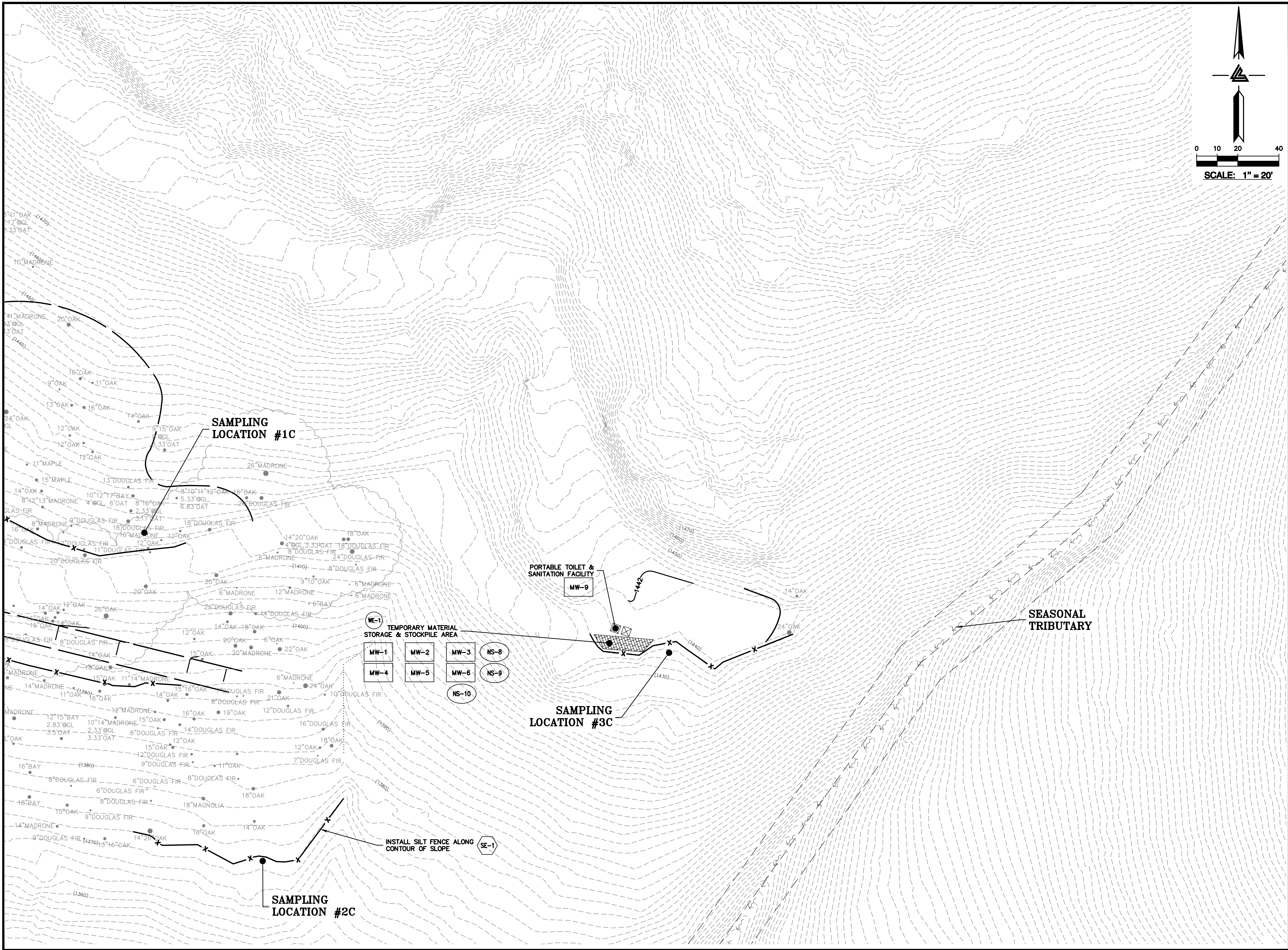
PROJECT NUMBER
16011.00

SHEET TITLE
**PHASE 1 BMP PLAN
DEMOLITION, GRADING
& STAGING**

SCALE
1" = 20'
Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-9.3

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943



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CIVIL ENGINEERS • LAND SURVEYORS
BAY AREA REGION: 1000 WEST
HAYWARD, CALIFORNIA 94543
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WWW.LEA-BRAZE.COM
SACRAMENTO REGION: 300
ROSEVILLE, CA 95661
(P) (916) 946-1338 (F) (916) 947-7553

ISSUES AND REVISIONS	
DATE	DESCRIPTION
09-06-18	GRADING PERMIT
12-21-18	PLAN CHECK 4
03-26-19	PERMIT RESUBMITTAL
04-11-19	PERMIT MODIFICATION
04-22-19	PLAN CHECK 1
05-10-19	ASA DELTA 2
05-22-19	BID SET
08-06-19	BID SET ADDENDUM 1
09-20-19	UTILITY PLAN CHECK 1
01-28-20	PHASE 4 - PERMIT SUBMITTAL
05-29-20	CONSTRUCTION SET 1
07-22-20	PERMIT MODIFICATION 2
	PLAN CHECK RESPONSE
	PERMIT MODIFICATION 2
	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-176
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

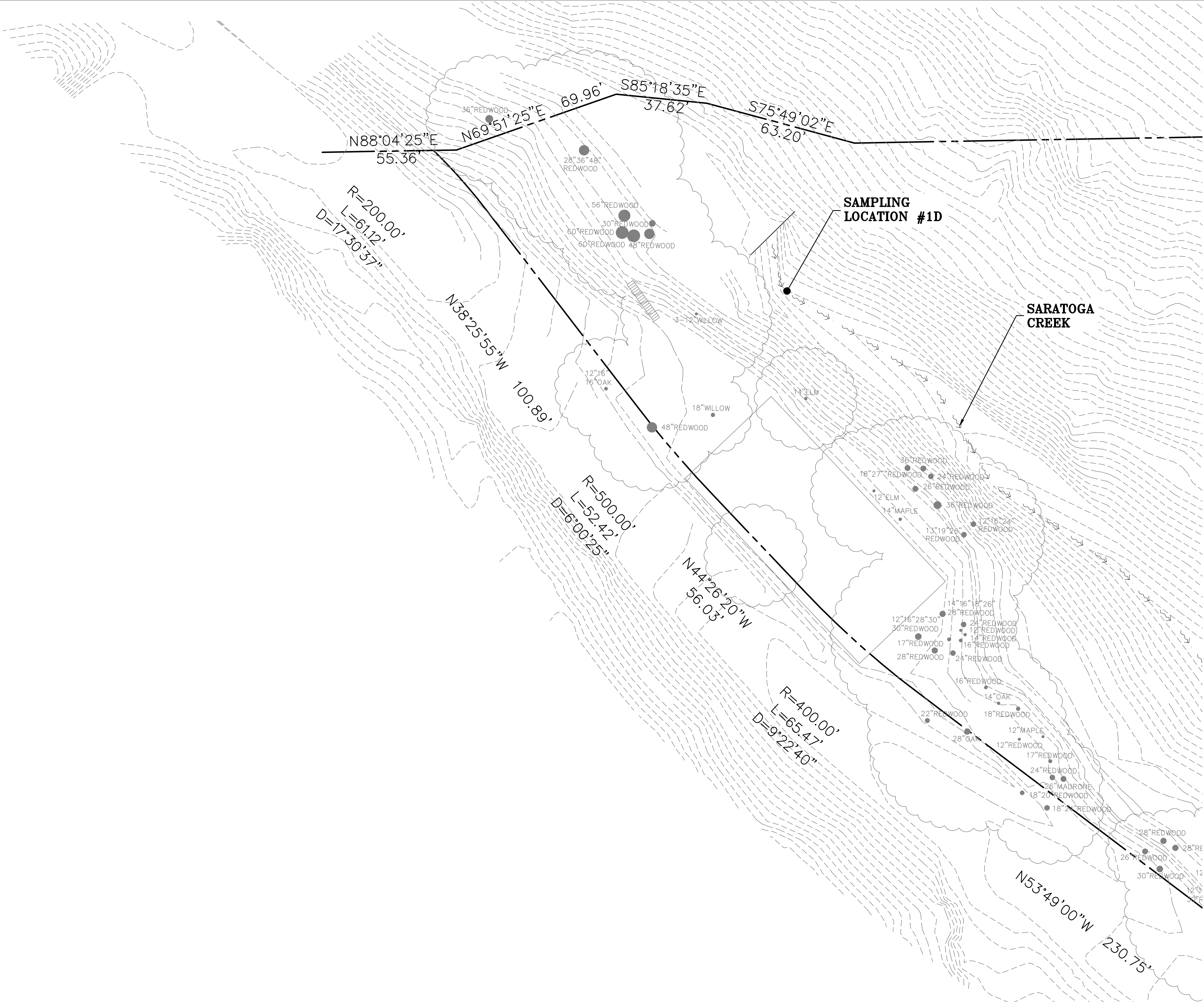
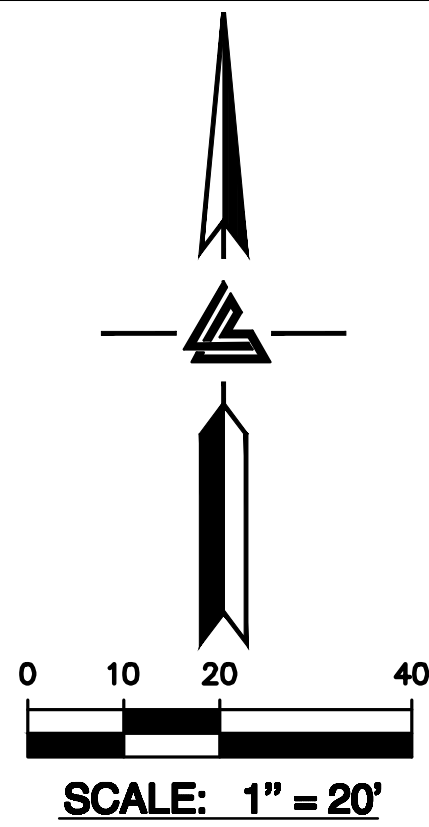
SHEET TITLE
**PHASE 1 BMP PLAN
DEMOLITION, GRADING
& STAGING**

SCALE
1" = 20'
Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER

C-9.4

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943



ELLISON CONSERVATION
CENTER FOR WILDLIFE CARE
SARATOGA, CA



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CIVIL ENGINEERS • LAND SURVEYORS
BAY AREA REGION: 300
HAYWARD, CA 94545
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ROSEVILLE, CA 95661
(P) (510) 887-4086 (P) (916) 948-1338
(F) (510) 887-3018 (F) (916) 947-7553
WWW.LEABRAZE.COM

ISSUES AND REVISIONS	
DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 - PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

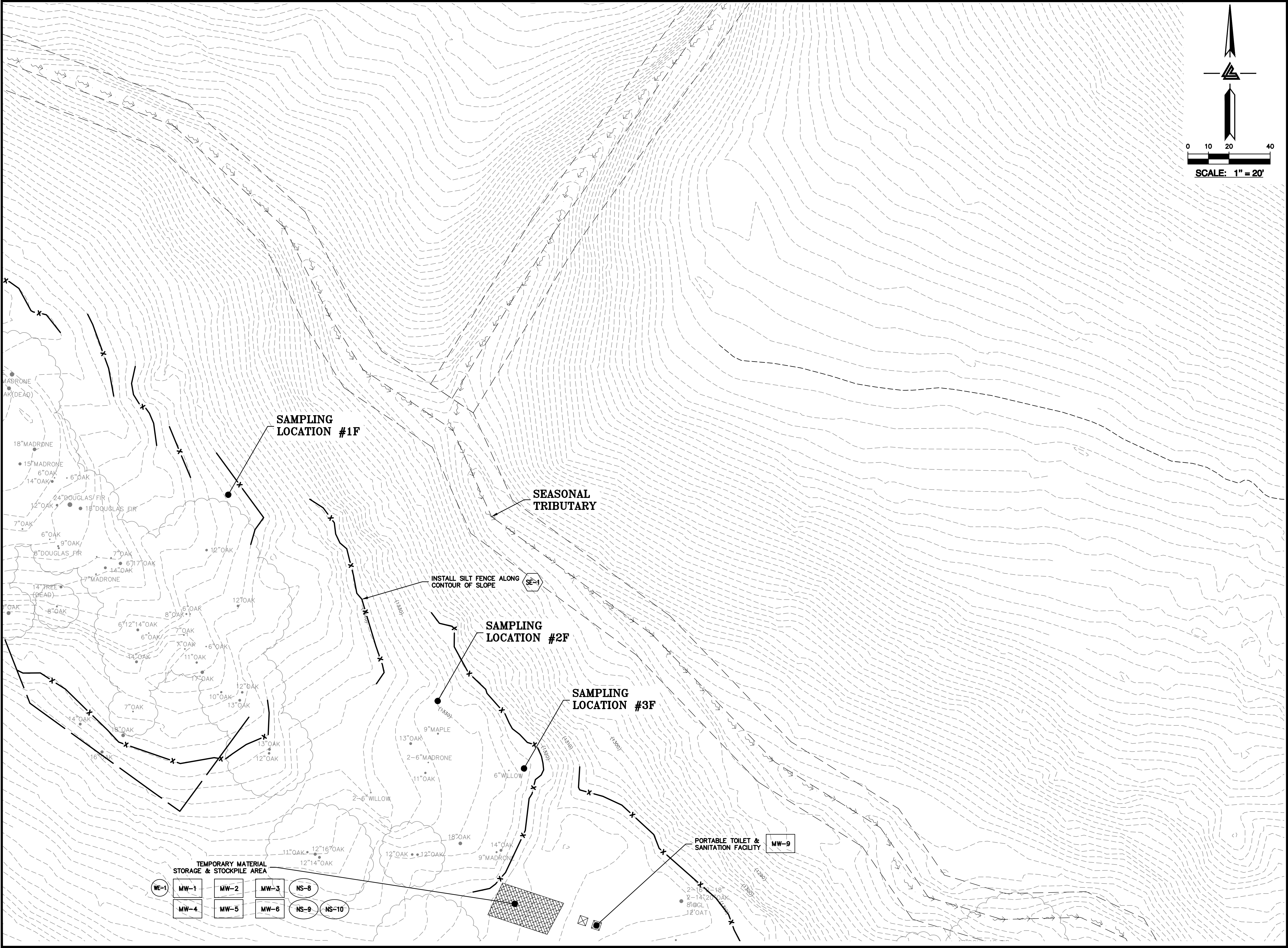
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**PHASE 1 BMP PLAN
DEMOLITION, GRADING
& STAGING**

SCALE
1" = 20'
PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER

C-9.5

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943



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CIVIL ENGINEERS • LAND SURVEYORS
BAY AREA REGION
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HAYWARD, CALIFORNIA 94543
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(F) (510) 887-3018
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ISSUES AND REVISIONS	
DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 - PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

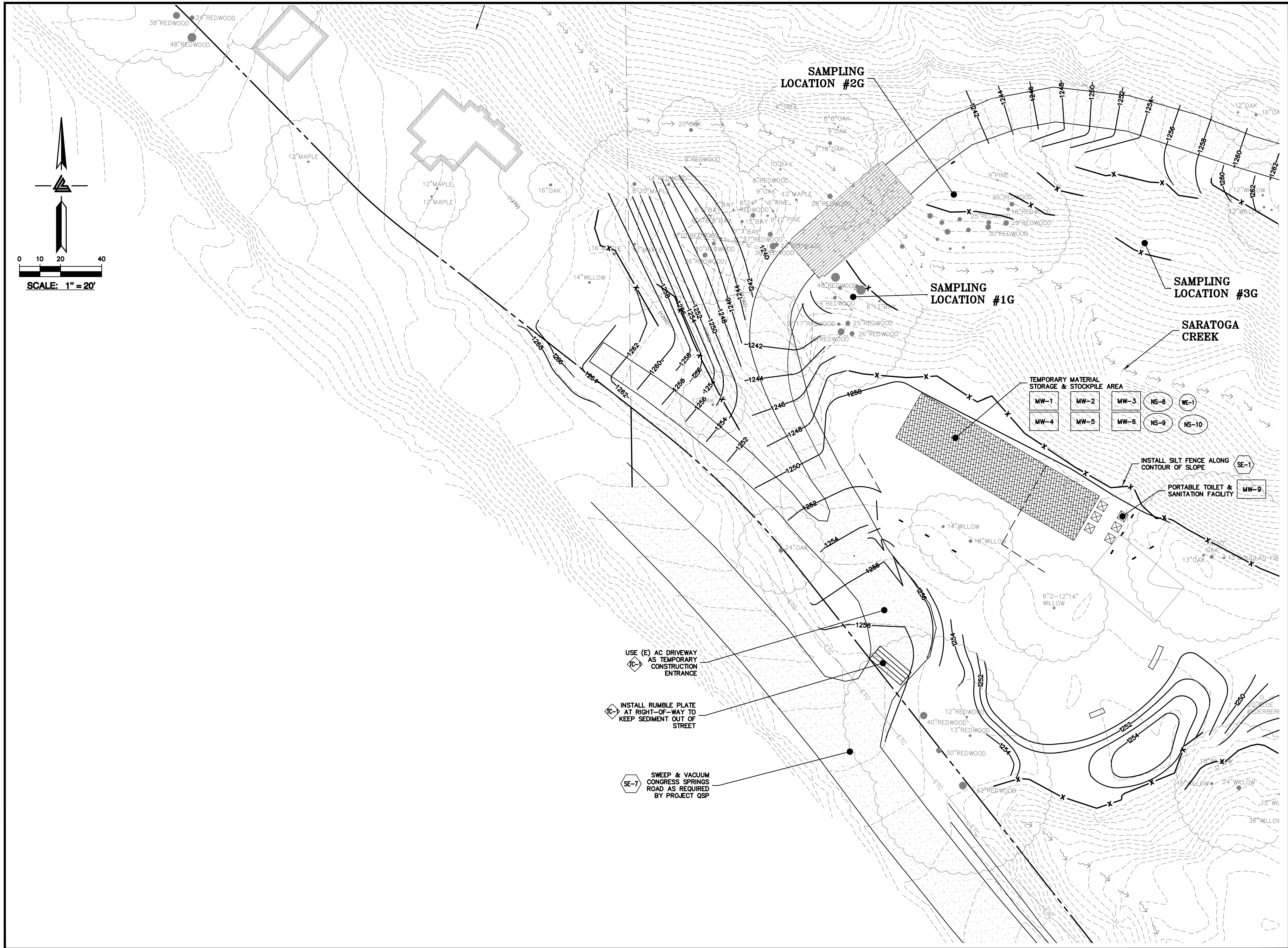
SHEET TITLE
**PHASE 1 BMP PLAN
DEMOLITION, GRADING
& STAGING**

SCALE
1" = 20'
Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER

C-9.7

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943



LEA & BRAZE ENGINEERING, INC.
CIVIL ENGINEERS • LAND SURVEYORS
BAY AREA REGION: 1000 WEST
HAYWARD, CALIFORNIA 94543
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(F) (510) 887-3018
WWW.LEABRAZE.COM
SACRAMENTO REGION: 300
ROSELIE, CA 95661
(P) (916) 946-1338
(F) (916) 946-1338

ISSUES AND REVISIONS	
DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 - PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE
07-22-20	PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

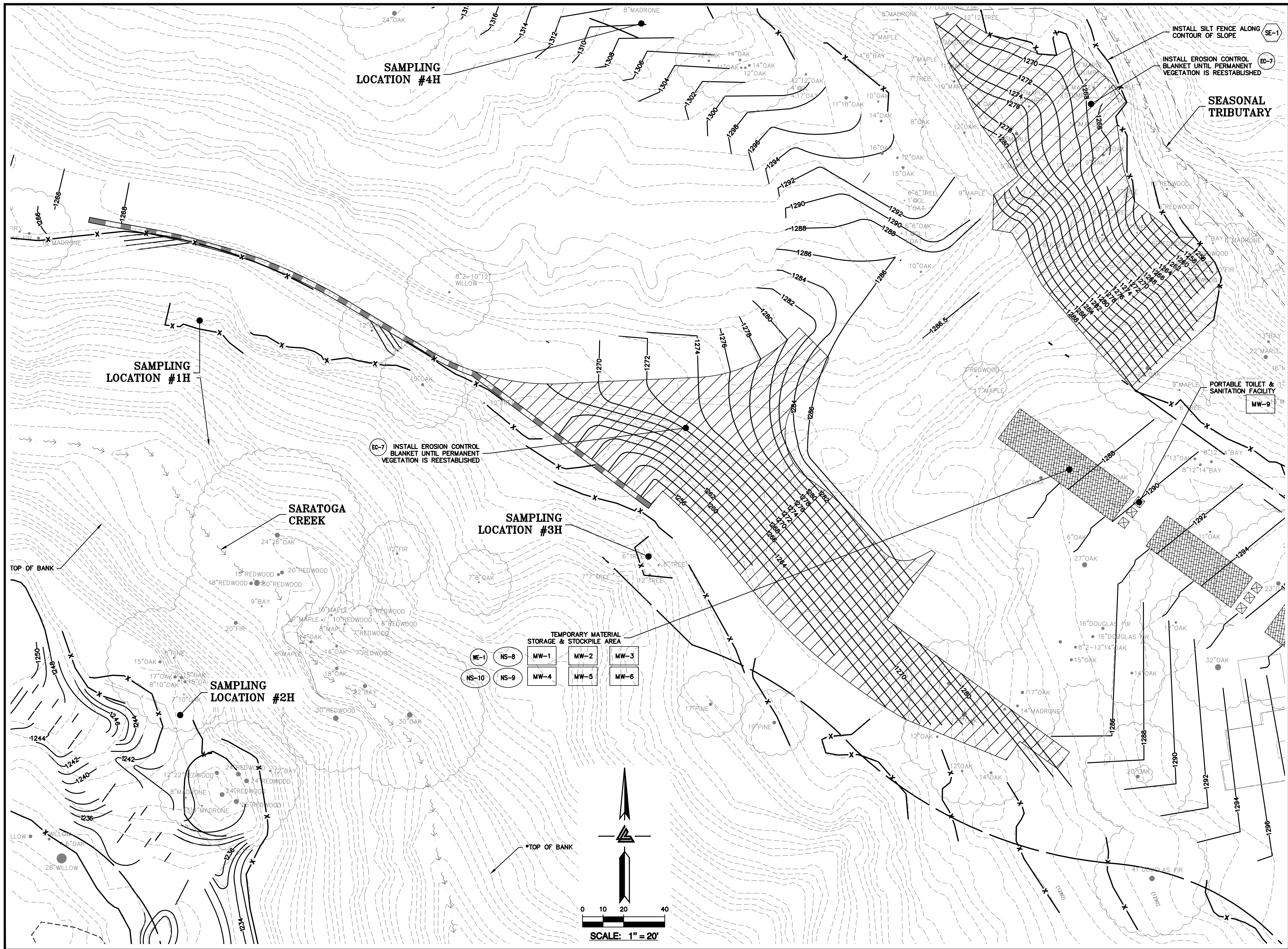
PROJECT NUMBER
16011.00

SHEET TITLE
**PHASE 1 BMP PLAN
DEMOLITION, GRADING
& STAGING**

SCALE
1" = 20'
PC / CA
Designed By
Checked By
LB Job No. 2130712

SHEET NUMBER
C-9.8

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943



ISSUES AND REVISIONS	
DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION
04-11-19	PLAN CHECK 1
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 - PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE
07-22-20	PERMIT MODIFICATION 2
	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY RECORD INFORMATION	
APPLICANT: PENINSULA HUMANE SOCIETY	
ROAD: CONGRESS SPRINGS	
LDE FILE: 6943-17-176	
GRADING PERMIT: DEV19-1838	
UTILITY PERMIT: DEV19-0220	

PROJECT NUMBER	16011.00
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SHEET TITLE	PHASE 1 BMP PLAN DEMOLITION, GRADING & STAGING
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SCALE	1" = 20'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER	C-9.9
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ASA/USE PERMIT MODIFICATION #3 PLN-17-6943
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ISSUES AND REVISIONS	
DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DATA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM
05-22-19	UTILITY PLAN CHECK
08-06-19	PHASE 4 – PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION
07-22-20	UTILITY PLAN SUBMITTAL

**SANTA CLARA COUNTY
RECORD INFORMATION**
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE

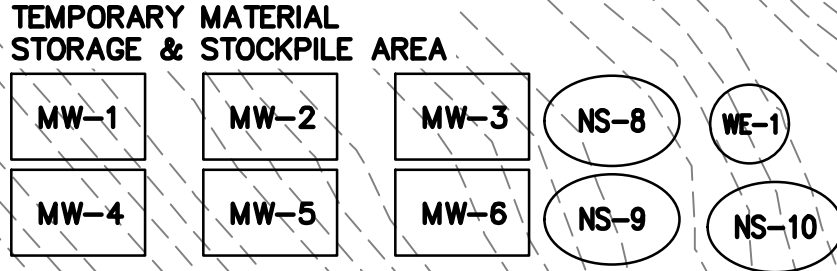
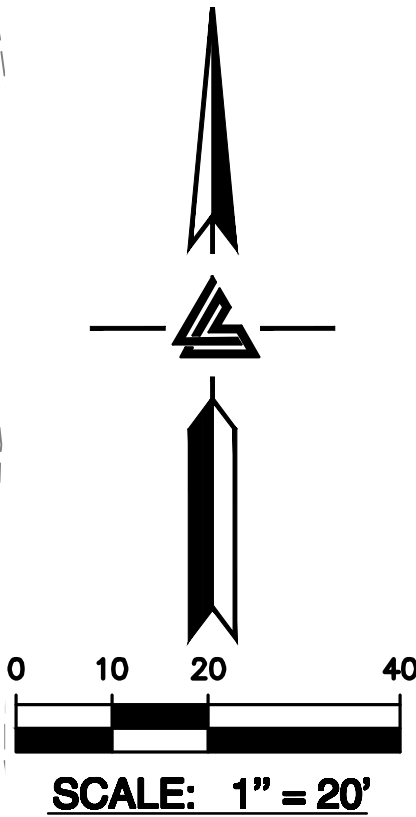
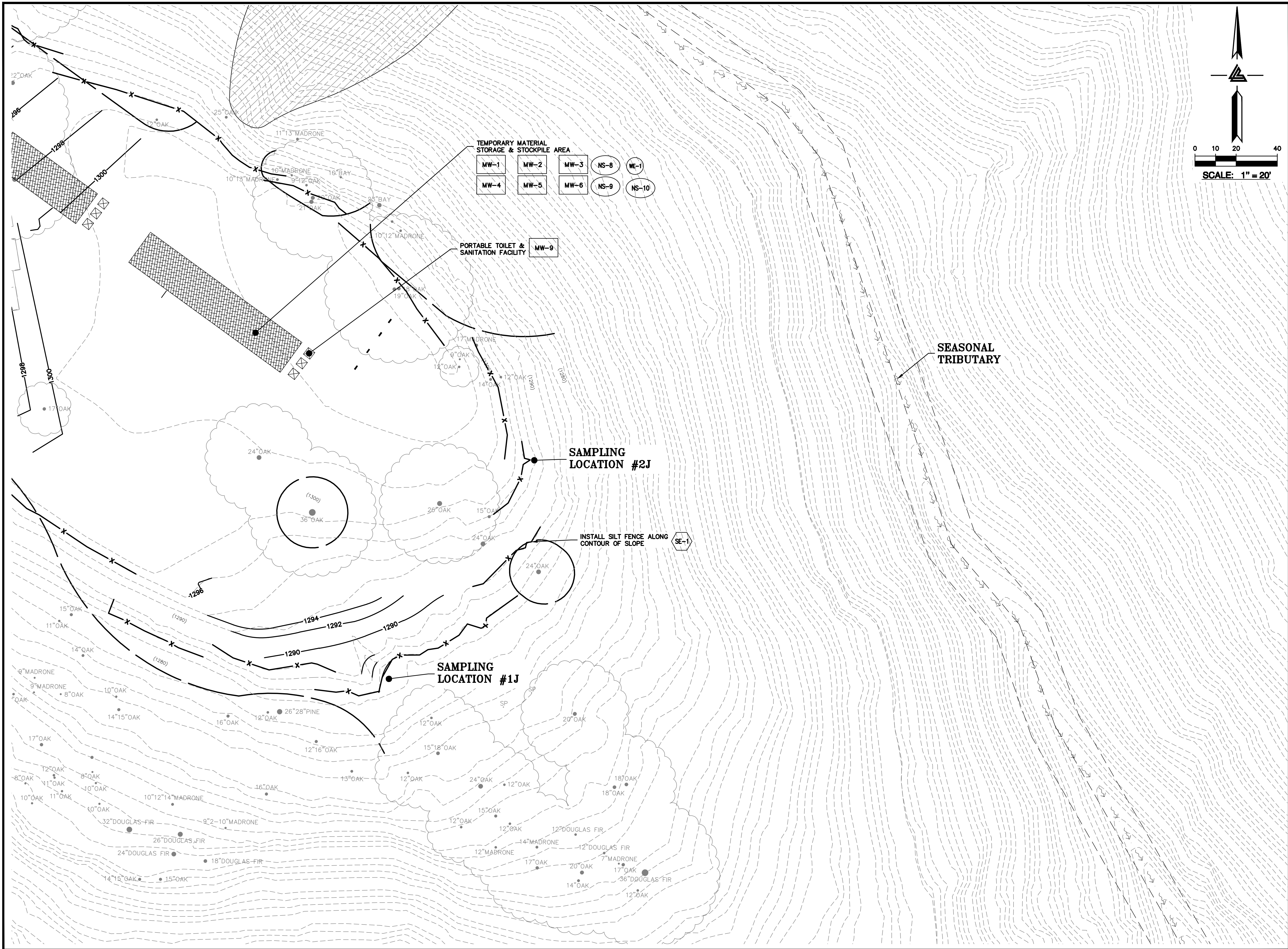
**PHASE 1 BMP PLAN
DEMOLITION, GRADING
& STAGING**

	SCALE
	1" = 20'
Designed By	PC / CA
Checked By	PC / JL
LB Job No.	2130712

SHEET NUMBER

C-9.10

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943



PORTABLE TOILET & SANITATION FACILITY MW-9

SAMPLING LOCATION #2J

INSTALL SILT FENCE ALONG CONTOUR OF SLOPE SE-1

SAMPLING LOCATION #1J

SEASONAL TRIBUTARY

ELLISON CONSERVATION
CENTER FOR WILDLIFE CARE
SARATOGA, CA



KSH
ARCHITECTS
KORTH SUNSERI HAGEY

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HAYWARD, CALIFORNIA 94543
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(F) (510) 887-3018
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DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 - PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
**PHASE 1 BMP PLAN
DEMOLITION, GRADING
& STAGING**

SCALE
1" = 20'
PC / CA
Designed By
Checked By
LB Job No. 2130712

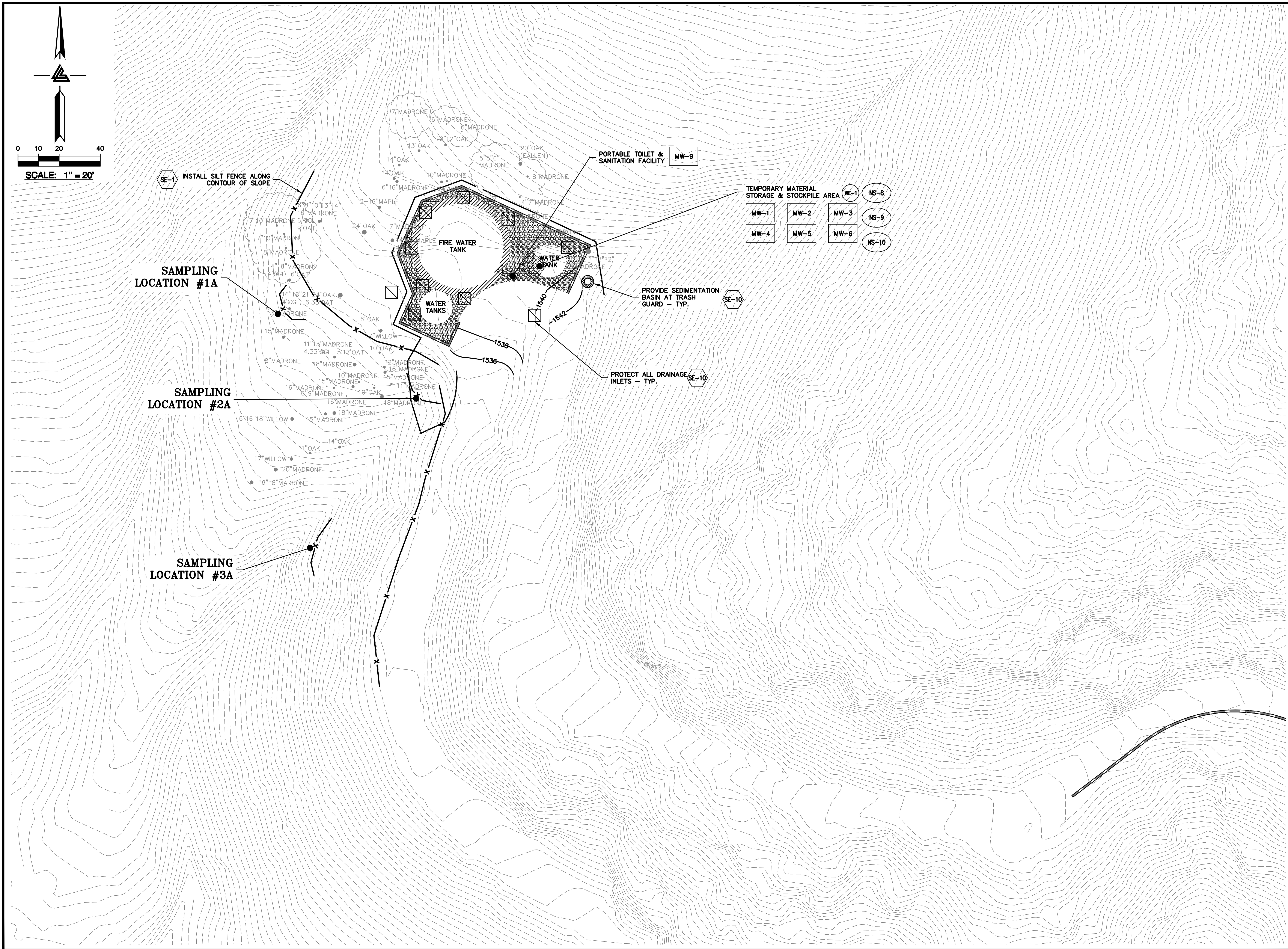
SHEET NUMBER
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ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943

**SANTA CLARA COUNTY
RECORD INFORMATION**
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943





ELLISON CONSERVATION
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ISSUES AND REVISIONS	
DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL PLAN CHECK 1
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04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
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08-06-19	PHASE 4 - PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

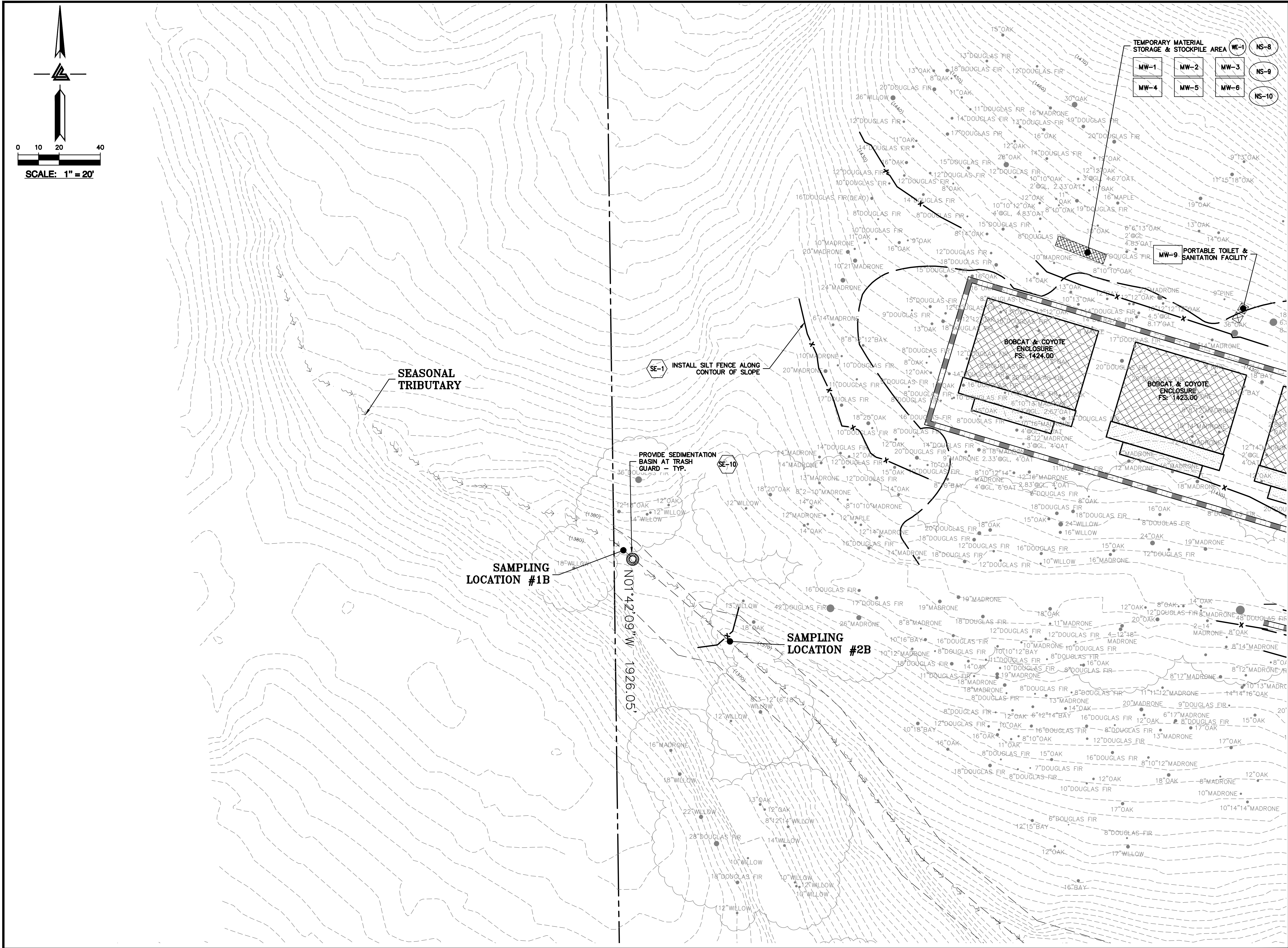
PROJECT NUMBER
16011.00

SHEET TITLE
**PHASE 2 BMP PLAN
BUILDING & UTILITIES**

SCALE
1" = 20'
Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-9.13

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943



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BAY AREA REGION: 1000 WEST 300
HAYWARD, CALIFORNIA 94545
(510) 887-0086 (P) (910) 946-1338
(510) 887-3018 (F) (910) 797-7583
WWW.LEABRAZE.COM

ISSUES AND REVISIONS	
DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL PLAN CHECK 1
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 - PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-176
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

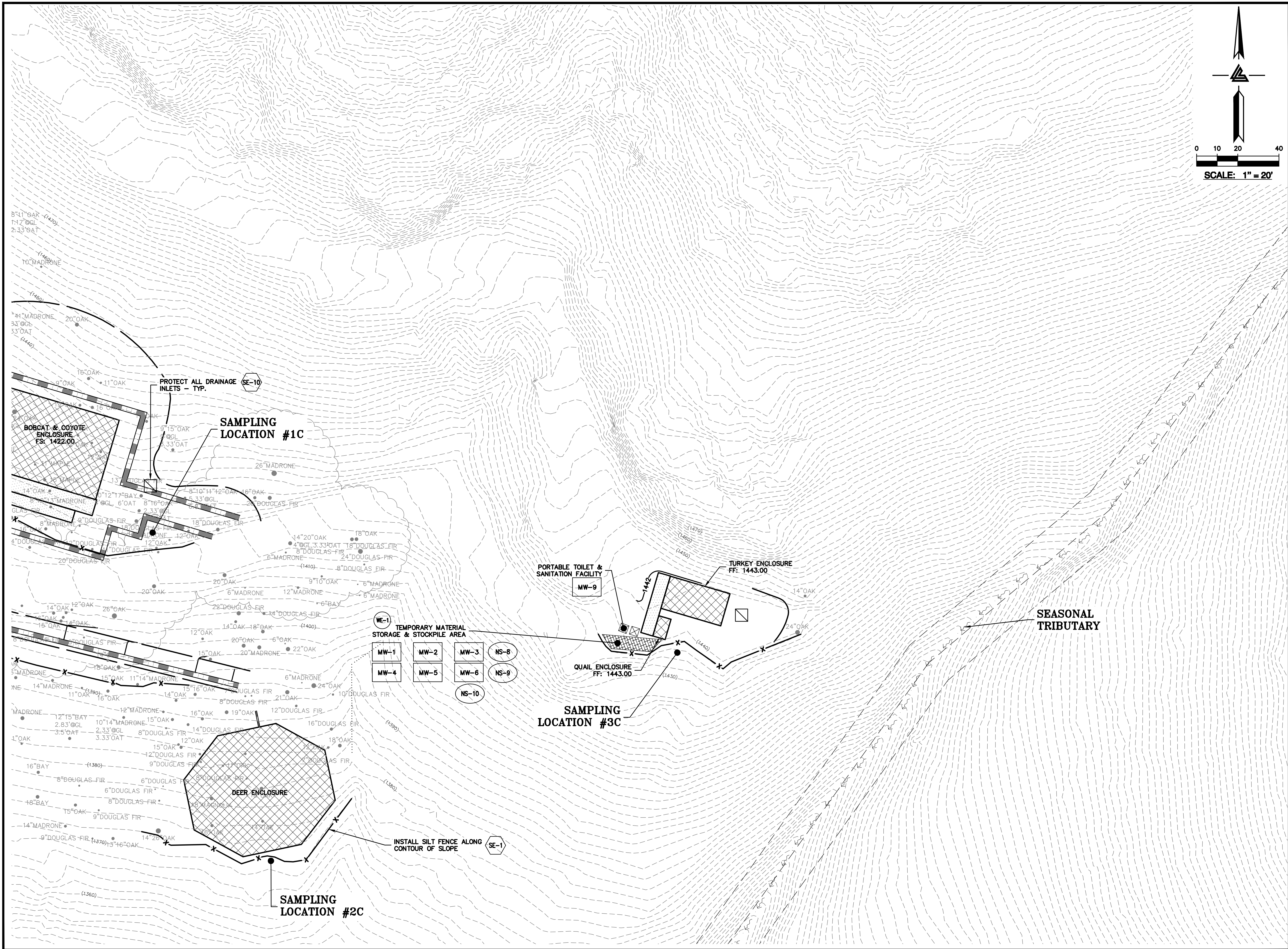
PROJECT NUMBER
16011.00

SHEET TITLE
**PHASE 2 BMP PLAN
BUILDING & UTILITIES**

SCALE
1" = 20'
PC / CA
Designed By
Checked By
LB Job No.
2130712

SHEET NUMBER
C-9.14

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943



LEA & BRAZE ENGINEERING, INC.
CIVIL ENGINEERS • LAND SURVEYORS
BAY AREA REGION: 300
SACRAMENTO REGION: 300
SANTA ANA REGION: 300
ROSEVILLE, CA 95661
HAYWARD, CA 94543
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(T) (916) 997-7553
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DATE	ISSUES AND REVISIONS
09-06-18	GRADING PERMIT
12-21-18	PLAN CHECK 4
03-26-19	PERMIT RESUBMITTAL
04-11-19	PERMIT MODIFICATION
04-22-19	PLAN CHECK 1
05-10-19	ASA DELTA 2
05-22-19	BID SET
08-06-19	BID SET ADDENDUM 1
09-20-19	UTILITY PLAN CHECK 1
01-28-20	PHASE 4 - PERMIT SUBMITTAL
05-29-20	CONSTRUCTION SET 1
07-22-20	PERMIT MODIFICATION 2
	PLAN CHECK RESPONSE
	PERMIT MODIFICATION 2
	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-176
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

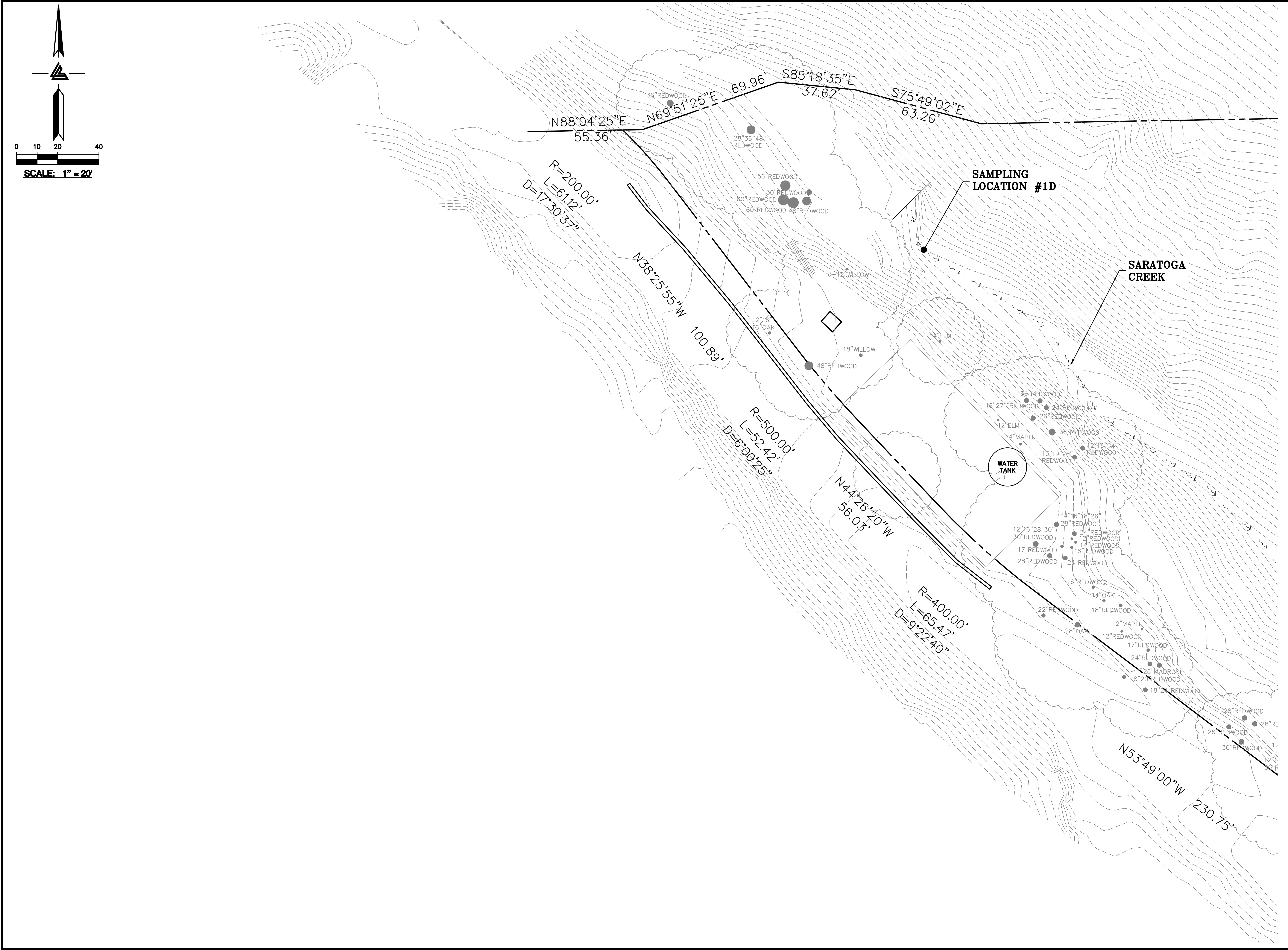
PROJECT NUMBER
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SHEET TITLE
PHASE 2 BMP PLAN BUILDING & UTILITIES

SCALE
1" = 20'
Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-9.15

ASA/USE PERMIT MODIFICATION #3 PLN-17-6943
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1000 J STREET, SUITE 300
ROSELILLE, CA 95661
(P) (916) 946-1338
(F) (916) 946-1338
WWW.LEABRAZE.COM

ISSUES AND REVISIONS	
DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL PLAN CHECK 1
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 - PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-176
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

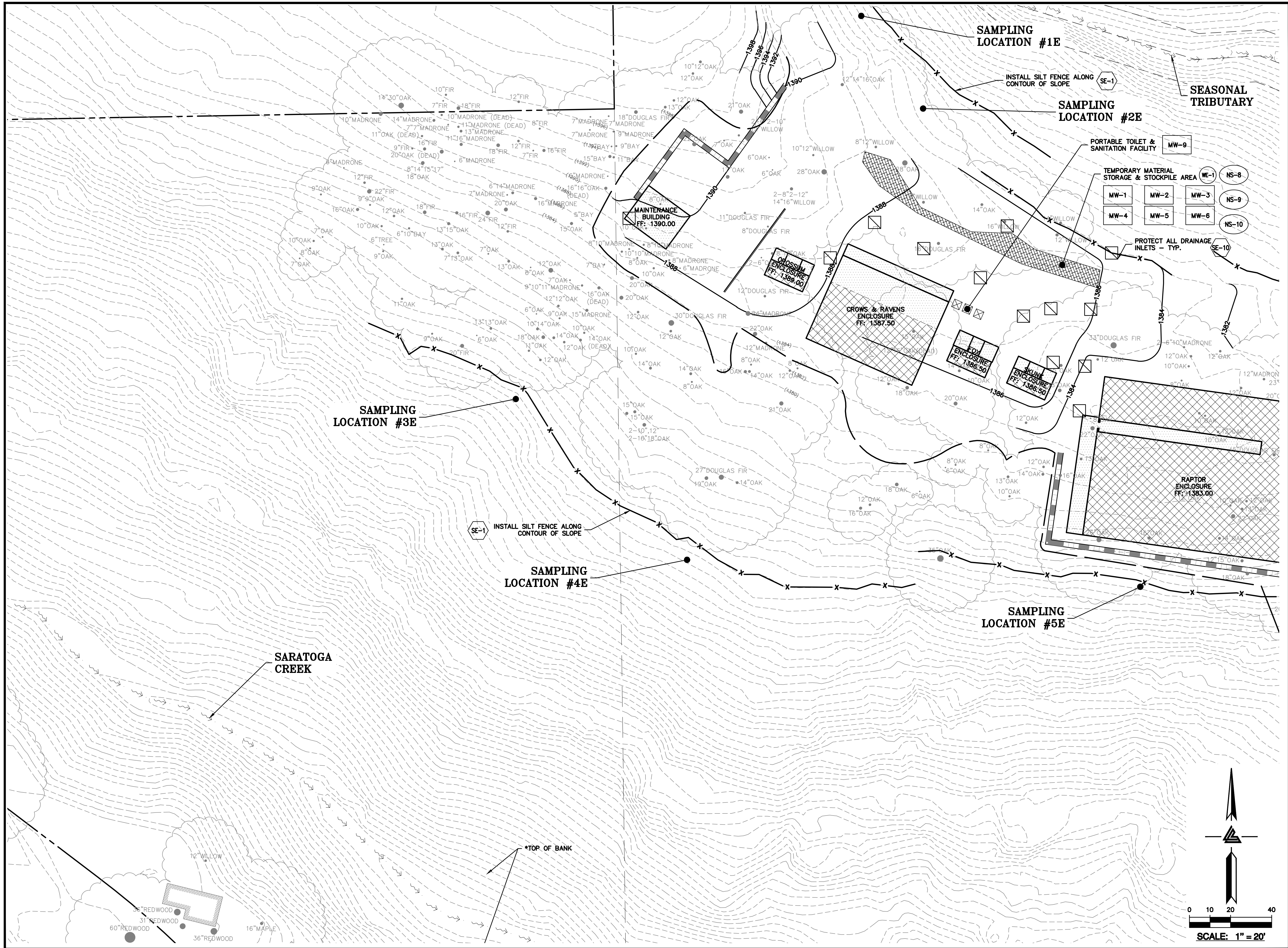
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SHEET TITLE
**PHASE 2 BMP PLAN
BUILDING & UTILITIES**

SCALE
1" = 20'
Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-9.16

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943



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HAYWARD, CALIFORNIA 94543
(P) (510) 887-4086 (F) (510) 887-3018
WWW.LEABRAZE.COM

ISSUES AND REVISIONS	
DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL PERMIT MODIFICATION
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2 PLAN CHECK 1
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 - PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

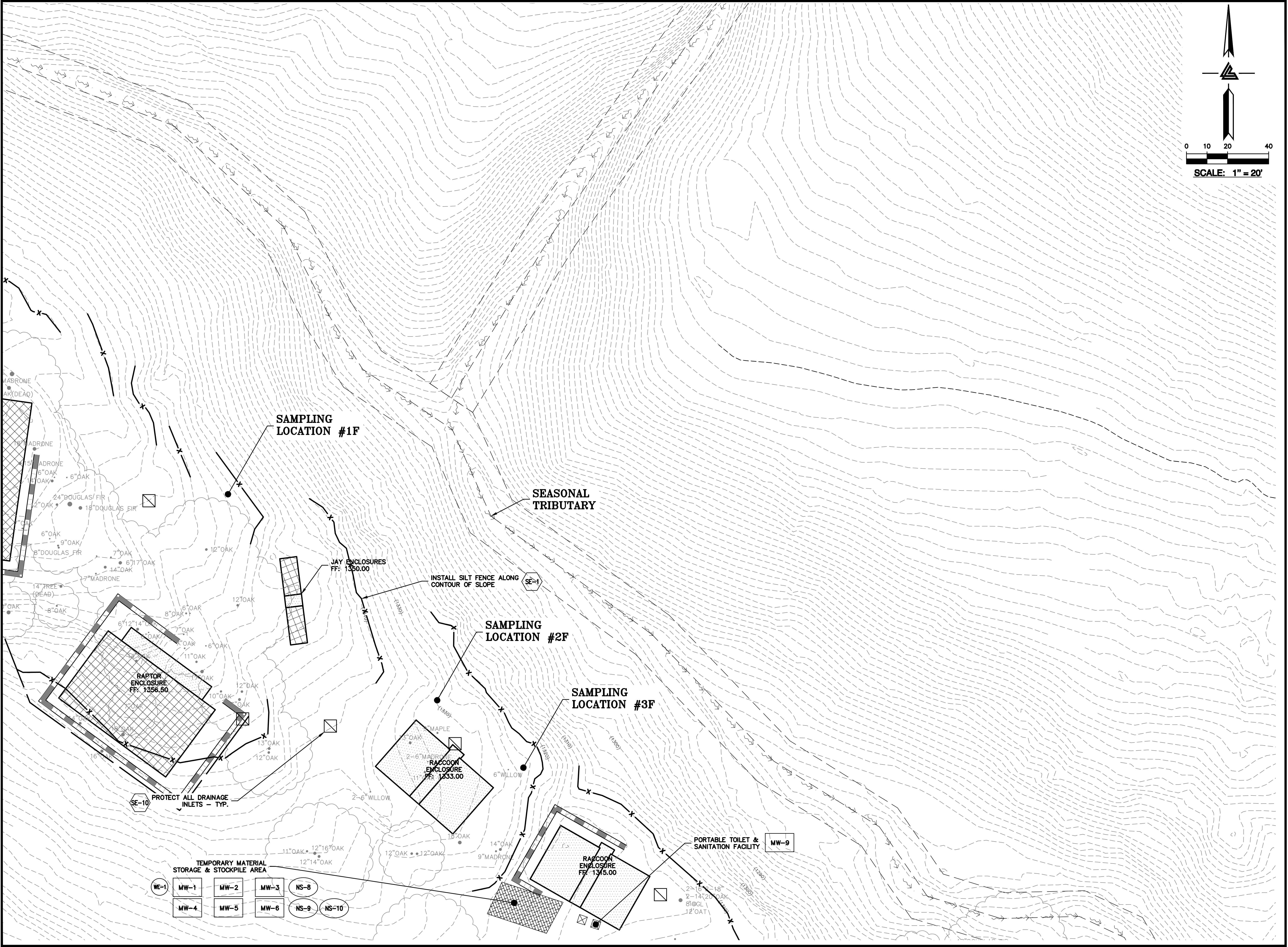
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SHEET TITLE
**PHASE 2 BMP PLAN
BUILDING & UTILITIES**

SCALE
1" = 20'
Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-9.17

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943



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BAY AREA REGION: 1000 WEST
HAYWARD, CALIFORNIA 94543
(P) (510) 887-4086 (F) (510) 887-3018
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SACRAMENTO REGION: 300
ROSEVILLE, CA 95661
(P) (916) 946-1338 (F) (916) 947-7553

ISSUES AND REVISIONS	
DATE	DESCRIPTION
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03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2
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05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 - PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

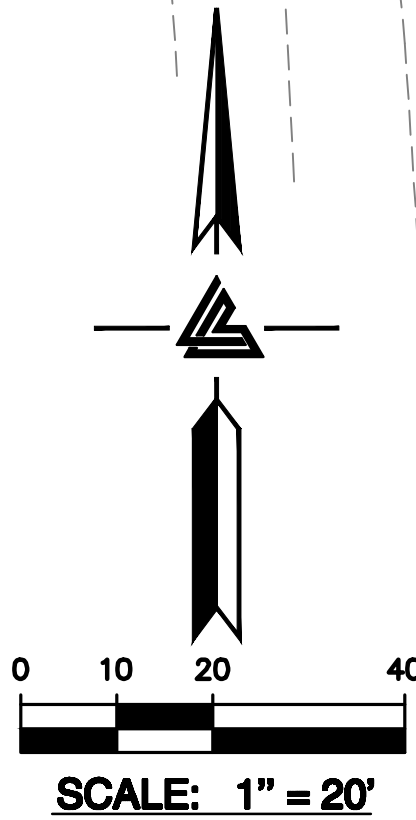
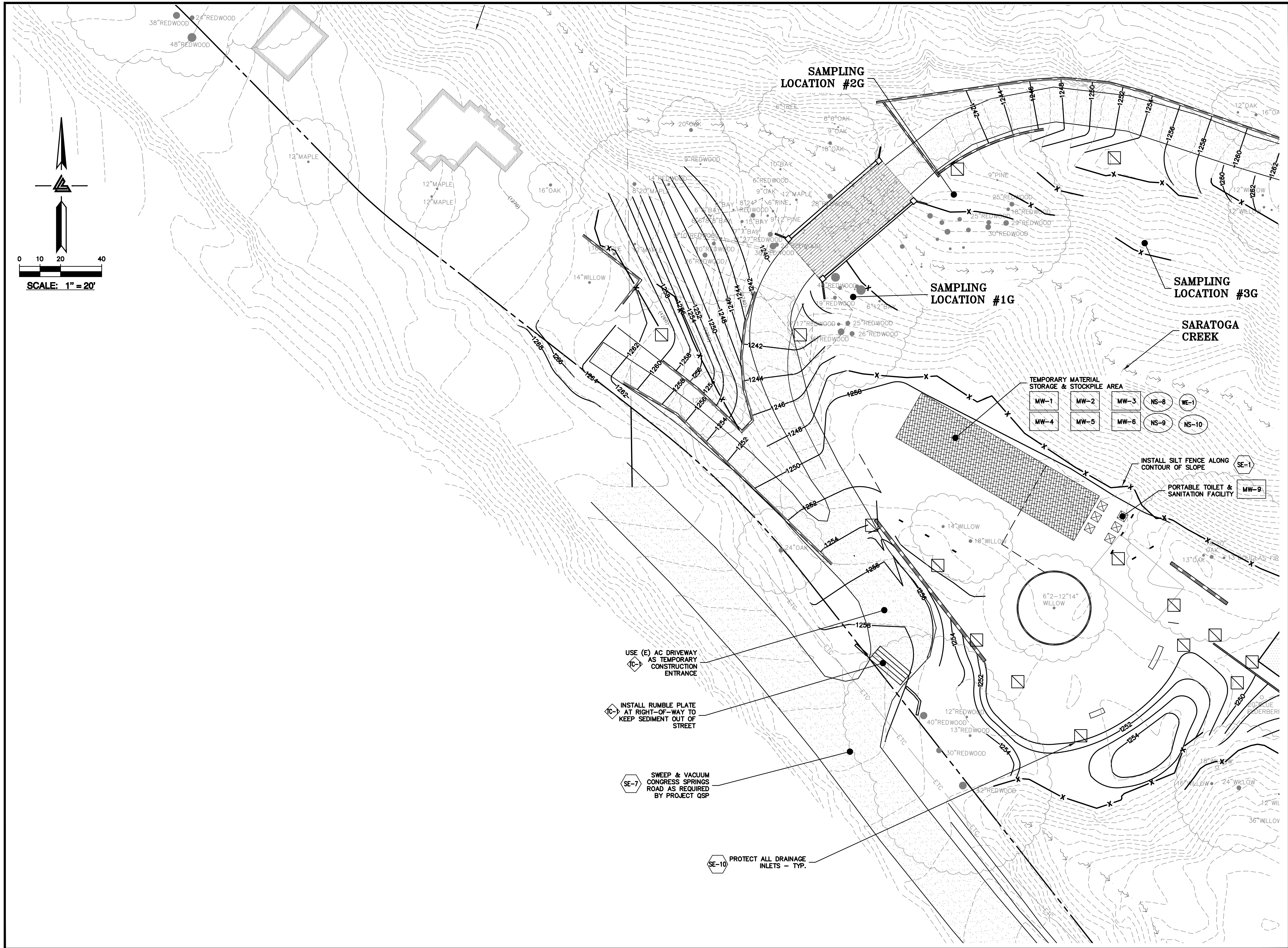
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SHEET TITLE
**PHASE 2 BMP PLAN
BUILDING & UTILITIES**

SCALE
1" = 20'
Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-9.18

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943



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CIVIL ENGINEERS • LAND SURVEYORS
BAY AREA REGION: 1000 WEST
HAYWARD, CALIFORNIA 94543
SACRAMENTO REGION: 300
ROSEVILLE, CA 95661
(P) (916) 946-1338
(P) (510) 887-4086
(F) (510) 887-3018
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ISSUES AND REVISIONS	
DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
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08-06-19	PHASE 4 - PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
**PHASE 2 BMP PLAN
BUILDING & UTILITIES**

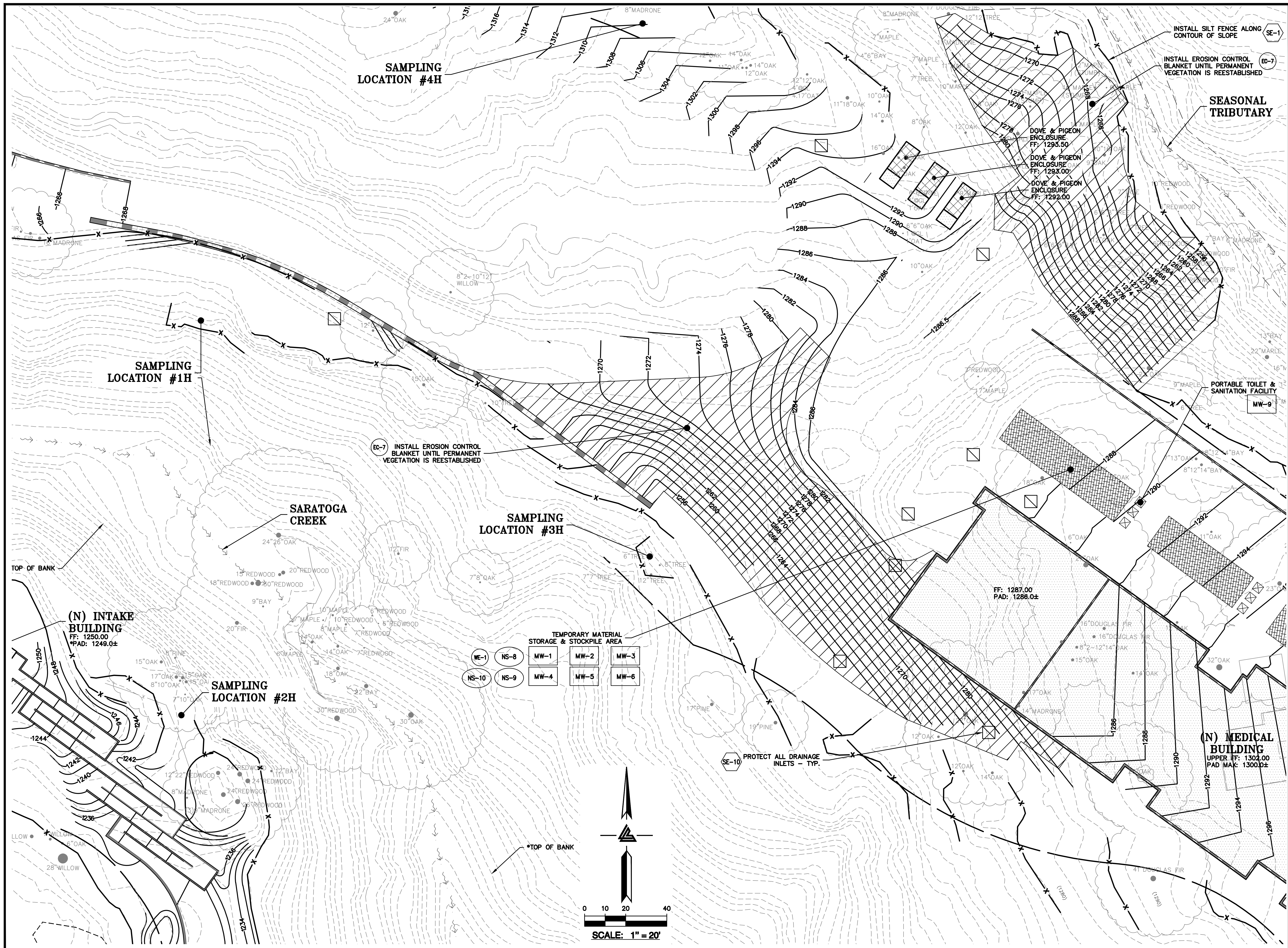
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1" = 20'
PC / CA
Designed By
Checked By
LB Job No. 2130712

SHEET NUMBER
C-9.19

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943

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BAY AREA REGION
1000 WEST
HAYWARD, CALIFORNIA 94543
(P) (916) 948-1338
(P) (510) 887-4086
(F) (510) 887-3018
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ISSUES AND REVISIONS	
DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL PLAN CHECK 1
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2 BID SET
04-22-19	BID SET
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08-06-19	PHASE 4 - PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-176
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

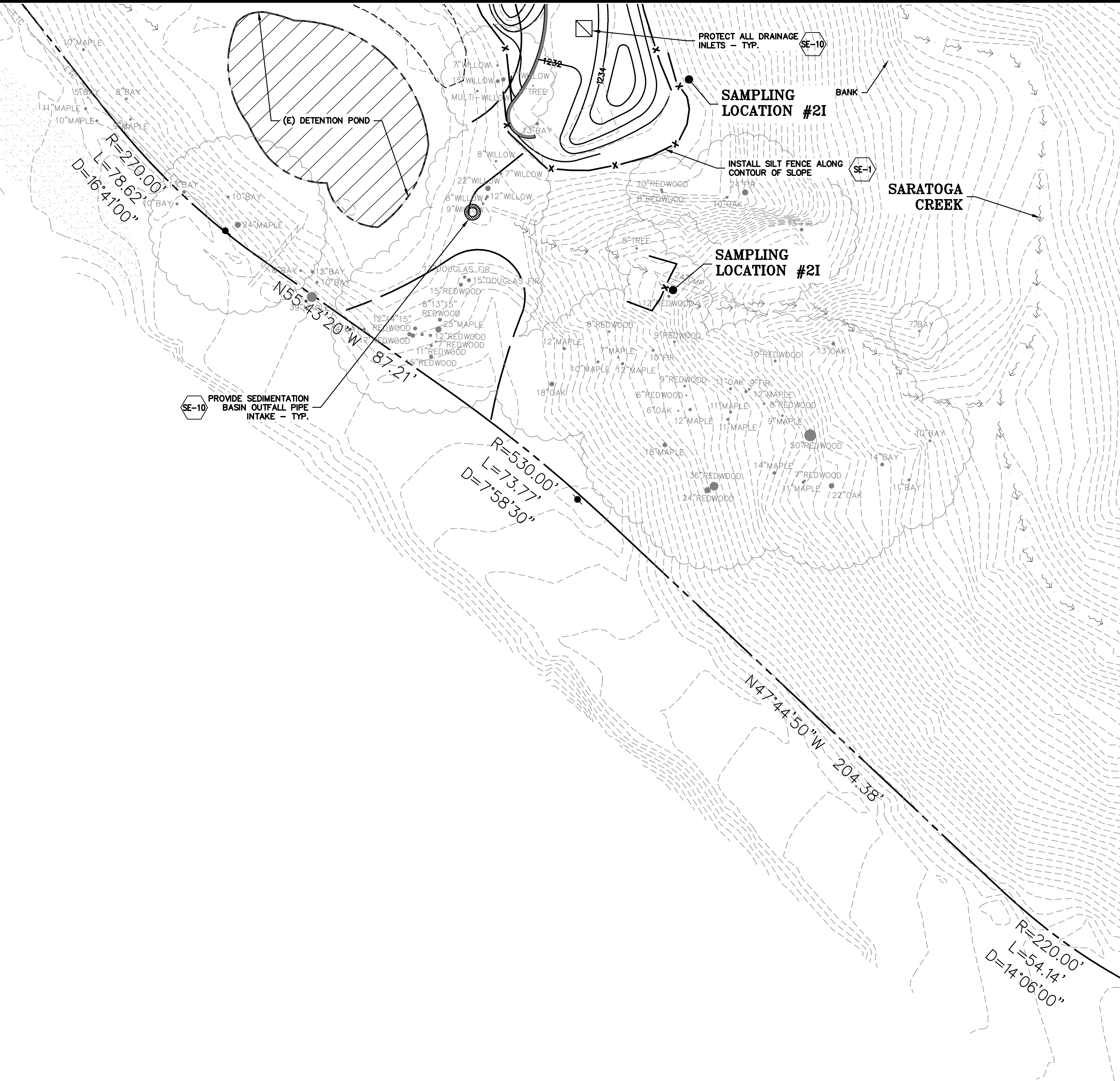
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SHEET TITLE
**PHASE 2 BMP PLAN
BUILDING & UTILITIES**

SCALE
1" = 20'
PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-9.20

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943



ISSUES AND REVISIONS	
DATE	DESCRIPTION
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03-26-19	PLAN CHECK 1
04-11-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM
05-22-19	UTILITY PLAN CHECK
08-06-19	PHASE 4 – PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION
07-22-20	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE

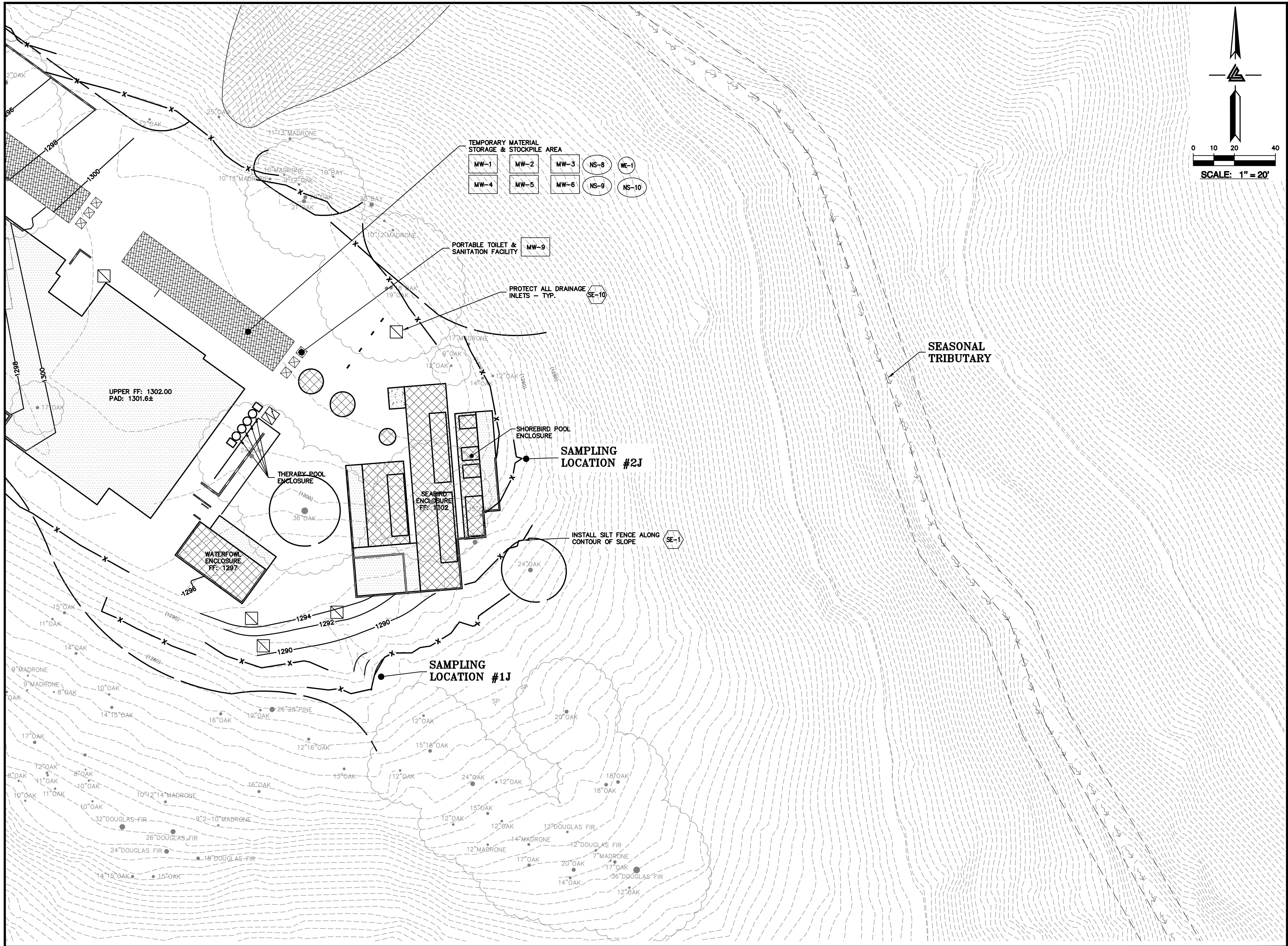
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BUILDING & UTILITIES**

SCALE
1" = 20'
Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER

C-9.21

ASA/USE PERMIT
MODIFICATION #3
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CIVIL ENGINEERS • LAND SURVEYORS
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HAYWARD, CALIFORNIA 94543
(P) (510) 887-4086 (F) (510) 887-3018
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ISSUES AND REVISIONS	
DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2
04-22-19	BID SET
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05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 - PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE
07-22-20	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

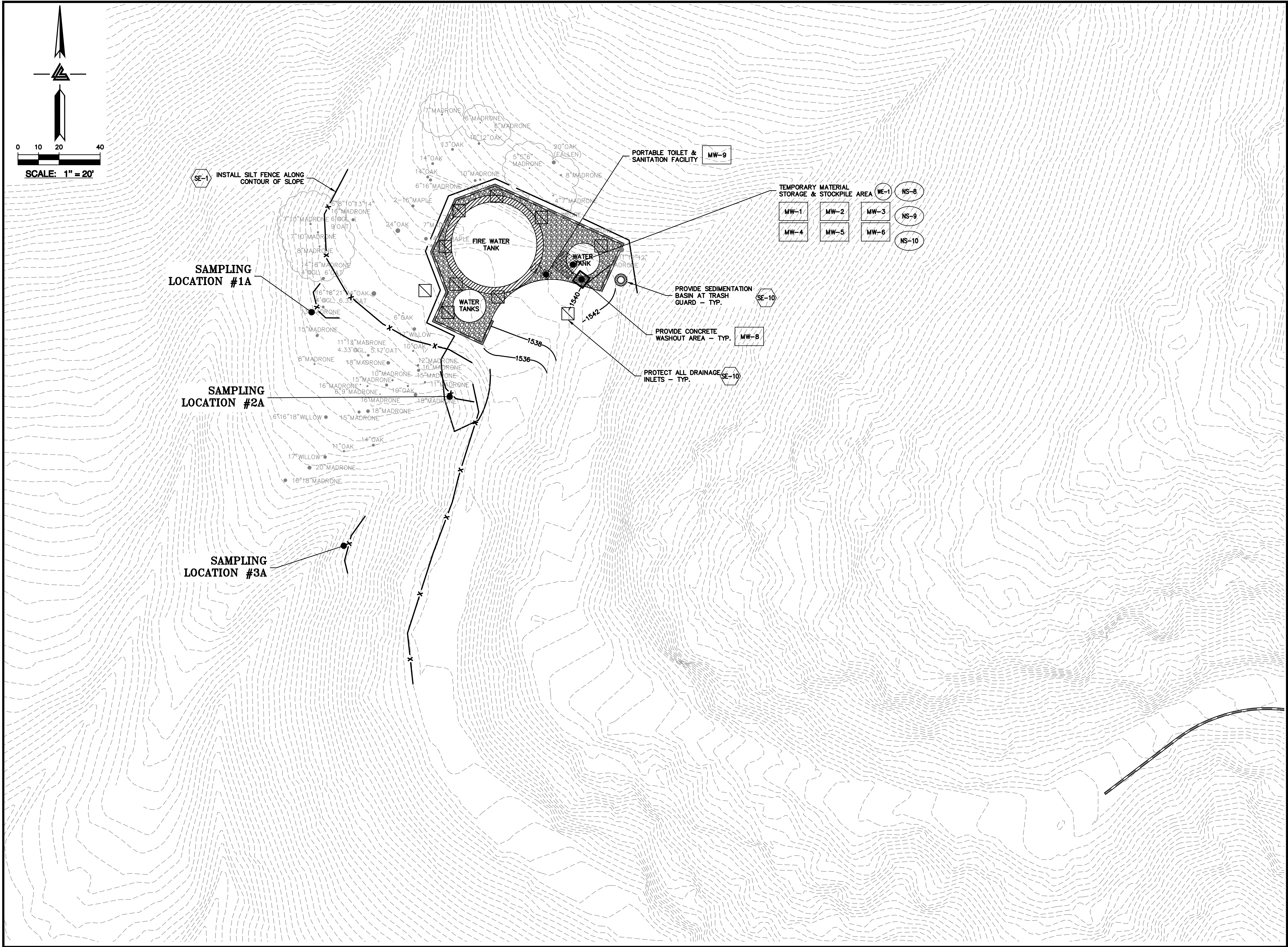
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SHEET TITLE
**PHASE 2 BMP PLAN
BUILDING & UTILITIES**

SCALE
1" = 20'
Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-9.23

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943



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HAYWARD, CALIFORNIA 94545
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ISSUES AND REVISIONS	
DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL PLAN CHECK 1
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
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05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 - PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE
07-22-20	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
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GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

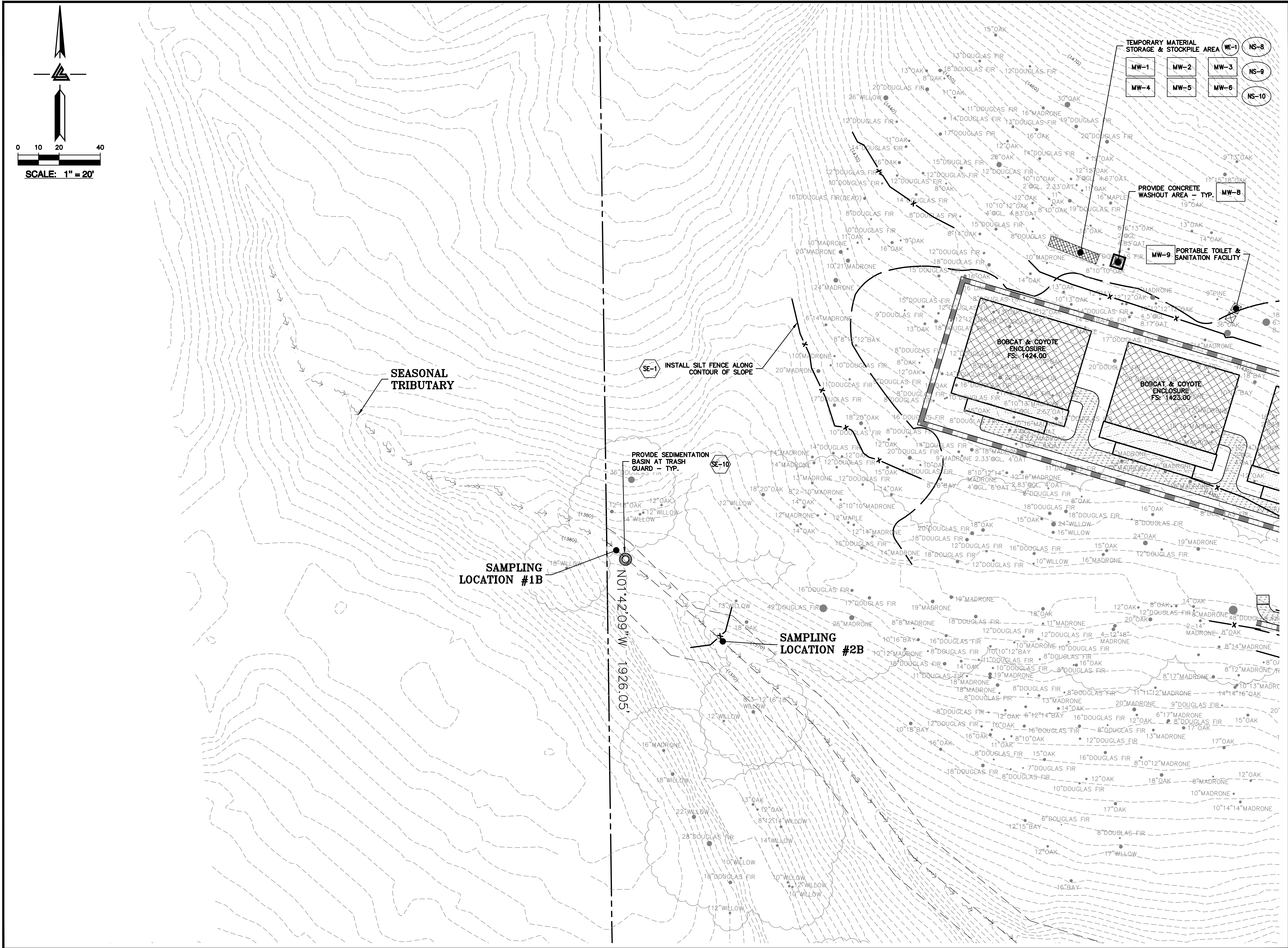
PROJECT NUMBER
16011.00

SHEET TITLE
**PHASE 3 BMP PLAN
PAVING & FINAL
LANDSCAPE**

SCALE
1" = 20'
PC / CA
Designed By
Checked By
LB Job No. 2130712

SHEET NUMBER
C-9.24

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943



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(F) (510) 887-3018
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ISSUES AND REVISIONS	
DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL PLAN CHECK 1
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
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09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
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GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

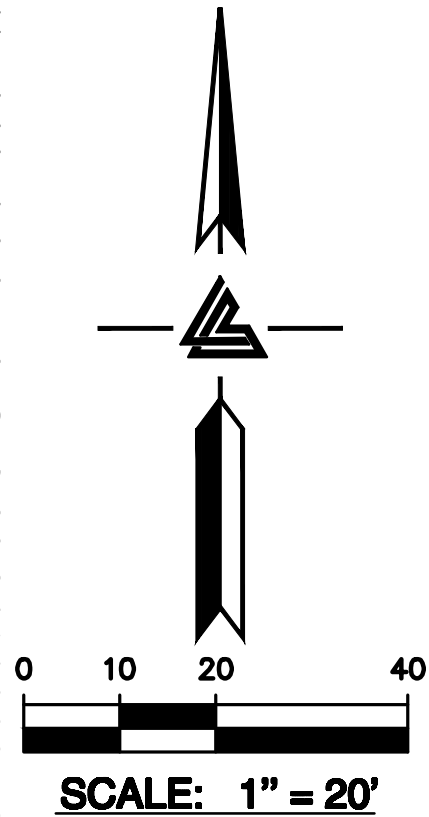
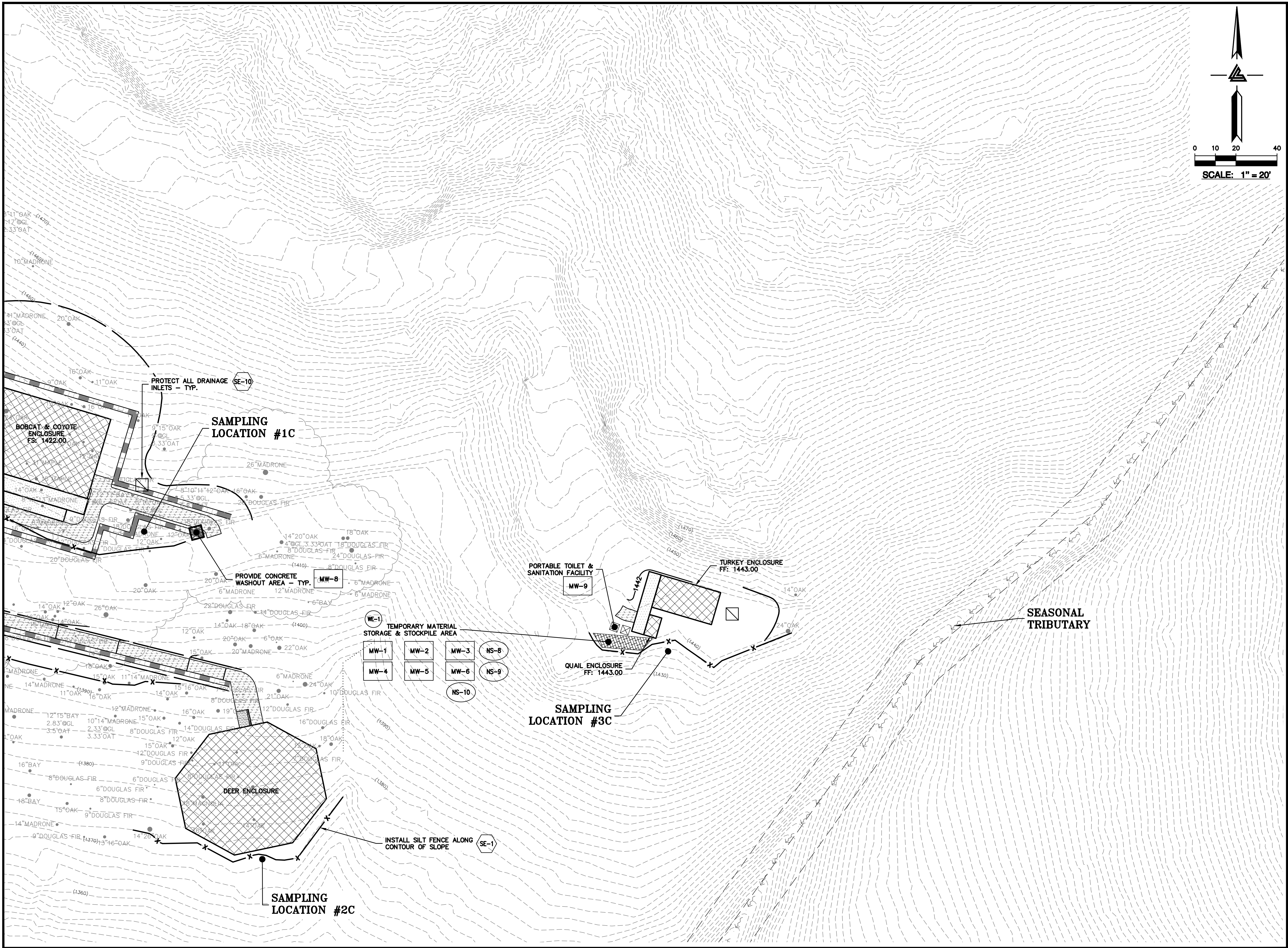
PROJECT NUMBER
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SHEET TITLE
**PHASE 3 BMP PLAN
PAVING & FINAL
LANDSCAPE**

SCALE
1" = 20'
PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-9.25

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943



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CIVIL ENGINEERS • LAND SURVEYORS
BAY AREA REGION: 1000 WEST
HAYWARD, CALIFORNIA 94543
(P) (510) 887-4086
(F) (510) 887-3018
WWW.LEABRAZE.COM
SACRAMENTO REGION: 300
ROSEVILLE, CA 95661
(P) (916) 946-1338
(F) (916) 947-7553

ISSUES AND REVISIONS	
DATE	DESCRIPTION
09-06-18	GRADING PERMIT
12-21-18	PLAN CHECK 4
03-26-19	PERMIT RESUBMITTAL
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05-29-20	CONSTRUCTION SET 1
07-22-20	PERMIT MODIFICATION 2
	PLAN CHECK RESPONSE
	PERMIT MODIFICATION 2
	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
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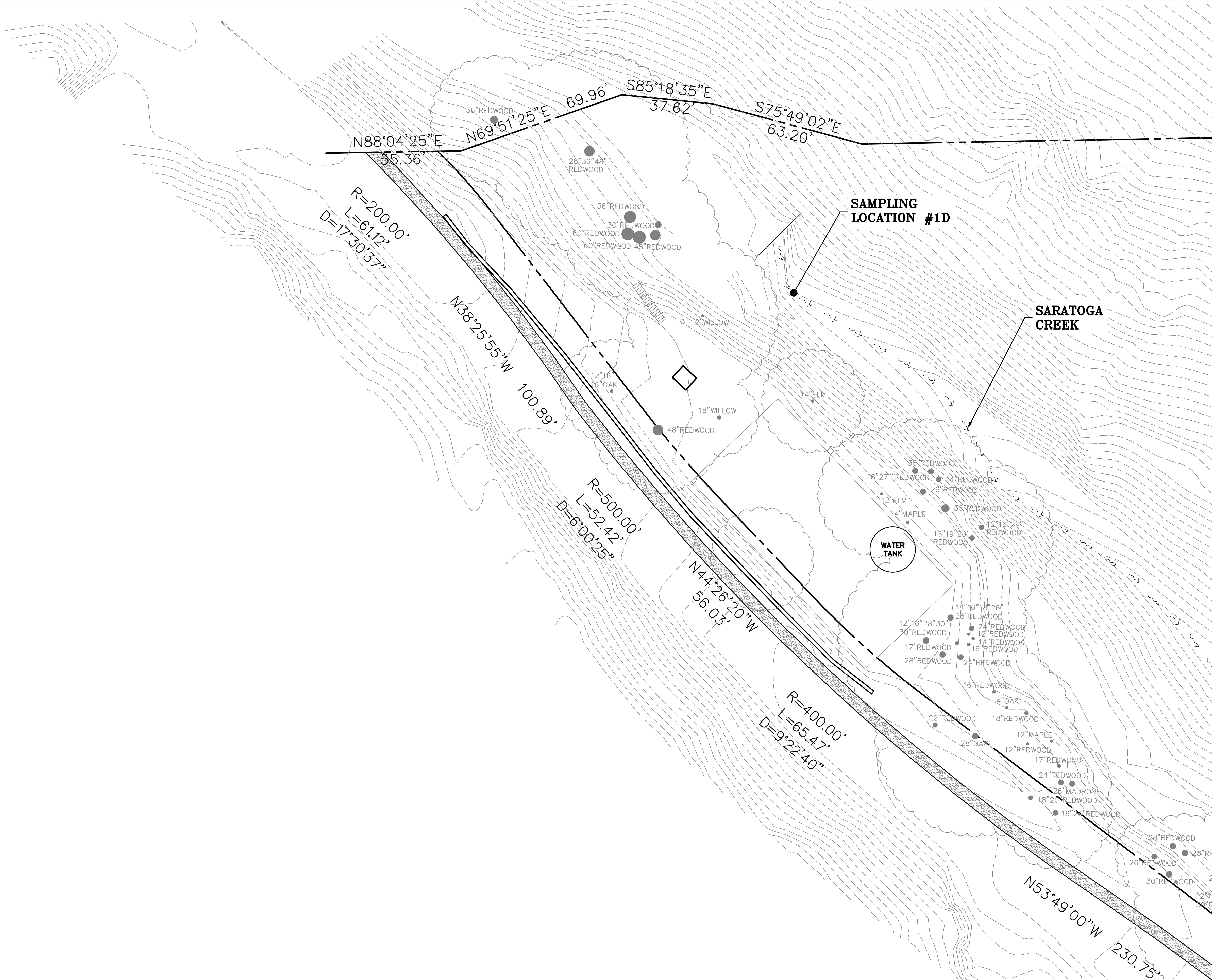
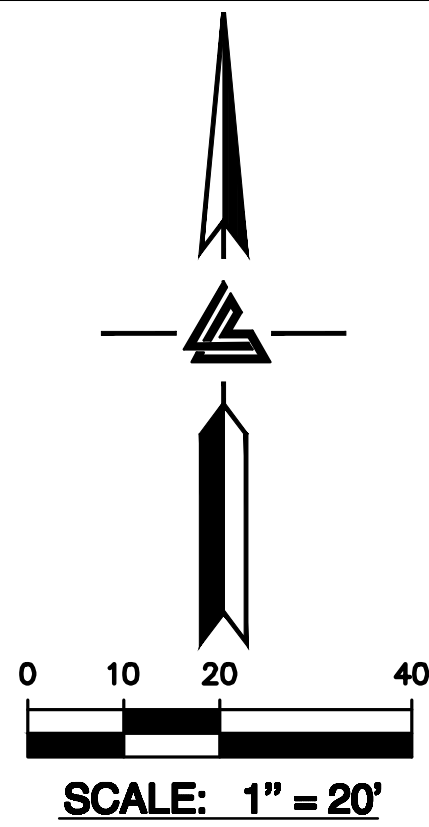
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SHEET TITLE
**PHASE 3 BMP PLAN
PAVING & FINAL
LANDSCAPE**

SCALE
1" = 20'
Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-9.26

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943



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SARATOGA, CA



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CIVIL ENGINEERS • LAND SURVEYORS
BAY AREA REGION: 300
HAYWARD, CA 94543
SACRAMENTO REGION: 300
ROSEVILLE, CA 95661
(P) (916) 948-1338
(P) (510) 887-4086
(F) (916) 977-7553
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DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL PLAN CHECK 1
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2 BID SET
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08-06-19	PHASE 4 - PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-176
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
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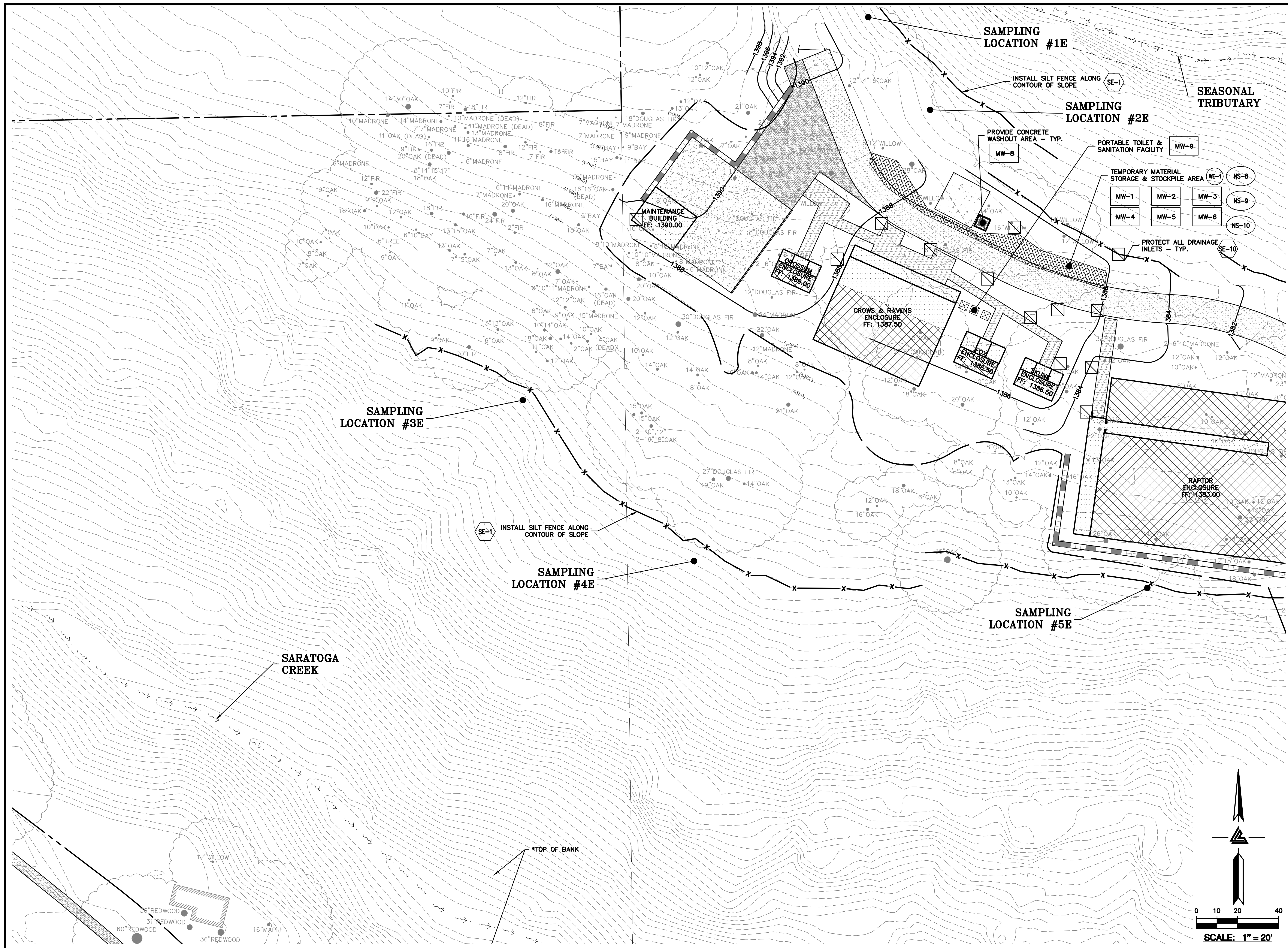
SHEET TITLE
**PHASE 3 BMP PLAN
PAVING & FINAL
LANDSCAPE**

SCALE
1" = 20'
PC / CA
PC / JL
LB Job No. 2130712

SHEET NUMBER

C-9.27

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943



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LEA & BRAZE ENGINEERING, INC.
CIVIL ENGINEERS • LAND SURVEYORS
BAY AREA REGION: 300 JEFFERSON AVE., SUITE 200, SAN FRANCISCO, CA 94102
SACRAMENTO REGION: 1000 WEST 10TH AVE., SUITE 100, SACRAMENTO, CA 95811
ROSELLE, CA 94568
(P) (916) 946-1338
(F) (916) 946-1338
(P) (510) 887-4086
(F) (510) 887-3018
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ISSUES AND REVISIONS	
DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
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05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 - PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE
07-22-20	PERMIT MODIFICATION 2
	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

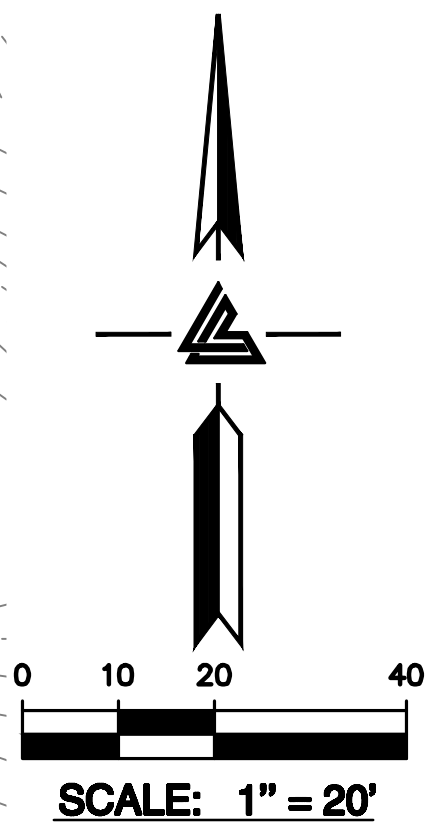
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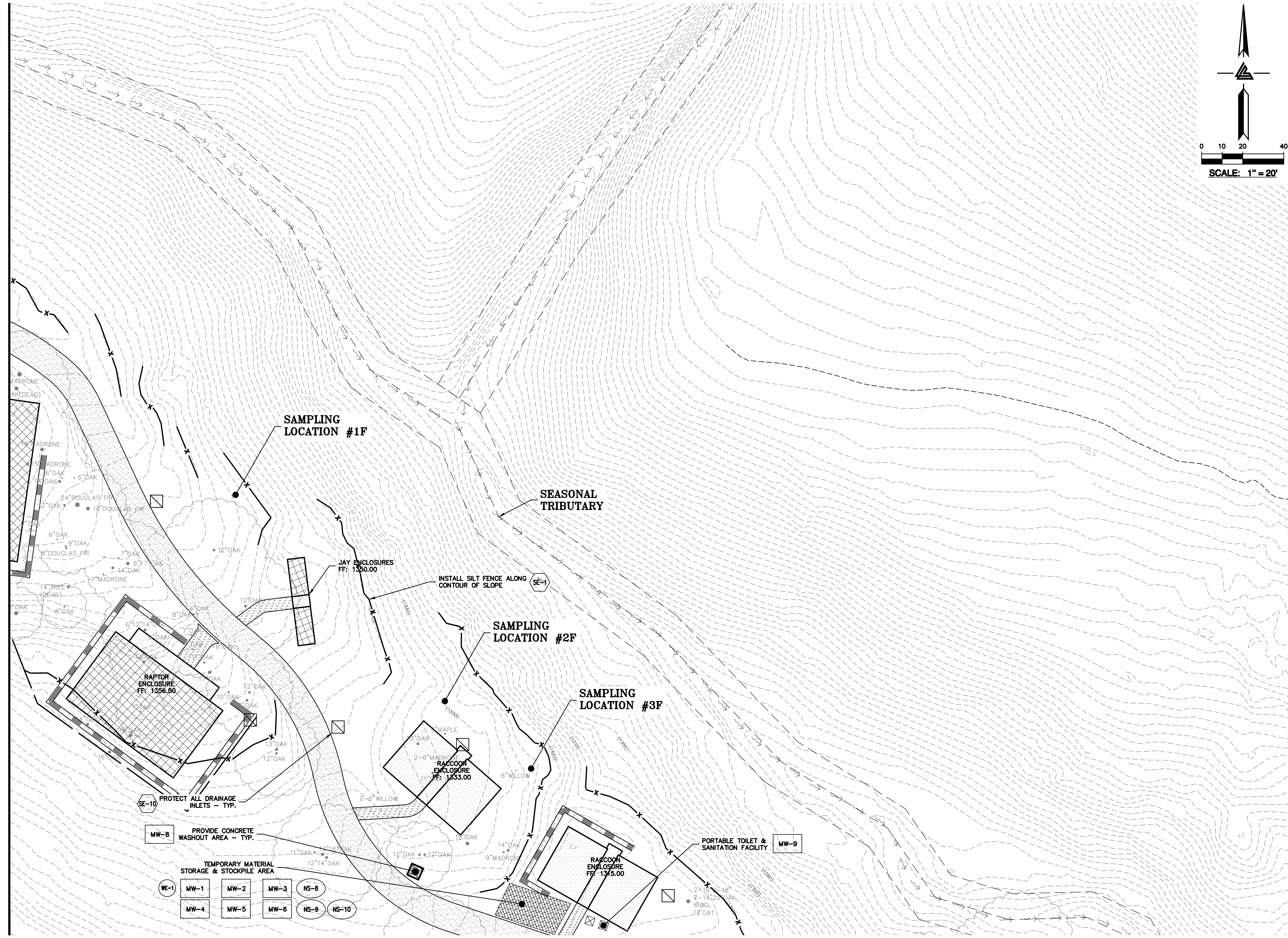
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**PHASE 3 BMP PLAN
PAVING & FINAL
LANDSCAPE**

SCALE
1" = 20'
Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-9.28

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943





ELLISON CONSERVATION
CENTER FOR WILDLIFE CARE
SARATOGA, CA



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ISSUES AND REVISIONS	
DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION
04-11-19	PLAN CHECK 1
04-22-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 - PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE
07-22-20	PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

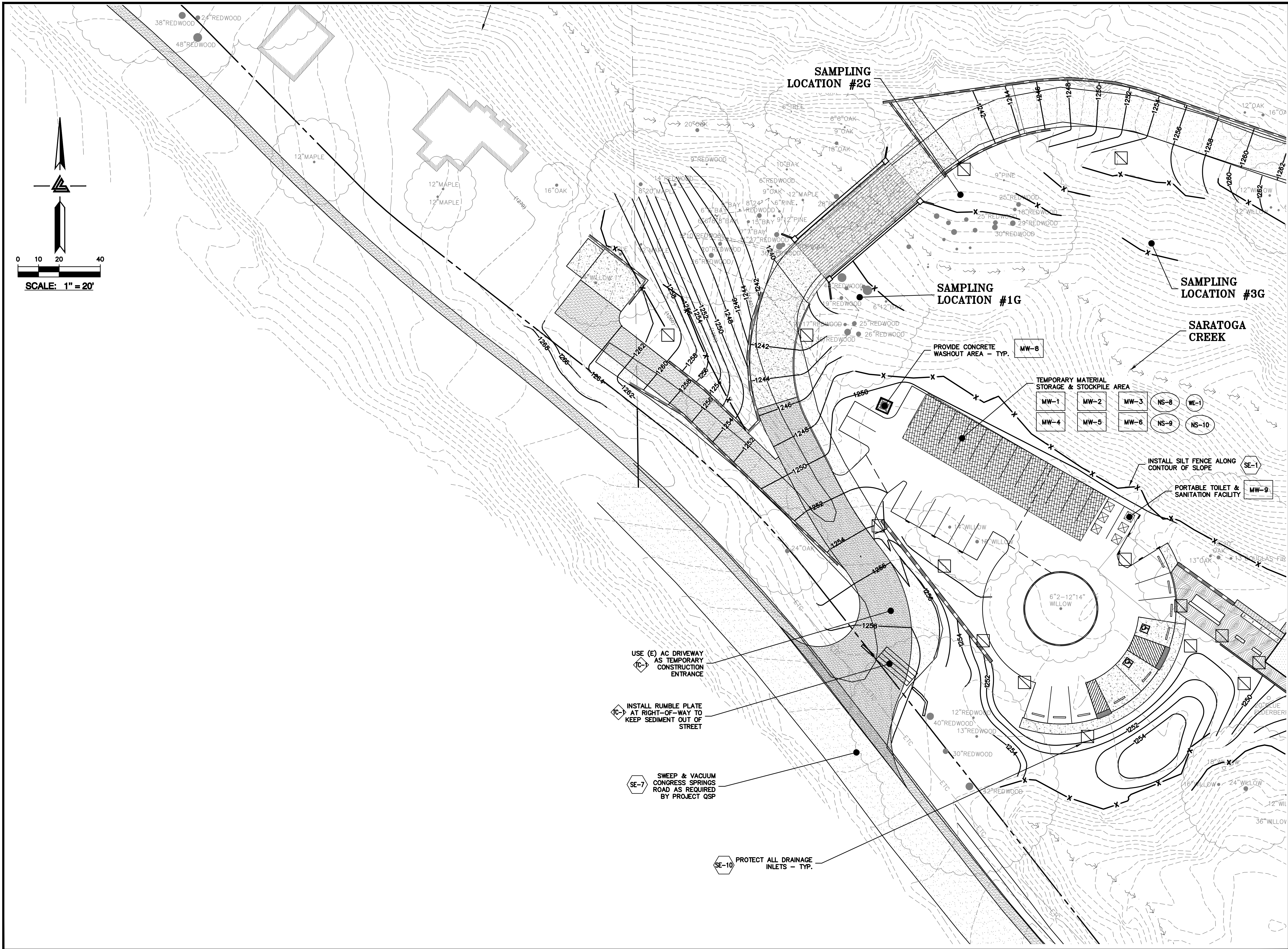
PROJECT NUMBER
16011.00

SHEET TITLE
**PHASE 3 BMP PLAN
PAVING & FINAL
LANDSCAPE**

SCALE
1" = 20'
Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-9.29

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943



ELLISON CONSERVATION
CENTER FOR WILDLIFE CARE
SARATOGA, CA



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ARCHITECTS
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ISSUES AND REVISIONS	
DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL PLAN CHECK 1
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2 BID SET
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 - PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

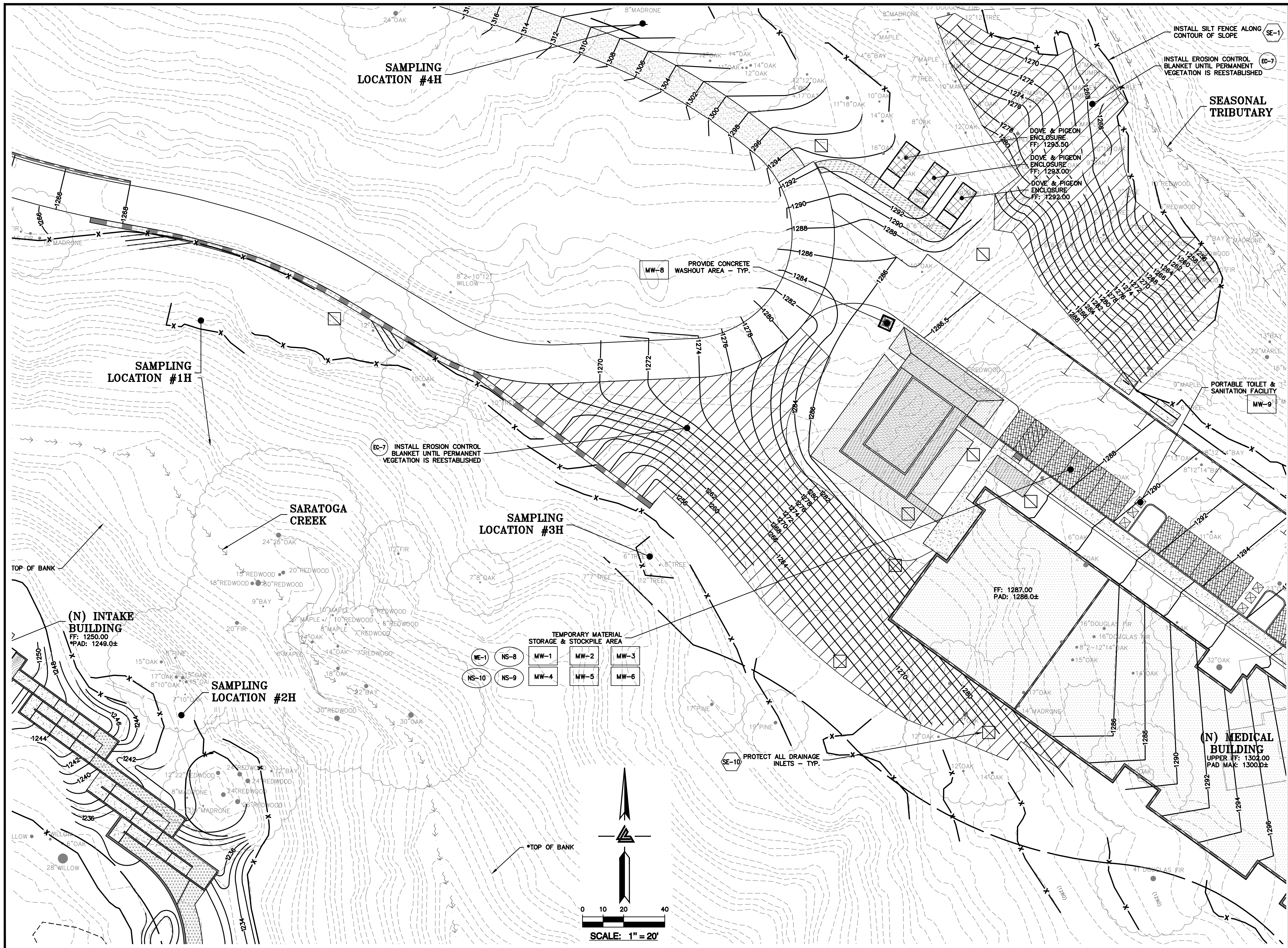
PROJECT NUMBER
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SHEET TITLE
**PHASE 3 BMP PLAN
PAVING & FINAL
LANDSCAPE**

SCALE
1" = 20'
Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-9.30

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943



DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL PLAN CHECK 1
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2 BID SET
04-22-19	BID SET
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09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-176
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

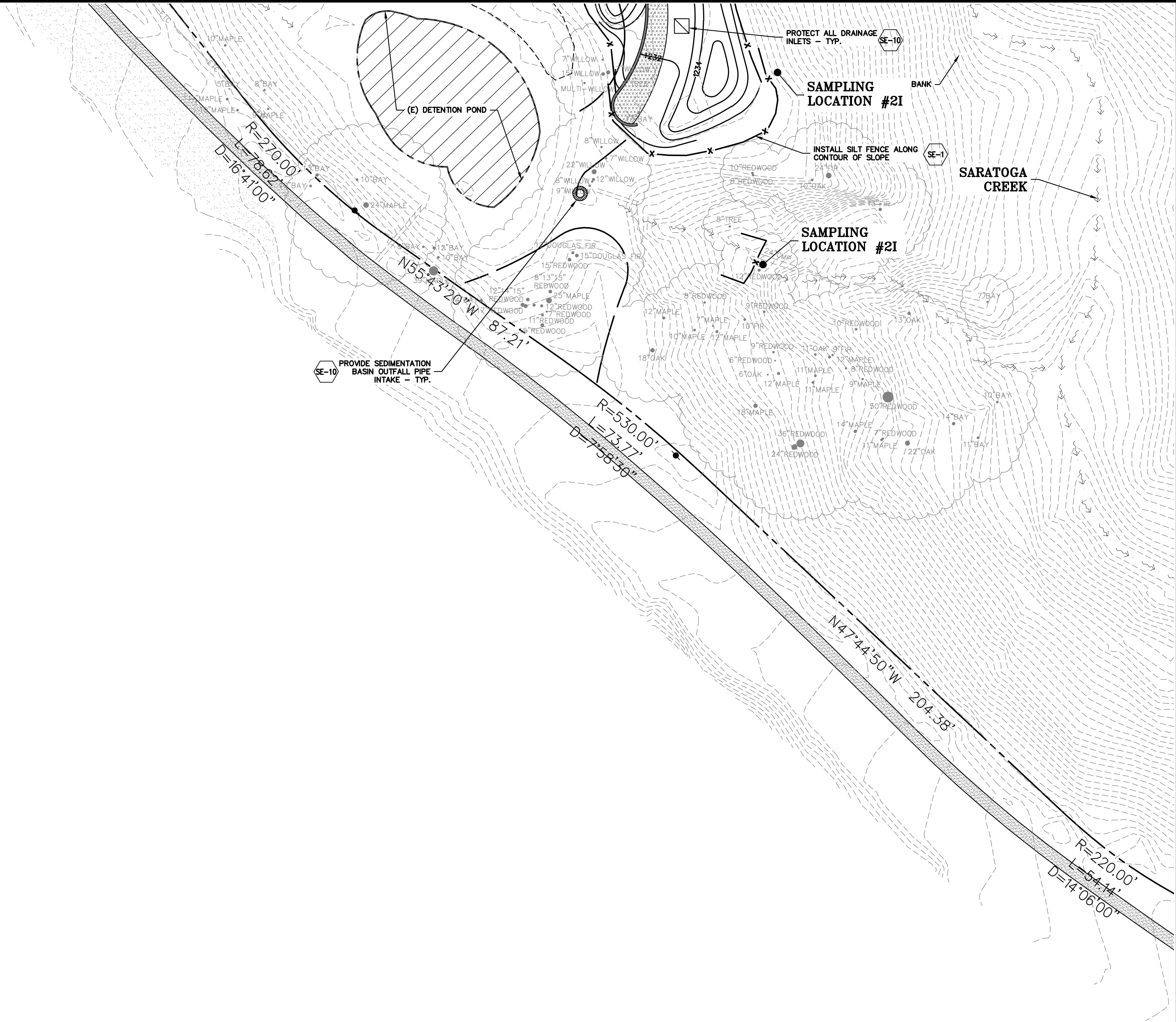
PROJECT NUMBER
16011.00

SHEET TITLE
PHASE 3 BMP PLAN PAVING & FINAL LANDSCAPE

SCALE
1" = 20'
Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-9.31

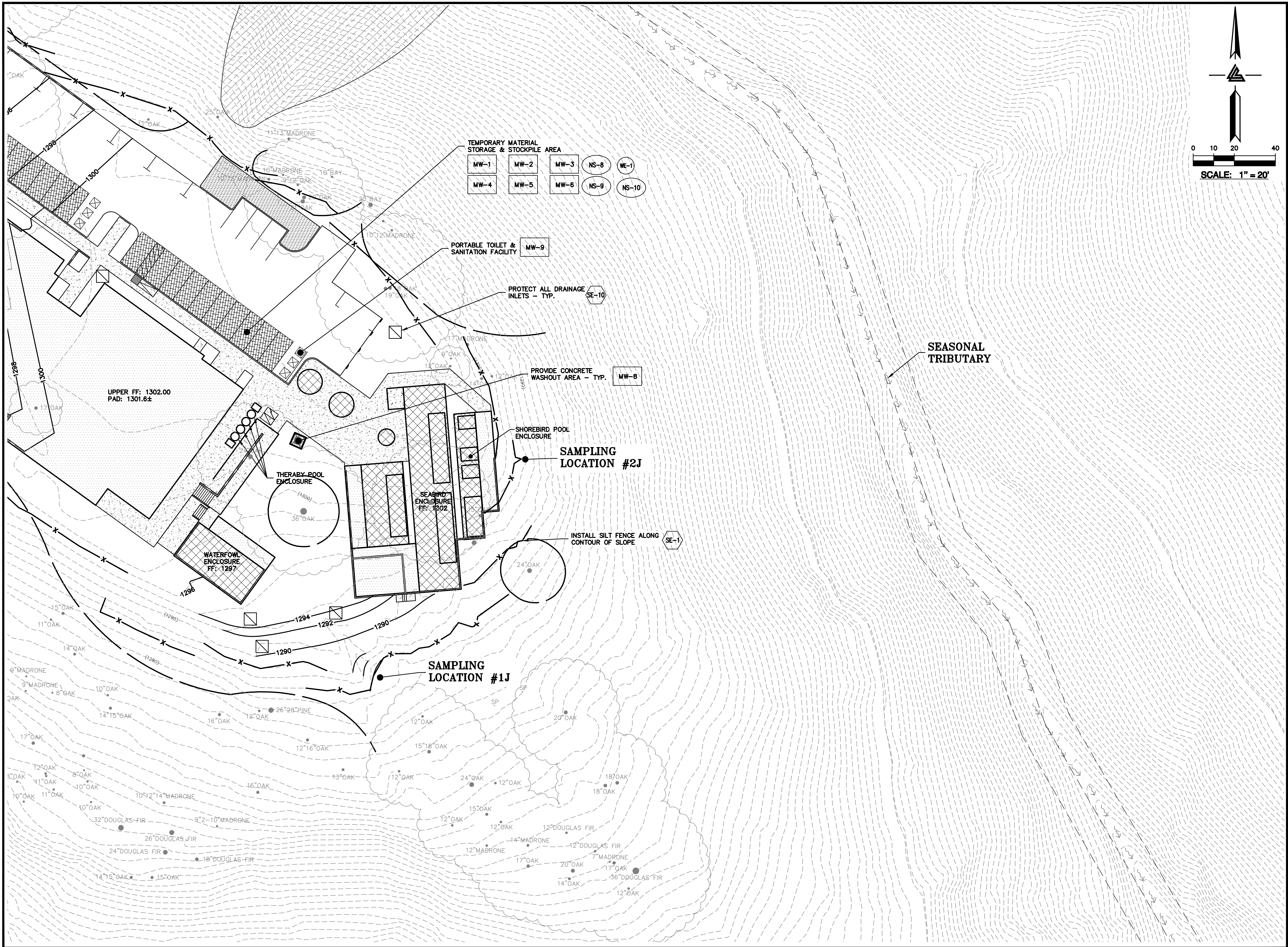
ASA/USE PERMIT MODIFICATION #3 PLN-17-6943
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SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

C-9.32

PLOT: 2/16/2021 11:53:54 AM



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01-28-20	PLAN CHECK RESPONSE
05-29-20	PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
**PHASE 3 BMP PLAN
PAVING & FINAL
LANDSCAPE**

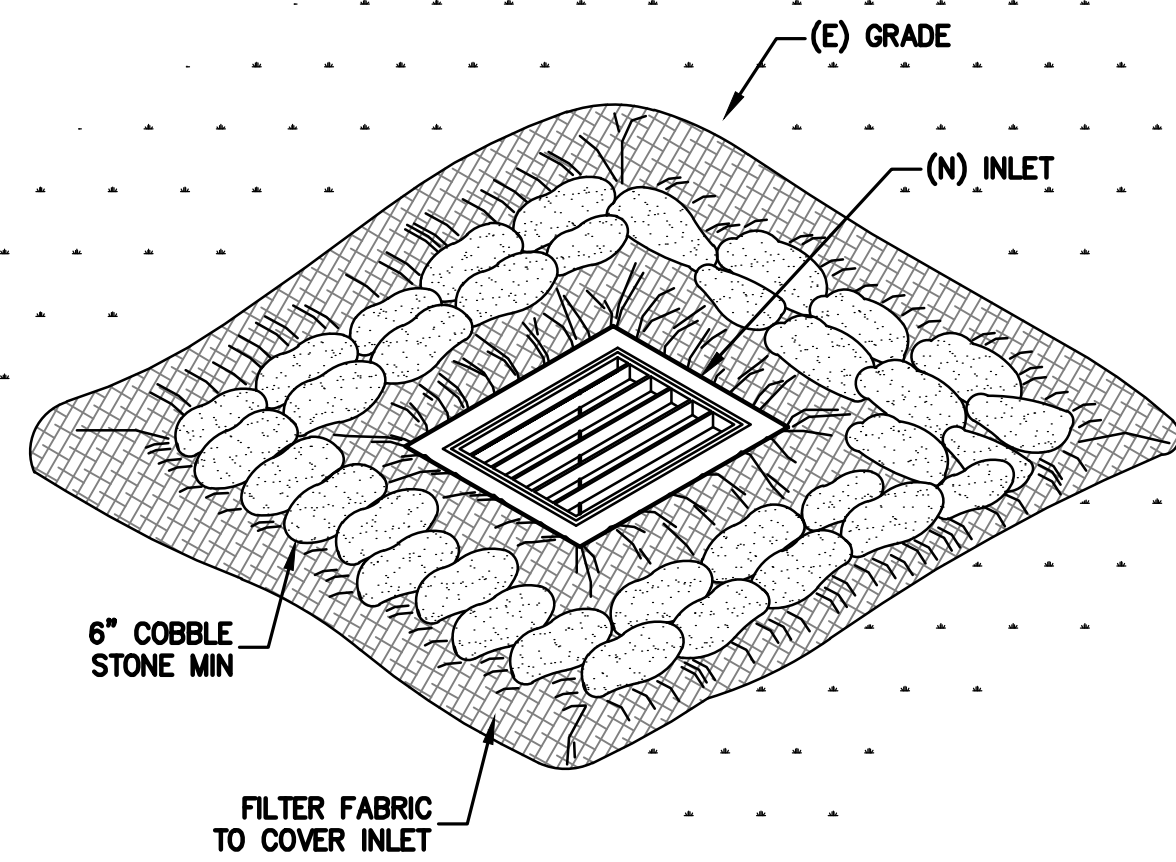
SCALE
1" = 20'
Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-9.33

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943

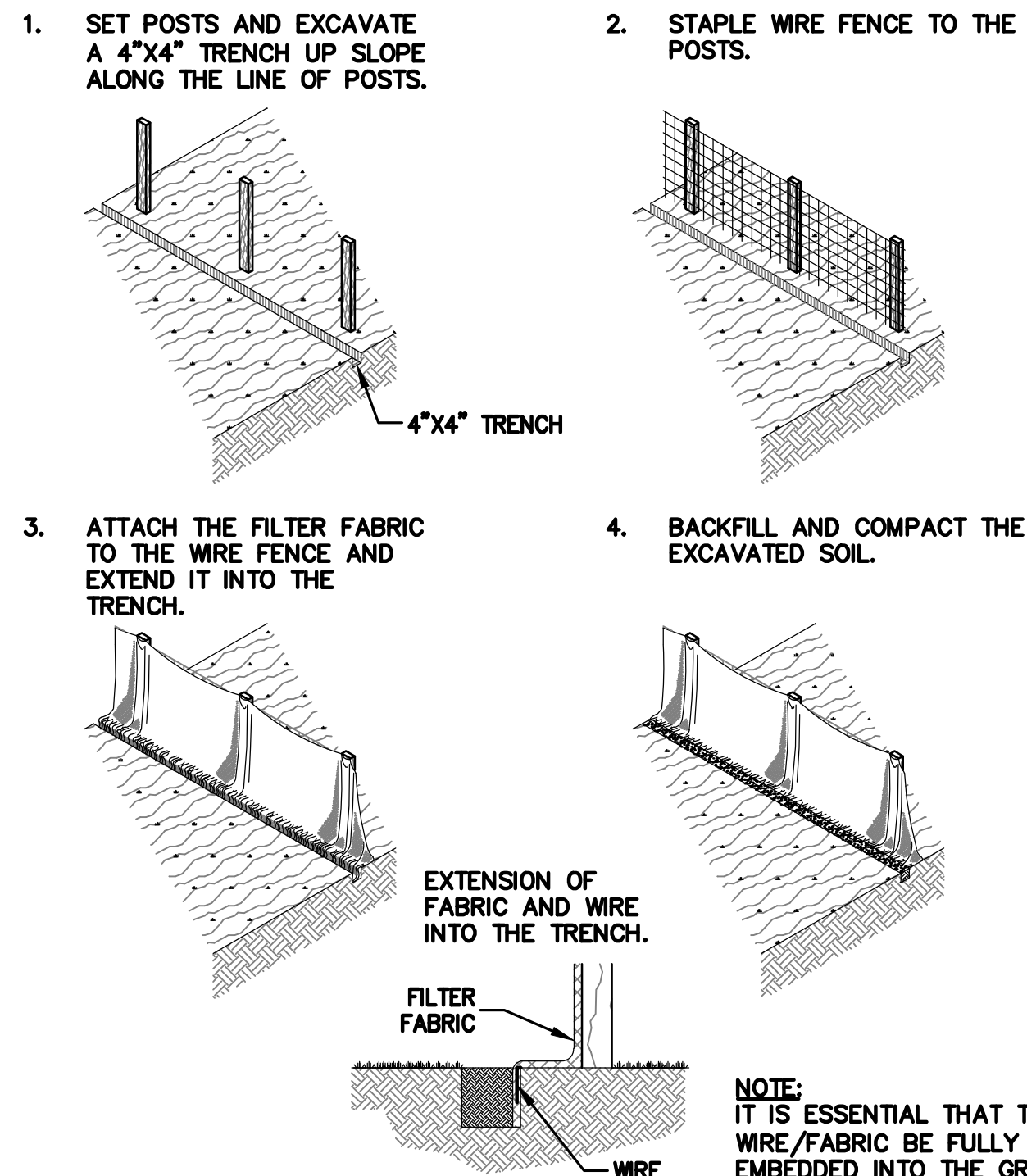
**SANTA CLARA COUNTY
RECORD INFORMATION**
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

C-9.34



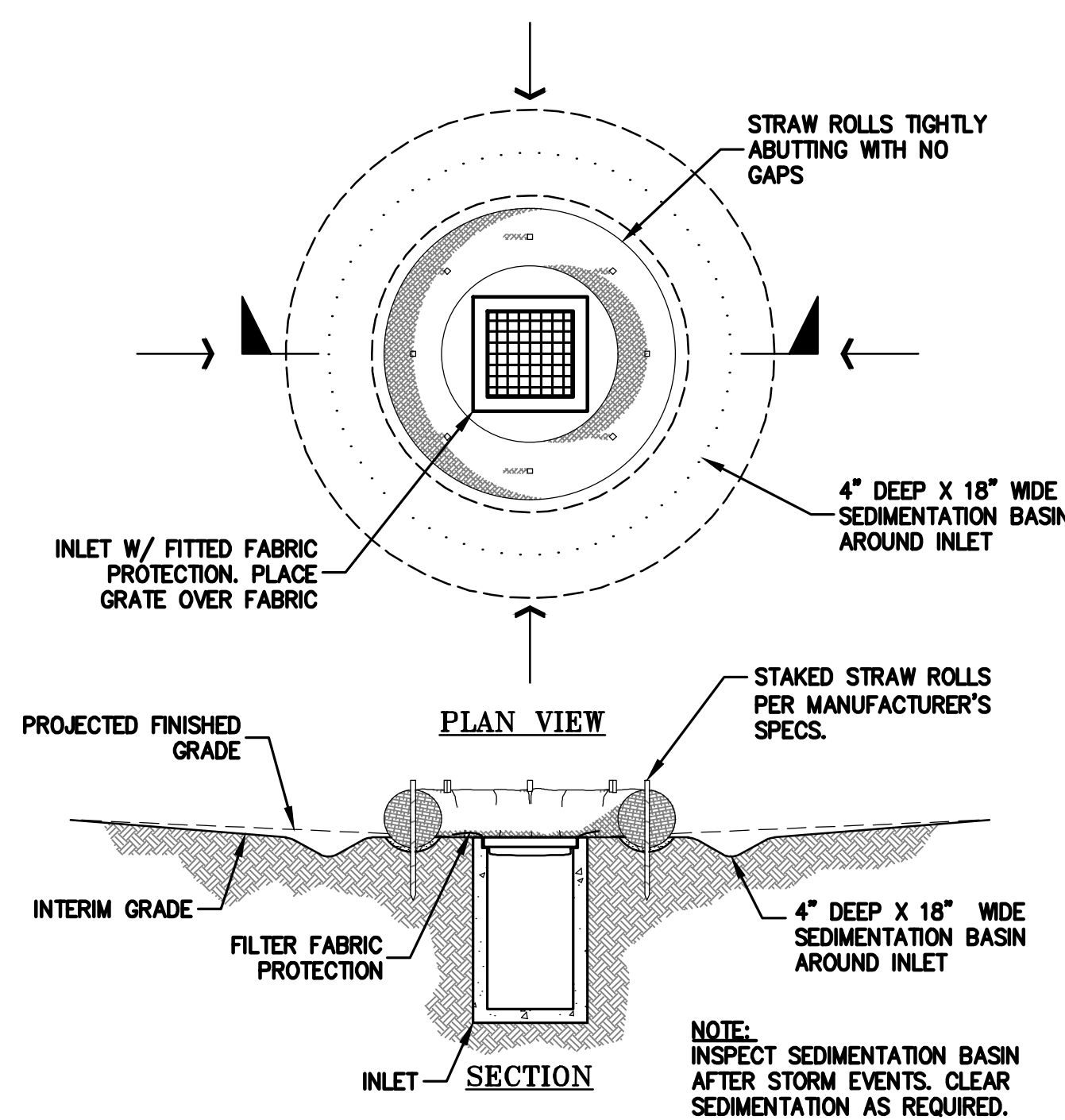
INLET PROTECTION

NTS



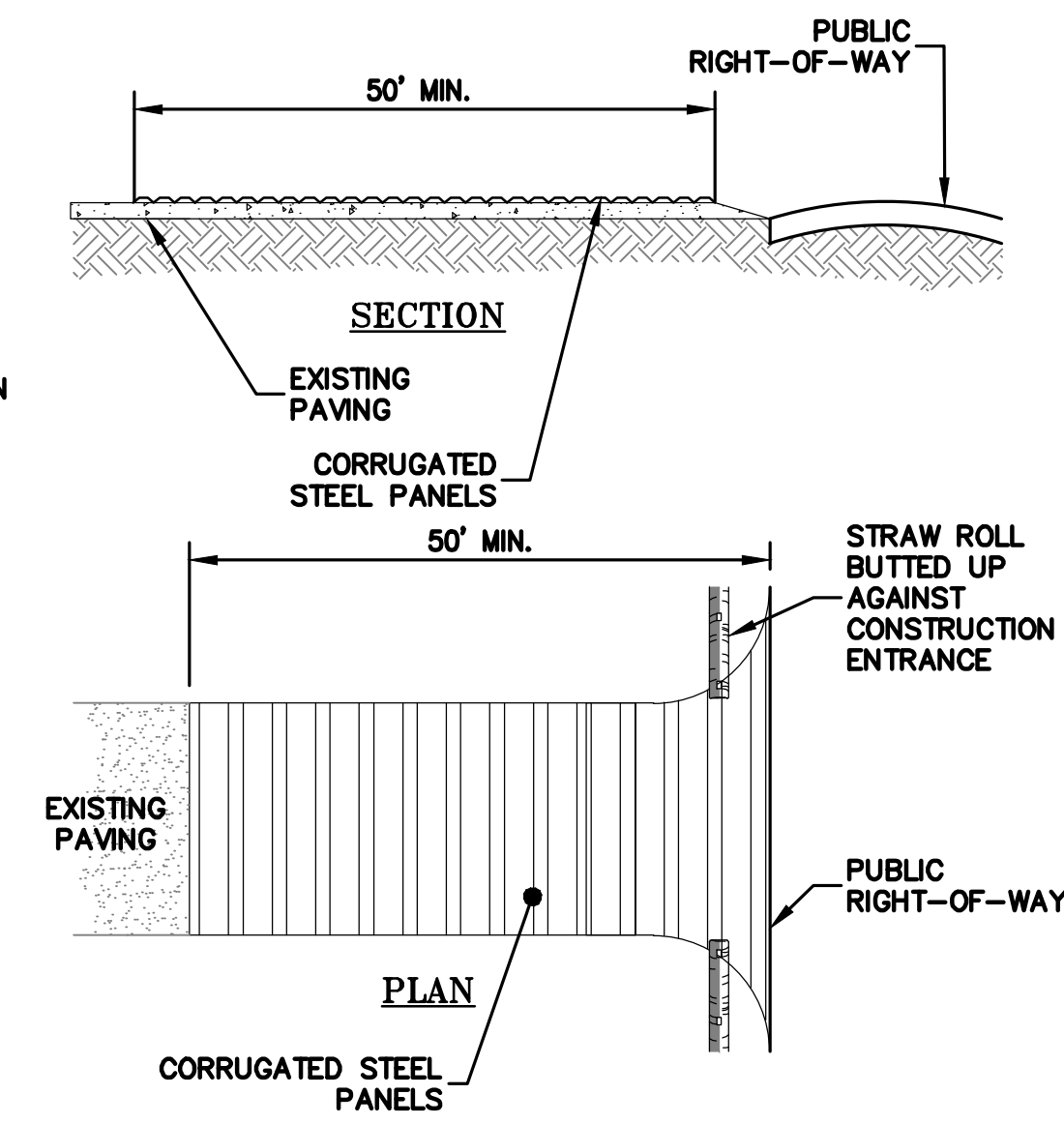
SILT FENCE

NTS



SEDIMENTATION BASIN

NTS



STEEL PLATED CONSTRUCTION ENTRANCE

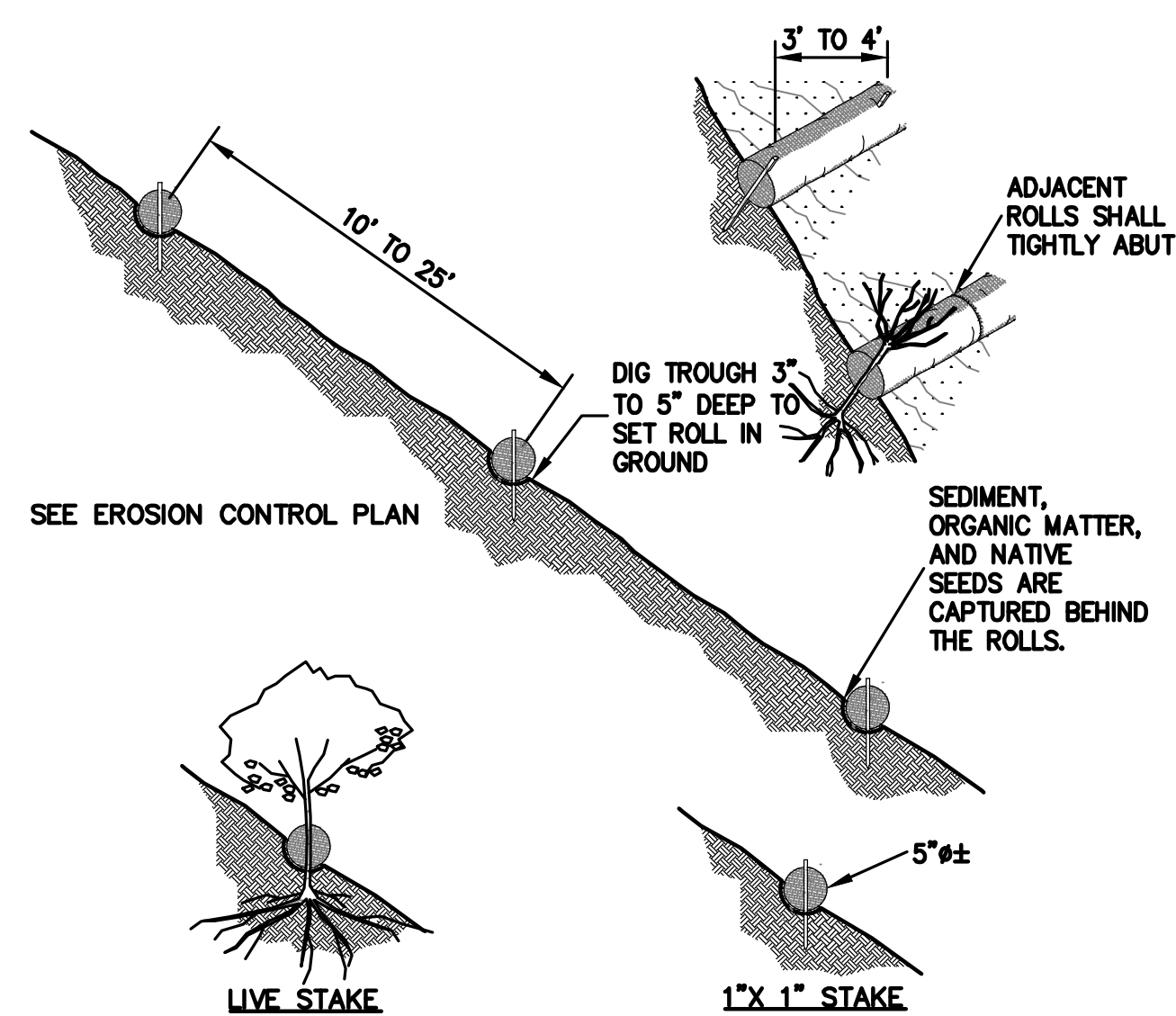
NTS

NOTES:

CORRUGATED STEEL PANELS SHALL BE A MINIMUM OF 50'.

WIDTH SHALL BE A MIN. OF 15' OR GREATER IF NECESSARY TO COVER ALL VEHICULAR INGRESS AND EGRESS. PROVIDE AMPLE TURNING RADIUS.

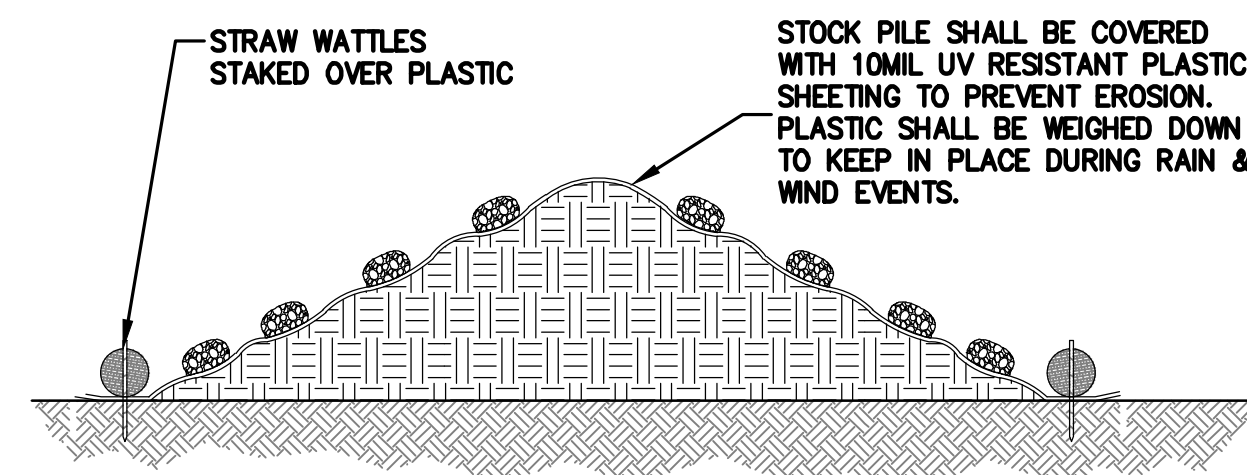
ACCESSES SHALL BE INSPECTED WEEKLY DURING PERIODS OF HEAVY USAGE, MONTHLY DURING NORMAL USAGE, AND AFTER EACH RAINFALL, WITH MAINTENANCE PROVIDED AS NECESSARY.



- NOTE:**
1. STRAW ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 3" TO 5" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.
 2. CONTRACTOR IS RESPONSIBLE FOR REGULAR MAINTENANCE AND INSPECTION. THE SILT SHALL BE CLEANED OUT WHEN IT REACHES HALF THE HEIGHT OF THE ROLL.

STRAW ROLLS

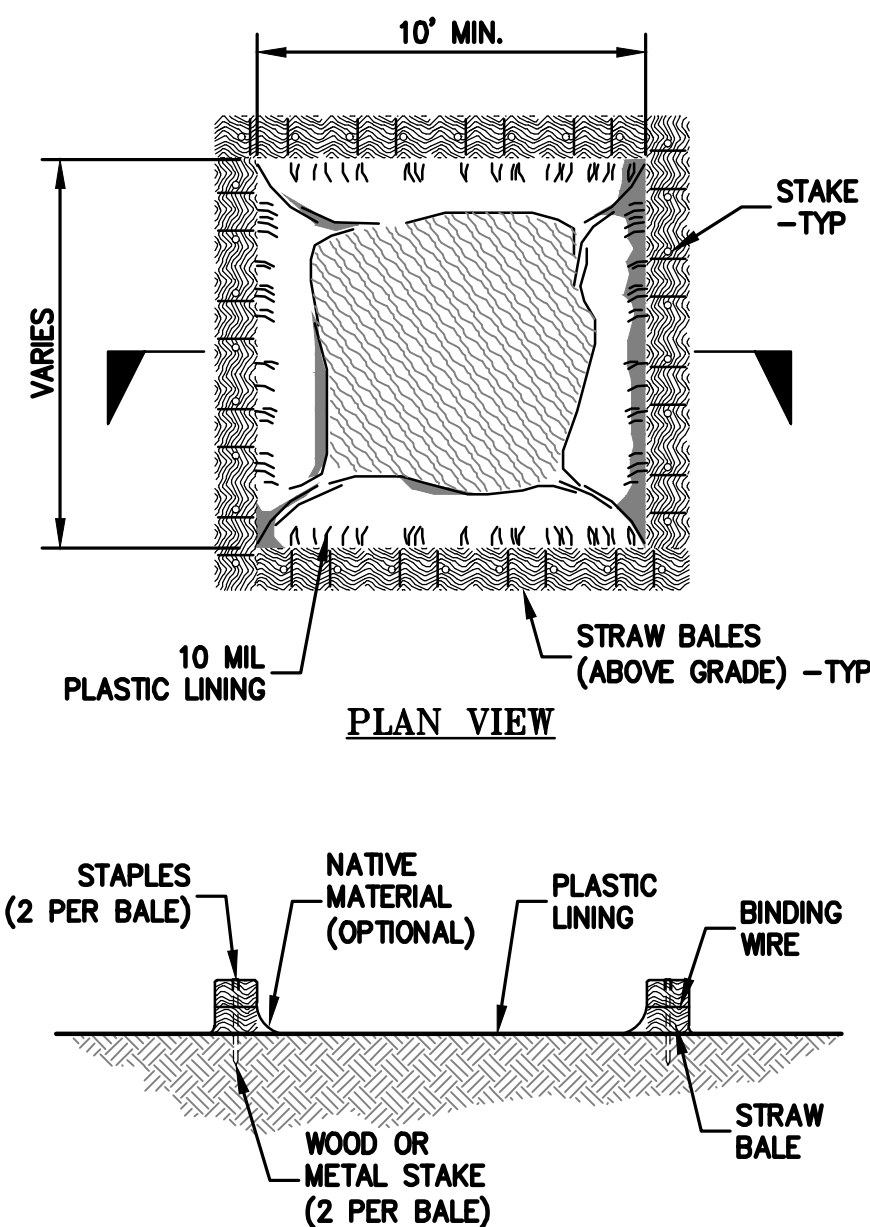
NTS



NOTE:
STOCKPILE TO BE WITHIN PROPERTY AND CLEAR OF TREE DRIPLINE AND ROOTS.

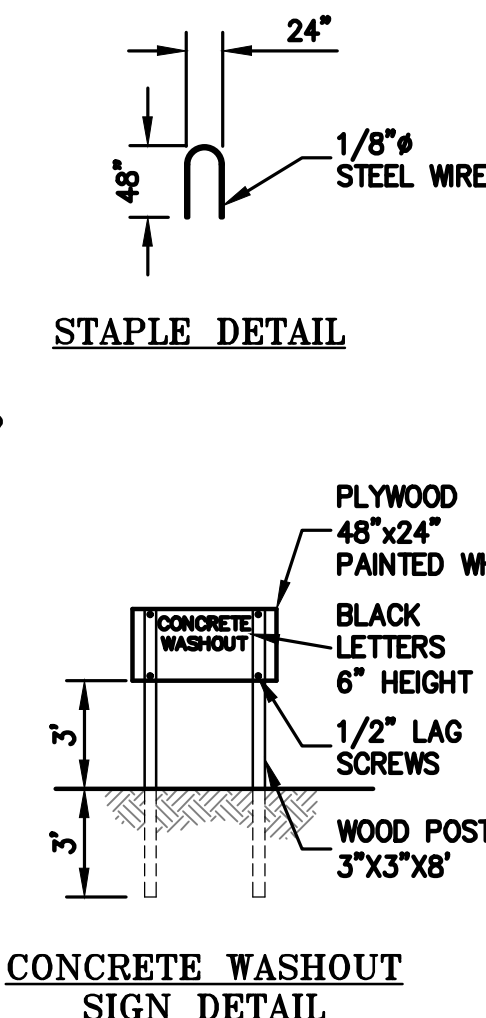
STOCK PILE COVERING

NTS



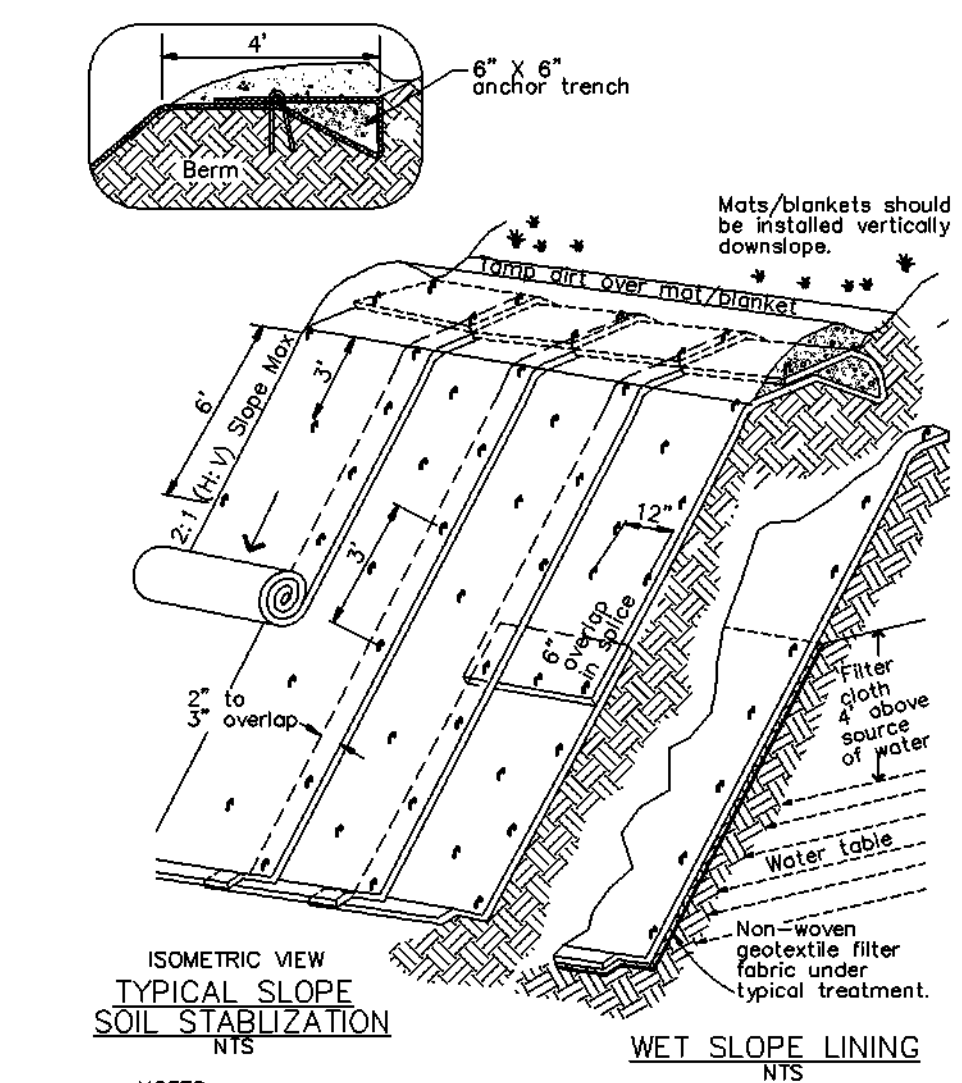
CONCRETE WASHOUT

NTS



NOTES:
THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 10' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

Geotextiles and Mats EC-7



- NOTES:**
1. Slope surface shall be free of rocks, clods, sticks and grass. Mats/blankets shall have good soil contact.
 2. Lay blankets loosely and stake or staple to maintain direct contact with the soil. Do not stretch.
 3. Install per manufacturer's recommendations

TYPICAL INSTALLATION DETAIL



DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
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01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

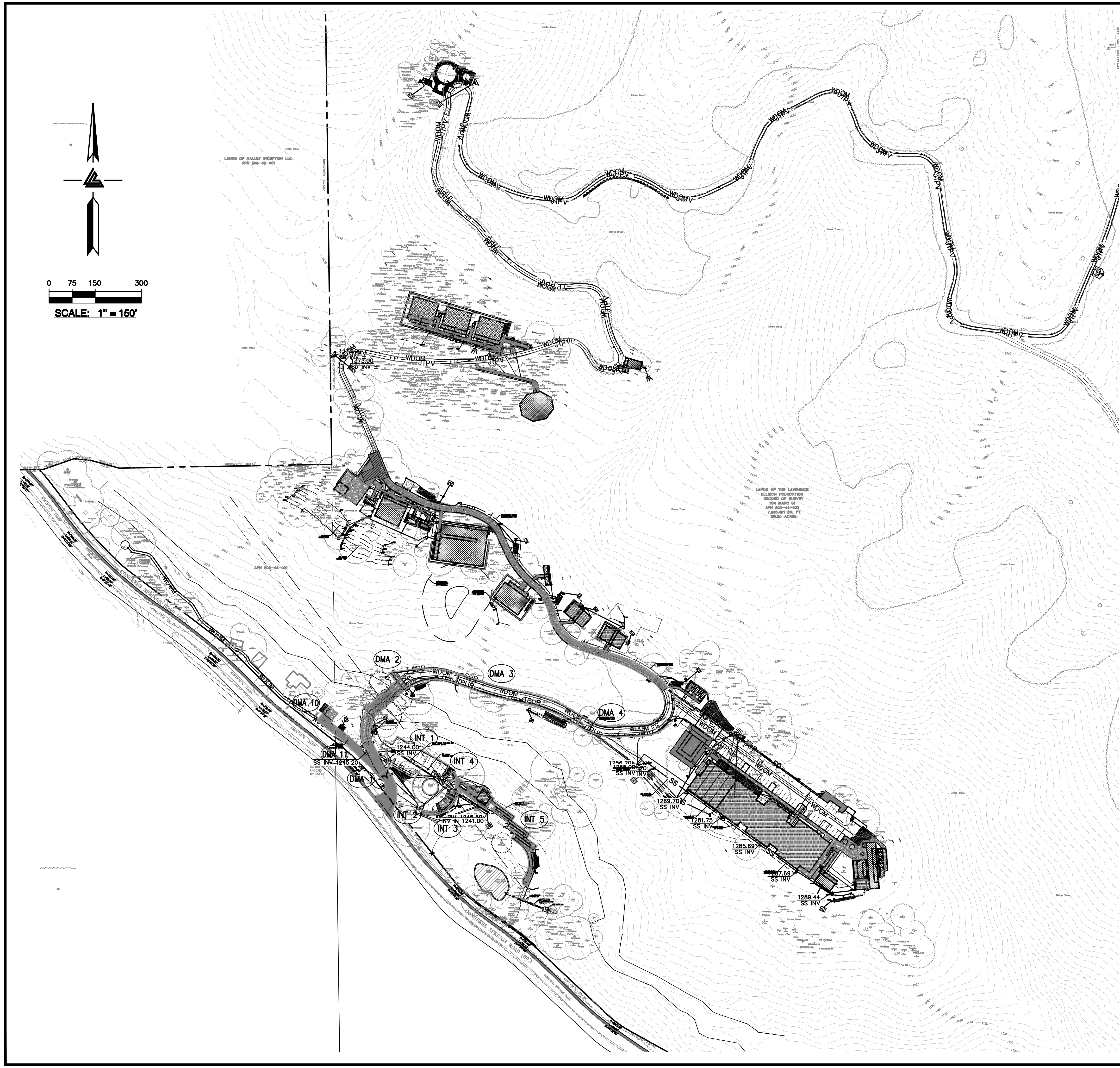
SHEET TITLE
**EROSION CONTROL
DETAILS**

SCALE
NTS
Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER

C-9.35

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943



- LEGEND**
- BIO-RETENTION TREATMENT AREA HEADER BOARD (12" X 2") EDGE
 - BIO-RETENTION TREATMENT AREA 3:1 SLOPED EDGE
 - BIO-RETENTION TREATMENT AREA LANDSCAPE WALL EDGE (<18")
 - RIP-RAP OUTFALL
 - DECOMPOSED GRANITE (PERVIOUS AREA)
 - DECOMPOSED GRANITE (IMPERVIOUS AREA)
 - REDWOOD HEADER BOARD - 12" X 2"
 - DIRECTION OF SURFACE DRAINAGE
 - TRENCH DRAIN (TD)
 - GRADE BREAK (GB)
 - DMA DESIGNATION

PERMANENT STORMWATER CONTROL MEASURES:

PROVIDE AREA DRAINS TO COLLECT LOCALIZED RUNOFF FOR STORM WATER RETENTION AND METERING.

PROVIDE A STORM WATER RETENTION SYSTEM TO RETAIN AND METER THE RELEASE OF COLLECTED STORM WATER TO PREVENT AN INCREASE IN RUNOFF LEAVING THE SITE AFTER CONSTRUCTION.

PERMANENT EROSION CONTROL MEASURES:

PROVIDE AN OPEN BOTTOM FOR THE RETENTION SYSTEM OUTLET BUBBLER TO PROMOTE INFILTRATION OF STORM WATER. PROVIDE ROCK PROTECTION AT THE BUBBLER RIM AND PLANT THE AREA WITH DENSE NATIVE GRASS TO PREVENT EROSION.

LANDSCAPE ALL DISTURBED AREAS IMMEDIATELY AFTER CONSTRUCTION. HYDROSEED, PLANT OR PROVIDE PROTECTIVE MULCH TO ALL NON-LANDSCAPED AREAS TO PROVIDE PERMANENT EROSION CONTROL.

SOURCE CONTROL MEASURES:

1. STORE, HANDLE, AND DISPOSE OF CONSTRUCTION MATERIALS AND WASTES PROPERLY, SO AS TO PREVENT THEIR CONTACT WITH STORMWATER.
2. CONTROL AND PREVENT THE DISCHARGE OF ALL POTENTIAL POLLUTANTS, INCLUDING PAVEMENT CUTTING WASTES, PAINTS, CONCRETE, PETROLEUM PRODUCTS, CHEMICALS, WASHWATER OF SEDIMENTS, AND NON-STORMWATER DISCHARGES TO STORM DRAINS AND WATERCOURSES.
3. USE SEDIMENT CONTROLS OR FILTRATION TO REMOVE SEDIMENT WHEN DEWATERING SITE AND OBTAIN ALL NECESSARY PERMITS.
4. AVOID CLEANING, FUELING, OR MAINTAINING VEHICLES ON-SITE, EXCEPT IN A DESIGNATED AREA WHERE WASHWATER IS CONTAINED AND TREATED.
5. DELINEATE WITH FIELD MARKERS LIMITS ON CLEARING, EASEMENTS, SETBACKS, SENSITIVE OR CRITICAL AREAS, BUFFER ZONES, TREES AND DRAINAGE COURSES.
6. PROTECT ADJACENT PROPERTIES AND UNDISTURBED AREAS FROM CONSTRUCTION IMPACTS USING VEGETATIVE BUFFER STRIPS, SEDIMENT BARRIERS OR FILTERS, DIKES, MULCHING, OR OTHER MEASURES AS APPROPRIATE.
7. PERFORM CLEARING AND EARTH MOVING ACTIVITIES ONLY DURING DRY WEATHER.
8. LIMIT AND TIME APPLICATIONS OF PESTICIDES AND FERTILIZERS TO PREVENT POLLUTED RUNOFF.
9. LIMIT CONSTRUCTION ACCESS ROUTES AND STABILIZE DESIGNATED ACCESS POINTS.
10. AVOID TRACKING DIRT OR OTHER MATERIALS OFF-SITE. CLEAN OFF-SITE PAVED AREAS AND SIDEWALKS USING DRY SWEEPING METHODS.

TEMPORARY STORM WATER & EROSION CONTROL MEASURES:

1. REFER TO THE CIVIL ENGINEERING PLANS, SHEETS C-9.0-9.35, FOR DETAILED CONSTRUCTION CONTROL MEASURES AND PRACTICES.

REFERENCES:

1. CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD'S FIELD MANUAL FOR EROSION AND SEDIMENTATION CONTROL
2. CALIFORNIA STORM WATER QUALITY ASSOCIATION BEST MANAGEMENT PRACTICES HANDBOOK FOR CONSTRUCTION

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(F) (510) 887-3018
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ROSEVILLE, CA 95661
(P) (916) 946-1338
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ISSUES AND REVISIONS	
DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
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05-29-20	PLAN CHECK RESPONSE
07-22-20	PERMIT MODIFICATION 2
	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-176
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
STORMWATER
TREATMENT PLAN

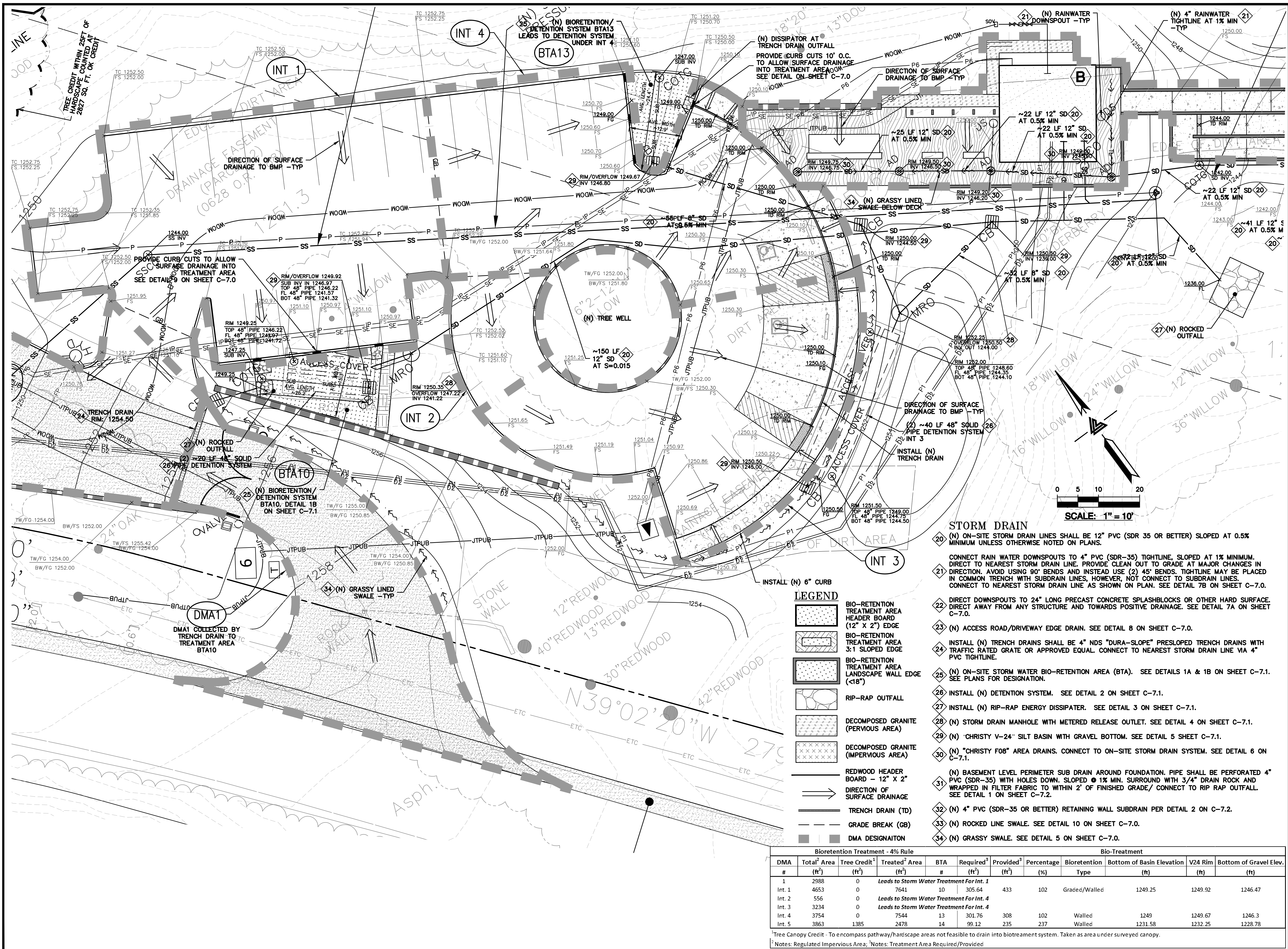
SCALE
1" = 150'
PC / CA
PC / JL
LB Job No. 2130712

SHEET NUMBER
C-10.0

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943

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CIVIL ENGINEER

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SACRAMENTO REGION

1000 WEST

ROSEVILLE, CA 95661

(P) (916) 948-1338

(F) (916) 948-1338

(M) (916) 948-1338

(E) (916) 948-1338

ISSUES AND REVISIONS

DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
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05-29-20	PLAN CHECK RESPONSE
07-22-20	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY RECORD INFORMATION

APPLICANT: PENINSULA HUMANE SOCIETY

ROAD: CONGRESS SPRINGS

LDE FILE: 6943-17-176

GRADING PERMIT: DEV19-1838

UTILITY PERMIT: DEV19-0220

PROJECT NUMBER 16011.00

SHEET TITLE

STORMWATER TREATMENT PLAN

SCALE

1" = 10'

Designed By PC / CA

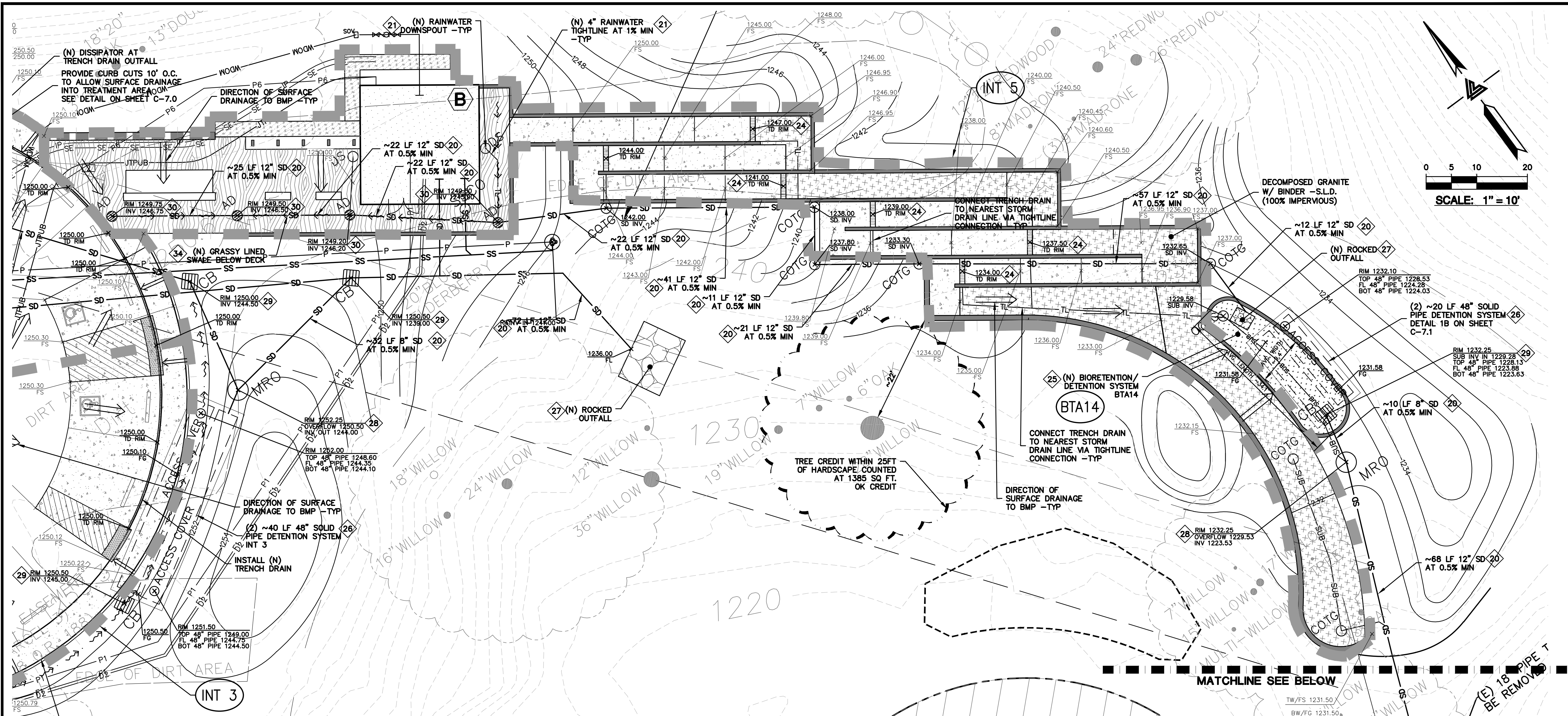
Checked By PC / JL

LB Job No. 2130712

SHEET NUMBER

C-10.1

ASA/USE PERMIT MODIFICATION #3 PLN-17-6943



STORM DRAIN

- (N) ON-SITE STORM DRAIN LINES SHALL BE 12" PVC (SDR 35 OR BETTER) SLOPED AT 0.5% MINIMUM UNLESS OTHERWISE NOTED ON PLANS.
- CONNECT RAIN WATER DOWNSPOUTS TO 4" PVC (SDR-35) TIGHTLINE, SLOPED AT 1% MINIMUM. DIRECT TO NEAREST STORM DRAIN LINE. PROVIDE CLEAN OUT TO GRADE AT MAJOR CHANGES IN DIRECTION. AVOID USING 90° BENDS AND INSTEAD USE (2) 45° BENDS. TIGHTLINE MAY BE PLACED IN COMMON TRENCH WITH SUBDRAIN LINES, HOWEVER, NOT CONNECT TO SUBDRAIN LINES. CONNECT TO NEAREST STORM DRAIN LINE AS SHOWN ON PLAN. SEE DETAIL 7B ON SHEET C-7.0.
- DIRECT DOWNSPOUTS TO 24" LONG PRECAST CONCRETE SPLASHBLOCKS OR OTHER HARD SURFACE. DIRECT AWAY FROM ANY STRUCTURE AND TOWARDS POSITIVE DRAINAGE. SEE DETAIL 7A ON SHEET C-7.0.
- (N) ACCESS ROAD/DRIVEWAY EDGE DRAIN. SEE DETAIL 8 ON SHEET C-7.0.
- INSTALL (N) TRENCH DRAINS SHALL BE 4" NDS "DURA-SLOPE" PRESLOPED TRENCH DRAINS WITH TRAFFIC RATED GRATE OR APPROVED EQUAL. CONNECT TO NEAREST STORM DRAIN LINE VIA 4" PVC TIGHTLINE.
- (N) ON-SITE STORM WATER BIO-RETENTION AREA (BTA). SEE DETAILS 1A & 1B ON SHEET C-7.1.
- INSTALL (N) DETENTION SYSTEM. SEE DETAIL 2 ON SHEET C-7.1.
- INSTALL (N) RIP-RAP ENERGY DISSIPATER. SEE DETAIL 3 ON SHEET C-7.1.
- (N) STORM DRAIN MANHOLE WITH METERED RELEASE OUTLET. SEE DETAIL 4 ON SHEET C-7.1.
- (N) 'CHRISTY V-24" SILT BASIN WITH GRAVEL BOTTOM. SEE DETAIL 5 SHEET C-7.1.
- (N) "CHRISTY F08" AREA DRAINS. CONNECT TO ON-SITE STORM DRAIN SYSTEM. SEE DETAIL 6 ON C-7.1.
- (N) BASEMENT LEVEL PERIMETER SUB DRAIN AROUND FOUNDATION. PIPE SHALL BE PERFORATED 4" PVC (SDR-35) WITH HOLES DOWN. SLOPED @ 1% MIN. SURROUND WITH 3/4" DRAIN ROCK AND WRAPPED IN FILTER FABRIC TO WITHIN 2' OF FINISHED GRADE/ CONNECT TO RIP RAP OUTFALL. SEE DETAIL 1 ON SHEET C-7.2.
- (N) 4" PVC (SDR-35 OR BETTER) RETAINING WALL SUBDRAIN PER DETAIL 2 ON C-7.2.
- (N) ROCKED LINE SWALE. SEE DETAIL 10 ON SHEET C-7.0.
- (N) GRASSY SWALE. SEE DETAIL 5 ON SHEET C-7.0.

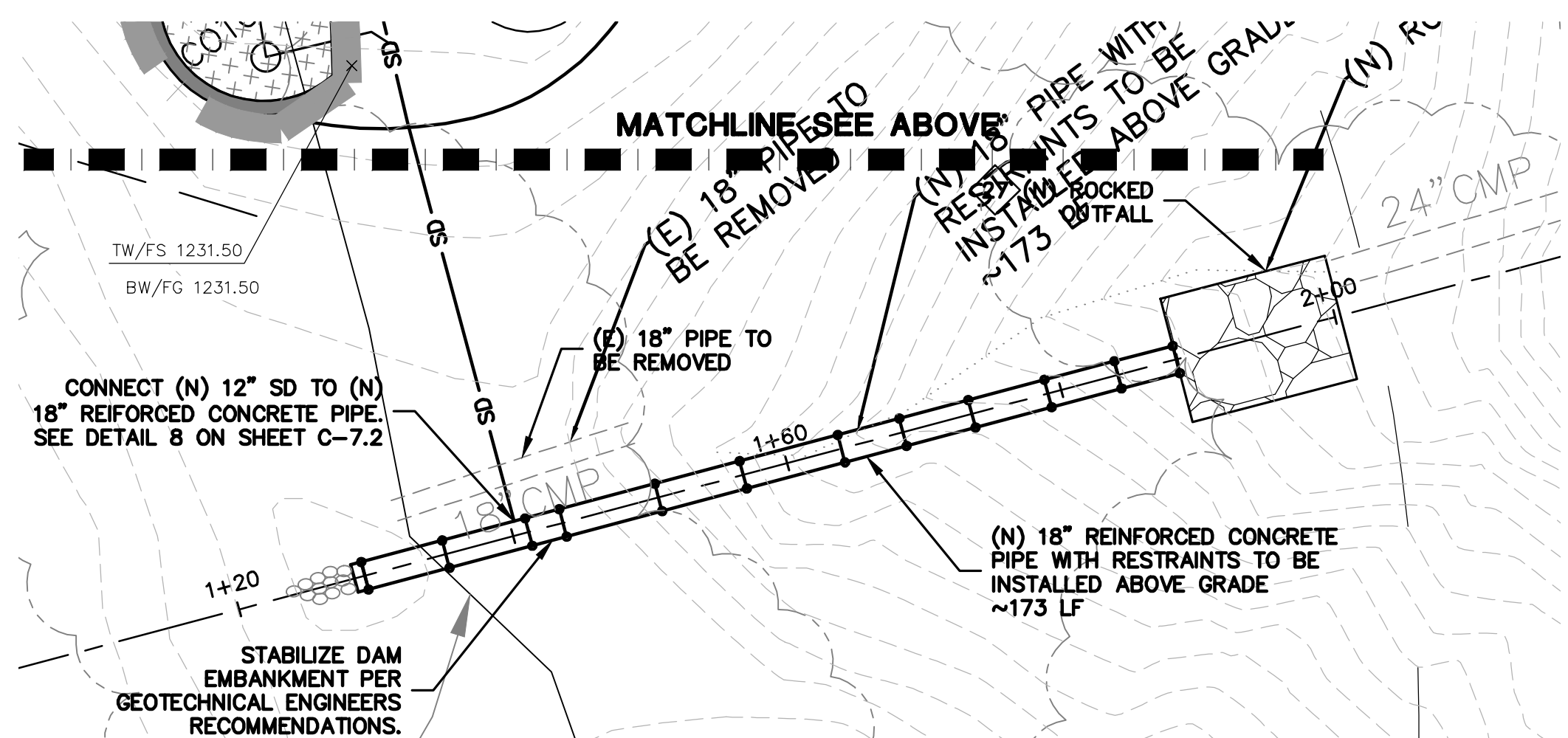
LEGEND

- BIO-RETENTION TREATMENT AREA HEADER BOARD (12" X 2") EDGE
- BIO-RETENTION TREATMENT AREA 3:1 SLOPED EDGE
- BIO-RETENTION TREATMENT AREA LANDSCAPE WALL EDGE (<18")
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- DECOMPOSED GRANITE (IMPERVIOUS AREA)
- REDWOOD HEADER BOARD - 12" X 2"
- DIRECTION OF SURFACE DRAINAGE
- TRENCH DRAIN (TD)
- GRADE BREAK (GB)
- DMA DESIGNATION

Bioretention Treatment - 4% Rule					Bio-Treatment				
DMA #	Total Area (ft ²)	Tree Credit ¹ (ft ²)	Treated Area (ft ²)	BTA #	Required ² (ft ²)	Provided ² (ft ²)	Percentage (%)	Bioretention Type	Bottom of Basin Elevation (ft)
1	2988	0	Leads to Storm Water Treatment For Int. 1						
Int. 1	4653	0	7641	10	305.64	433	102	Graded/Walled	1249.25
Int. 2	556	0	Leads to Storm Water Treatment For Int. 4						
Int. 3	3234	0	Leads to Storm Water Treatment For Int. 4						
Int. 4	3754	0	7544	13	301.76	308	102	Walled	1249
Int. 5	3863	1385	2478	14	99.12	235	237	Walled	1231.58

¹Tree Canopy Credit - To encompass pathway/hardscape areas not feasible to drain into bioretention system. Taken as area under surveyed canopy.

²Notes: Regulated Impervious Area; ³Notes: Treatment Area Required/Provided



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HAYWARD, CALIFORNIA 94543
(P) (510) 887-0086
(F) (510) 887-3018
WWW.LEABRAZE.COM

DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 - PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

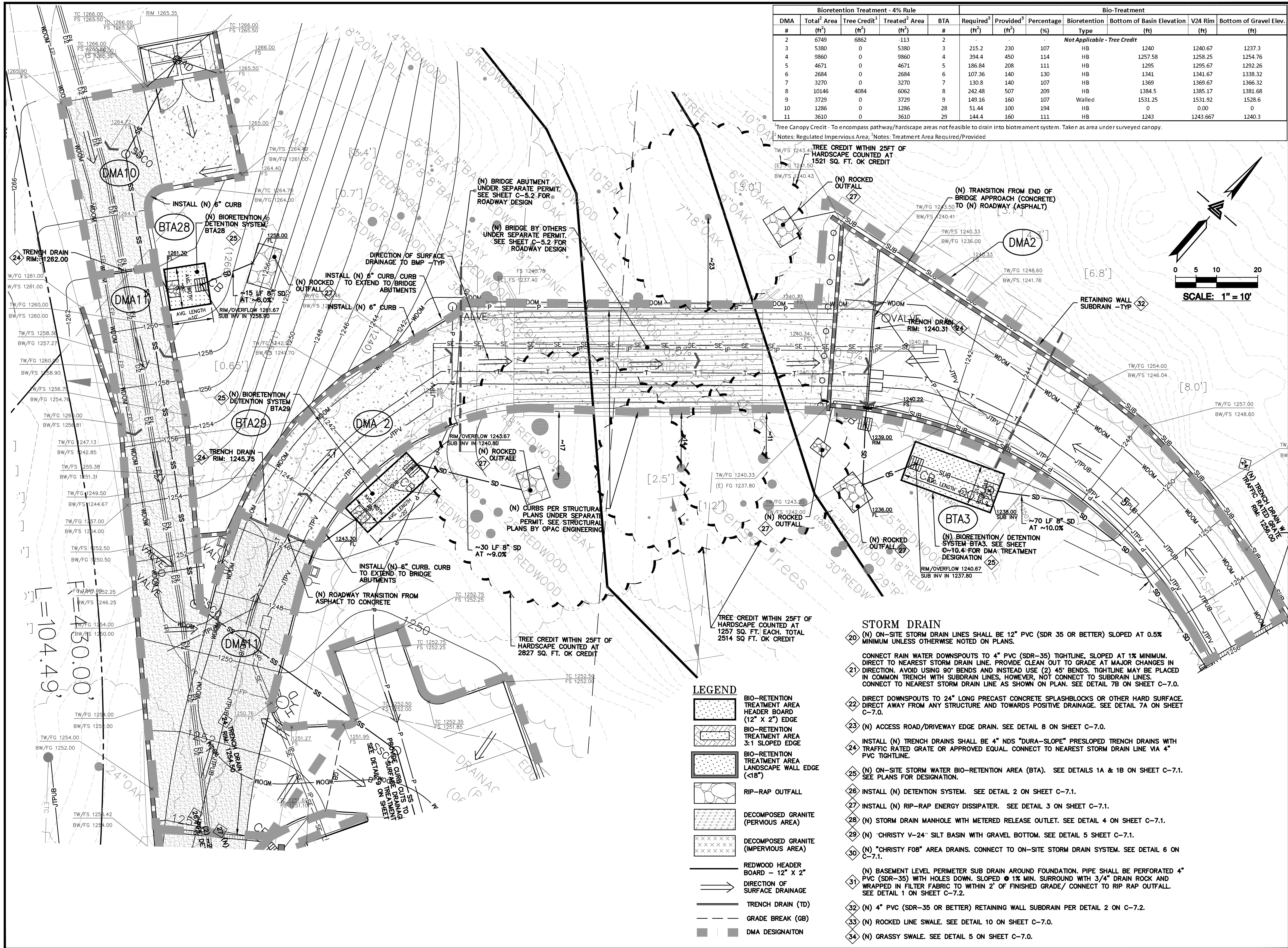
PROJECT NUMBER
16011.00

SHEET TITLE
**STORMWATER
TREATMENT PLAN**

SCALE
1" = 10'
Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-10.2

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943



Bioretention Treatment - 4% Rule							Bio-Treatment				
DMA #	Total ¹ Area (ft ²)	Tree Credit ¹ (ft ²)	Treated ² Area (ft ²)	BTA #	Required ³ (ft ²)	Provided ³ (ft ²)	Percentage (%)	Bioretention Type	Bottom of Basin Elevation (ft)	V24 Rim (ft)	Bottom of Gravel Elev. (ft)
2	6749	6862	-113	2				Not Applicable - Tree Credit			
3	5380	0	5380	3	215.2	230	107	HB	1240	1240.67	1237.3
4	9860	0	9860	4	394.4	450	114	HB	1257.58	1258.25	1254.76
5	4671	0	4671	5	186.84	208	111	HB	1295	1295.67	1292.26
6	2684	0	2684	6	107.36	140	130	HB	1341	1341.67	1338.32
7	3270	0	3270	7	130.8	140	107	HB	1369	1369.67	1366.32
8	10146	4084	6062	8	242.48	507	209	HB	1384.5	1385.17	1381.68
9	3729	0	3729	9	149.16	160	107	Walled	1531.25	1531.92	1528.6
10	1286	0	1286	28	51.44	100	194	HB	0	0.00	0
11	3610	0	3610	29	144.4	160	111	HB	1243	1243.667	1240.3

¹Tree Canopy Credit - To encompass pathway/hardscape areas not feasible to drain into bioretention system. Taken as area under surveyed canopy.
²Notes: Regulated Impervious Area; ³Notes: Treatment Area Required/Provided

TREE CREDIT WITHIN 25FT OF HARDSCAPE COUNTED AT 1521 SQ. FT. OK CREDIT

(N) ROCKED OUTFALL 27

(N) TRANSITION FROM END OF BRIDGE APPROACH (CONCRETE) TO (N) ROADWAY (ASPHALT)

DMA2

SCALE: 1" = 10'

STORM DRAIN

- 20 (N) ON-SITE STORM DRAIN LINES SHALL BE 12" PVC (SDR 35 OR BETTER) SLOPED AT 0.5% MINIMUM UNLESS OTHERWISE NOTED ON PLANS.
- 21 CONNECT RAIN WATER DOWNSPOUTS TO 4" PVC (SDR-35) TIGHTLINE, SLOPED AT 1% MINIMUM. DIRECT TO NEAREST STORM DRAIN LINE. PROVIDE CLEAN OUT TO GRADE AT MAJOR CHANGES IN DIRECTION. AVOID USING 90° BENDS AND INSTEAD USE (2) 45° BENDS. TIGHTLINE MAY BE PLACED IN COMMON TRENCH WITH SUBDRAIN LINES, HOWEVER, NOT CONNECT TO SUBDRAIN LINES. CONNECT TO NEAREST STORM DRAIN LINE AS SHOWN ON PLAN. SEE DETAIL 7B ON SHEET C-7.0.
- 22 DIRECT DOWNSPOUTS TO 24" LONG PRECAST CONCRETE SPLASHBLOCKS OR OTHER HARD SURFACE. DIRECT AWAY FROM ANY STRUCTURE AND TOWARDS POSITIVE DRAINAGE. SEE DETAIL 7A ON SHEET C-7.0.
- 23 (N) ACCESS ROAD/DRIVEWAY EDGE DRAIN. SEE DETAIL 8 ON SHEET C-7.0.
- 24 INSTALL (N) TRENCH DRAINS SHALL BE 4" NDS "DURA-SLOPE" PRESLOPED TRENCH DRAINS WITH TRAFFIC RATED GRATE OR APPROVED EQUAL. CONNECT TO NEAREST STORM DRAIN LINE VIA 4" PVC TIGHTLINE.
- 25 (N) ON-SITE STORM WATER BIO-RETENTION AREA (BTA). SEE DETAILS 1A & 1B ON SHEET C-7.1. SEE PLANS FOR DESIGNATION.
- 26 INSTALL (N) DETENTION SYSTEM. SEE DETAIL 2 ON SHEET C-7.1.
- 27 INSTALL (N) RIP-RAP ENERGY DISSIPATER. SEE DETAIL 3 ON SHEET C-7.1.
- 28 (N) STORM DRAIN MANHOLE WITH METERED RELEASE OUTLET. SEE DETAIL 4 ON SHEET C-7.1.
- 29 (N) "CHRISTY V-24" SILT BASIN WITH GRAVEL BOTTOM. SEE DETAIL 5 SHEET C-7.1.
- 30 (N) "CHRISTY F08" AREA DRAINS. CONNECT TO ON-SITE STORM DRAIN SYSTEM. SEE DETAIL 6 ON C-7.1.
- 31 (N) BASEMENT LEVEL PERIMETER SUB DRAIN AROUND FOUNDATION. PIPE SHALL BE PERFORATED 4" PVC (SDR-35) WITH HOLES DOWN. SLOPED @ 1% MIN. SURROUND WITH 3/4" DRAIN ROCK AND WRAPPED IN FILTER FABRIC TO WITHIN 2' OF FINISHED GRADE/ CONNECT TO RIP RAP OUTFALL. SEE DETAIL 1 ON SHEET C-7.2.
- 32 (N) 4" PVC (SDR-35 OR BETTER) RETAINING WALL SUBDRAIN PER DETAIL 2 ON C-7.2.
- 33 (N) ROCKED LINE SWALE. SEE DETAIL 10 ON SHEET C-7.0.
- 34 (N) GRASSY SWALE. SEE DETAIL 5 ON SHEET C-7.0.

LEGEND

- BIO-RETENTION TREATMENT AREA HEADER BOARD (12" X 2") EDGE
- BIO-RETENTION TREATMENT AREA 3:1 SLOPED EDGE
- BIO-RETENTION TREATMENT AREA LANDSCAPE WALL EDGE (<18")
- RIP-RAP OUTFALL
- DECOMPOSED GRANITE (PERVIOUS AREA)
- DECOMPOSED GRANITE (IMPERVIOUS AREA)
- REDWOOD HEADER BOARD - 12" X 2"
- DIRECTION OF SURFACE DRAINAGE
- TRENCH DRAIN (TD)
- GRADE BREAK (GB)
- DMA DESIGNATION

ELLISON CONSERVATION
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SARATOGA, CA



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DATE	DESCRIPTION
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08-06-19	PHASE 4 - PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE
07-22-20	PERMIT MODIFICATION 2
	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-176
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

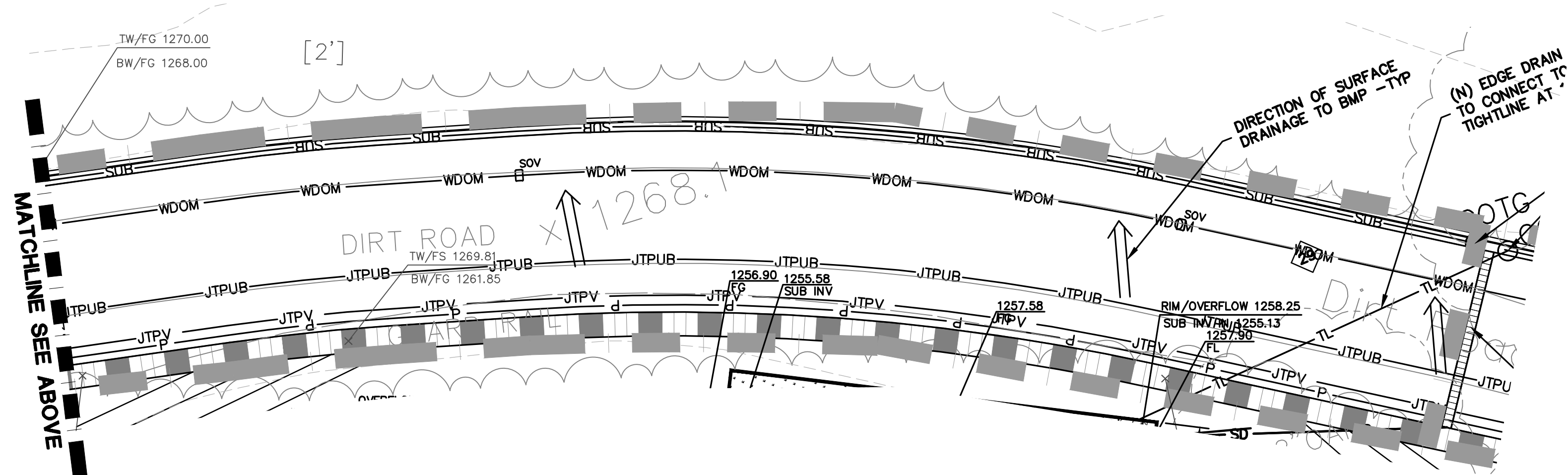
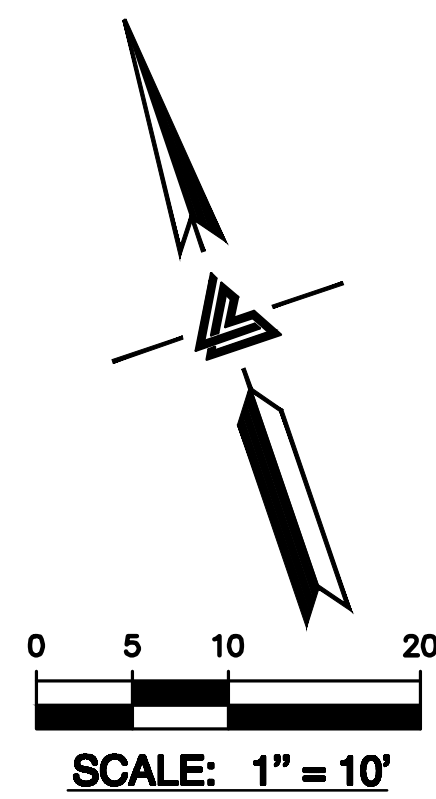
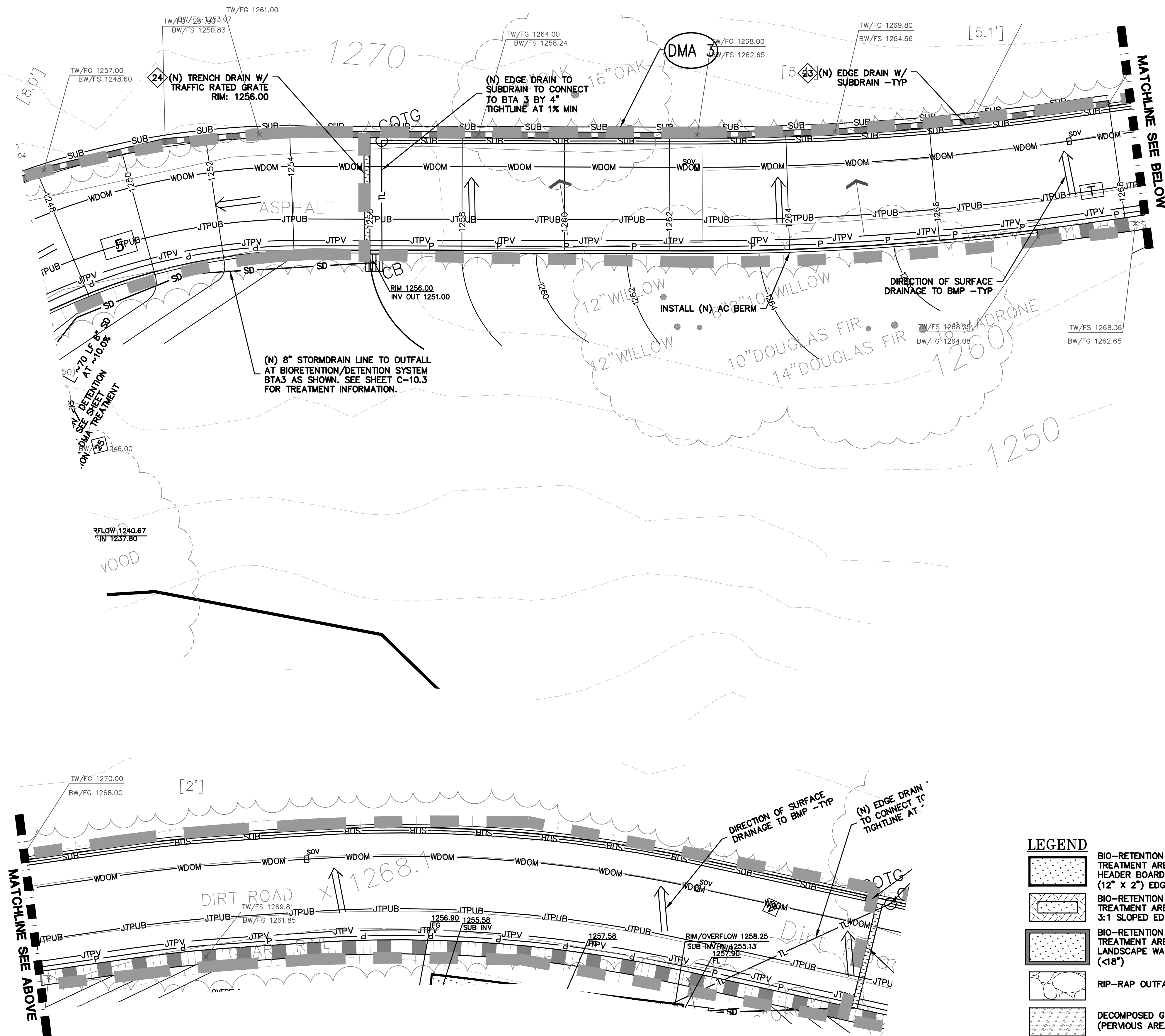
PROJECT NUMBER
16011.00

SHEET TITLE
**STORMWATER
TREATMENT PLAN**

SCALE
1" = 10'
Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-10.3

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943



Bioretention Treatment - 4% Rule					Bio-Treatment				
DMA #	Total ¹ Area (ft ²)	Tree Credit ¹ (ft ²)	Treated ² Area (ft ²)	BTA #	Required ² (ft ²)	Provided ² (ft ²)	Percentage (%)	Bioretention Type	Bottom of Basin Elevation (ft)
2	6749	6862	-113	2	-	-	-	Not Applicable - Tree Credit	1240.67
3	5380	0	5380	3	215.2	230	107	HB	1240.67
4	9860	0	9860	4	394.4	450	114	HB	1257.58
5	4671	0	4671	5	186.84	208	111	HB	1295
6	2684	0	2684	6	107.36	140	130	HB	1341
7	3270	0	3270	7	130.8	140	107	HB	1369
8	10146	4084	6062	8	242.48	507	209	HB	1385.17
9	3729	0	3729	9	149.16	160	107	Walled	1531.25
10	1286	0	1286	28	51.44	100	194	HB	0
11	3610	0	3610	29	144.4	160	111	HB	1243

¹Tree Canopy Credit - To encompass pathway/hardscape areas not feasible to drain into biotreatment system. Taken as area under surveyed canopy.

²Notes: Regulated Impervious Area; ³Notes: Treatment Area Required/Provided

LEGEND

- BIO-RETENTION TREATMENT AREA HEADER BOARD (12" X 2") EDGE
- BIO-RETENTION TREATMENT AREA 3:1 SLOPED EDGE
- BIO-RETENTION TREATMENT AREA LANDSCAPE WALL EDGE (<18")
- RIP-RAP OUTFALL
- DECOMPOSED GRANITE (PERVIOUS AREA)
- DECOMPOSED GRANITE (IMPERVIOUS AREA)
- REDWOOD HEADER BOARD - 12" X 2"
- DIRECTION OF SURFACE DRAINAGE
- TRENCH DRAIN (TD)
- GRADE BREAK (GB)
- DMA DESIGNATION

STORM DRAIN

- 20 (N) ON-SITE STORM DRAIN LINES SHALL BE 12" PVC (SDR 35 OR BETTER) SLOPED AT 0.5% MINIMUM UNLESS OTHERWISE NOTED ON PLANS.
- 21 CONNECT RAIN WATER DOWNSPOUTS TO 4" PVC (SDR-35) TIGHTLINE, SLOPED AT 1% MINIMUM. DIRECT TO NEAREST STORM DRAIN LINE. PROVIDE CLEAN OUT TO GRADE AT MAJOR CHANGES IN DIRECTION. AVOID USING 90° BENDS AND INSTEAD USE (2) 45° BENDS. TIGHTLINE MAY BE PLACED IN COMMON TRENCH WITH SUBDRAIN LINES, HOWEVER, NOT CONNECT TO SUBDRAIN LINES. CONNECT TO NEAREST STORM DRAIN LINE AS SHOWN ON PLAN. SEE DETAIL 7B ON SHEET C-7.0.
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- 23 (N) ACCESS ROAD/DRIVEWAY EDGE DRAIN. SEE DETAIL 8 ON SHEET C-7.0.
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- 25 (N) ON-SITE STORM WATER BIO-RETENTION AREA (BTA). SEE DETAILS 1A & 1B ON SHEET C-7.1. SEE PLANS FOR DESIGNATION.
- 26 INSTALL (N) DETENTION SYSTEM. SEE DETAIL 2 ON SHEET C-7.1.
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- 30 (N) "CHRISTY F08" AREA DRAINS. CONNECT TO ON-SITE STORM DRAIN SYSTEM. SEE DETAIL 6 ON C-7.1.
- 31 (N) BASEMENT LEVEL PERIMETER SUB DRAIN AROUND FOUNDATION. PIPE SHALL BE PERFORATED 4" PVC (SDR-35) WITH HOLES DOWN. SLOPED @ 1% MIN. SURROUND WITH 3/4" DRAIN ROCK AND WRAPPED IN FILTER FABRIC TO WITHIN 2' OF FINISHED GRADE/ CONNECT TO RIP RAP OUTFALL. SEE DETAIL 1 ON SHEET C-7.2.
- 32 (N) 4" PVC (SDR-35 OR BETTER) RETAINING WALL SUBDRAIN PER DETAIL 2 ON C-7.2.
- 33 (N) ROCKED LINE SWALE. SEE DETAIL 10 ON SHEET C-7.0.
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DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 - PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE
07-22-20	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
**STORMWATER
TREATMENT PLAN**

SCALE
1" = 10'
Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER

C-10.4

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943

Bioretention Treatment - 4% Rule					Bio-Treatment						
DMA	Total ¹ Area	Tree Credit ¹	Treated ² Area	BTA	Required ³	Provided ³	Percentage	Bioretention	Bottom of Basin Elevation	V24 Rim	Bottom of Gravel Elev.
#	(ft ²)	(ft ²)	(ft ²)	#	(ft ²)	(ft ²)	(%)	Type	(ft)	(ft)	(ft)
2	6749	6862	-113	2	-	-	-	Not Applicable - Tree Credit			
3	5380	0	5380	3	215.2	230	107	HB	1240	1240.67	1237.3
4	9860	0	9860	4	394.4	450	114	HB	1257.58	1258.25	1254.76
5	4671	0	4671	5	186.84	208	111	HB	1295	1295.67	1292.26
6	2684	0	2684	6	107.36	140	130	HB	1341	1341.67	1338.32
7	3270	0	3270	7	130.8	140	107	HB	1369	1369.67	1366.32
8	10146	4084	6062	8	242.48	507	209	HB	1384.5	1385.17	1381.68
9	3729	0	3729	9	149.16	160	107	Walled	1531.25	1531.92	1528.6
10	1286	0	1286	28	51.44	100	194	HB	0	0.00	0
11	3610	0	3610	29	144.4	160	111	HB	1243	1243.667	1240.3

¹Tree Canopy Credit - To encompass pathway/hardscape areas not feasible to drain into biotreatment system. Taken as area under surveyed canopy.

²Notes: Regulated Impervious Area; ³Notes: Treatment Area Required/Provided

STORM DRAIN

20 (N) ON-SITE STORM DRAIN LINES SHALL BE 12" PVC (SDR 35 OR BETTER) SLOPED AT 0.5% MINIMUM UNLESS OTHERWISE NOTED ON PLANS.

21 CONNECT RAIN WATER DOWNSPOUTS TO 4" PVC (SDR-35) TIGHTLINE, SLOPED AT 1% MINIMUM. DIRECT TO NEAREST STORM DRAIN LINE. PROVIDE CLEAN OUT TO GRADE AT MAJOR CHANGES IN DIRECTION. AVOID USING 90° BENDS AND INSTEAD USE (2) 45° BENDS. TIGHTLINE MAY BE PLACED IN COMMON TRENCH WITH SUBDRAIN LINES, HOWEVER, NOT CONNECT TO SUBDRAIN LINES. CONNECT TO NEAREST STORM DRAIN LINE AS SHOWN ON PLAN. SEE DETAIL 7B ON SHEET C-7.0.

22 DIRECT DOWNSPOUTS TO 24" LONG PRECAST CONCRETE SPLASHBLOCKS OR OTHER HARD SURFACE. DIRECT AWAY FROM ANY STRUCTURE AND TOWARDS POSITIVE DRAINAGE. SEE DETAIL 7A ON SHEET C-7.0.

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25 (N) ON-SITE STORM WATER BIO-RETENTION AREA (BTA). SEE DETAILS 1A & 1B ON SHEET C-7.1. SEE PLANS FOR DESIGNATION.

26 INSTALL (N) DETENTION SYSTEM. SEE DETAIL 2 ON SHEET C-7.1.

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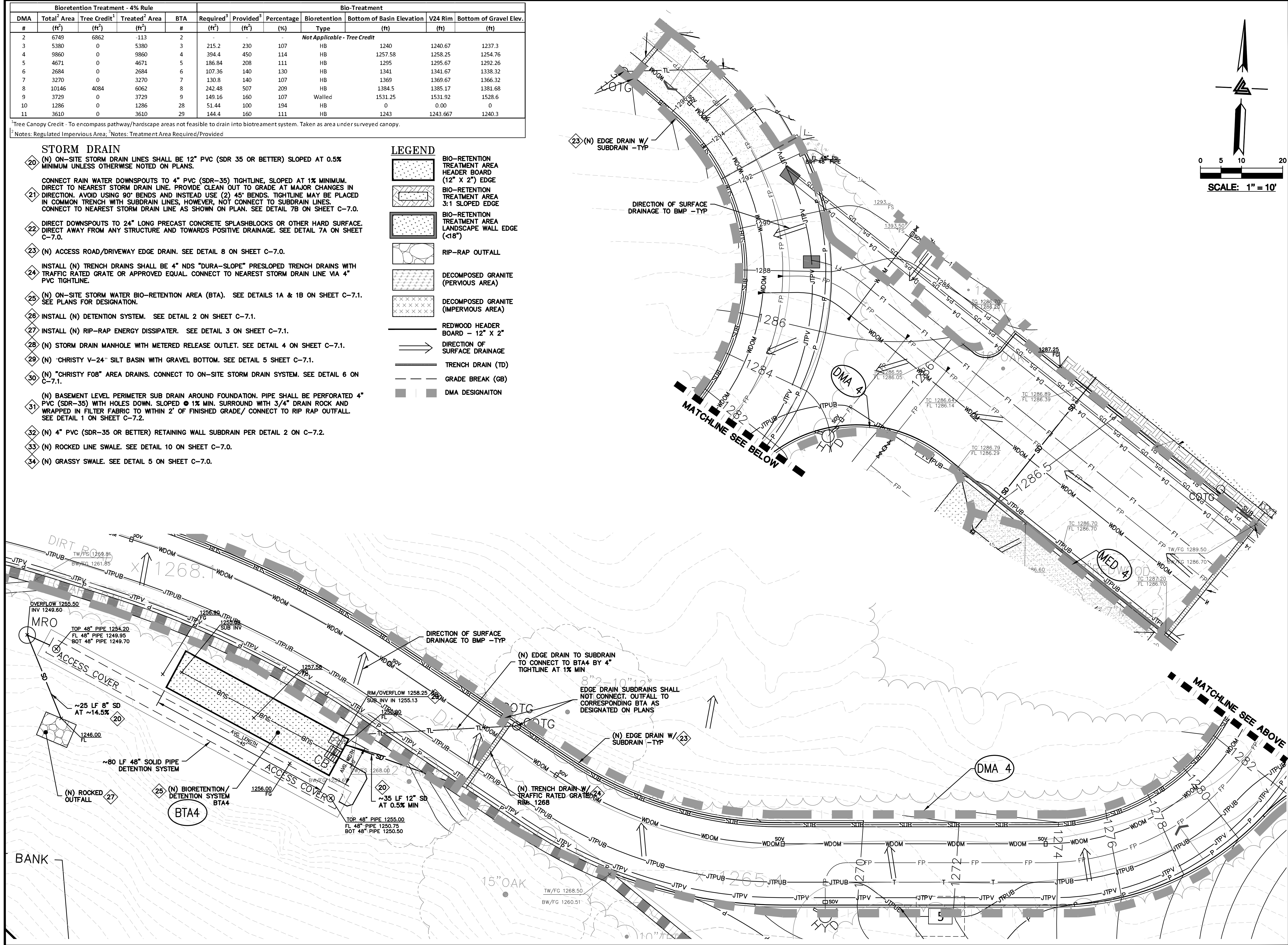
32 (N) 4" PVC (SDR-35 OR BETTER) RETAINING WALL SUBDRAIN PER DETAIL 2 ON C-7.2.

33 (N) ROCKED LINE SWALE. SEE DETAIL 10 ON SHEET C-7.0.

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LEGEND

- BIO-RETENTION TREATMENT AREA HEADER BOARD (12" X 2") EDGE
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07-22-20	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
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PROJECT NUMBER
16011.00

SHEET TITLE
STORMWATER
TREATMENT PLAN

SCALE
1" = 10'
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LB Job No. 2130712

SHEET NUMBER
C-10.5

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943



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SANTA CLARA COUNTY
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PROJECT NUMBER
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SHEET TITLE

STORMWATER TREATMENT PLAN

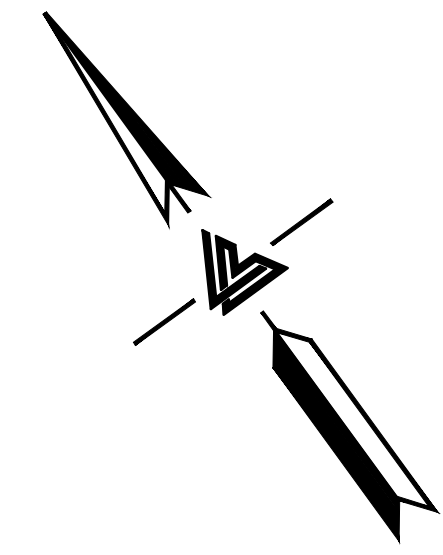
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LB Job No. 2130712

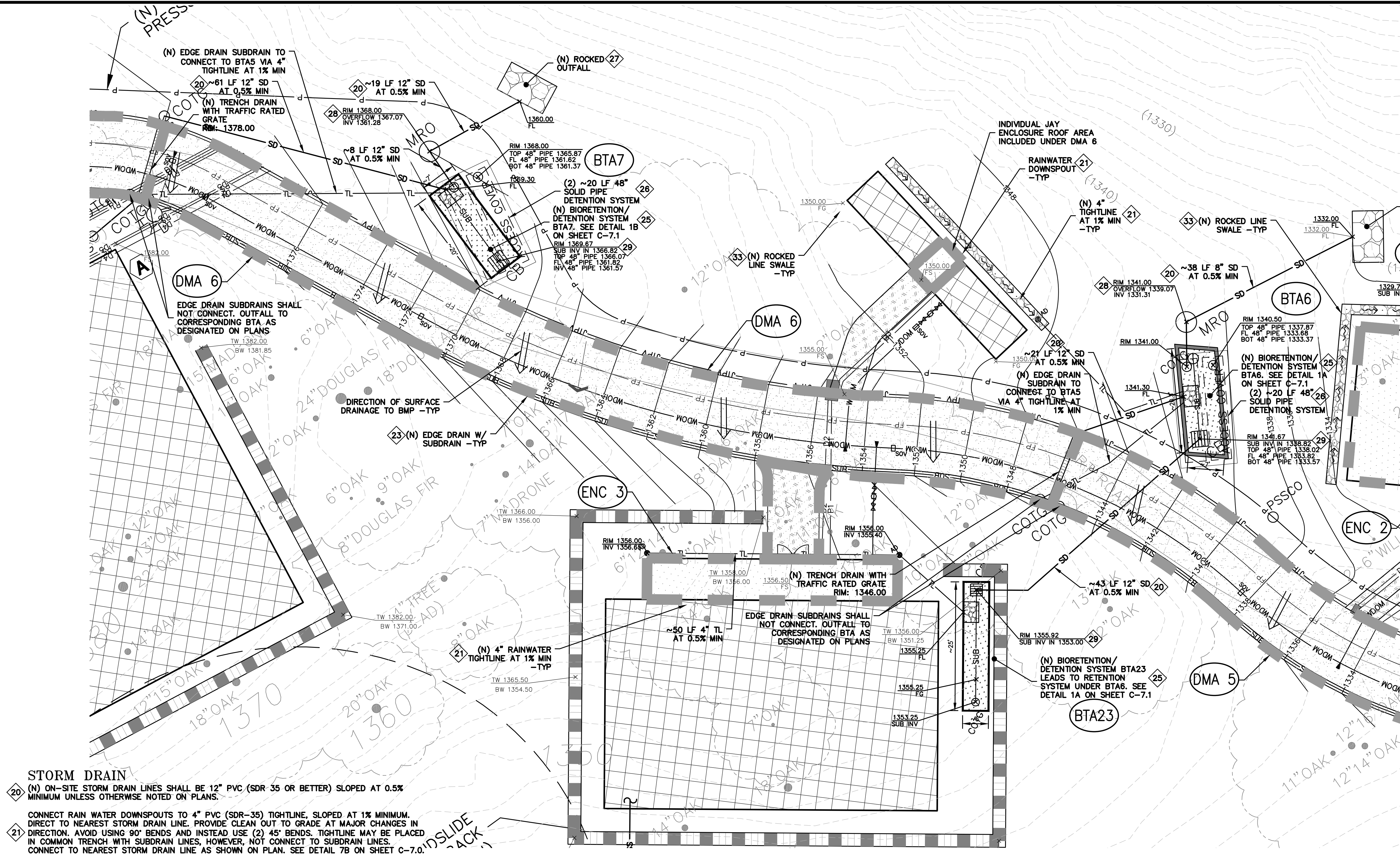
SHEET NUMBER

C-10.7

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943



SCALE: 1" = 10'



STORM DRAIN

- 20 (N) ON-SITE STORM DRAIN LINES SHALL BE 12" PVC (SDR 35 OR BETTER) SLOPED AT 0.5% MINIMUM UNLESS OTHERWISE NOTED ON PLANS.
- 21 CONNECT RAIN WATER DOWNSPOUTS TO 4" PVC (SDR-35) TIGHTLINE, SLOPED AT 1% MINIMUM. DIRECT TO NEAREST STORM DRAIN LINE. PROVIDE CLEAN OUT TO GRADE AT MAJOR CHANGES IN DIRECTION. AVOID USING 90° BENDS AND INSTEAD USE (2) 45° BENDS. TIGHTLINE MAY BE PLACED IN COMMON TRENCH WITH SUBDRAIN LINES, HOWEVER, NOT CONNECT TO SUBDRAIN LINES. CONNECT TO NEAREST STORM DRAIN LINE AS SHOWN ON PLAN. SEE DETAIL 7B ON SHEET C-7.0.
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- 24 INSTALL (N) TRENCH DRAINS SHALL BE 4" NDS "DURA-SLOPE" PRESLOPED TRENCH DRAINS WITH TRAFFIC RATED GRATE OR APPROVED EQUAL. CONNECT TO NEAREST STORM DRAIN LINE VIA 4" PVC TIGHTLINE.
- 25 (N) ON-SITE STORM DRAIN BIO-RETENTION AREA (BTA). SEE DETAILS 1A & 1B ON SHEET C-7.1. SEE PLANS FOR DESIGNATION.
- 26 INSTALL (N) DETENTION SYSTEM. SEE DETAIL 2 ON SHEET C-7.1.
- 27 INSTALL (N) RIP-RAP ENERGY DISSIPATER. SEE DETAIL 3 ON SHEET C-7.1.
- 28 (N) STORM DRAIN MANHOLE WITH METERED RELEASE OUTLET. SEE DETAIL 4 ON SHEET C-7.1.
- 29 (N) "CHRISTY V-24" SILT BASIN WITH GRAVEL BOTTOM. SEE DETAIL 5 SHEET C-7.1.
- 30 (N) "CHRISTY F08" AREA DRAINS. CONNECT TO ON-SITE STORM DRAIN SYSTEM. SEE DETAIL 6 ON C-7.1.
- 31 (N) BASEMENT LEVEL PERIMETER SUB DRAIN AROUND FOUNDATION. PIPE SHALL BE PERFORATED 4" PVC (SDR-35) WITH HOLES DOWN. SLOPED @ 1% MIN. SURROUND WITH 3/4" DRAIN ROCK AND WRAPPED IN FILTER FABRIC TO WITHIN 2' OF FINISHED GRADE/ CONNECT TO RIP RAP OUTFALL. SEE DETAIL 1 ON SHEET C-7.2.
- 32 (N) 4" PVC (SDR-35 OR BETTER) RETAINING WALL SUBDRAIN PER DETAIL 2 ON C-7.2.
- 33 (N) ROCKED LINE SWALE. SEE DETAIL 10 ON SHEET C-7.0.
- 34 (N) GRASSY SWALE. SEE DETAIL 5 ON SHEET C-7.0.

LEGEND

- BIO-RETENTION TREATMENT AREA HEADER BOARD (12" X 2") EDGE
- BIO-RETENTION TREATMENT AREA 3:1 SLOPED EDGE
- BIO-RETENTION TREATMENT AREA LANDSCAPE WALL EDGE (<18")
- RIP-RAP OUTFALL
- DECOMPOSED GRANITE (PERVIOUS AREA)
- DECOMPOSED GRANITE (IMPERVIOUS AREA)
- REDWOOD HEADER BOARD - 12" X 2"
- DIRECTION OF SURFACE DRAINAGE
- TRENCH DRAIN (TD)
- GRADE BREAK (GB)
- DMA DESIGNATION

Bioretention Treatment - 4% Rule					Bio-Treatment						
DMA	Total ² Area	Tree Credit ¹	Treated ² Area	BTA	Required ³	Provided ³	Percentage	Bioretention	Bottom of Basin Elevation	V24 Rim	Bottom of Gravel Elev
#	(ft ²)	(ft ²)	(ft ²)	#	(ft ²)	(ft ²)	(%)	Type	(ft)	(ft)	(ft)
2	6749	6862	-113	2	Not Applicable - Tree Credit						
3	5380	0	5380	3	215.2	230	107	HB	1240	1240.67	1237.3
4	9860	0	9860	4	394.4	450	114	HB	1257.58	1258.25	1254.76
5	4671	0	4671	5	186.84	208	111	HB	1295	1295.67	1292.26
6	2684	0	2684	6	107.36	140	130	HB	1341	1341.67	1338.32
7	3270	0	3270	7	130.8	140	107	HB	1369	1369.67	1366.32
8	10146	4084	6062	8	242.48	507	209	HB	1384.5	1385.17	1381.68
9	3729	0	3729	9	149.16	160	107	Walled	1531.25	1531.92	1528.6
10	1286	0	1286	28	51.44	100	194	HB	0	0.00	0
11	3610	0	3610	29	144.4	160	111	HB	1243	1243.667	1240.3

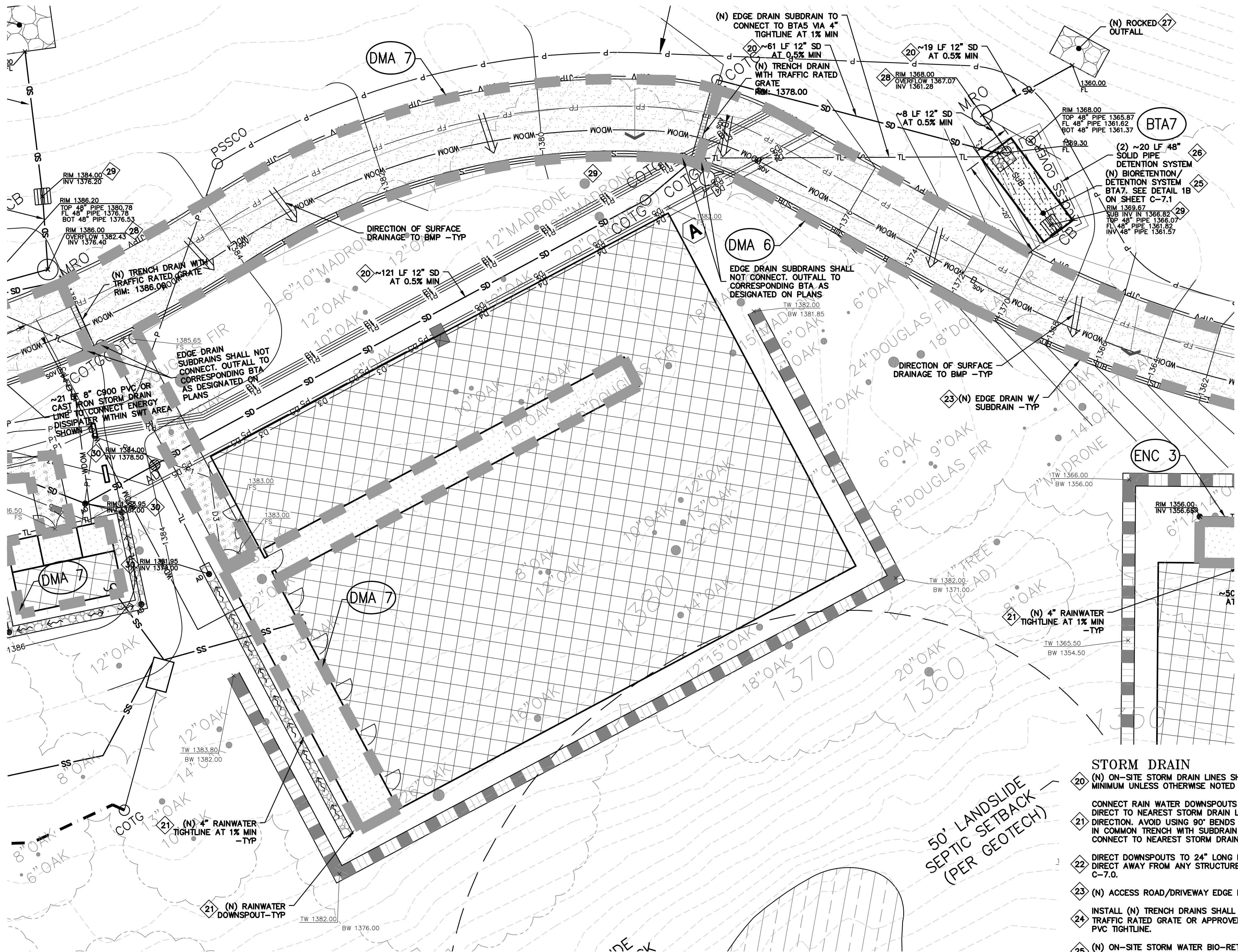
¹Tree Canopy Credit - To encompass pathway/hardscape areas not feasible to drain into biotreatment system. Taken as area under surveyed canopy.

²Notes: Regulated Impervious Area; ³Notes: Treatment Area Required/Provided

Bioretention Treatment - 4% Rule					Bio-Treatment						
DMA	Total ² Area	Tree Credit ¹	Treated ² Area	BTA	Required ³	Provided ³	Percentage	Bioretention	Bottom of Basin Elevation	V24 Rim	Bottom of Gravel Elev
#	(ft ²)	(ft ²)	(ft ²)	#	(ft ²)	(ft ²)	(%)	Type	(ft)	(ft)	(ft)
Enc. 1	1500	0	1500	20	60	66	110	Graded/HB	1313.75	1314.50	1311.15
Enc. 2	1500	0	1500	21	60	70	117	Graded/HB	1331.75	1332.50	1329.15
Enc. 3	389	0	389	23	15.56	125	803	HB	1355.25	1355.92	1352.55
Enc. 4	705	0	2115	24	84.6	87	103	Walled	1420	1420.67	1417.4
Enc. 5	705	0	Leads to Storm Water Treatment For Enclosure 4								
Enc. 6	705	0	Leads to Storm Water Treatment For Enclosure 4								
Enc. 7	397	0	397	27	15.88	25	157	Graded/HB	1439.75	1440.50	1437.14

¹Tree Canopy Credit - To encompass pathway/hardscape areas not feasible to drain into biotreatment system. Taken as area under surveyed canopy.

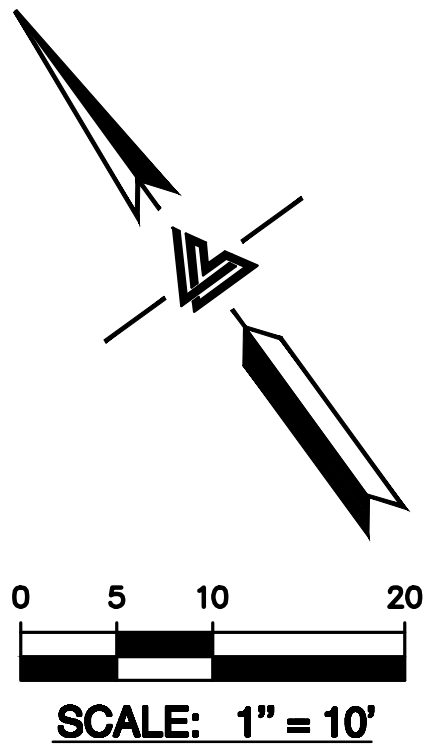
²Notes: Regulated Impervious Area; ³Notes: Treatment Area Required/Provided



- LEGEND**
- BIO-RETENTION TREATMENT AREA HEADER BOARD (12" x 2") EDGE
 - BIO-RETENTION TREATMENT AREA 3:1 SLOPED EDGE
 - BIO-RETENTION TREATMENT AREA LANDSCAPE WALL EDGE (<18")
 - RIP-RAP OUTFALL
 - DECOMPOSED GRANITE (PERVIOUS AREA)
 - DECOMPOSED GRANITE (IMPERVIOUS AREA)
 - REDWOOD HEADER BOARD - 12" x 2"
 - DIRECTION OF SURFACE DRAINAGE
 - TRENCH DRAIN (TD)
 - GRADE BREAK (GB)
 - DMA DESIGNATION

Bioretention Treatment - 4% Rule					Bio-Treatment						
DMA	Total ¹ Area	Tree Credit ¹	Treated ² Area	BTA	Required ³	Provided ³	Percentage	Bioretention	Bottom of Basin Elevation	V24 Rim	Bottom of Gravel Elev.
#	(ft ²)	(ft ²)	(ft ²)	#	(ft ²)	(ft ²)	(%)	Type	(ft)	(ft)	(ft)
2	6749	6862	-113	2	-	-	-	Not Applicable - Tree Credit			
3	5380	0	5380	3	215.2	230	107	HB	1240	1240.67	1237.3
4	9860	0	9860	4	394.4	450	114	HB	1257.58	1258.25	1254.76
5	4671	0	4671	5	186.84	208	111	HB	1295	1295.67	1292.26
6	2684	0	2684	6	107.36	140	130	HB	1341	1341.67	1338.32
7	3270	0	3270	7	130.8	140	107	HB	1369	1369.67	1366.32
8	10146	4084	6062	8	242.48	507	209	HB	1384.5	1385.17	1381.68
9	3729	0	3729	9	149.16	160	107	Walled	1531.25	1531.92	1528.6
10	1286	0	1286	28	51.44	100	194	HB	0	0.00	0
11	3610	0	3610	29	144.4	160	111	HB	1243	1243.667	1240.3

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²Notes: Regulated Impervious Area; ³Notes: Treatment Area Required/Provided



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CENTER FOR WILDLIFE CARE
SARATOGA, CA



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SACRAMENTO REGION
BAY AREA REGION
HAYWARD, CA 94543
(916) 887-4086
(510) 887-3018
WWW.LEABRAZE.COM

DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 - PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE
07-22-20	PERMIT MODIFICATION 2
	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

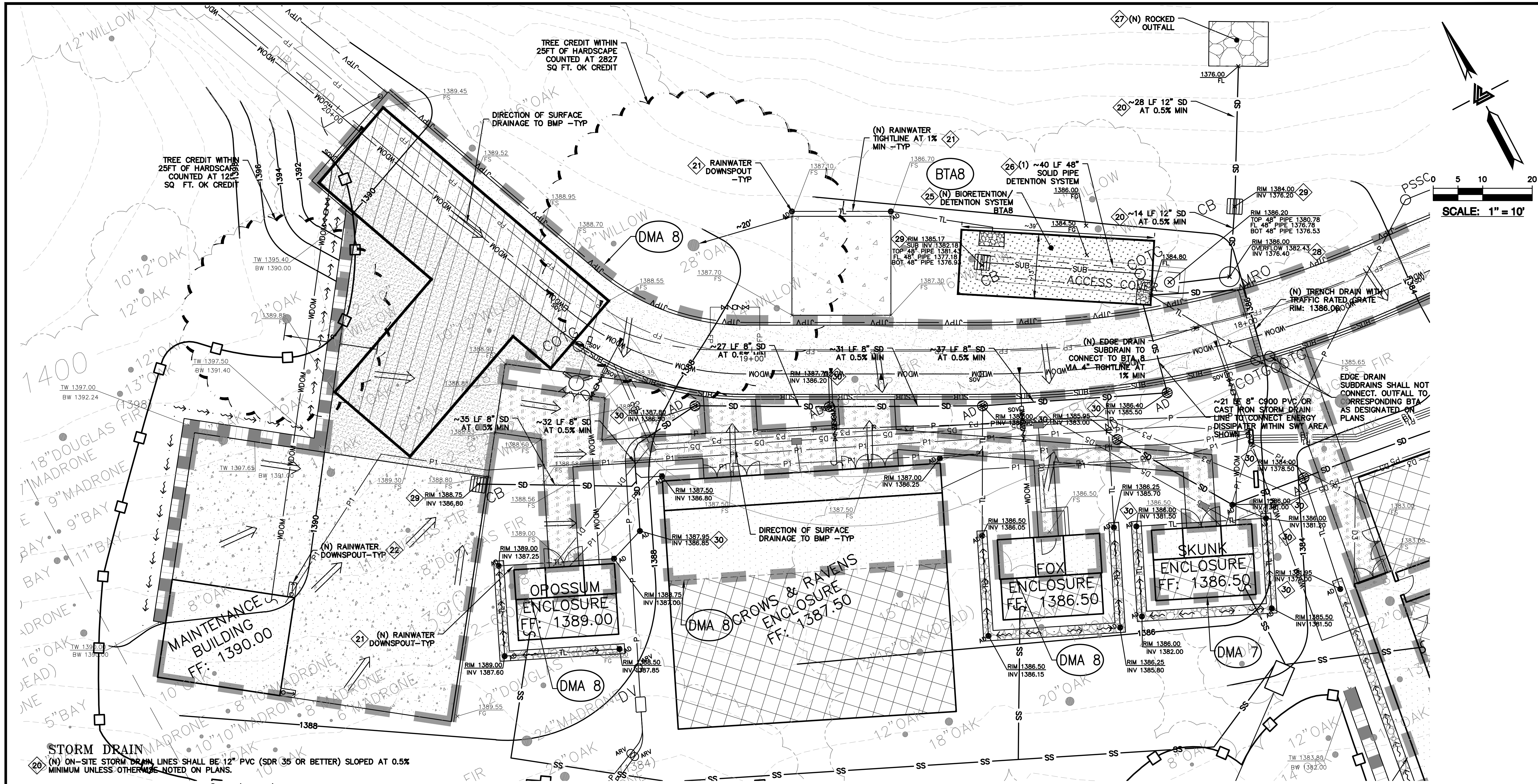
SHEET TITLE
STORMWATER TREATMENT PLAN

SCALE
1" = 10'
PC / CA
Checked By
LB Job No. 2130712

SHEET NUMBER

C-10.8

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943



Bioretention Treatment - 4% Rule										Bio-Treatment				
DMA	Total ¹ Area	Tree Credit ²	Treated ³ Area	BTA	Required ³	Provided ³	Percentage	Bioretention	Bottom of Basin Elevation	V24 Rim	Bottom of Gravel Elev.			
#	(ft ²)	(ft ²)	(ft ²)	#	(ft ²)	(ft ²)	(%)	Type	(ft)	(ft)	(ft)			
2	6749	6862	113	2	215.2	230	107	HB	1240	1240.67	1237.3			
3	5380	0	5380	3	394.4	450	114	HB	1257.58	1258.25	1254.76			
4	9860	0	9860	4	186.84	208	111	HB	1295	1295.67	1292.26			
5	4671	0	4671	5	107.36	140	130	HB	1341	1341.67	1338.32			
6	2684	0	2684	6	130.8	140	107	HB	1369	1369.67	1366.32			
7	3270	0	3270	7	242.48	507	209	HB	1384.5	1385.17	1381.68			
8	10146	4084	6062	8	149.16	160	107	Walled	1531.25	1531.92	1528.6			
9	3729	0	3729	9	51.44	100	194	HB	0	0.00	0			
10	1286	0	1286	28	144.4	160	111	HB	1243	1243.667	1240.3			
11	3610	0	3610	29										

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²Notes: Regulated Impervious Area; ³Notes: Treatment Area Required/Provided

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SARATOGA, CA

CIVIL
ORIGINAL SIGNATURES IN BLUE INK

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SACRAMENTO REGION
BAY AREA REGION
HAYWARD, CA 94545
(P) (916) 946-1338
(F) (916) 946-1338
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ISSUES AND REVISIONS	
DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION
04-11-19	PLAN CHECK 1
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 - PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE
07-22-20	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-176
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

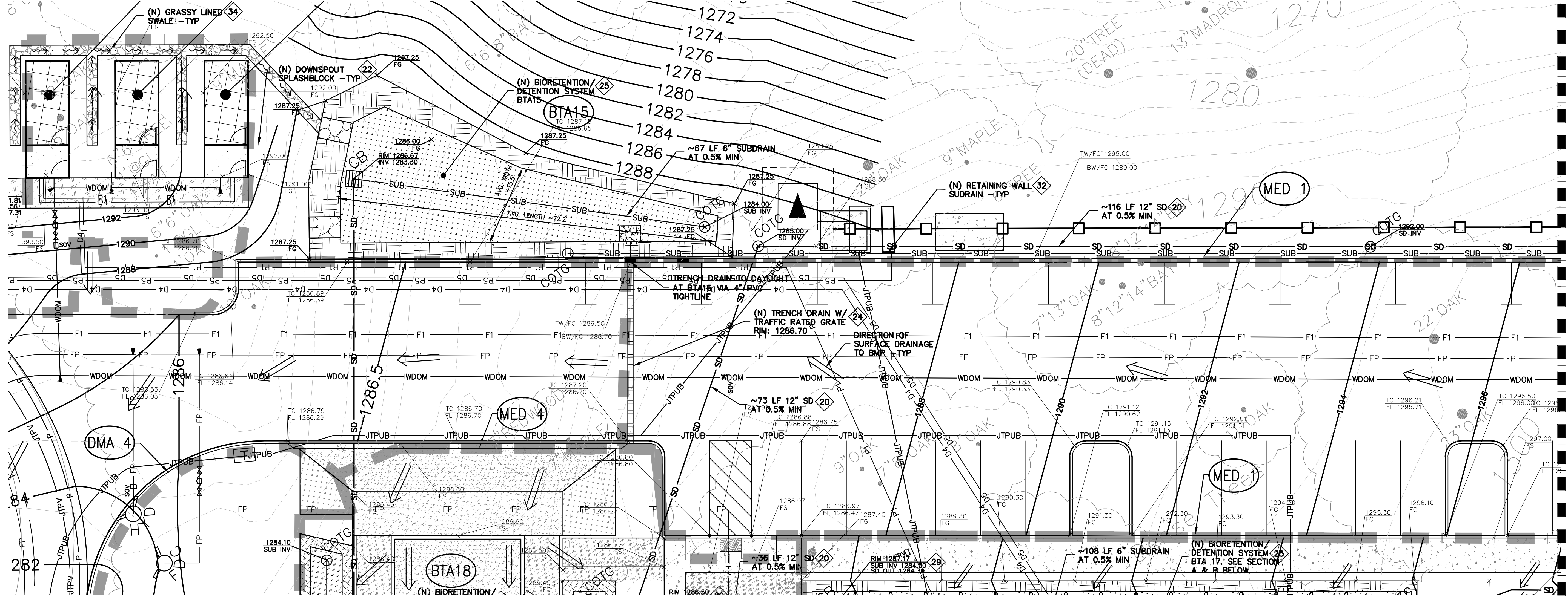
PROJECT NUMBER
16011.00

SHEET TITLE
STORMWATER
TREATMENT PLAN

SCALE
1" = 10'
PC / CA
Checked By
PC / JL
LB Job No.
2130712

SHEET NUMBER
C-10.9

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943



STORM DRAIN

- 20 (N) ON-SITE STORM DRAIN LINES SHALL BE 12" PVC (SDR 35 OR BETTER) SLOPED AT 0.5% MINIMUM UNLESS OTHERWISE NOTED ON PLANS.
- 21 CONNECT RAIN WATER DOWNSPOUTS TO 4" PVC (SDR-35) TIGHTLINE. SLOPED AT 1% MINIMUM. DIRECT TO NEAREST STORM DRAIN LINE. PROVIDE CLEAN OUT TO GRADE AT MAJOR CHANGES IN DIRECTION. AVOID USING 90° BENDS AND INSTEAD USE (2) 45° BENDS. TIGHTLINE MAY BE PLACED IN COMMON TRENCH WITH SUBDRAIN LINES, HOWEVER, NOT CONNECT TO SUBDRAIN LINES. CONNECT TO NEAREST STORM DRAIN LINE AS SHOWN ON PLAN. SEE DETAIL 7B ON SHEET C-7.0.
- 22 DIRECT DOWNSPOUTS TO 24" LONG PRECAST CONCRETE SPLASHBLOCKS OR OTHER HARD SURFACE. DIRECT AWAY FROM ANY STRUCTURE AND TOWARDS POSITIVE DRAINAGE. SEE DETAIL 7A ON SHEET C-7.0.
- 23 (N) ACCESS ROAD/DRIVEWAY EDGE DRAIN. SEE DETAIL 8 ON SHEET C-7.0.
- 24 INSTALL (N) TRENCH DRAINS SHALL BE 4" NDS "DURA-SLOPE" PRESLOPED TRENCH DRAINS WITH TRAFFIC RATED GRATE OR APPROVED EQUAL. CONNECT TO NEAREST STORM DRAIN LINE VIA 4" PVC TIGHTLINE.
- 25 (N) ON-SITE STORM WATER BIO-RETENTION AREA (BTA). SEE DETAILS 1A & 1B ON SHEET C-7.1. SEE PLANS FOR DESIGNATION.
- 26 INSTALL (N) DETENTION SYSTEM. SEE DETAIL 2 ON SHEET C-7.1.
- 27 INSTALL (N) RIP-RAP ENERGY DISSIPATER. SEE DETAIL 3 ON SHEET C-7.1.
- 28 (N) STORM DRAIN MANHOLE WITH METERED RELEASE OUTLET. SEE DETAIL 4 ON SHEET C-7.1.
- 29 (N) "CHRISTY V-24" SILT BASIN WITH GRAVEL BOTTOM. SEE DETAIL 5 SHEET C-7.1.
- 30 (N) "CHRISTY F08" AREA DRAINS. CONNECT TO ON-SITE STORM DRAIN SYSTEM. SEE DETAIL 6 ON C-7.1.
- 31 (N) BASEMENT LEVEL PERIMETER SUB DRAIN AROUND FOUNDATION. PIPE SHALL BE PERFORATED 4" PVC (SDR-35) WITH HOLES DOWN. SLOPED @ 1% MIN. SURROUND WITH 3/4" DRAIN ROCK AND WRAPPED IN FILTER FABRIC TO WITHIN 2' OF FINISHED GRADE/ CONNECT TO RIP RAP OUTFALL. SEE DETAIL 1 ON SHEET C-7.2.
- 32 (N) 4" PVC (SDR-35 OR BETTER) RETAINING WALL SUBDRAIN PER DETAIL 2 ON C-7.2.
- 33 (N) ROCKED LINE SWALE. SEE DETAIL 10 ON SHEET C-7.0.
- 34 (N) GRASSY SWALE. SEE DETAIL 5 ON SHEET C-7.0.

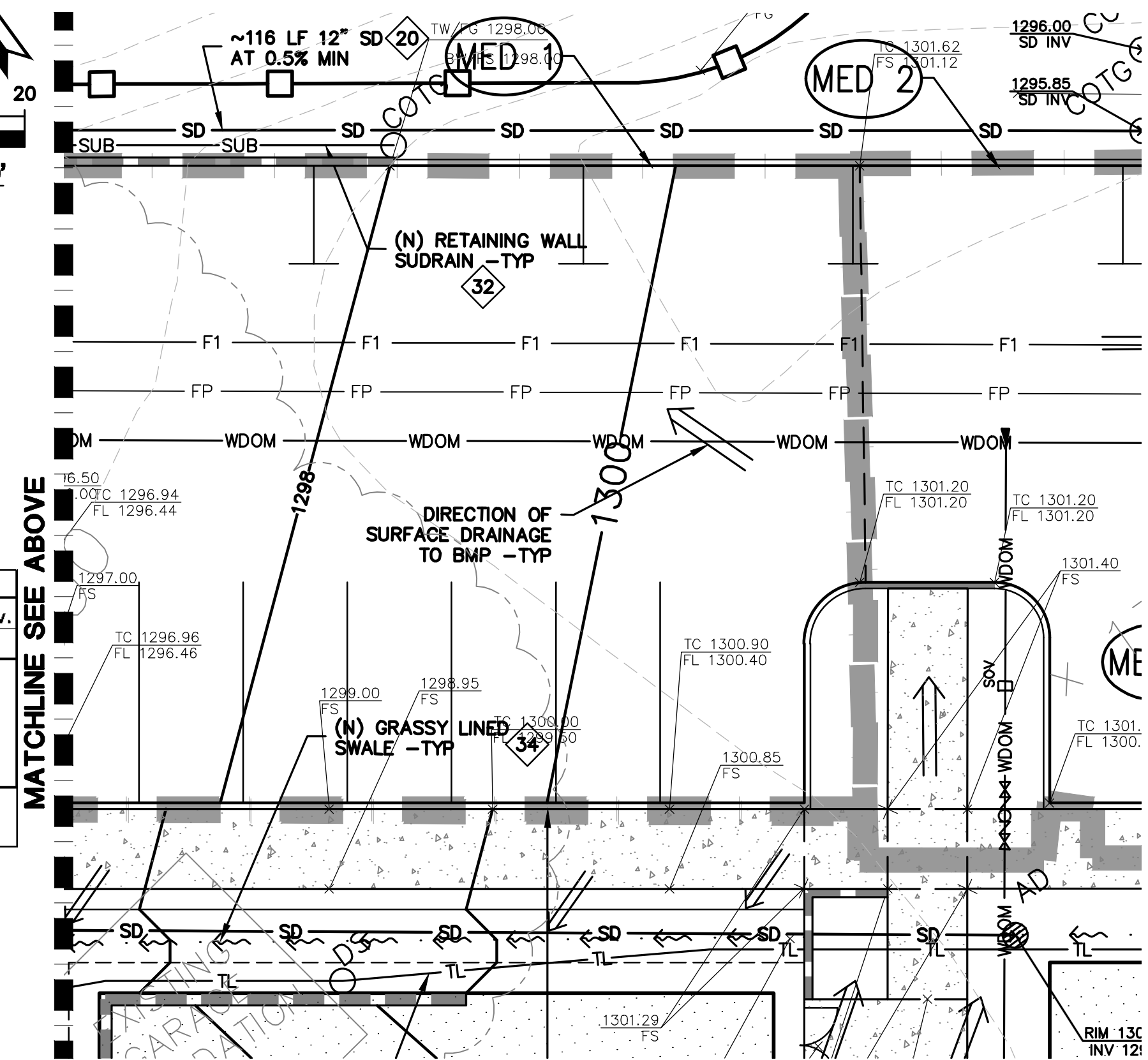
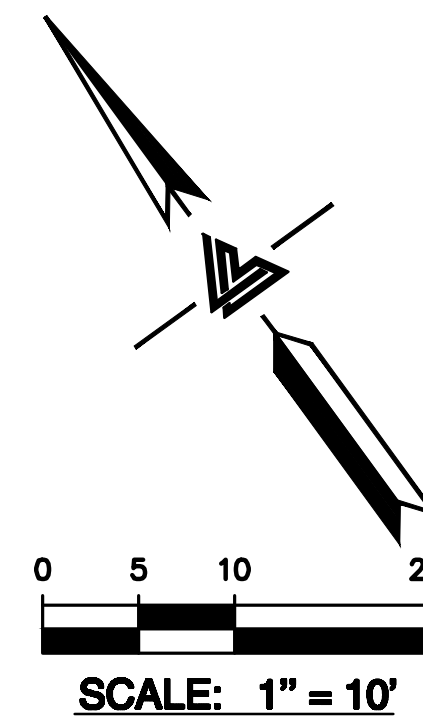
LEGEND

- BIO-RETENTION TREATMENT AREA HEADER BOARD (12" X 2") EDGE
- BIO-RETENTION TREATMENT AREA 3:1 SLOPED EDGE
- BIO-RETENTION TREATMENT AREA LANDSCAPE WALL EDGE (<18")
- RIP-RAP OUTFALL
- DECOMPOSED GRANITE (PERVIOUS AREA)
- DECOMPOSED GRANITE (IMPERVIOUS AREA)
- REDWOOD HEADER BOARD - 12" X 2"
- DIRECTION OF SURFACE DRAINAGE
- TRENCH DRAIN (TD)
- GRADE BREAK (GB)
- DMA DESIGNATION

Bioretention Treatment - 4% Rule					Bio-Treatment				
DMA #	Total Area (ft ²)	Tree Credit ¹ (ft ²)	Treated Area (ft ²)	BTA #	Required ² (ft ²)	Provided ³ (ft ²)	Percentage (%)	Bioretention Type	Bottom of Basin Elevation (ft)
Med. 1	11561	0	11561	15	462.44	1059	229	Graded/HB	1286
Med. 2	12350	568	11782	16	471.28	584	124	Graded	1300
Med. 3	24175	0	24175	17	967	1048	108	HB	1286.6
Med. 4	5048	0	5048	18	201.92	1479	732	Graded	1286.5
Med. 5	5930	2827	3103	19	124.12	269	217	Walled	1291
									Bottom of Gravel Elev. (ft)
									1282.82
									1297.14
									1284
									1282.5
									1288.08

¹Tree Canopy Credit - To encompass pathway/hardscape areas not feasible to drain into biotreatment system. Taken as area under surveyed canopy.

²Notes: Regulated Impervious Area; ³Notes: Treatment Area Required/Provided



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BAY AREA REGION
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ROSEVILLE, CA 95661
(P) (916) 946-1338
(F) (916) 946-1338
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DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 - PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-176
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
**STORMWATER
TREATMENT PLAN**

SCALE
1" = 10'
Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER
C-10.11

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943



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CIVIL ENGINEERS • LAND SURVEYORS
SACRAMENTO REGION
BAY AREA REGION
HAYWARD, CALIFORNIA 94545
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(F) (916) 946-1338
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DATE	DESCRIPTION
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07-22-20	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
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LDE FILE: 6943-17-176
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PROJECT NUMBER
16011.00

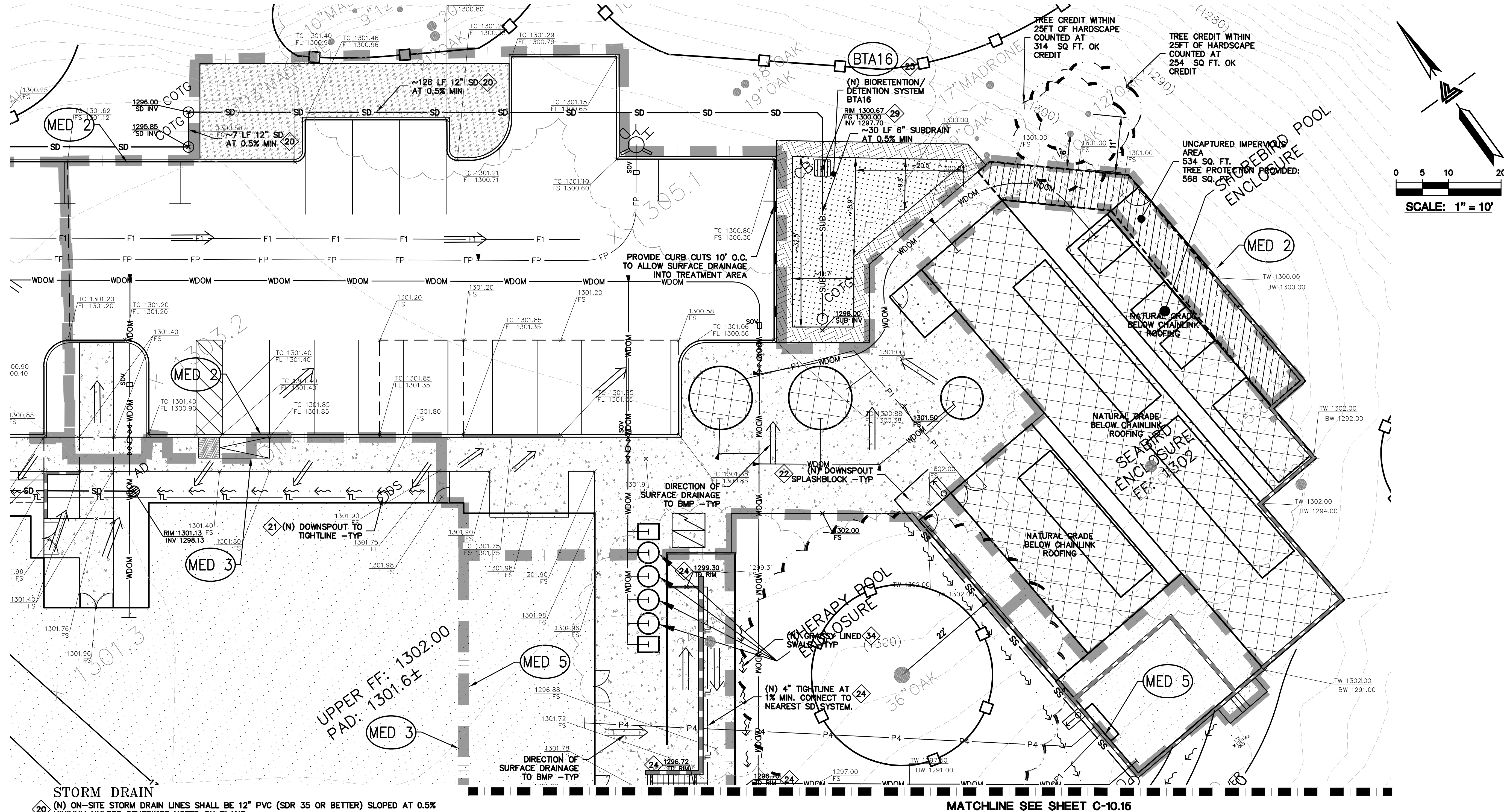
SHEET TITLE
**STORMWATER
TREATMENT PLAN**

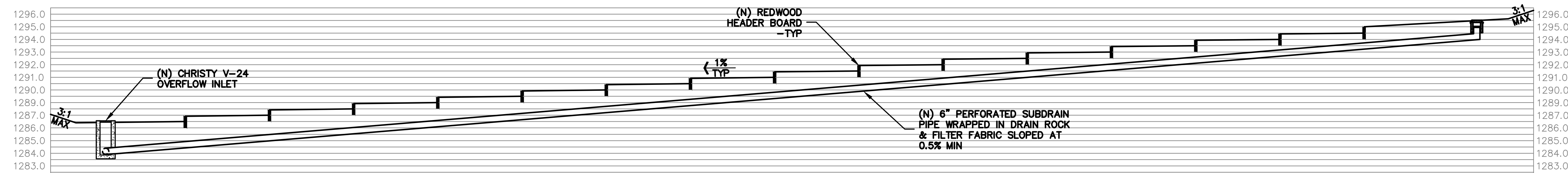
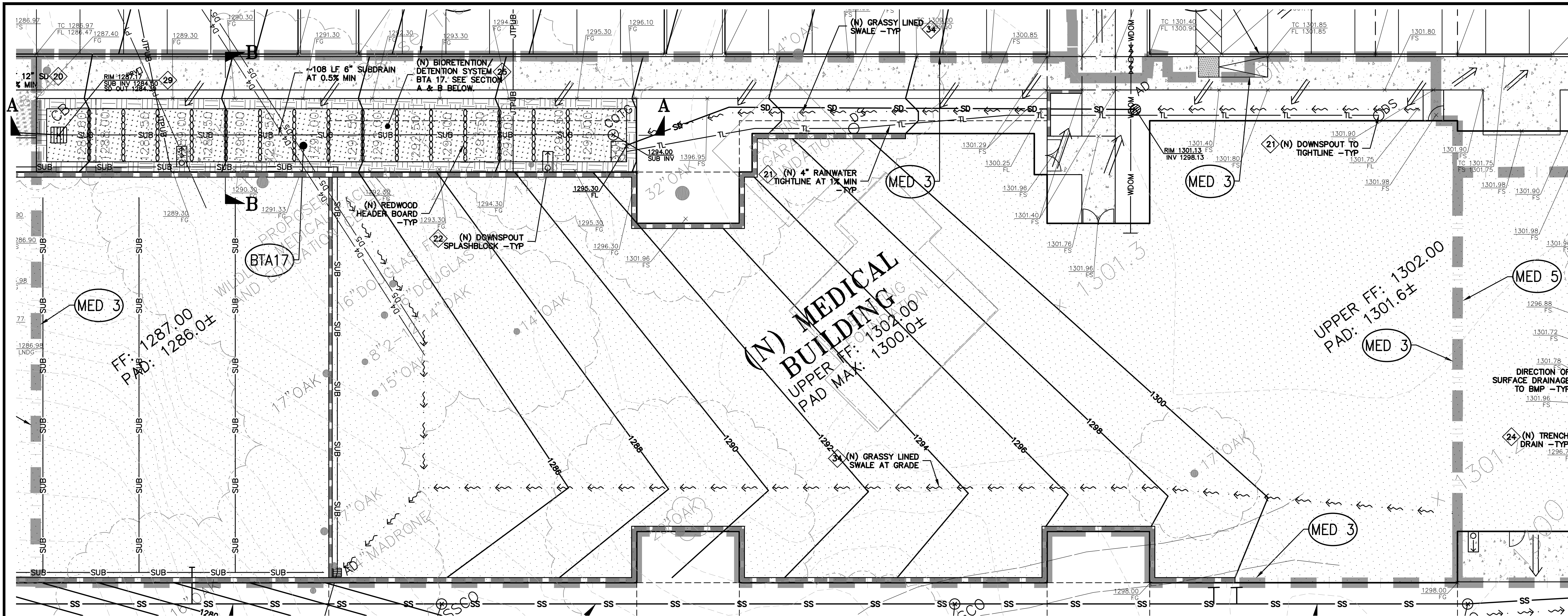
SCALE
1" = 10'
Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER

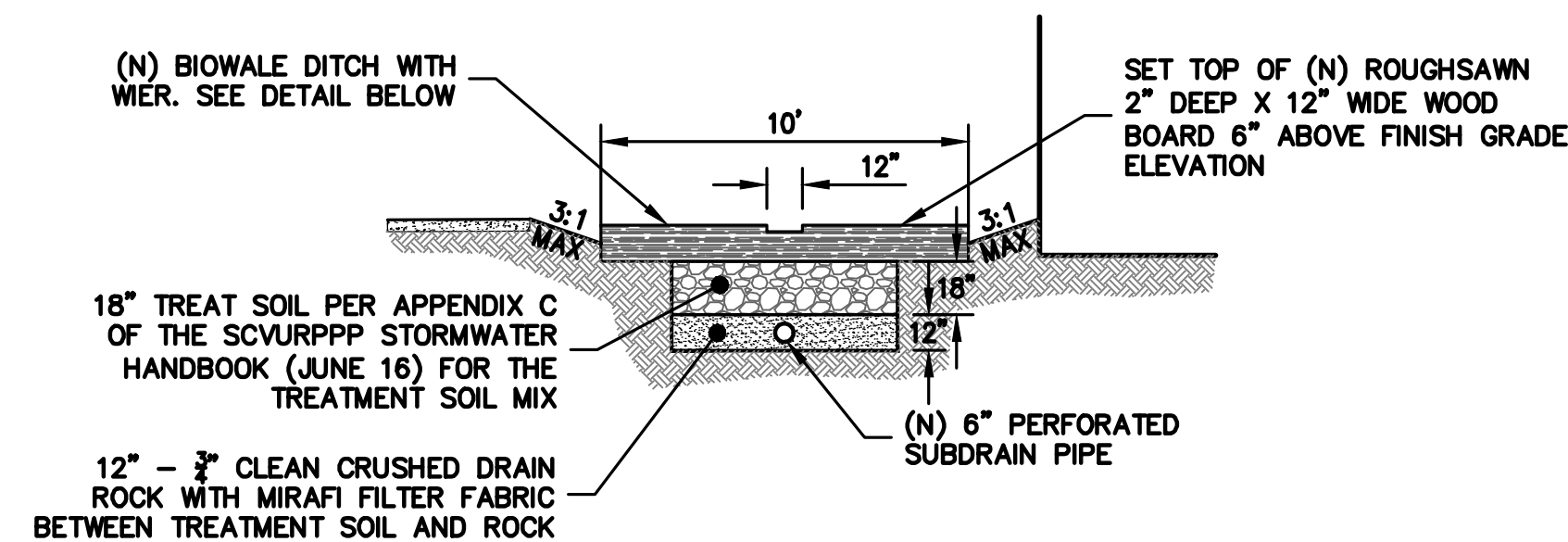
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ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943

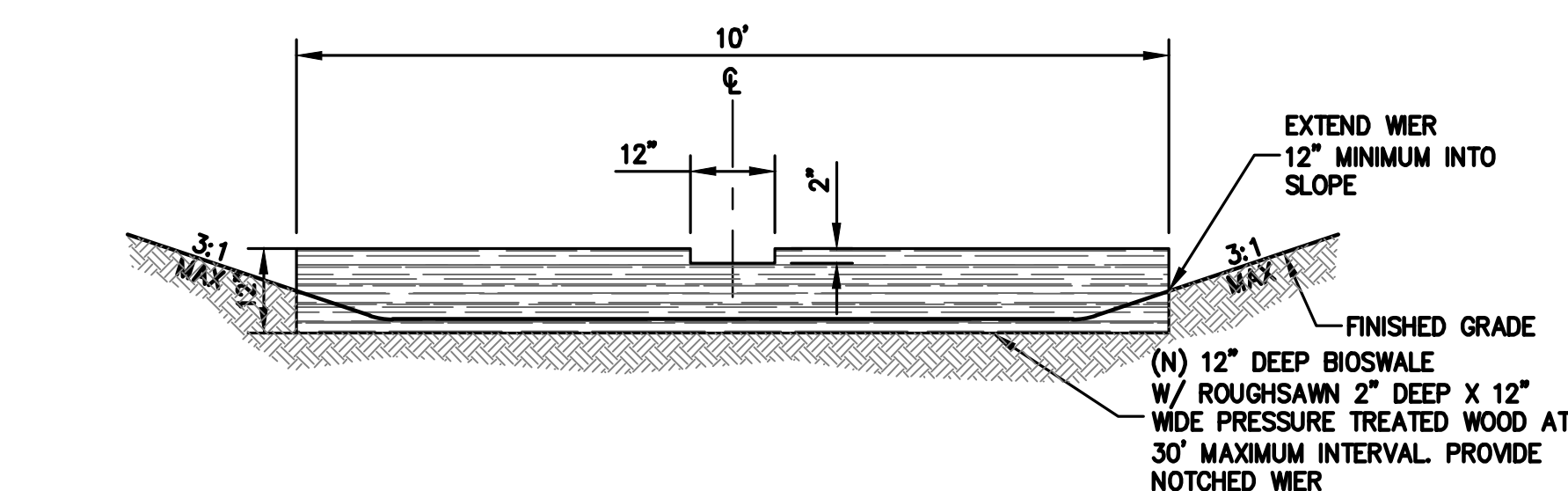




SECTION A
SCALE: 1" = 5' HORIZ & VERT



SECTION B
SCALE: 1" = 5' HORIZ & VERT



BIOSWALE DITCH WITH WIER
NTS

Bioretention Treatment - 4% Rule					Bio-Treatment				
DMA	Total ¹ Area	Tree Credit ¹	Treated ² Area	BTA	Required ³	Provided ³	Percentage	Bioretention	Bottom of Basin Elevation
#	(ft ²)	(ft ²)	(ft ²)	#	(ft ²)	(ft ²)	(%)	Type	(ft)
Med. 1	11561	0	11561	15	462.44	1059	229	Graded/HB	1286
Med. 2	12350	568	11782	16	471.28	584	124	Graded	1300
Med. 3	24175	0	24175	17	967	1048	108	HB	1286.6
Med. 4	5048	0	5048	18	201.92	1479	732	Graded	1285.5
Med. 5	5930	2827	3103	19	124.12	269	217	Walled	1291

¹Tree Canopy Credit - To encompass pathway/hardscape areas not feasible to drain into biotreatment system. Taken as area under surveyed canopy.

²Notes: Regulated Impervious Area; ³Notes: Treatment Area Required/Provided

STORM DRAIN

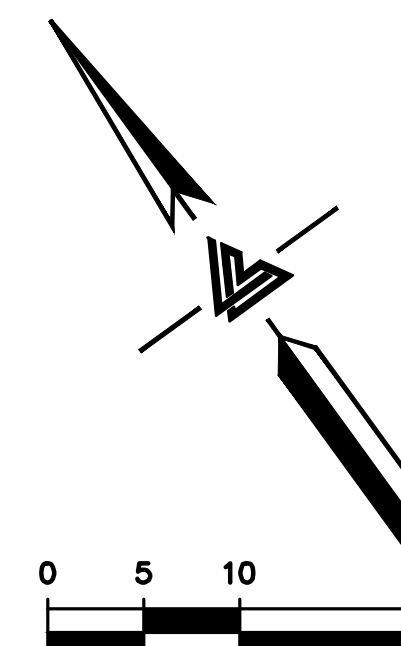
- 20 (N) ON-SITE STORM DRAIN LINES SHALL BE 12" PVC (SDR 35 OR BETTER) SLOPED AT 0.5% MINIMUM UNLESS OTHERWISE NOTED ON PLANS.
- 21 CONNECT RAIN WATER DOWNSPOUTS TO 4" PVC (SDR-35) TIGHTLINE, SLOPED AT 1% MINIMUM. DIRECT TO NEAREST STORM DRAIN LINE. PROVIDE CLEAN OUT AT MAJOR CHANGES IN DIRECTION. AVOID USING 90° BENDS AND INSTEAD USE (2) 45° BENDS. TIGHTLINE MAY BE PLACED IN COMMON TRENCH WITH SUBDRAIN LINES, HOWEVER, NOT CONNECT TO SUBDRAIN LINES. CONNECT TO NEAREST STORM DRAIN LINE AS SHOWN ON PLAN. SEE DETAIL 7B ON SHEET C-7.0.
- 22 DIRECT DOWNSPOUTS TO 24" LONG PRECAST CONCRETE SPLASHBLOCKS OR OTHER HARD SURFACE. DIRECT AWAY FROM ANY STRUCTURE AND TOWARDS POSITIVE DRAINAGE. SEE DETAIL 7A ON SHEET C-7.0.
- 23 (N) ACCESS ROAD/DRIVEWAY EDGE DRAIN. SEE DETAIL 8 ON SHEET C-7.0.
- 24 INSTALL (N) TRENCH DRAINS SHALL BE 4" NDS "DURA-SLOPE" PRESLOPED TRENCH DRAINS WITH TRAFFIC RATED GRATE OR APPROVED EQUAL. CONNECT TO NEAREST STORM DRAIN LINE VIA 4" PVC TIGHTLINE.
- 25 (N) ON-SITE STORM WATER BIO-RETENTION AREA (BTA). SEE DETAILS 1A & 1B ON SHEET C-7.1.

- 26 INSTALL (N) DETENTION SYSTEM. SEE DETAIL 2 ON SHEET C-7.1.
- 27 INSTALL (N) RIP-RAP ENERGY DISSIPATER. SEE DETAIL 3 ON SHEET C-7.1.
- 28 (N) STORM DRAIN MANHOLE WITH METERED RELEASE OUTLET. SEE DETAIL 4 ON SHEET C-7.1.
- 29 (N) "CHRISTY V-24" SILT BASIN WITH GRAVEL BOTTOM. SEE DETAIL 5 SHEET C-7.1.
- 30 (N) "CHRISTY FOB" AREA DRAINS. CONNECT TO ON-SITE STORM DRAIN SYSTEM. SEE DETAIL 6 ON C-7.1.
- 31 (N) BASEMENT LEVEL PERIMETER SUB DRAIN AROUND FOUNDATION. PIPE SHALL BE PERFORATED 4" PVC (SDR-35) WITH HOLES DOWN. SLOPED @ 1% MIN. SURROUND WITH 3/4" DRAIN ROCK AND WRAPPED IN FILTER FABRIC TO WITHIN 2' OF FINISHED GRADE/ CONNECT TO RIP RAP OUTFALL. SEE DETAIL 1 ON SHEET C-7.2.
- 32 (N) 4" PVC (SDR-35 OR BETTER) RETAINING WALL SUBDRAIN PER DETAIL 2 ON C-7.2.
- 33 (N) ROCKED LINE SWALE. SEE DETAIL 10 ON SHEET C-7.0.
- 34 (N) GRASSY SWALE. SEE DETAIL 5 ON SHEET C-7.0.

LEGEND

- BIO-RETENTION TREATMENT AREA HEADER BOARD (12" X 2") EDGE
- BIO-RETENTION TREATMENT AREA 3:1 SLOPED EDGE
- BIO-RETENTION TREATMENT AREA LANDSCAPE WALL EDGE (<18")
- RIIP-RAP OUTFALL
- DECOMPOSED GRANITE (PERVIOUS AREA)
- DECOMPOSED GRANITE (IMPERVIOUS AREA)
- REDWOOD HEADER BOARD - 12" X 2"
- DIRECTION OF SURFACE DRAINAGE
- TRENCH DRAIN (TD)
- GRADE BREAK (GB)
- DMA DESIGNATION

SCALE: 1" = 10'



KSH
ARCHITECTS
KORTH SUNSERI HAGEY

LEA & BRAZE ENGINEERING, INC.
CIVIL ENGINEERS • LAND SURVEYORS
SACRAMENTO REGION
BAY AREA REGION
1000 WEST
HAYWARD, CALIFORNIA 94543
(P) (916) 948-1338
(P) (510) 887-4086
(F) (510) 887-3018
(F) (510) 979-7583
WWW.LEABRAZE.COM

DATE	DESCRIPTION
09-06-18	GRADING PERMIT PLAN CHECK 4
12-21-18	PERMIT RESUBMITTAL PLAN CHECK 1
03-26-19	PERMIT MODIFICATION PLAN CHECK 1
04-11-19	ASA DELTA 2 BID SET
04-22-19	BID SET
05-10-19	BID SET ADDENDUM 1
05-22-19	UTILITY PLAN CHECK 1
08-06-19	PHASE 4 - PERMIT SUBMITTAL
09-20-19	CONSTRUCTION SET 1
01-28-20	PERMIT MODIFICATION 2
05-29-20	PLAN CHECK RESPONSE
07-22-20	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-176
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

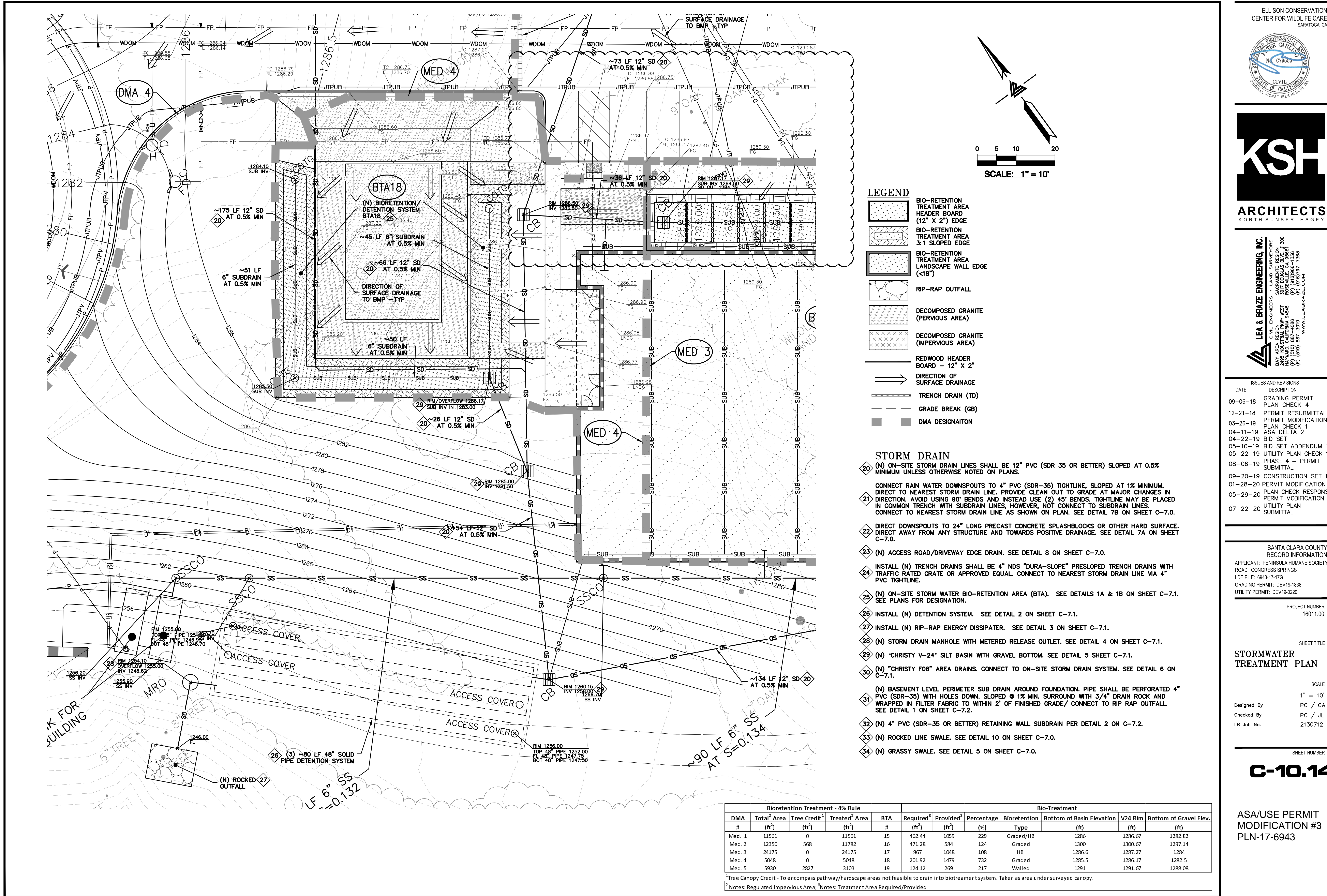
STORMWATER TREATMENT PLAN

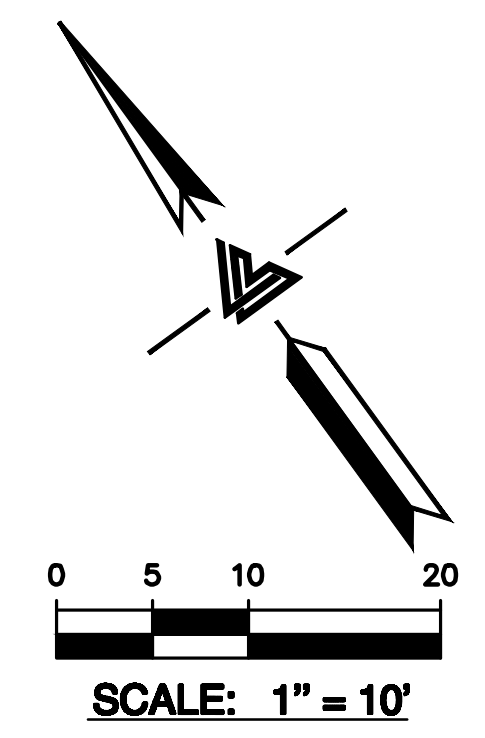
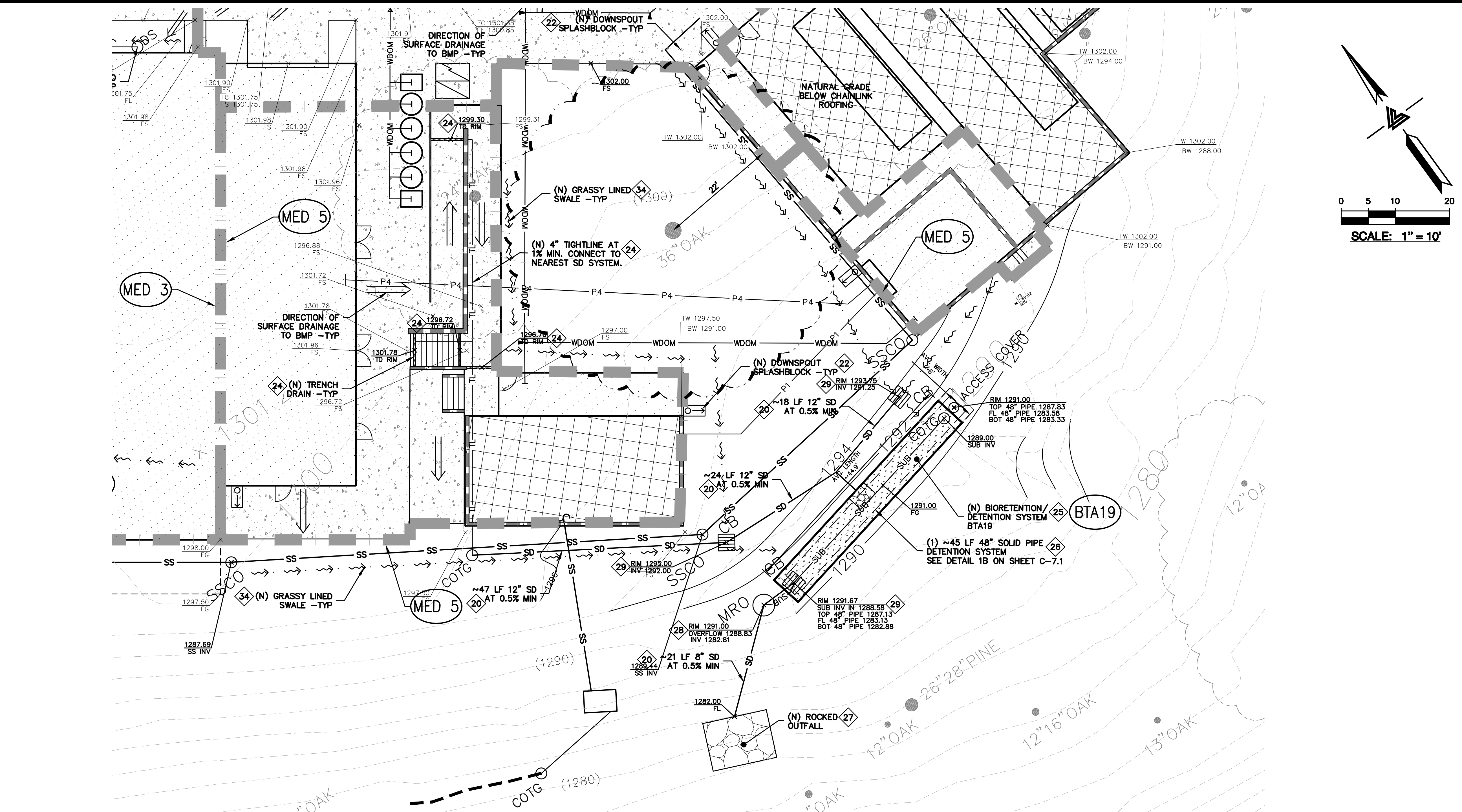
SCALE
1" = 10'
Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER

C-10.13

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943





- STORM DRAIN**
- 20 (N) ON-SITE STORM DRAIN LINES SHALL BE 12" PVC (SDR 35 OR BETTER) SLOPED AT 0.5% MINIMUM UNLESS OTHERWISE NOTED ON PLANS.
- 21 CONNECT RAIN WATER DOWNSPOUTS TO 4" PVC (SDR-35) TIGHTLINE, SLOPED AT 1% MINIMUM. DIRECT TO NEAREST STORM DRAIN LINE. PROVIDE CLEAN OUT TO GRADE AT MAJOR CHANGES IN DIRECTION. AVOID USING 90° BENDS AND INSTEAD USE (2) 45° BENDS. TIGHTLINE MAY BE PLACED IN COMMON TRENCH WITH SUBDRAIN LINES, HOWEVER, NOT CONNECT TO SUBDRAIN LINES. CONNECT TO NEAREST STORM DRAIN LINE AS SHOWN ON PLAN. SEE DETAIL 7B ON SHEET C-7.0.
- 22 DIRECT DOWNSPOUTS TO 24" LONG PRECAST CONCRETE SPLASHBLOCKS OR OTHER HARD SURFACE. DIRECT AWAY FROM ANY STRUCTURE AND TOWARDS POSITIVE DRAINAGE. SEE DETAIL 7A ON SHEET C-7.0.
- 23 (N) ACCESS ROAD/DRIVEWAY EDGE DRAIN. SEE DETAIL 8 ON SHEET C-7.0.
- 24 INSTALL (N) TRENCH DRAINS SHALL BE 4" NDS "DURA-SLOPE" PRESLOPED TRENCH DRAINS WITH TRAFFIC RATED GRATE OR APPROVED EQUAL. CONNECT TO NEAREST STORM DRAIN LINE VIA 4" PVC TIGHTLINE.
- 25 (N) ON-SITE STORM WATER BIO-RETENTION AREA (BTA). SEE DETAILS 1A & 1B ON SHEET C-7.1. SEE PLANS FOR DESIGNATION.
- 26 INSTALL (N) DETENTION SYSTEM. SEE DETAIL 2 ON SHEET C-7.1.
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- LEGEND**
- BIO-RETENTION TREATMENT AREA HEADER BOARD (12" X 2") EDGE
 - BIO-RETENTION TREATMENT AREA 3:1 SLOPED EDGE
 - BIO-RETENTION TREATMENT AREA LANDSCAPE WALL EDGE (<18")
 - RIP-RAP OUTFALL
 - DECOMPOSED GRANITE (PERVIOUS AREA)
 - DECOMPOSED GRANITE (IMPERVIOUS AREA)
 - REDWOOD HEADER BOARD - 12" X 2"
 - DIRECTION OF SURFACE DRAINAGE
 - TRENCH DRAIN (TD)
 - GRADE BREAK (GB)
 - DMA DESIGNATION

Bioretention Treatment - 4% Rule					Bio-Treatment						
DMA #	Total ¹ Area (ft ²)	Tree Credit ¹ (ft ²)	Treated ² Area (ft ²)	BTA #	Required ³ (ft ²)	Provided ³ (ft ²)	Percentage (%)	Bioretention Type	Bottom of Basin Elevation (ft)	V24 Rim (ft)	Bottom of Gravel Elev. (ft)
Med. 1	11561	0	11561	15	462.44	1059	229	Graded/HB	1286	1286.67	1282.82
Med. 2	12350	568	11782	16	471.28	584	124	Graded	1300	1300.67	1297.14
Med. 3	24175	0	24175	17	967	1048	108	HB	1286.6	1287.27	1284
Med. 4	5048	0	5048	18	201.92	1479	732	Graded	1285.5	1286.17	1282.5
Med. 5	5930	2827	3103	19	124.12	269	217	Walled	1291	1291.67	1288.08

¹ Tree Canopy Credit - To encompass pathway/hardscape areas not feasible to drain into biotreatment system. Taken as area under surveyed canopy.
² Notes: Regulated Impervious Area; ³ Notes: Treatment Area Required/Provided

ELLISON CONSERVATION
CENTER FOR WILDLIFE CARE
SARATOGA, CA

CIVIL
No. C79553
ORIGINAL SIGNATURES IN BLUE INK

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CIVIL ENGINEERS • LAND SURVEYORS
SACRAMENTO REGION
BAY AREA REGION
HAYWARD, CALIFORNIA 94543
(P) (916) 948-1338
(F) (510) 887-3018
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ISSUES AND REVISIONS

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07-22-20	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY
RECORD INFORMATION

APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-17G
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
**STORMWATER
TREATMENT PLAN**

SCALE
1" = 10'

Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

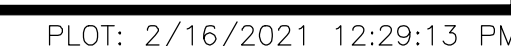
SHEET NUMBER
C-10.15

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943

**SANTA CLARA COUNTY
RECORD INFORMATION**

APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
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CIVIL ENGINEERS • LAND SURVEYORS
BAY AREA REGION: 1000 WEST
HAYWARD, CALIFORNIA 94545
(P) (916) 887-4086
(F) (916) 887-4088
WWW.LEA-BRAZE.COM

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05-29-20	PLAN CHECK RESPONSE PERMIT MODIFICATION 2
07-22-20	UTILITY PLAN SUBMITTAL

SANTA CLARA COUNTY
RECORD INFORMATION
APPLICANT: PENINSULA HUMANE SOCIETY
ROAD: CONGRESS SPRINGS
LDE FILE: 6943-17-176
GRADING PERMIT: DEV19-1838
UTILITY PERMIT: DEV19-0220

PROJECT NUMBER
16011.00

SHEET TITLE
BLUEPRINT FOR A CLEAN BAY

SCALE
1" = 10'
Designed By PC / CA
Checked By PC / JL
LB Job No. 2130712

SHEET NUMBER

C-10.17

ASA/USE PERMIT
MODIFICATION #3
PLN-17-6943

Storm Drain Pollution Prevention: It's Up to Us

In the Santa Clara Valley, storm drains flow directly to local creeks and San Francisco Bay, with no treatment. Storm water pollution is a serious problem for wildlife dependent on our waterways and for the people who live near polluted streams or bayslands. Some common sources of this pollution include spilled oil, fuel, and fluids from vehicles and heavy equipment; construction debris; landscaping runoff containing pesticides or weed killers; and materials such as used motor oil, antifreeze, and paint products that people pour or spill into a street or storm drain.

Thirteen valley cities have joined together with Santa Clara County and the Santa Clara Valley Water District to educate local residents and businesses and fight storm drain pollution. We hope you will join us, by using the practices described in this sheet.

Spill Response Agencies

1. DIAL 911
2. Santa Clara Valley Water District Environmental Compliance Division (408) 927-0710.
3. Governor's Office of Emergency Services Warning Center (800) 852-7550 (24 hours).

Local Pollution Control Agencies

Santa Clara County Office of Toxics and Solid Waste Management
(408) 441-1195

Santa Clara Valley Water District
(408) 927-0710

Palo Alto Regional Water Quality Control Plant
(650) 329-2598
Serving East Palo Alto, Los Altos, Los Altos Hills, Mountain View, Palo Alto, and Stanford

City of Los Altos

Building Department
(650) 948-0226

Engineering Department
(650) 948-1491

What Can You Do?

General Business Practices

- Both at your yard and the construction site, always store both dry and wet materials under cover, protected from rainfall and runoff. Protect dry materials from wind.
- Secure bags of cement after they are open. Be sure to keep wind-blown cement powder away from gutters, storm drains, rainfall, and runoff.
- Wash out concrete mixers only in designated wash-out areas in your yard, where the water will flow into containment ponds or onto dirt. Whenever possible, recycle washout by pumping back into mixers for reuse. Never dispose of washout into the street, storm drains, drainage ditches, or streams.

During Construction

- Don't mix up more fresh concrete or cement than you will use in a day.
- Set up and operate small mixers on tarps or heavy plastic drop cloths.
- When cleaning up after driveway or sidewalk construction, wash fines onto dirt areas, not down the driveway or into the street or storm drain.
- Place hay bales or other erosion controls down-slope to capture runoff carrying mortar or cement before it reaches the storm drain.
- When breaking up paving, be sure to pick up all the pieces and dispose properly.
- Recycle large chunks of broken concrete at a landfill.
- Dispose of small amounts of excess dry concrete, grout, and mortar in the trash.
- Never bury waste material.

Storm Drain Pollution from Masonry and Paving

Fresh concrete and cement-related mortars that wash into lakes, streams, or estuaries are toxic to fish and the aquatic environment. Disposing of these materials to the storm drains or creeks causes serious problems — and is prohibited by law.

Fresh Concrete and Mortar Application



Best Management Practices for the

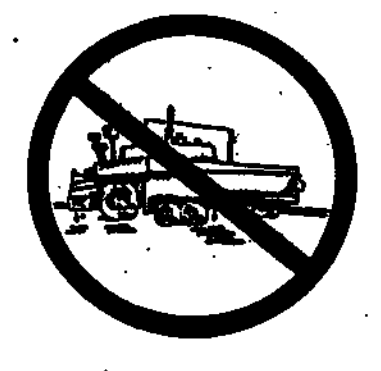
- Masons and bricklayers
- Sidewalk construction crews
- Patio construction workers
- Construction inspectors
- General contractors
- Home builders
- Developers

- Cover and seal catch basins and manholes when applying seal coat, slurry seal, fog seal, etc.
- Use check dams, ditches, or berms to divert runoff around excavations.
- Never wash excess material from exposed aggregate concrete or similar treatments into a street or storm drain. Collect and recycle, or dispose to dirt area.
- Cover stockpiles (asphalt, sand, etc.) and other materials with plastic tarps. Protect from rainfall and prevent runoff with temporary roofs or plastic sheets and berms.
- Catch drips from paver with drip pans or absorbent material (cloth, rags, etc.) placed under machine when not in use.
- Clean up all spills and leaks using "dry" methods (with absorbent materials and/or rags), or dig up and remove contaminated soil.
- Collect and recycle or appropriately dispose of excess abrasive gravel or sand.
- Avoid over-application by water trucks for dust control.

Asphalt/Concrete Removal

- Avoid creating excess dust when breaking asphalt or concrete.
- After breaking old pavement, be sure to remove all chunks and pieces.
- Make sure broken pavement does not come in contact with rainfall or runoff.
- Shovel or vacuum saw-cut slurry and remove from the site. Cover or barricade storm drain during saw-cutting if necessary.
- Never hose down streets to clean up tracked dirt.

Roadwork and Paving



Best Management Practices for the

- Road crews
- Driveway/sidewalk/parking lot construction crews
- Seal coat contractors
- Operators of grading equipment
- Paving machines
- Dump trucks
- Concrete mixers
- Construction inspectors
- General contractors
- Developers

Storm Drain Pollution from Roadwork

Road paving, surfacing, and pavement removal happen right in the street, where there are numerous opportunities for storm drain contamination by asphalt, saw-cut slurry, or excavated material. Extra planning is required to store and dispose of materials properly and guard against pollution of the storm drains and creeks.

What Can You Do?

- General Business Practices**
 - Develop and implement erosion/sediment control plans for embankments.
 - Schedule excavation and grading work for dry weather.
 - Check for and repair leaking equipment.
 - Perform major equipment repairs in designated areas at your yard, away from the construction site.
 - When refueling or vehicle/equipment maintenance must be done on site, designate a location away from storm drains and creeks.
 - Do not use diesel oil to lubricate equipment or parts.
 - Recycle used oil, concrete, broken asphalt, etc. whenever possible.
- During Construction**
 - Avoid paving and seal coating in wet weather, or when rain is forecast before fresh pavement will have time to cure.

Painting and Application of Solvents and Adhesives



Best Management Practices for the

- Painters
- Paperhangers
- Plasterers
- Graphic artists
- Dry wall crews
- Floor covering installers
- General contractors
- Home builders
- Developers

What Can You Do?

Keep all liquid paint products and wastes away from the gutter, street, and storm drains. Liquid residues from paints, thinners, solvents, glues, and cleaning fluids are hazardous wastes. When they are thoroughly dry, empty paint cans, spent brushes, rags, and drop cloths may be disposed of as trash.

Paint Removal

- Chemical paint stripping residue is a hazardous waste.
- Chips and dust from marine paints or paints containing lead or tributyl tin are hazardous wastes. Dry sweep and dispose of appropriately.
- Paint chips and dust from non-hazardous dry stripping and sand blasting may be swept up and disposed as trash.
- When stripping or cleaning building exteriors with high-pressure water, block storm drains. Wash water onto a dirt area and spade into soil. Or, check with the local wastewater treatment authority to find out if you can collect (trap or vacuum) building cleaning water and dispose to the sanitary sewer.

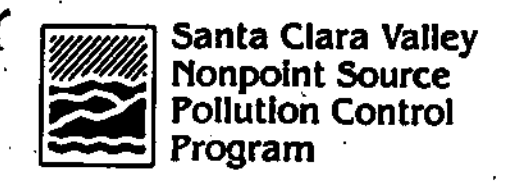
Storm drain pollution from paints, solvents, and adhesives

All paints, solvents, and adhesives contain chemicals that are harmful to the wildlife in our creeks and Bay. Toxic chemicals may come from liquid or solid products or from cleaning residues on rags. It is especially important not to clean brushes or painting equipment (buckets, pans, hoses, etc.) in an area where paint or paint cleaning water can flow to a gutter, street, or storm drain.

Recycle/reuse leftover paints whenever possible.

- Recycle excess water-based paint, or use up. Dispose of excess liquid, including sludges, as hazardous waste.
- Reuse leftover oil-based paint. Dispose of excess liquid, including sludges, as hazardous waste.

Home Repair and Remodeling



Landscaping/foundation work

- Intensive gardening, landscaping, and all excavation projects such as foundation repair or pool construction expose soils and increase the likelihood that garden chemicals and earth will wash into the storm drains. Be careful to control erosion and minimize runoff to all driveways, gutters, and storm drains.
- Schedule grading and excavation projects for dry weather.
- Cover excavated material and stockpiles of asphalt, sand, etc. with plastic tarps during the rainy season.
- Replant as soon as possible, with temporary vegetation such as annual grass seed if necessary. Revegetation provides excellent erosion control.
- Take care not to over-apply pesticides, and use up leftover supply. Rinse empty containers, and use fine-mesh strainer as you would use the product.
- Dispose of unused pesticides as hazardous waste.
- Collect lawn and garden clippings, pruning waste, and tree trimmings. Many cities and landfills have yard waste composting programs. Check with your local recycling program.
- Do not blow or rake leaves, etc. into the street, or place yard waste in gutters or on dirt shoulders.

General construction

- Keep all construction debris away from the street, gutter, and storm drain.
- During cleanup, check the street and gutters for refuse or debris. Look around the corner or downstream for material that may have already traveled away from your property.
- If you or your contractor keep a dumpster at your site, be sure it is securely covered with a lid or tarp when not in use.
- Paint the inside of galvanized rain gutters to reduce corrosion.

General construction
Landscaping/foundation work
Painting and paint cleanup
Masonry and tile work

Heavy Equipment Operation



Best Management Practices for the

- Vehicle and equipment operators
- Site supervisors
- General contractors
- Home builders
- Developers

What Can You Do?

Site Planning and Preventive Vehicle Maintenance

- Designate one area of the construction site, well away from streams or storm drain inlets, for auto and equipment parking, refueling, and routine vehicle and equipment maintenance.
- Maintain all vehicles and heavy equipment. Inspect frequently for leaks.
- Perform major maintenance, repair jobs, and vehicle and equipment washing off site.
- If you must drain and replace motor oil, radiator coolant, or other fluids on site, use drip pans or drop cloths to catch drips and spills. Collect all spent fluids, store in separate containers, and recycle whenever possible.
- Do not use diesel oil to lubricate equipment or parts.

Storm Drain Pollution from Heavy Equipment on the Construction Site

Poorly maintained vehicles and heavy equipment leaking fuel, oil, antifreeze or other fluids on the construction site are common sources of storm water pollution. Prevent spills and leaks by isolating equipment from runoff channels, and by watching for leaks and other maintenance problems. Remove construction equipment from the site as soon as possible.

- Never hose down "dirty" pavement or impermeable surfaces where fluids have spilled. Use dry cleanup methods (absorbent materials, cat litter, and/or rags) whenever possible. If you must use water, use just enough to keep the dust down.
- Sweep up spilled dry materials immediately. Never attempt to "wash them away" with water, or bury them.
- Use as little water as possible for dust control.
- Clean up spills on dirt areas by digging up and properly disposing of contaminated soil.
- Report significant spills to the appropriate spill response agencies immediately. (See reverse.)

Landscaping, Gardening, and Pool Maintenance



Best Management Practices for the

- Landscapers
- Gardeners
- Swimming pool/spa service and repair workers
- General contractors
- Home builders
- Developers

What Can You Do?

General Business Practices

- Protect stockpiles and landscaping materials from wind and rain by storing them under tarps or secured plastic sheeting.
- Store pesticides, fertilizers, and other chemicals indoors or in a shed or storage cabinet.
- Schedule grading and excavation projects for dry weather.
- Use temporary check dams or ditches to divert runoff away from storm drains.
- Protect storm drains with hay bales or other erosion controls.
- Revegetation is an excellent form of erosion control for any site.

Pool/Fountain/Spa Maintenance

- Never discharge pool or spa water to a street or storm drain.
- When emptying a pool or spa, let chlorine dissipate for a few days, and then recycle/reuse water by draining it gradually onto a landscaped area.
- OR,
- Contact the local sewage treatment authority. You may be able to discharge to the sanitary sewer by running a hose to a utility sink or sewer pipe cleanout junction.

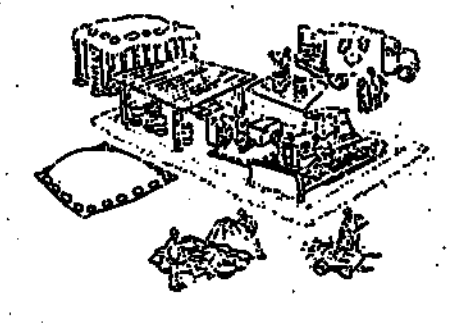
Storm Drain Pollution from Landscaping and Swimming Pool Maintenance

Many landscaping activities expose soils and increase the likelihood that earth and garden chemicals will run off into the storm drains during irrigation or when it rains. Swimming pool water containing chlorine and copper-based algaecides should never be discharged to storm drains. These chemicals are toxic to aquatic life.

Landscaping/Garden Maintenance

- Use up pesticides. Rinse containers, and use rinsewater as product. Dispose of rinsed containers in the trash.
- Dispose of unused pesticide as hazardous waste.
- Collect lawn and garden clippings, pruning waste, and tree trimmings. Chip if necessary, and compost.
- Is communities with curbside yard waste recycling, leave clippings and pruning waste for pickup in approved bags or containers. Or, take to a landfill that composts yard waste.
- Do not place yard waste in gutters.
- Do not blow or rake leaves, etc. into the street.

General Construction and Site Supervision



Advance Planning to Prevent Pollution

- Schedule excavation and grading activities for dry weather periods.
- Control the amount of runoff eroding your site (especially during excavation) by using berms or drainage ditches to divert water flow around the site.
- Train your employees and subcontractors. Make this sheet available to everyone who works on the site. Inform subcontractors about the new storm water requirements and their own responsibilities. Refer to *Blueprint for a Clean Bay*, a construction best management practices guide available from the Santa Clara Valley Nonpoint Source Pollution Control Program.

Good housekeeping Practices

- Designate one area of the site for auto parking, vehicle refueling, and routine equipment maintenance. The designated area should be well away from streams or storm drain inlets, and bermed if necessary. Make major repairs off site.
- Keep materials out of the rain — prevent runoff contamination at the source. Cover exposed piles of soil or construction materials with plastic sheeting or temporary roofs. Before it rains, sweep and remove materials from surfaces that drain to storm drains, creeks, or channels.
- Place pollutants off exposed surfaces. Keep trash cans and recycling receptacles around the site to minimize litter.
- Clean up leaks, drips and other spills immediately so they do not contaminate soil or groundwater or leave residue on paved surfaces.
- Never hose down "dirty" pavement or surfaces where materials have spilled. Use dry cleanup methods whenever possible. If you must use water, use just enough to keep the dust down.

Storm Drain Pollution from Construction Activities

Construction sites are common sources of storm water pollution. Materials and wastes that blow or wash into a storm drain, gutter, or street have a direct impact on local creeks and the Bay. As a contractor, site supervisor, owner or operator of a site, you may be responsible for any environmental damage caused by your subcontractors or employees.

Materials/Waste/Handling

- Practice Source Reduction — minimize waste when you order materials. Order only the amount you need to finish the job.
- Use recyclable materials whenever possible.
- Dispose of all wastes properly. Many construction materials and wastes, including solvents, water-based paints, vehicle fluids, broken asphalt and concrete, wood, and cleared vegetation can be recycled. (See the reference list of recyclers at the back of *Blueprint for a Clean Bay*) Materials that cannot be recycled must be taken to an appropriate landfill or disposed of as hazardous waste. Never bury waste materials or leave them in the street or near a creek or stream bed.

