

ALBANY HILL HABITAT RESTORATION PLAN

CITY OF ALBANY, CA
100% DESIGN | JANUARY 27, 2025

CLIENT

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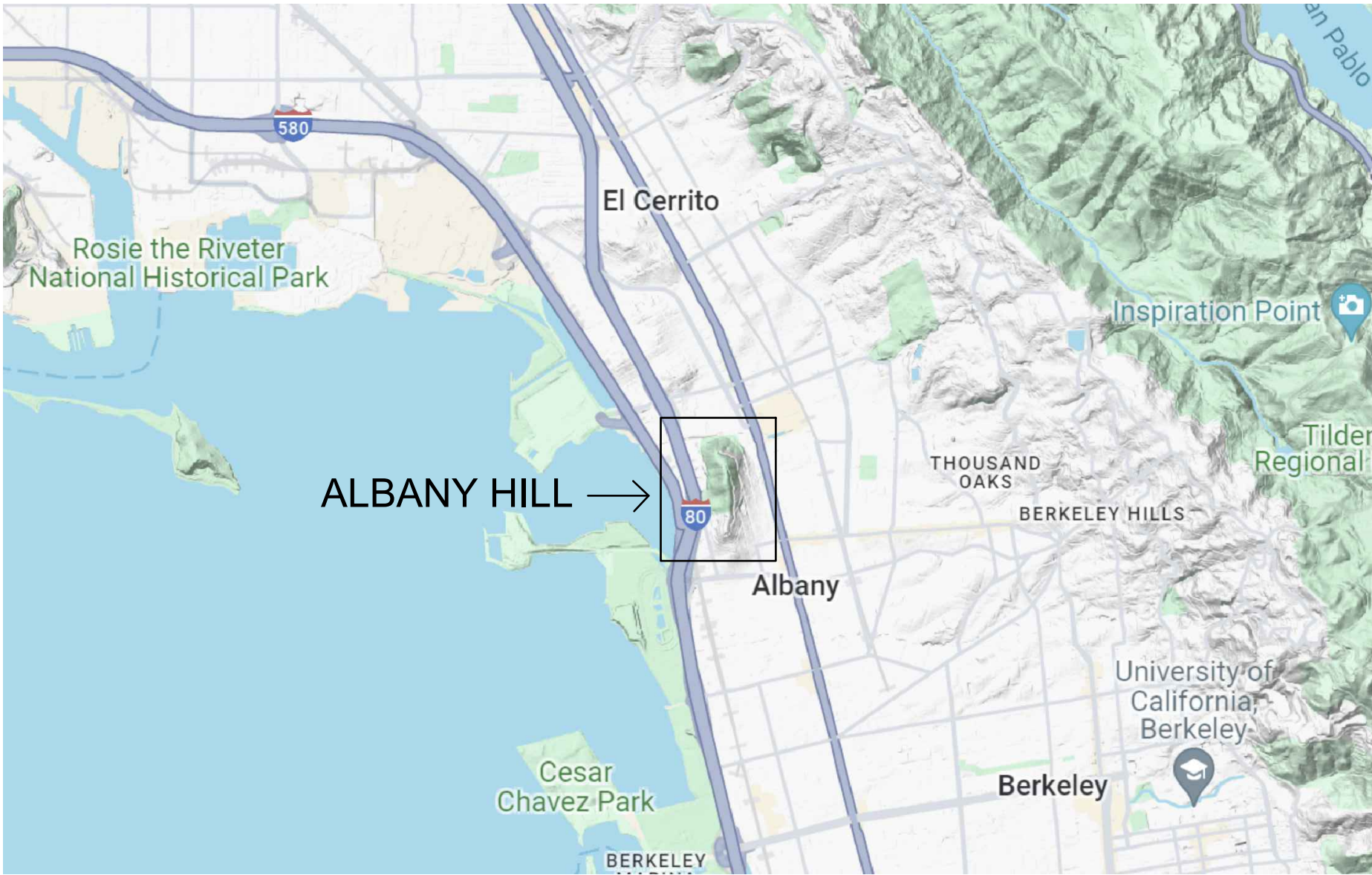
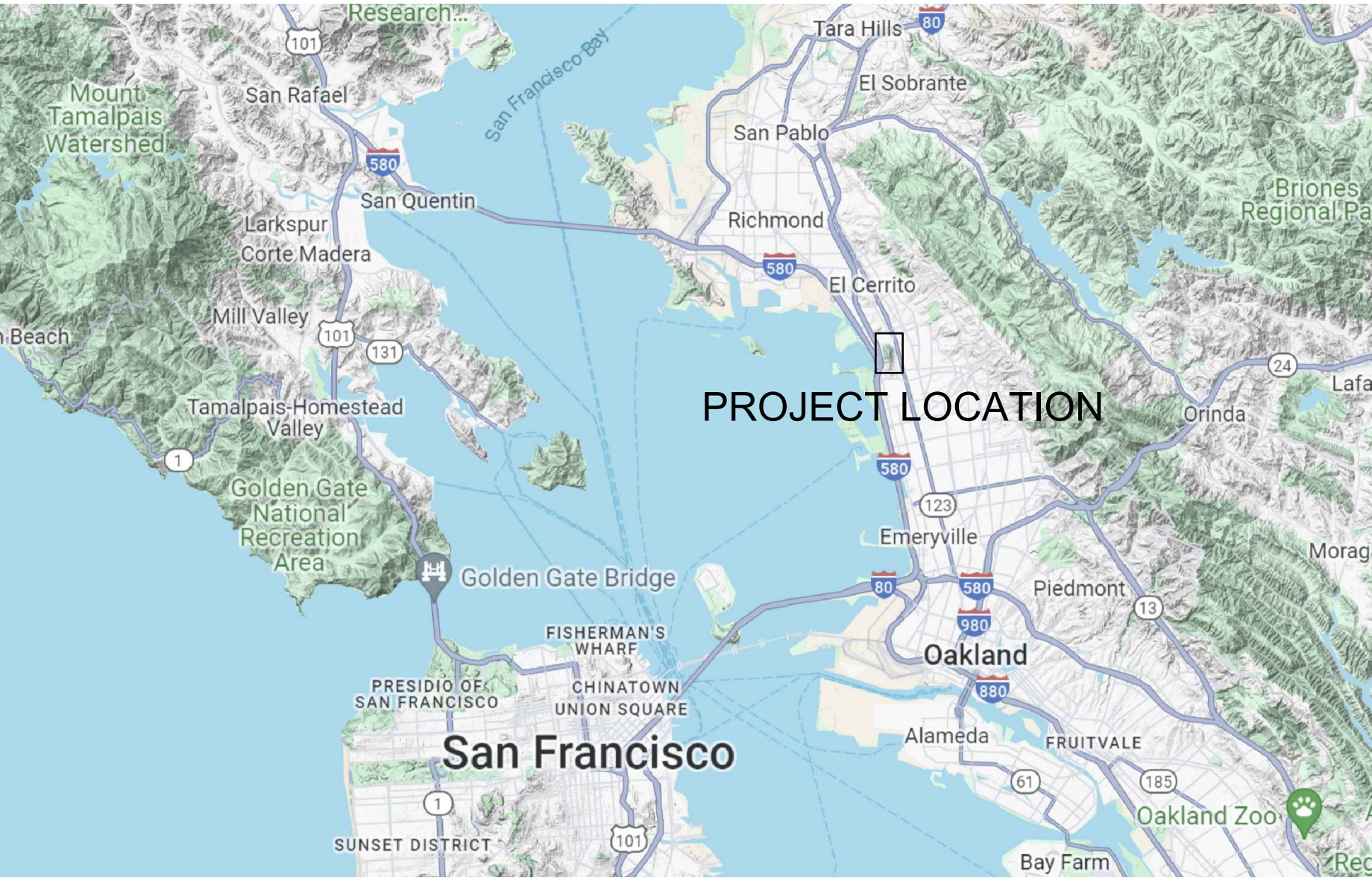
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MONARCH BUTTERFLY BIOLOGICAL REVIEW:
CREEKSIDE CENTER FOR EARTH OBSERVATION
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PROJECT LOCATION



ABBREVIATIONS

BB	BOTTOM OF BANK
CLR	CLEAR
CL	CENTERLINE
EC	EDGE OF CHANNEL
(E)	EXISTING
FG	FINISH GRADE
FL	FLOW LINE
FP	FLOODPLAIN
FS	FINISH SURFACE
GB	GRADE BREAK
HP	HIGH POINT
LB	LEFT BANK
LP	LOW POINT
L.O.W.	LIMIT OF WORK
MM	MEET AND MATCH
N.I.C.	NOT IN CONTRACT
OC	ON CENTER
O.R.	OWNER'S REPRESENTATIVE
PA	PLANTING AREA
PP	PRESERVE AND PROTECT
RB	RIGHT BANK
R.O.W.	RIGHT-OF-WAY
TB	TOP OF BANK
TBD	TO BE DETERMINED
TYP.	TYPICAL
UON	UNLESS OTHERWISE NOTED
VIF	VERIFY IN FIELD

REVISIONS

NO.	DATE	DESCRIPTION	APPR

ALBANY HILL HABITAT RESTORATION PLAN

COVER

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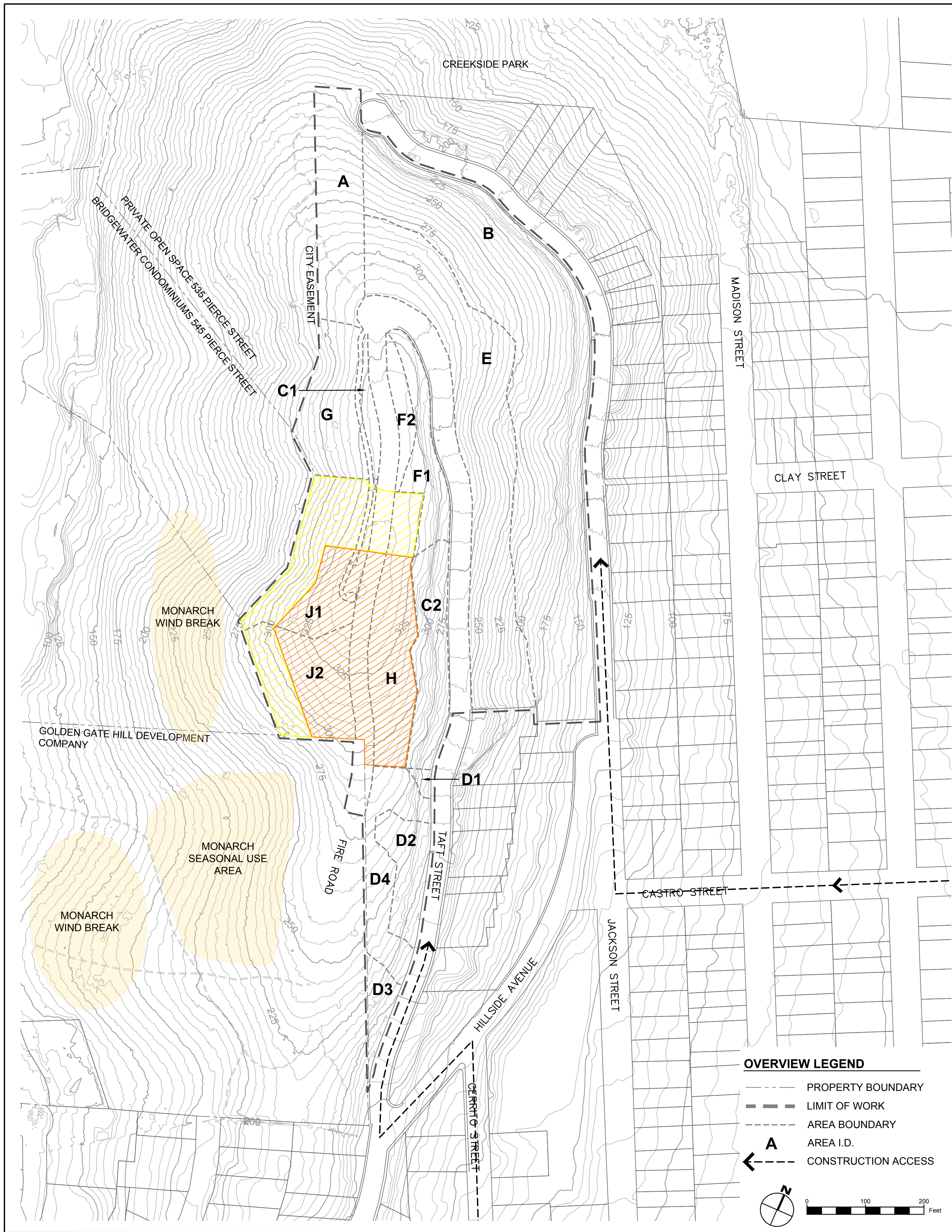
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PROJECT SUMMARY

PHASING SEQUENCE:
THIS PLAN SET REPRESENTS THE PROJECT SCOPE OF WORK OVER SEVEN PHASES, CONSISTING OF FOUR RESTORATION PHASES AND THREE REMOVAL PHASES.

PHASE 1 RESTORATION - PILOT PHASE

- PRE-REMOVAL WORK, AREAS A, B, C1-2, D1-4
- PLANT FIELD TRIAL TREES, AREAS D4, H, J2
- PRUNE AND LIMB TREES, AREAS H, J1-2

PHASE 2 REMOVALS - EXTERIOR

- AREAS A, B, C1-2, D1-4

PHASE 3 RESTORATION - EXTERIOR

- POST-REMOVAL PLANTING, AREAS A, B, C1-2, D1-3
- PRE-REMOVAL PREPARATION, AREAS E, F1-2, G

PHASE 4 REMOVALS - INTERIOR

- AREAS E, F1-2, G

PHASE 5 RESTORATION - INTERIOR

- POST-REMOVAL PLANTING, AREAS D4, E, F1-2, G
- PRE-REMOVAL ASSESSMENT, AREAS H, J1-2

PHASE 6 REMOVALS - MONARCH MANAGEMENT AREA

- REMOVALS AS RECOMMENDED BY CITY OF ALBANY, AREAS H, J1-2

PHASE 7 RESTORATION - MONARCH MANAGEMENT AREA

- POST-REMOVAL PLANTING, AREAS H, J1-2
- REPLACEMENT TREE PLANTING, AREAS H, J1-2

MONARCH MANAGEMENT AREA

J1, J2, AND H ARE MONARCH HABITAT AREAS

CRITICAL MONARCH ZONE (CMZ)

- CRITICAL MONARCH ZONE INCLUDES PORTIONS OF ALL THREE HABITAT TYPES.
- N.I.C. FOR REMOVALS CONTRACTOR. CMZ WILL ONLY RECEIVE TREATMENTS FROM THE RESTORATION CONTRACTOR AND CITY STAFF.

MONARCH BUFFER ZONE (MBZ)

- MONARCH BUFFER ZONE INCLUDES PORTIONS OF ALL THREE HABITAT TYPES.
- INCLUSION IN REMOVALS CONTRACTOR SCOPE TO BE DETERMINED BY PHASE 6 ASSESSMENTS.

MONARCH SEASONAL USE AREA AND WIND BREAKS

GENERAL NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION SITE SECURITY DURING THE CONSTRUCTION PERIOD.
2. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL OF THE WORK PERFORMED BY THEIR SUBCONTRACTORS, WITHOUT EXCEPTION.
3. THE CONTRACTOR SHALL IDENTIFY A RESPONSIBLE CONTACT PERSON, WHO IS AN EMPLOYEE OF THE CONTRACTOR, AND A 24-HOUR TELEPHONE NUMBER TO CALL TO RESOLVE PROBLEMS WITH NOISE, DUST OR OTHER CONSTRUCTION-RELATED ISSUES.
4. ALL TRASH MUST BE REMOVED FROM THE SITE DAILY TO PROTECT WILDLIFE. REMOVE ALL LITTER AND CONSTRUCTION RELATED DEBRIS BEFORE LEAVING THE SITE EACH DAY.
5. ANY DEVIATION FROM THESE APPROVED PLANS SHALL BE RE-APPROVED IN WRITING BY THE O.R. PRIOR TO CONSTRUCTION.
6. CONTRACTOR SHALL PROVIDE PLACEMENT AND REPLACEMENT OF CONSTRUCTION GRADE STAKES. THE STAKES ARE TO BE ADEQUATELY IDENTIFIED, LOCATED, STABILIZED, ETC.
7. ANY PROPERTY LINE STAKES OR ROAD MONUMENTS DISTURBED DURING CONSTRUCTION SHALL BE REPLACED BY CONTRACTOR'S ENGINEER AND LICENSED LAND SURVEYOR.
8. CONTRACTOR SHALL NOTIFY USA (UNDERGROUND SERVICE ALERT) AT 1-800-277-2600 A MINIMUM OF 24 HOURS BEFORE BEGINNING UNDERGROUND WORK FOR VERIFICATION OF THE LOCATION OF UNDERGROUND UTILITIES.
9. ACCURATE VERIFICATION AS TO SIZE, LOCATION, AND DEPTH OF EXISTING UNDERGROUND CONDUITS OR FACILITIES SHALL BE THE INDIVIDUAL CONTRACTORS RESPONSIBILITY. PLAN LOCATIONS ARE APPROXIMATE AND FOR GENERAL INFORMATION ONLY.

EROSION CONTROL NOTES

1. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO CONSTRUCTION AND SHALL NOT BE REMOVED UNTIL THE WORK IS VERIFIED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS AND FINAL APPROVAL IS RECEIVED.
2. RESTORATION CONTRACTOR SHALL COORDINATE WITH REMOVALS CONTRACTOR ON PRESERVING AND PROTECTING BMPS INSTALLED ON SITE AS PART OF THE REMOVALS WORK.
3. SEE SPECIFICATIONS FOR ADDITIONAL EROSION CONTROL NOTES.

REVEGETATION NOTES

1. PRESERVE AND PROTECT ALL EXISTING NATIVE VEGETATION AS FLAGGED BY OWNER WITHIN OR ADJACENT TO PATCHES.
2. CLEAR ALL EUCALYPTUS DUFF AND LITTER FROM WITHIN AND 5' BEYOND PATCH AREAS PRIOR TO COMMENCING WORK.
3. FINAL PATCH LAYOUT TO BE STAKED IN FIELD AND APPROVED BY O.R. PRIOR TO COMMENCING WORK.
4. CONTRACTOR TO LAY OUT PLANTS FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION VIA ONE MOCK-UP PER PATCH TYPE PRIOR TO COMMENCING INSTALLATION OR LAYOUT OF FURTHER PATCHES.
5. PLANTS SHALL BE PLANTED TO AVOID EQUAL SPACING, UNLESS OTHERWISE DIRECTED BY O.R.
6. WATER IN ALL PLANTS IMMEDIATELY AFTER PLANTING. SEE SPECS.
7. IRRIGATION STRATEGY TO BE COORDINATED AND APPROVED BY O.R. PRIOR TO COMMENCING PLANTING.
8. IRRIGATION (HAND WATERING OR DRIP) SHALL CONTINUE FOR THE FIRST THREE YEARS AFTER SUBSTANTIAL COMPLETION.
9. FINAL PLANT LIST PROVIDED BY THE CONTRACT GROW NURSERY FOR DELIVERY TO CONTRACTOR MAY DIFFER FROM PLANTING PLAN AND/OR CONTRACT QUANTITIES. CONTRACTOR SHALL CONFIRM FINAL PATCH COMPOSITION WITH LANDSCAPE ARCHITECT AND O.R. PRIOR TO PLANT DISTRIBUTION TO PATCHES OR COMMENCEMENT OF WORK.
10. ALL IMPORTED PLANTS SHALL BE RESTORATION GRADE NATIVE PLANTS WITH DOCUMENTED SITE OF SOURCE POPULATION WITHIN 25 MILES OF THE PROJECT SITE. NO CULTIVARS WILL BE ACCEPTED. COORDINATE THE COLLECTION OF CUTTINGS AND SEEDS ON CITY OF ALBANY PROPERTY WITH O.R.
11. SOAK ALL PLANTINGS IMMEDIATELY FOLLOWING INSTALLATION. CONTRACTOR TO IRRIGATE AS NECESSARY TO ENSURE PLANT HEALTH UNTIL FINAL ACCEPTANCE.

IRRIGATION NOTES

1. CONTRACTOR RESPONSIBILITIES:
 - 1.1. IRRIGATION DURING CONTRACT PERIOD: THE CONTRACTOR IS REQUIRED TO IRRIGATE ALL PROJECT CONTAINER PLANTINGS THROUGHOUT THE CONTRACT PERIOD.
 - 1.2. IRRIGATION SUBMITTAL: THE CONTRACTOR SHALL PROVIDE A DETAILED SUBMITTAL OF THE PROPOSED TEMPORARY IRRIGATION SYSTEM.
 - 1.3. SYSTEM DESIGN AND INSTALLATION: THE ENTIRE IRRIGATION SYSTEM, INCLUDING FITTINGS, BACKFLOW PREVENTERS, WATER STORAGE TANKS, AND METERS (IF REQUIRED), SHALL BE DESIGNED, INSTALLED, AND PAID FOR BY THE CONTRACTOR.
2. THE CONTRACTOR SHALL USE TEMPORARY IRRIGATION TANKS AND/OR DESIGN A TEMPORARY CONNECTION TO THE TANK AT TAFT.
3. ZONES:
 - 3.1. THE LAYOUT OF ZONES SHALL FACILITATE HAND WATERING OR DRIP/MICROSPRAY ZONES.
 - 3.2. THE STRATEGY AND LAYOUT SHALL BE DEVELOPED TO SUPPORT CONTRACTOR-LED IRRIGATION.
 - 3.3. ZONE LAYOUT SHALL BE DESIGNED BY THE BIDDER.
 - 3.4. ZONES SHALL BE CONTROLLED BY A BATTERY OPERATED CONTROLLER.
4. TEMPORARY WATER STORAGE:
 - 4.1. TANK LOCATIONS: REFER TO THE PLANS FOR PROPOSED TANK LOCATIONS. EACH TANK SHALL HAVE ZONES TO SUPPORT IRRIGATION THROUGHOUT THE PROJECT AREA.
 - 4.2. TANK SPECIFICATIONS:
 - 4.2.1. PROVIDE TWO (2) 1000-GALLON ROTO-MOLDED HDPE WATER STORAGE TANKS AS SHOWN ON THE PLANS.
 - 4.2.2. ENSURE THE TANK HEIGHT TO WIDTH RATIO DOES NOT EXCEED 2 TO 1.
 - 4.2.3. INSTALLATION REQUIREMENTS:
 - 4.2.3.1. TANKS SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.
 - 4.2.3.2. TANKS MUST BE SUPPORTED IN ACCORDANCE WITH THE CALIFORNIA BUILDING CODE.
 - 4.2.3.3. THE INSTALLATION SITE MUST BE STABLE AND LEVEL TO SUPPORT THE TANK'S WEIGHT WHEN FULL AND CONSTRUCTED TO ACCOMMODATE LOADS AS PER THE CALIFORNIA BUILDING CODE.
 - 4.3. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

REVIEWS	DESCRIPTION	DATE	NO.	APPR

ALBANY HILL HABITAT RESTORATION PLAN	
100% REVIEW SUBMITTAL (NOT FOR CONSTRUCTION)	PROJECT OVERVIEW

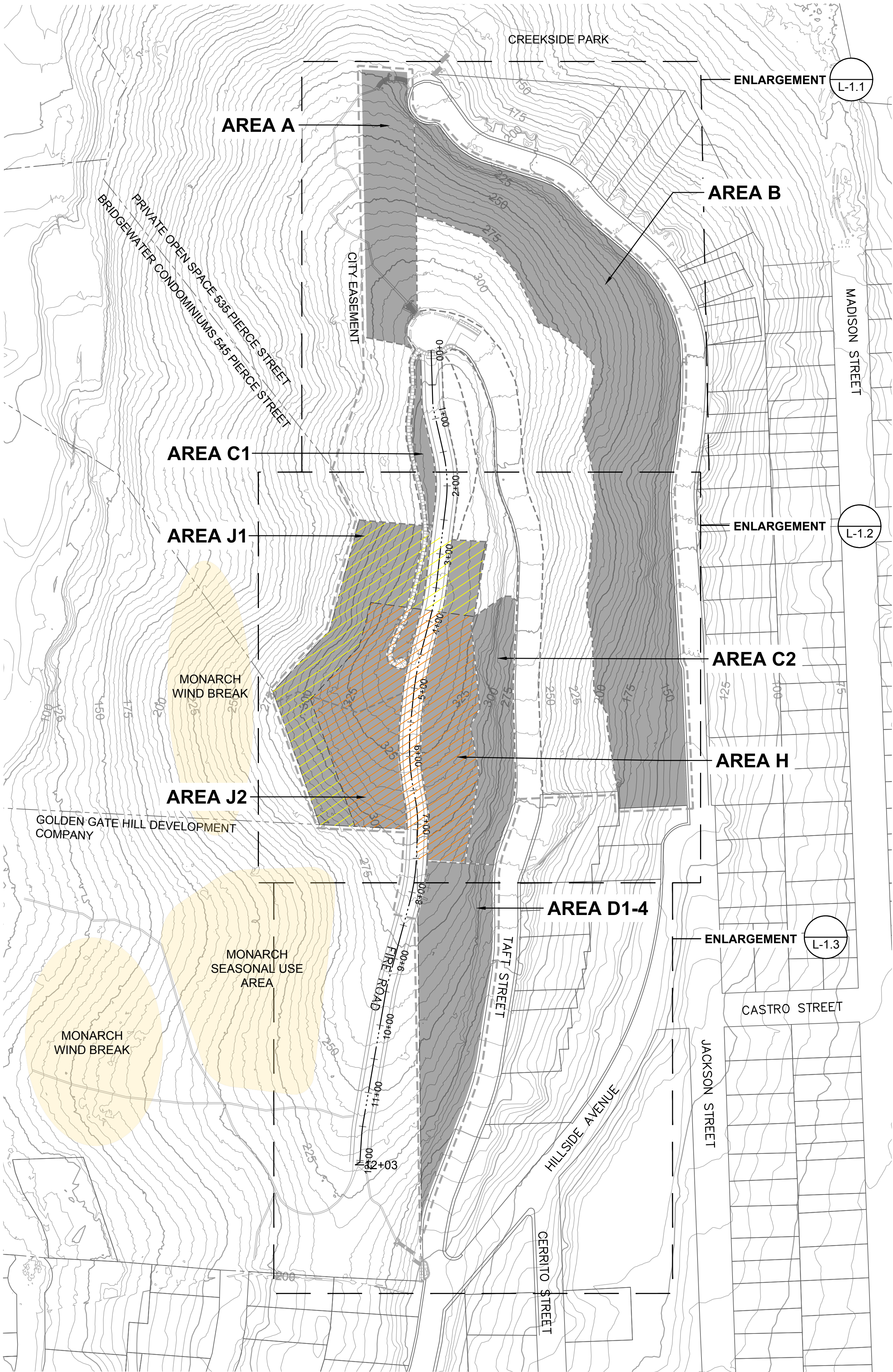


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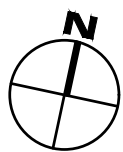


PHASE 1 RESTORATION NOTES

1. RESTORATION CONTRACTOR SHALL INITIATE CONTRACT GROW FOR FUTURE RESTORATION PHASE PLANTS. SEE SHEETS L-3.1, L-5.1, AND L-7.1.
2. RESTORATION CONTRACTOR SHALL COMPLY WITH ALL CONDITIONS OF THE PERMITS, AND ENVIRONMENTAL AND CULTURAL RESOURCE PROTECTION MEASURES - SEE SPECIFICATIONS AND SHEET T-3.
3. RESTORATION CONTRACTOR SHALL WALK SITE WITH CITY OF ALBANY STAFF PRIOR TO COMMENCING WORK TO CONFIRM ALL FLAGGING AND PRIORITY NATIVE PLANT STAND (PNPS) DESIGNATIONS ARE APPROVED.
4. RESTORATION CONTRACTOR SHALL WALK SITE WITH CITY OF ALBANY STAFF TO FLAG AREAS A, B, C1-2, AND D1-4 PLANTS FOR PROTECTION IN PLACE AND/OR SALVAGE PRIOR TO PHASE 2.
5. PLANTS FLAGGED FOR SALVAGE TO BE DUG UP AND STORED IN AREA C1 PRIOR TO PHASE 2.
6. RESTORATION CONTRACTOR TO CONFIRM STAGING AREAS WITH O.R. AND TEAM BIOLOGIST.
7. RESTORATION CONTRACTOR TO CONFIRM FIELD TRIAL TREE LOCATIONS WITH CITY OF ALBANY NATURAL AREAS STAFF AND MONARCH BIOLOGY CONSULTANT.

LEGEND

- PHASE WORK AREAS
- MONARCH BUFFER ZONE
- CRITICAL MONARCH ZONE
- MONARCH WIND BREAKS AND SEASONAL USE AREAS



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SCALE IN FEET

ALBANY HILL HABITAT RESTORATION PLAN

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PHASE 1 RESTORATION
OVERVIEW



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SCALE 1" = 30'
DATE JANUARY 27, 2025
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PHASE 1 RESTORATION ACTIONS

PRE-REMOVAL WORK AREA

- AREA A**
1. RESTORATION CONTRACTOR TO FLAG AND PP OAKS GREATER THAN 4" DBH AND DISTANT FROM (E) EUCS.

- AREA B, C1-2, AND D1-4**
1. RESTORATION CONTRACTOR TO DIG, SALVAGE, AND STORE FLAGGED NATIVE PLANTS FOR TRANSPLANT BACK TO ORIGINAL AREAS POST REMOVALS. SEE SPECIFICATIONS AND DETAILS. SALVAGE PLANTS TO BE STORED IN AREA C1 (IE. NATIVE PLANT GARDEN)
 2. RESTORATION CONTRACTOR TO COORDINATE SEED AND LIVE CUTTING COLLECTION WORK ON SITE WITH CONTRACT GROW NURSERY STAFF AND THE CITY OF ALBANY NATURAL AREAS COORDINATOR.

- AREAS J1-2 & H - MONARCH AREA PREPARATIONS**
1. LIMB AND PRUNE EUCALYPTUS TREES WITH BRANCHES OVERHANGING FIRE ROAD, TRAIL OR BENCHES.
 2. RESTORATION CONTRACTOR TO INSTALL (20) FIELD TRIAL TREES PER SCHEDULE BELOW. SEE SPECIFICATIONS.
 3. FIELD TRIAL TREE INSTALLATION LOCATIONS TO BE VERIFIED IN FIELD BY CITY OF ALBANY NATURAL AREAS COORDINATOR AND MONARCH BIOLOGY CONSULTANT PRIOR TO COMMENCING WORK.

PRIORITY NATIVE PLANT STAND (PNPS)

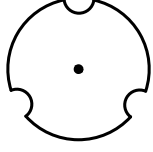
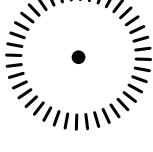
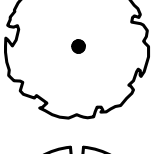
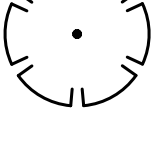
1. PNPS TO BE FLAGGED BY PROJECT BIOLOGIST
2. FENCE ENTIRE PNPS

JACKSON STREET LOG PREPARATION - 1200 LF

1. REMOVE EUCALYPTUS DUFF ALONG JACKSON STREET TO EXPOSE EXISTING SIDEWALK AND EXCAVATE TO RECEIVE LOGS.
2. VIF EXCAVATION LOCATIONS WITH CITY OF ALBANY STAFF PRIOR TO BEGINNING WORK.

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L-8.0

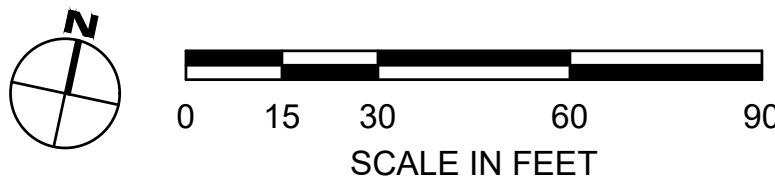
FIELD TRIAL TREE SCHEDULE

BOTANICAL NAME	COMMON NAME	SIZE	QTY	WUCOLS	NOTES
 EUCALYPTUS DIVERSICOLOR*	KARRI EUCALYPTUS	15 G	6	N/A	-
 PINUS CANARIENSIS	CANARY ISLAND PINE	15 G	6	L	-
 LYONOTHAMNUS FLORIBUNDUS SSP. ASPLENIIFOLIUS	SANTA CRUZ ISLAND IRONWOOD	15 G	6	L	CA NATIVE
 PINUS SABINIANA	CALIFORNIA FOOTHILL PINE	15 G	6	VL	CA NATIVE

*EUCALYPTUS DIVERSICOLOR RECOMMENDED BY CREEKSIDE SCIENCE.

LEGEND

- LIMIT OF WORK (L.O.W.)
- - - AREA BOUNDARY
- . - . FIRE ROAD C
- - - EXISTING TRAIL
- - - CRITICAL MONARCH ZONE BOUNDARY
- EXISTING TREE
- TEMPORARY IRRIGATION TANK
- ⚡ FIRE HYDRANT



REVISONS	DESCRIPTION	DATE	NO.	APPR

ALBANY HILL HABITAT RESTORATION PLAN

PHASE 1
ENLARGEMENT

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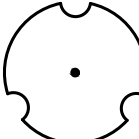
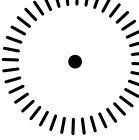
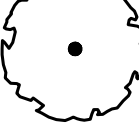
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PHASE 1 RESTORATION ACTIONS

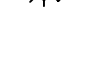
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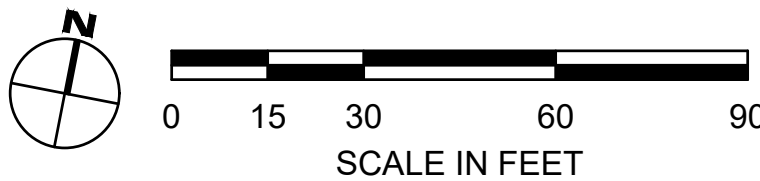
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- EXISTING TRAIL
- CRITICAL MONARCH ZONE BOUND#
-  EXISTING TREE
-  TEMPORARY IRRIGATION TANK
-  FIRE HYDRANT



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ENLARGEMENT

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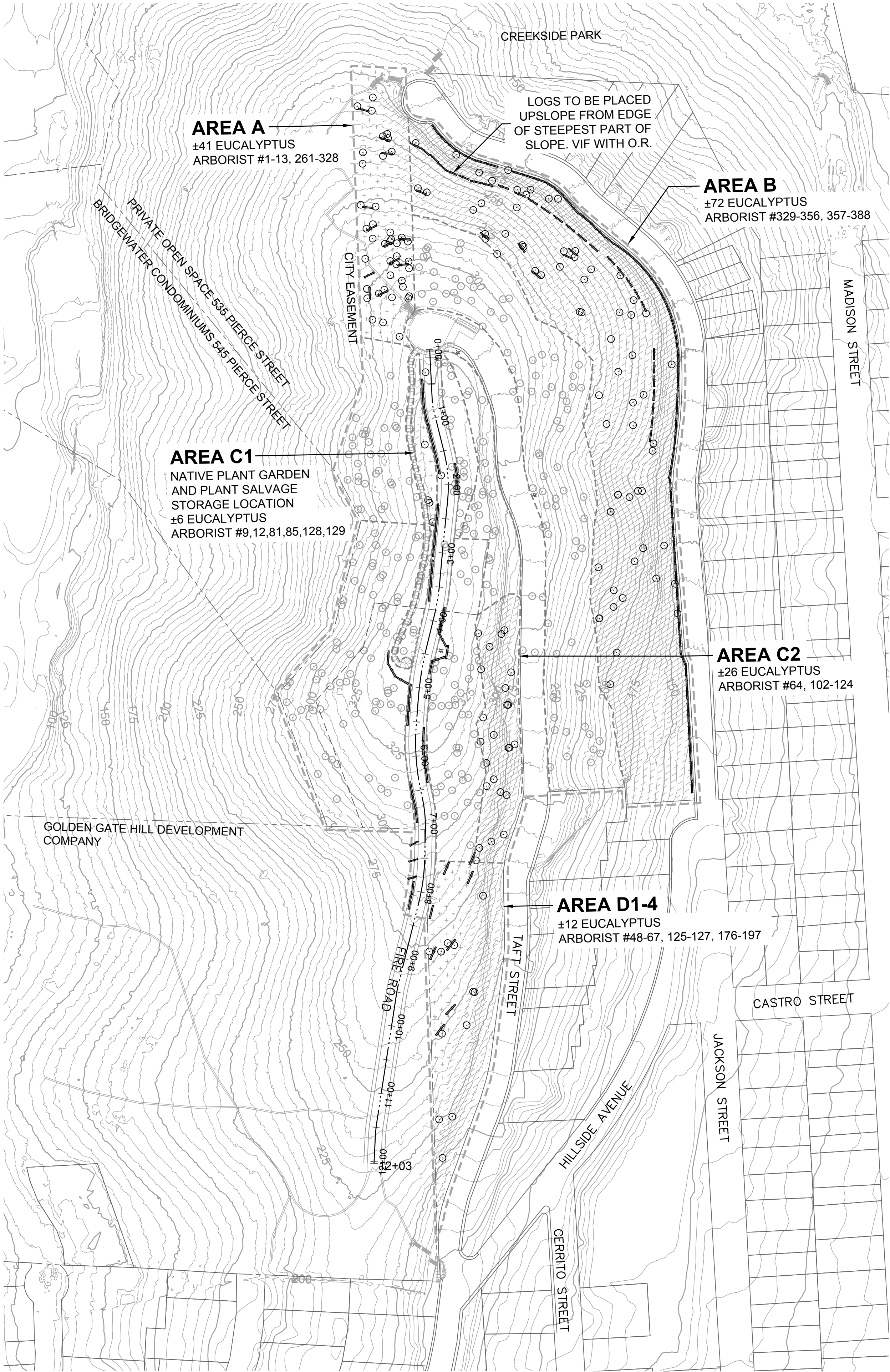
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PHASE 2 REMOVALS NOTES

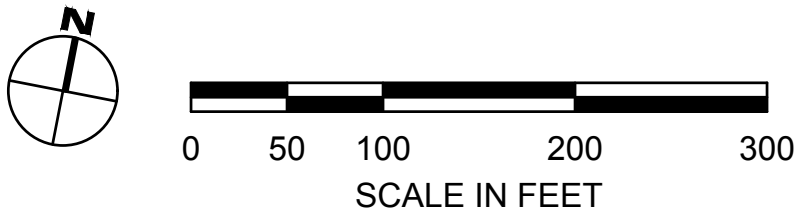
1. REMOVALS CONTRACTOR TO PROVIDE SWPPP PRIOR TO COMMENCING WORK, AND BUTTON UP SITE PRIOR TO DEMOBILIZING THIS PHASE.
2. REMOVALS CONTRACTOR TO CONFIRM ACCESS ROUTES, DRAG ROUTES, STORAGE AREAS, AND STAGING AREAS WITH CITY OF ALBANY STAFF.
3. TREES MAY BE CUT AT FIELD GRADE OR LEFT WITH UP TO 4-FT OF TRUNK AS NEEDED TO PROTECT ADJACENT VEGETATION.
4. ALL EUCALYPTUS STUMPS TO BE TREATED PER SPECIFICATIONS.
5. REMOVALS CONTRACTOR TO STOCKPILE MULCH FOR PHASE 3 RESTORATION AND CITY USE. V.I.F MULCH STOCKPILE LOCATIONS WITH CITY OF ALBANY STAFF.
6. REMOVALS CONTRACTOR TO PLACE AND SECURE SALVAGED LOGS PER THIS SHEET PRIOR TO START OF SUBSEQUENT RESTORATION PHASE 3. CONTRACTOR TO V.I.F LOG INSTALLATION LOCATIONS WITH CITY OF ALBANY STAFF PRIOR TO INITIATING WORK. **SEE SHEETS L-3.2-L-3.4** FOR MORE DETAILS ON PLACEMENTS.
7. REMOVALS CONTRACTOR TO STOCKPILE EUCALYPTUS BRANCHES FOR USE BY RESTORATION CONTRACTOR FOR FASCINE INSTALLATION. V.I.F BRANCH STOCKPILE LOCATIONS WITH CITY OF ALBANY STAFF. **SEE DETAIL 6 / L-8.0.**

LOG PLACEMENT LEGEND

- SALVAGED AND PLACED EUCALYPTUS LOG, SEE ENLARGEMENTS. 5 L-8.0
- SLOPES 2:1 OR LESS
 - 1. SALVAGED EUCALYPTUS LOGS 8"-36" DBH
- SLOPES BETWEEN 2:1 AND 1.5:1
 - 1. SALVAGED EUCALYPTUS LOGS 8" DBH MAX.
- SLOPES 1.5:1 OR GREATER
 - 1. NO LOG PLACEMENT

LEGEND

- — — — — LIMIT OF WORK (L.O.W.)
- - - - - AREA BOUNDARY
- · - · - · FIRE ROAD
- · — · — · EXISTING TRAIL
- - - - - MONARCH ZONE BUFFER
- EXISTING TREE
- ⊙ TREE TO BE REMOVED THIS PHASE



REVISIONS

NO.	DATE	DESCRIPTION	APPR

ALBANY HILL HABITAT RESTORATION PLAN

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PHASE 2 REMOVALS
OVERVIEW



Restoration Design Group, Inc.
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DESIGN BY AS

DRAWN BY HH, HK, HC

CHECKED BY ES

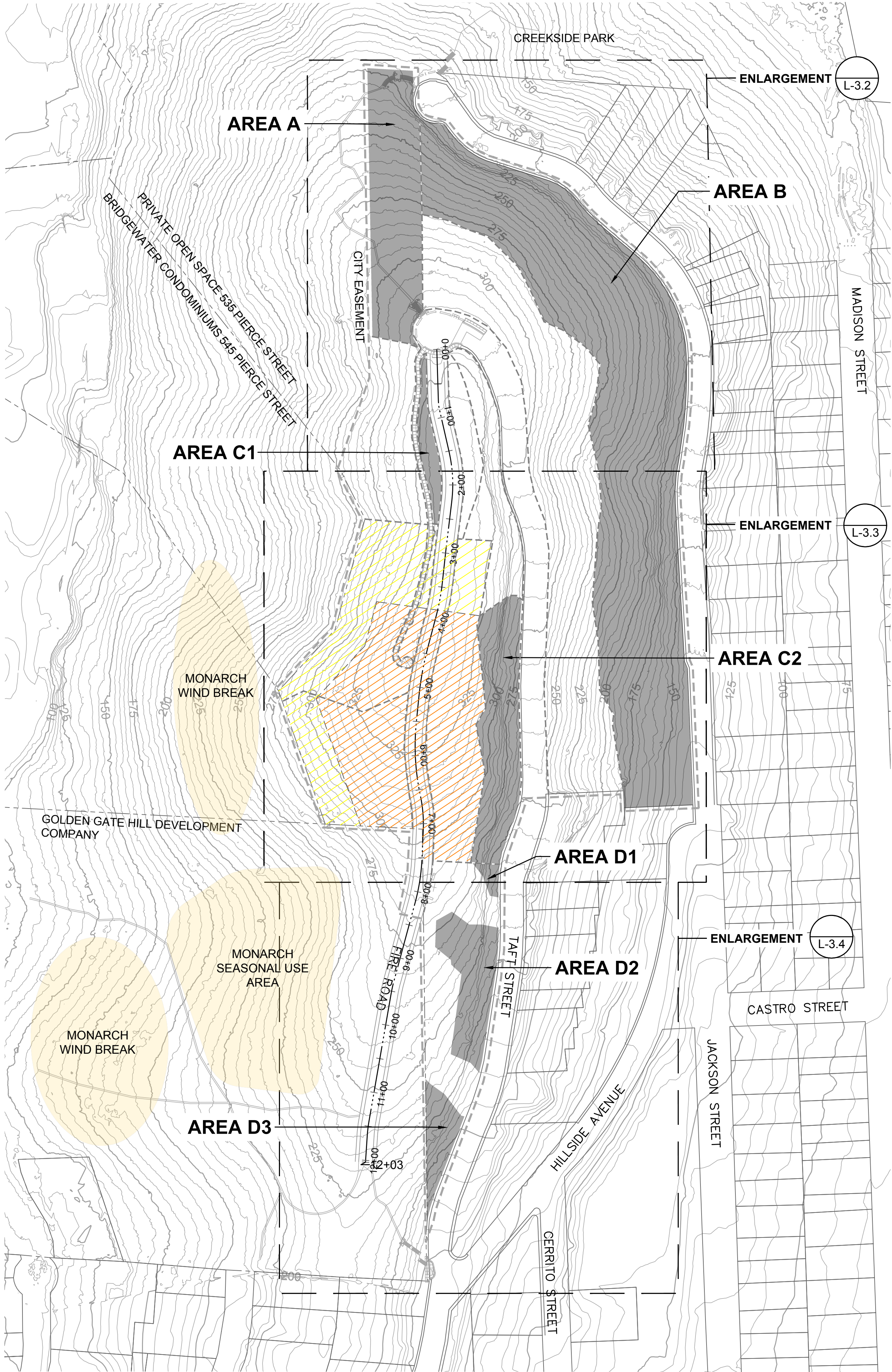
SCALE 1" = 30'

DATE JANUARY 27, 2025

SHEET

L-2.0

OF 24

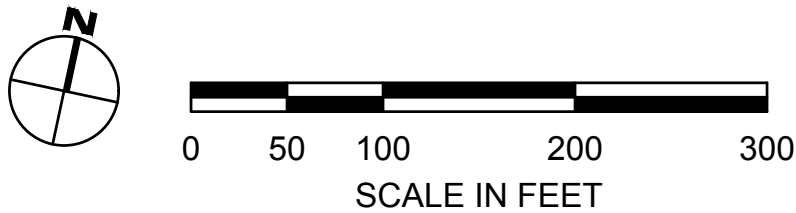


PHASE 3 RESTORATION NOTES

1. RESTORATION CONTRACTOR SHALL COMPLY WITH ALL CONDITIONS OF THE PERMITS, AND ENVIRONMENTAL AND CULTURAL RESOURCE PROTECTION MEASURES - SEE SPECIFICATIONS.
2. RESTORATION CONTRACTOR SHALL WALK SITE WITH CITY OF ALBANY STAFF PRIOR TO COMMENCING WORK TO CONFIRM ALL FLAGGING AND PRIORITY NATIVE PLANT STAND (PNPS) DESIGNATIONS ARE APPROVED.
3. RESTORATION CONTRACTOR SHALL WALK SITE WITH CITY OF ALBANY STAFF TO FLAG AREAS A, B, C1-2, AND D1-3 PLANTS FOR REPLANTING.
4. RESTORATION CONTRACTOR SHALL WALK SITE WITH CITY OF ALBANY STAFF TO FLAG AREAS E, F1-2, AND G PLANTS FOR PROTECTION IN PLACE AND/OR SALVAGE PRIOR TO PHASE 4.
5. PLANTS FLAGGED FOR SALVAGE TO BE DUG UP AND STORED IN AREA C1 PRIOR TO PHASE 4.
6. RESTORATION CONTRACTOR TO CONFIRM STAGING AREAS WITH O.R. AND TEAM BIOLOGIST.

LEGEND

- PHASE WORK AREAS
- MONARCH BUFFER ZONE
- CRITICAL MONARCH ZONE
- MONARCH WIND BREAKS AND SEASONAL USE AREAS



REVISIONS				
NO.	DATE	DESCRIPTION	APPR	

ALBANY HILL HABITAT RESTORATION PLAN

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PHASE 3 RESTORATION
OVERVIEW



DESIGN BY	AS
DRAWN BY	HH, HK, HC
CHECKED BY	ES
SCALE	1" = 30'
DATE	JANUARY 27, 2025
SHEET	

L-3.0

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PHASE 3 PNPS SCHEDULE

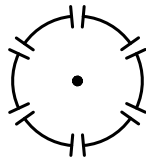
		PNPS-1	PNPS-2	PNPS-4	PNPS-5	PNPS-7	TOTAL
AREA (SF)		2180	2405	2180	755	7560	
SHRUBS							
Lonicera hispidula	D16	20	0	0	0	0	20
Rosa californica	D40	20	0	0	0	0	20
Symphoricarpos albus var. laevigatus	D40	15	0	0	0	0	15
Symphoricarpos mollis	D40	15	0	0	0	0	15
PERENNIAL HERB							
Achillea millefolium	D16	0	51	46	16	161	274
Carex barbareae tumulicola	Stub	0	0	0	0	0	0
Chlorogalum pomeridianum var. pomeridianum	D16	0	26	12	4	40	82
Corethrogyne filaginifolia	D16	0	0	0	0	0	0
Epilobium canum subsp. canum	D16	0	0	0	0	0	0
Eurybia radulina	D16	0	26	23	8	81	138
Sanicula crassicaulis	D16	0	26	23	8	81	138
Solidago velutina subsp. californica	D16	0	51	46	16	161	274
Stachys rigida var. quercetorum	D16	0	51	46	16	161	274
PERENNIAL GRASS							
Elymus glaucus subsp. glaucus	Stub	216	13	12	4	40	285
Stipa pulchra	Stub	0	0	23	8	81	112
FERNS							
Dryopteris arguta	D16	0	13	0	0	0	13
TOTAL PLANTS		286	257	231	80	806	1660

PHASE 3 PATCH SCHEDULE

		A1 Open Oak + Herbaceous	A2 Open Oak + Herbaceous	A3 Open Oak + Herbaceous	A4 Open Oak + Herbaceous	A5 Open Oak + Herbaceous	A6 Open Oak + Herbaceous	A7 Open Oak + Herbaceous	A8 Open Oak + Herbaceous	A9 Open Oak + Herbaceous	B1 Open Oak + Herbaceous	B2 Open Oak + Herbaceous	B3 Open Oak + Herbaceous	B4 Open Oak + Herbaceous	B5 Open Oak + Herbaceous	B6 Open Oak + Herbaceous	B7 Open Oak + Herbaceous	B8 Open Oak + Herbaceous	B9 Open Oak + Herbaceous	B10 Open Oak + Herbaceous	B11 Open Oak + Herbaceous	B12 Open Oak + Herbaceous	B13 Open Oak + Herbaceous	C2.1 Open Oak + Herbaceous	C2.2 Open Oak + Herbaceous	D2.1 Open Oak + Herbaceous	D3.1 Open Oak + Herbaceous	Total	
AREA (SF)		215	212	152	215	152	215	212	215	212	215	212	215	212	212	152	215	215	215	212	215	152	212	212	215	212	212	5305	
SHRUBS																													
Artemisia californica	D40	1	1	0	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	22
Diplacus aurantiacus	D40	1	1	0	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	22
Frangula californica subsp. californica	D40	1	1	0	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	22
Lonicera hispidula	D40	1	1	0	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	22
Ribes californicum var. californicum	D40	1	1	0	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	22
Rosa gymnocarpus	D40	1	1	0	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	22
Sambucus mexicana	D40	1	1	0	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	22
PERENNIAL HERB																													
Achillea millefolium	D16	12	12	9	12	9	12	12	12	12	12	12	12	12	12	9	12	12	12	12	12	9	12	12	12	12	12	12	300
Angelica californica	D16	3	3	2	3	2	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	2	3	3	3	3	3	3	74
Carex barbareae tumulicola	D16	3	3	2	3	2	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	2	3	3	3	3	3	3	74
Chlorogalum pomeridianum var. pomeridianum	D16	3	3	2	3	2	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	2	3	3	3	3	3	3	74
Heterotheca sessiliflora subsp. bolanderi	D16	12	12	9	12	9	12	12	12	12	12	12	12	12	12	9	12	12	12	12	12	9	12	12	12	12	12	12	300
Horkelia californica var. californica	D16	3	3	2	3	2	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	2	3	3	3	3	3	3	74
Lathyrus vestitus var. vestitus	D16	3	3	2	3	2	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	2	3	3	3	3	3	3	74
Monardella villosa subsp. villosa	D16	3	3	2	3	2	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	2	3	3	3	3	3	3	74
Sanicula bipinnatifida	D16	3	3	2	3	2	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	2	3	3	3	3	3	3	74
Sanicula crassicaulis	D16	3	3	2	3	2	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	2	3	3	3	3	3	3	74
Sisyrinchium bellum	D16	3	3	2	3	2	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	2	3	3	3	3	3	3	74
Solidago velutina subsp. californica	D16	12	12	9	12	9	12	12	12	12	12	12	12	12	12	9	12	12	12	12	12	9	12	12	12	12	12	12	300
Stachys rigida var. quercetorum	D16	3	3	2	3	2	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	2	3	3	3	3	3	3	74
Symphotrichum chilense	D16	3	3	2	3	2	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	2	3	3	3	3	3	3	74
Wyethia angustifolia	D16	3	3	2	3	2	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	2	3	3	3	3	3	3	74
PERENNIAL GRASS																													
Bromus sitchensis var. carinatus	SC	12	12	9	12	9	12	12	12	12	12	12	12	12	12	9	12	12	12	12	12	9	12	12	12	12	12	12	300
Elymus glaucus subsp. glaucus	SC	12	12	9	12	9	12	12	12	12	12	12	12	12	12	9	12	12	12	12	12	9	12	12	12	12	12	12	300
Festuca californica	SC	3	3	2	3	2	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	2	3	3	3	3	3	3	74
Stipa lepida	SC	3	3	2	3	2	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	2	3	3	3	3	3	3	74
Stipa pulchra	SC	3	3	2	3	2	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	2	3	3	3	3	3	3	74
ANNUAL HERB																													
Claytonia perfoliata	SC	3	3	2	3	2	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	2	3	3	3	3	3	3	74
FERNS																													
Dryopteris arguta	SC	3	3	2	3	2	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	2	3	3	3	3	3	3	74
TOTAL PLANTS		118	118	79	118	79	118	118	118	118	118	118	118	118	118	79	118	118	118	118	118	79	118	118	118	118	118	118	2912

PHASE 3 TREE SCHEDULE

BOTANICAL NAME	COMMON NAME	SIZE	QTY
QUERCUS AGRIFOLIA	COAST LIVE OAK	15 G	24



REVISIONS

NO.	DATE	DESCRIPTION	APPR

ALBANY HILL HABITAT RESTORATION PLAN

100% REVIEW SUBMITTAL
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PHASE 3 PLANTING
SCHEDULES



Restoration Design Group, Inc.
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T 510.644.2798 F 510.644.2799
www.restorationdesigngroup.com

DESIGN BYAS

DRAWN BYHH, HK, HC

CHECKED BYES

SCALE

DATEJANUARY 27, 2025

SHEET

L-3.1

OF 24

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PHASE 3 RESTORATION ACTIONS

PATCH PLANTING, SEE SHEET L-3.1 FOR SCHEDULE

OPEN OAK + HERBACEOUS PATCH

OAK TREE PLANTING, VIF LOCATIONS. SEE SHEET L-3.1 FOR SCHEDULE

RESTORATION CONTRACTOR TO REINSTALL SALVAGED PLANTS FROM AREAS A, B, C2, AND D1-3. VIF LOCATIONS WITH CITY OF ALBANY NATURAL AREAS STAFF.

FASCINE, VIF LOCATION AND QUANTITY

PASSIVE RESTORATION AREA

1. APPLY 6" MULCH.
2. INSTALL BIODEGRADABLE FIBER ROLLS AND/OR JUTE FABRIC AS NEEDED PER SWPPP

PRIORITY NATIVE PLANT STAND (PNPS)

1. PNPS TO BE FLAGGED BY PROJECT BIOLOGIST
2. FENCE ENTIRE PNPS
4. APPLY 3" MULCH BETWEEN NATIVE PLANT CLUSTERS WITHIN PNPS. DO NOT MULCH WITHIN NATIVE PLANT CLUSTERS.
5. AUGMENTED PLANTING, SEE SHEET L-3.1 FOR SCHEDULE

SLOPES 1.5:1 OR STEEPER, NO MULCH

PREVIOUS PHASE (EXISTING)

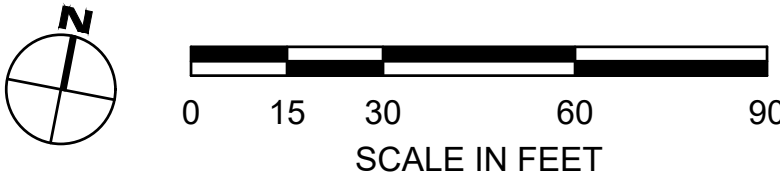
PLACED EUCALYPTUS LOG

PHASE 1 FIELD TRIAL TREE PLANTING

- | | | |
|--|---|----------------------------|
| | <i>E. DIVERSICOLOR</i> | KARRI EUCALYPTUS |
| | <i>P. CANARIENSIS</i> | CANARY ISLAND PINE |
| | <i>L. FLORIBUNDUS SSP. ASPLENIIFOLIUS</i> | SANTA CRUZ ISLAND IRONWOOD |
| | <i>P. SABINIANA</i> | CALIFORNIA FOOTHILL PINE |

LEGEND

- LIMIT OF WORK (L.O.W.)
- - - AREA BOUNDARY
- FIRE ROAD
- EXISTING TRAIL
- - - CRITICAL MONARCH ZONE BOUND
- EXISTING TREE
- ⊗ REMOVED TREES (STUMPS)
- TEMPORARY IRRIGATION TANK
- ⊕ FIRE HYDRANT



ALBANY HILL HABITAT RESTORATION PLAN

PHASE 3
ENLARGEMENT

100% REVIEW SUBMITTAL
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DESIGN BY AS
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CHECKED BY ES
SCALE 1" = 30'
DATE JANUARY 27, 2025
SHEET

L-3.2
OF 24

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PHASE 3 RESTORATION ACTIONS

- PATCH PLANTING, SEE SHEET L-3.1 FOR SCHEDULE
- 1 L-8.0 8 L-8.0
- OPEN OAK + HERBACEOUS PATCH
- OAK TREE PLANTING, VIF LOCATIONS, SEE SHEET L-3.1 FOR SCHEDULE
- 3 L-8.0 4 L-8.0
- RESTORATION CONTRACTOR TO REINSTALL SALVAGED PLANTS FROM AREAS A, B, C2, AND D1-3. VIF LOCATIONS WITH CITY OF ALBANY NATURAL AREAS STAFF.
- 6 L-8.0
- FASCINE, VIF LOCATION AND QUANTITY
- PASSIVE RESTORATION AREA
1. APPLY 6" MULCH.
2. INSTALL BIODEGRADABLE FIBER ROLLS AND/OR JUTE FABRIC AS NEEDED PER SWPPP
- PRIORITY NATIVE PLANT STAND (PNPS)
1. PNPS TO BE FLAGGED BY PROJECT BIOLOGIST
2. FENCE ENTIRE PNPS
4. APPLY 3" MULCH BETWEEN NATIVE PLANT CLUSTERS WITHIN PNPS. DO NOT MULCH WITHIN NATIVE PLANT CLUSTERS.
5. AUGMENTED PLANTING, SEE SHEET L-3.1 FOR SCHEDULE
- SLOPES 1.5:1 OR STEEPER, NO MULCH

PREVIOUS PHASE (EXISTING)

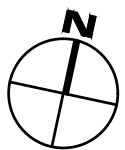
- PLACED EUCALYPTUS LOG

PHASE 1 FIELD TRIAL TREE PLANTING

- E. DIVERSICOLOR KARRI EUCALYPTUS
- P. CANARIENSIS CANARY ISLAND PINE
- L. FLORIBUNDUS SSP. ASPENIFOLIUS SANTA CRUZ ISLAND IRONWOOD
- P. SABINIANA CALIFORNIA FOOTHILL PINE

LEGEND

- LIMIT OF WORK (L.O.W.)
- AREA BOUNDARY
- FIRE ROAD
- EXISTING TRAIL
- CRITICAL MONARCH ZONE BOUNDARY
- EXISTING TREE
- ⊗ REMOVED TREES (STUMPS)
- TEMPORARY IRRIGATION TANK
- ⊗ FIRE HYDRANT



ALBANY HILL HABITAT RESTORATION PLAN

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(NOT FOR CONSTRUCTION)

PHASE 3
ENLARGEMENT



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www.restorationdesigngroup.com

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DATE JANUARY 27, 2025
SHEET

L-3.3

OF 24



PHASE 3 RESTORATION ACTIONS

- PATCH PLANTING, SEE SHEET L-3.1 FOR SCHEDULE
- 1 L-8.0 8 L-8.0
- OPEN OAK + HERBACEOUS PATCH
- OAK TREE PLANTING, VIF LOCATIONS, SEE SHEET L-3.1 FOR SCHEDULE
- 3 L-8.0 4 L-8.0
- RESTORATION CONTRACTOR TO REINSTALL SALVAGED PLANTS FROM AREAS A, B, C2, AND D1-3. VIF LOCATIONS WITH CITY OF ALBANY NATURAL AREAS STAFF.
- 6 L-8.0
- FASCINE, VIF LOCATION AND QUANTITY
- PASSIVE RESTORATION AREA
1. APPLY 6" MULCH.
2. INSTALL BIODEGRADABLE FIBER ROLLS AND/OR JUTE FABRIC AS NEEDED PER SWPPP
- PRIORITY NATIVE PLANT STAND (PNPS)
1. PNPS TO BE FLAGGED BY PROJECT BIOLOGIST
2. FENCE ENTIRE PNPS
4. APPLY 3" MULCH BETWEEN NATIVE PLANT CLUSTERS WITHIN PNPS. DO NOT MULCH WITHIN NATIVE PLANT CLUSTERS.
5. AUGMENTED PLANTING, SEE SHEET L-3.1 FOR SCHEDULE
- SLOPES 1.5:1 OR STEEPER, NO MULCH

PREVIOUS PHASE (EXISTING)

- PLACED EUCALYPTUS LOG

PHASE 1 FIELD TRIAL TREE PLANTING

- E. DIVERSICOLOR* KARRI EUCALYPTUS
- P. CANARIENSIS* CANARY ISLAND PINE
- L. FLORIBUNDUS* SSP. *ASPLENIIFOLIUS* SANTA CRUZ ISLAND IRONWOOD
- P. SABINIANA* CALIFORNIA FOOTHILL PINE

LEGEND

- LIMIT OF WORK (L.O.W.)
- AREA BOUNDARY
- FIRE ROAD C
- EXISTING TRAIL
- CRITICAL MONARCH ZONE BOUNDARY
- EXISTING TREE
- REMOVED TREES (STUMPS)
- TEMPORARY IRRIGATION TANK
- FIRE HYDRANT



ALBANY HILL HABITAT RESTORATION PLAN

100% REVIEW SUBMITTAL
(NOT FOR CONSTRUCTION)

PHASE 3
ENLARGEMENT



DESIGN BY AS

DRAWN BY HH, HK, HC

CHECKED BY ES

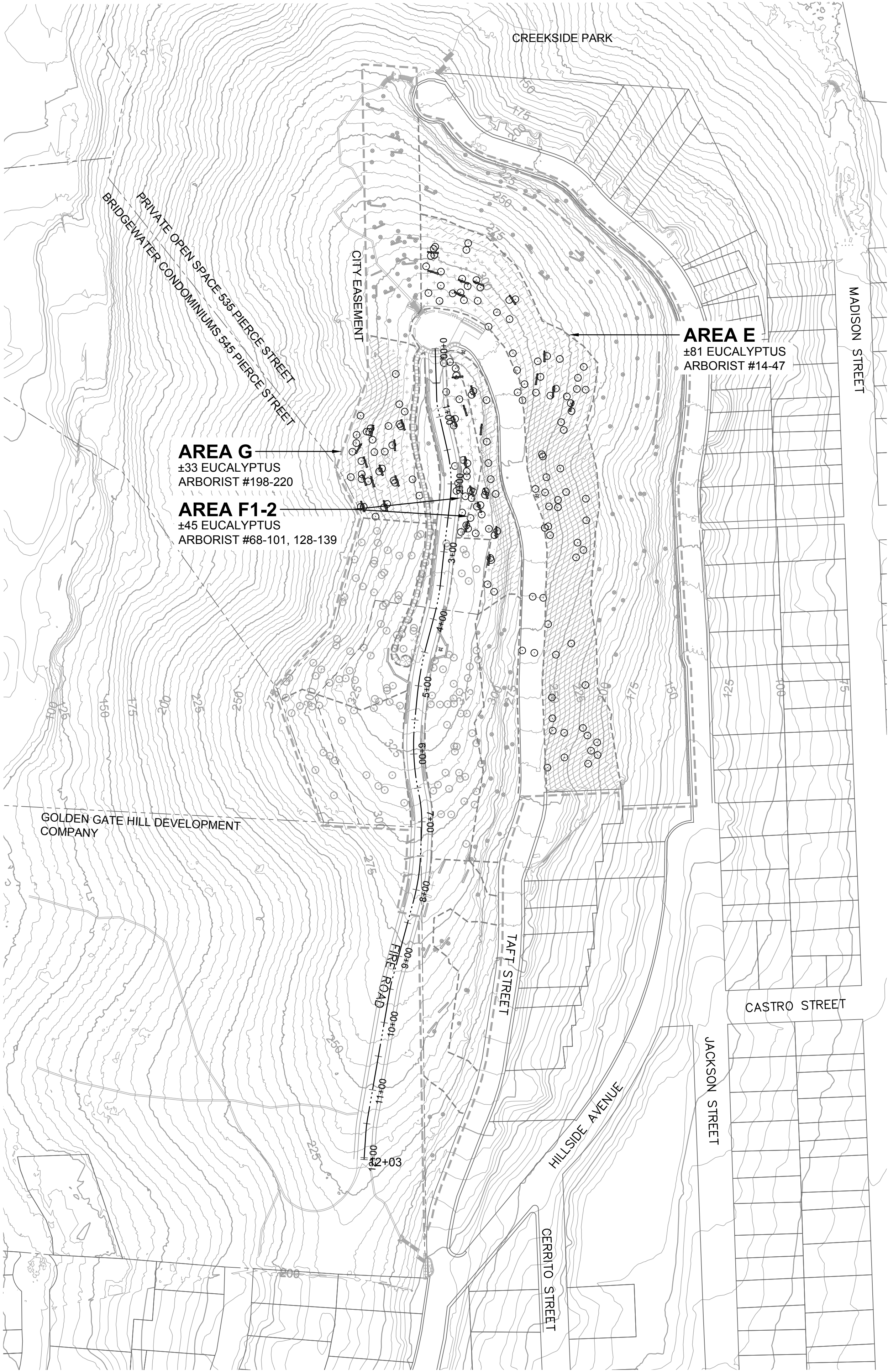
SCALE 1" = 30'

DATE JANUARY 27, 2025

SHEET

L-3.4

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PHASE 4 REMOVALS NOTES

1.

REMOVALS CONTRACTOR SHALL COMPLY WITH ALL CONDITIONS OF THE PERMITS, AND ENVIRONMENTAL AND CULTURAL RESOURCE PROTECTION MEASURES - SEE SPECIFICATIONS.
1.

REMOVALS CONTRACTOR TO CONFIRM ACCESS ROUTES, DRAG ROUTES, STORAGE AREAS, AND STAGING AREAS WITH CITY OF ALBANY STAFF.
2.

TREES MAY BE CUT AT FIELD GRADE OR LEFT WITH UP TO 4-FT OF TRUNK AS NEEDED TO PROTECT ADJACENT VEGETATION.
3.

ALL EUCALYPTUS STUMPS TO BE TREATED PER SPECIFICATIONS.
4.

REMOVALS CONTRACTOR TO STOCKPILE MULCH FOR PHASE 5 RESTORATION AND CITY USE. VIF MULCH STOCKPILE LOCATIONS WITH CITY OF ALBANY STAFF.
5.

REMOVALS CONTRACTOR TO PLACE AND SECURE SALVAGED LOGS PER THIS SHEET PRIOR TO START OF SUBSEQUENT RESTORATION PHASE 5. CONTRACTOR TO VIF LOG INSTALLATION LOCATIONS WITH CITY OF ALBANY STAFF PRIOR TO INITIATING WORK. SEE SHEETS L-5.2-L-5.4 FOR MORE DETAILS ON PLACEMENTS.
6.

REMOVALS CONTRACTOR TO STOCKPILE EUCALYPTUS BRANCHES FOR USE BY RESTORATION CONTRACTOR FOR FASCINE INSTALLATION. VIF BRANCH STOCKPILE LOCATIONS WITH CITY OF ALBANY STAFF. SEE DETAIL 6 / L-8.0.

LOG PLACEMENT LEGEND

SALVAGED AND PLACED EUCALYPTUS LOG, SEE ENLARGEMENTS.

SLOPES 2:1 OR LESS
1. SALVAGED EUCALYPTUS LOGS 8"-36" DBH

SLOPES BETWEEN 2:1 AND 1.5:1
1. SALVAGED EUCALYPTUS LOGS 8" DBH MAX.

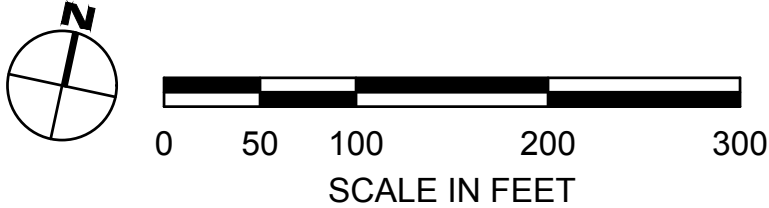
SLOPES 1.5:1 OR GREATER
1. NO LOG PLACEMENT

5

L-8.0

LEGEND

- LIMIT OF WORK (L.O.W.)
- AREA BOUNDARY
- FIRE ROAD C
- EXISTING TRAIL
- MONARCH ZONE BUFFER
- EXISTING TREE
- TREE TO BE REMOVED THIS PHASE
- TREE REMOVED IN PREVIOUS PHASE



REVISIONS

DESCRIPTION

DATE

NO.

APPR

ALBANY HILL HABITAT RESTORATION PLAN

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PHASE 4 REMOVALS
OVERVIEW

RDG

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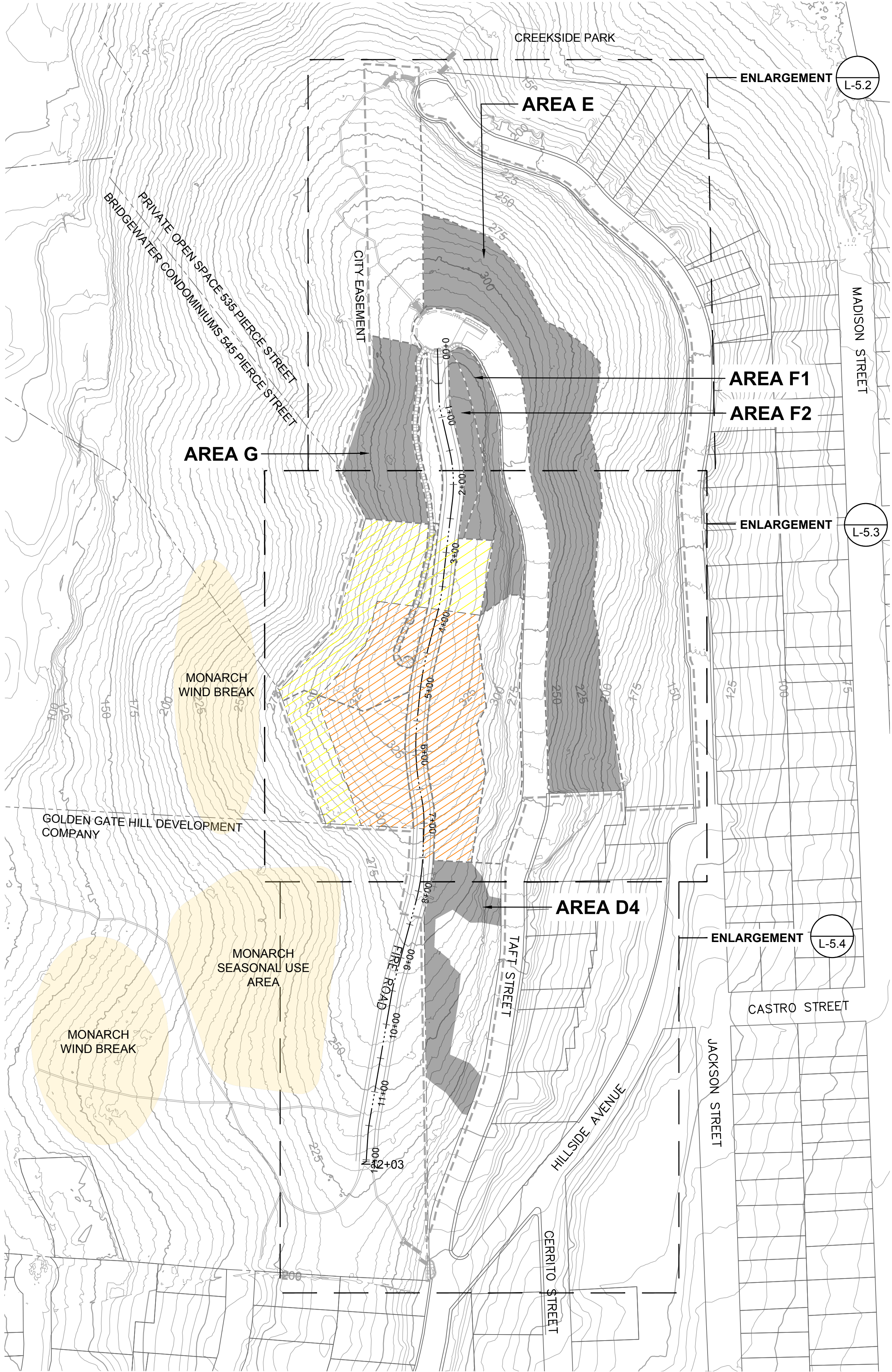
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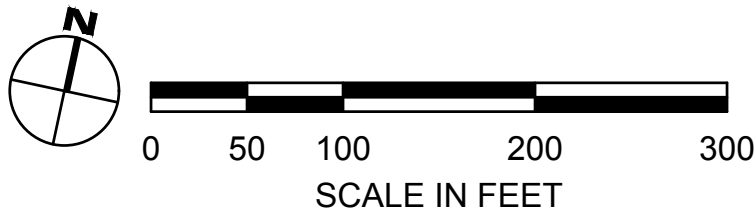


PHASE 5 RESTORATION NOTES

1. RESTORATION CONTRACTOR SHALL COMPLY WITH ALL CONDITIONS OF THE PERMITS, AND ENVIRONMENTAL AND CULTURAL RESOURCE PROTECTION MEASURES - SEE SPECIFICATIONS.
2. RESTORATION CONTRACTOR SHALL WALK SITE WITH CITY OF ALBANY STAFF PRIOR TO COMMENCING WORK TO CONFIRM ALL FLAGGING AND PRIORITY NATIVE PLANT STAND (PNPS) DESIGNATIONS ARE APPROVED. REVIEW ALL SITE PNPS AREAS FOR ADDITIONAL PLANTING.
3. RESTORATION CONTRACTOR SHALL WALK SITE WITH CITY OF ALBANY STAFF TO FLAG AREAS D4, E, F1-2, AND G PLANTS FOR REPLANTING.
4. RESTORATION CONTRACTOR SHALL WALK SITE WITH CITY OF ALBANY STAFF TO FLAG MONARCH BUFFER ZONE PLANTS FOR PROTECTION IN PLACE AND/OR SALVAGE PRIOR TO PHASE 6.
5. PLANTS FLAGGED FOR SALVAGE TO BE DUG UP AND STORED IN AREA C1 PRIOR TO PHASE 7.
6. RESTORATION CONTRACTOR TO CONFIRM STAGING AREAS WITH O.R. AND TEAM BIOLOGIST.

LEGEND

- PHASE WORK AREAS
- MONARCH BUFFER ZONE
- CRITICAL MONARCH ZONE
- MONARCH WIND BREAKS AND SEASONAL USE AREAS



REVISIONS		DESCRIPTION	DATE	NO.	APPR

ALBANY HILL HABITAT RESTORATION PLAN	
100% REVIEW SUBMITTAL (NOT FOR CONSTRUCTION)	PHASE 5 RESTORATION OVERVIEW



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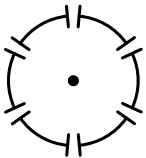
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PHASE 5 PNPS SCHEDULE

		PNPS-3	PNPS-11	TOTAL
AREA (SF)		2405	16920	
PERENNIAL HERB				
Achillea millefolium	D16	66	8	74
Epilobium canum subsp. canum	D16	33	0	33
Eurybia radulina	D16	33	0	33
Grindelia hirsutula	D16	0	8	8
Heterotheca sessiliflora subsp. bolanderi	D16	0	8	8
Sisyrinchium bellum	D16	0	4	4
Solidago velutina subsp. californica	D16	66	8	74
Stachys rigida var. quercetorum	D16	33	0	33
Wyethia angustifolia	D16	33	8	41
PERENNIAL GRASS				
Bromus sitchensis var. carinatus	Stub	0	8	8
Danthonia californica	Stub	0	8	8
Elymus glaucus subsp. glaucus	Stub	33	0	33
Elymus multisetus	Stub	0	8	8
Melica californica	Stub	0	4	4
Stipa pulchra	Stub	33	8	41
TOTAL PLANTS		330	80	410

PHASE 5 TREE SCHEDULE

BOTANICAL NAME	COMMON NAME	SIZE	QTY
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QUERCUS AGRIFOLIA	COAST LIVE OAK	15 G	25
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PHASE 5 PATCH SUMMARY TABLE - TO BE VERIFIED PRIOR TO COMMENCING PHASE WORK

		D4 Native Grassland	E Open Oak + Herbaceous	F1 Open Oak + Herbaceous	F2 Native Grassland	G Oak Woodland + Shrub	TOTAL
TOTAL PATCH AREA (SF)		360	4860	320	160	1320	
TREES							
Quercus agrifolia	D40	0	11	1	0	6	18
SHRUBS							
Artemisia californica	D40	0	8	1	0	2	11
Baccharis pilularis subsp. consanguinea	D40	0	0	0	0	10	10
Diplacus aurantiacus	D40	0	8	1	0	2	11
Eriogonum nudum var. auriculatum	D40	1	0	0	1	0	2
Frangula californica subsp. californica	D40	0	8	1	0	2	11
Heteromeles arbutifolia	D40	0	0	0	0	2	2
Lonicera hispidula	D40	0	8	1	0	2	11
Ribes californicum var. californicum	D40	0	8	1	0	10	19
Ribes malvaceum var. malvaceum	D40	0	0	0	0	2	2
Ribes sanguineum var. glutinosum	D40	0	0	0	0	2	2
Rosa californica	D40	0	0	0	0	10	10
Rosa gymnocarpus	D40	0	8	1	0	2	11
Rubus ursinus	D40	0	0	0	0	2	2
Sambucus mexicana	D40	0	8	1	0	10	19
Symphoricarpos albus var. laevigatus	D40	0	0	0	0	10	10
Symphoricarpos mollis	D40	0	0	0	0	2	2
Toxicodendron diversilobum	D40	0	0	0	0	2	2
PERENNIAL HERB							
Achillea millefolium	D16	18	311	20	8	0	357
Angelica californica	D16	0	62	4	0	17	83
Carex barbarae tumulicola	D16	0	62	4	0	0	66
Chlorogalum pomeridianum var. pomeridianum	D16	2	62	4	1	0	69
Corethrogyne filaginifolia	D16	2	0	0	1	0	3
Epilobium canum subsp. canum	D16	18	0	0	8	0	26
Eurybia radulina	D16	2	0	0	1	0	3
Grindelia hirsutula	D16	18	0	0	8	0	26
Heterotheca sessiliflora subsp. bolanderi	D16	18	311	20	8	0	357
Horkelia californica var. californica	D16	2	62	4	1	0	69
Lathyrus vestitus var. vestitus	D16	0	62	4	0	17	83
Monardella villosa subsp. villosa	D16	2	62	4	1	0	69
Sanicula bipinnatifida	D16	2	62	4	1	0	69
Sanicula crassicaulis	D16	2	62	4	1	0	69
Scrophularia californica	D16	0	0	0	0	76	76
Sidalcea malviflora ssp. malviflora	D16	2	0	0	1	0	3
Sisyrinchium bellum	D16	2	62	4	1	0	69
Solidago velutina subsp. californica	D16	18	311	20	8	0	357
Stachys rigida var. quercetorum	D16	0	62	4	0	17	83
Symphyotrichum chilense	D16	2	62	4	1	0	69
Wyethia angustifolia	D16	2	62	4	1	0	69
PERENNIAL GRASS							
Bromus sitchensis var. carinatus	SC	18	248	16	8	17	307
Danthonia californica	SC	2	0	0	1	0	3
Elymus glaucus subsp. glaucus	SC	18	248	16	8	0	290
Elymus multisetus	SC	2	0	0	1	0	3
Festuca californica	SC	0	62	4	0	0	66
Festuca rubra	SC	2	0	0	1	0	3
Koeleria macrantha	SC	2	0	0	1	0	3
Melica californica	SC	18	0	0	8	0	26
Stipa lepida	SC	18	62	4	8	0	92
Stipa pulchra	SC	18	62	4	8	0	92
ANNUAL HERB							
Claytonia perfoliata	SC	2	62	4	1	17	86
FERNS							
Dryopteris arguta	SC	0	62	4	0	17	83
TOTAL PLANTS		213	2550	168	97	256	3284

REVISIONS

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ALBANY HILL HABITAT RESTORATION PLAN

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PHASE 5 PLANTING
SCHEDULES



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SCALE

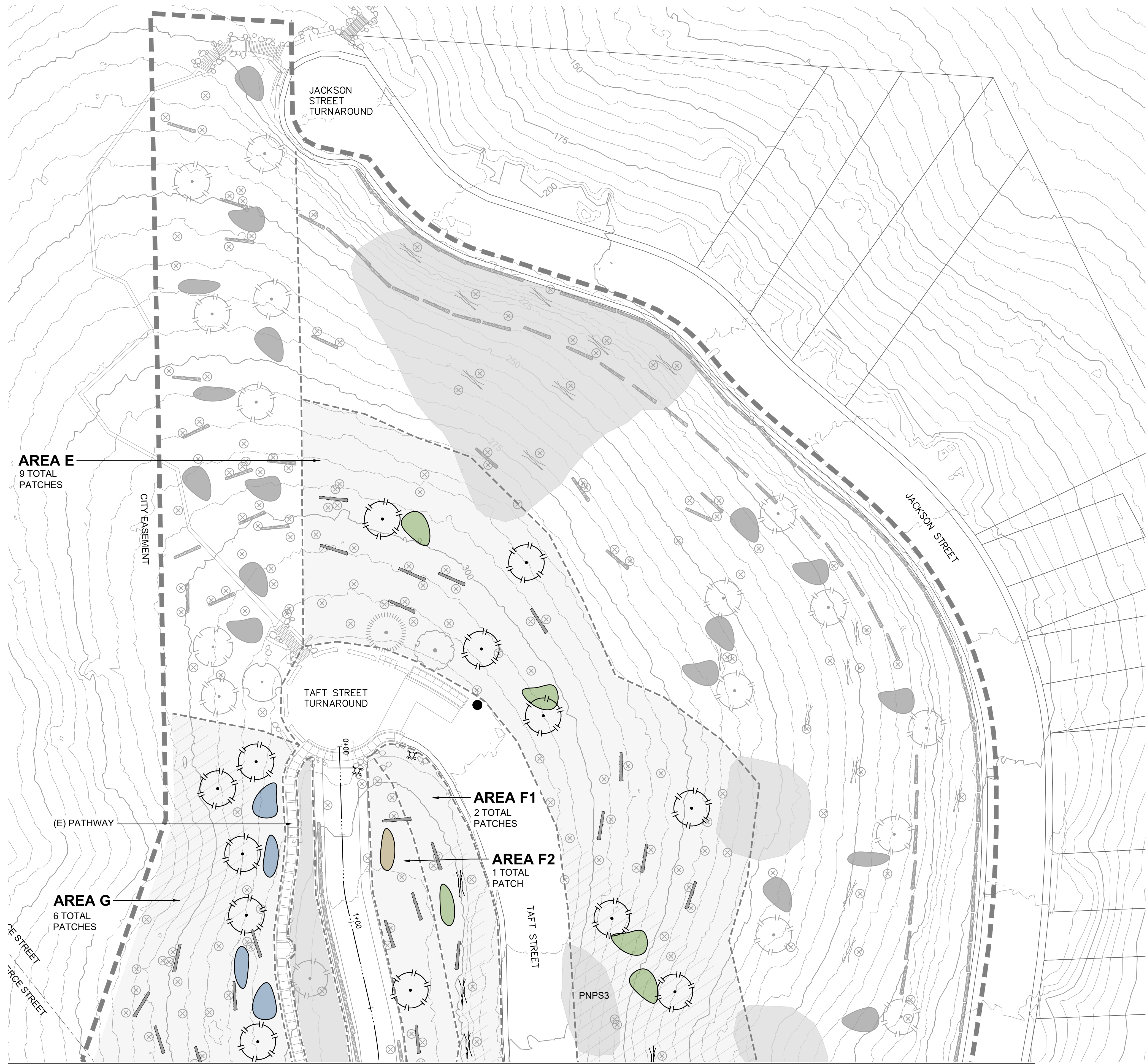
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PHASE 5 RESTORATION ACTIONS

PATCH PLANTING, SEE SHEET L-5.1 FOR SCHEDULE

- OPEN OAK + HERBACEOUS PATCH
- NATIVE GRASSLAND PATCH
- OAK WOODLAND + SHRUB PATCH

OAK TREE PLANTING, VIF LOCATIONS, SEE SHEET L-5.1 FOR SCHEDULE

CONTRACTOR TO REINSTALL SALVAGED PLANTS FROM AREAS D4, E, F1, F2, AND G. VIF LOCATIONS WITH CITY OF ALBANY NATURAL AREAS STAFF

FASCINE, VIF LOCATION AND QUANTITY

PASSIVE RESTORATION AREA
1. APPLY 6" MULCH.
2. INSTALL BIODEGRADABLE FIBER ROLLS AND/OR JUTE FABRIC AS NEEDED PER SWPPP

PRIORITY NATIVE PLANT STAND (PNPS)
1. PNPS TO BE FLAGGED BY PROJECT BIOLOGIST
2. FENCE ENTIRE PNPS
4. APPLY 3" MULCH BETWEEN NATIVE PLANT CLUSTERS WITHIN PNPS. DO NOT MULCH WITHIN NATIVE PLANT CLUSTERS.
5. AUGMENTED PLANTING, SEE SHEET L-5.1 FOR SCHEUDLE

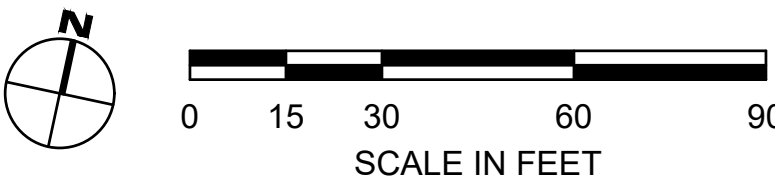
SLOPES 1.5:1 OR STEEPER, NO MULCH

PREVIOUS PHASE (EXISTING)

- PLACED EUCALYPTUS LOG
- FASCINE
- OAK TREE PLANTING
- PATCH PLANTING

LEGEND

- LIMIT OF WORK (L.O.W.)
- AREA BOUNDARY
- FIRE ROAD
- EXISTING TRAIL
- CRITICAL MONARCH ZONE BOUNDARY
- EXISTING TREE
- REMOVED TREES (STUMPS)
- TEMPORARY IRRIGATION TANK
- FIRE HYDRANT



NO.	DATE	DESCRIPTION	APPR

ALBANY HILL HABITAT RESTORATION PLAN

PHASE 5
ENLARGEMENT

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PHASE 5 RESTORATION ACTIONS

PATCH PLANTING, SEE SHEET L-5.1 FOR SCHEDULE

- OPEN OAK + HERBACEOUS PATCH
- NATIVE GRASSLAND PATCH
- OAK WOODLAND + SHRUB PATCH

OAK TREE PLANTING, VIF LOCATIONS, SEE SHEET L-5.1 FOR SCHEDULE

CONTRACTOR TO REINSTALL SALVAGED PLANTS FROM AREAS D4, E, F1, F2, AND G. VIF LOCATIONS WITH CITY OF ALBANY NATURAL AREAS STAFF

FASCINE, VIF LOCATION AND QUANTITY

PASSIVE RESTORATION AREA
1. APPLY 6" MULCH.
2. INSTALL BIODEGRADABLE FIBER ROLLS AND/OR JUTE FABRIC AS NEEDED PER SWPPP

PRIORITY NATIVE PLANT STAND (PNPS)
1. PNPS TO BE FLAGGED BY PROJECT BIOLOGIST
2. FENCE ENTIRE PNPS
4. APPLY 3" MULCH BETWEEN NATIVE PLANT CLUSTERS WITHIN PNPS. DO NOT MULCH WITHIN NATIVE PLANT CLUSTERS.
5. AUGMENTED PLANTING, SEE SHEET L-5.1 FOR SCHEDULE

SLOPES 1.5:1 OR STEEPER, NO MULCH

PREVIOUS PHASE (EXISTING)

- PLACED EUCALYPTUS LOG
- FASCINE
- OAK TREE PLANTING
- PATCH PLANTING

PHASE 1 FIELD TRIAL TREE PLANTING

- E. DIVERSICOLOR* KARRI EUCALYPTUS
- P. CANARIENSIS* CANARY ISLAND PINE
- L. FLORIBUNDUS* SSP. *ASPLENIFOLIUS* SANTA CRUZ ISLAND IRONWOOD
- P. SABINIANA* CALIFORNIA FOOTHILL PINE

LEGEND

- LIMIT OF WORK (L.O.W.)
- AREA BOUNDARY
- FIRE ROAD
- EXISTING TRAIL
- CRITICAL MONARCH ZONE BOUNDARY
- EXISTING TREE
- REMOVED TREES (STUMPS)
- TEMPORARY IRRIGATION TANK
- FIRE HYDRANT



REVISIONS				
NO.	DATE	DESCRIPTION	APPR	

ALBANY HILL HABITAT RESTORATION PLAN		PHASE 5 ENLARGEMENT
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PHASE 5 RESTORATION ACTIONS

PATCH PLANTING, SEE SHEET L-5.1 FOR SCHEDULE

- OPEN OAK + HERBACEOUS PATCH
- NATIVE GRASSLAND PATCH
- OAK WOODLAND + SHRUB PATCH

OAK TREE PLANTING, VIF LOCATIONS. SEE SHEET L-5.1 FOR SCHEDULE

CONTRACTOR TO REINSTALL SALVAGED PLANTS FROM AREAS D4, E, F1, F2, AND G. VIF LOCATIONS WITH CITY OF ALBANY NATURAL AREAS STAFF

FASCINE, VIF LOCATION AND QUANTITY

PASSIVE RESTORATION AREA
1. APPLY 6" MULCH.
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PRIORITY NATIVE PLANT STAND (PNPS)
1. PNPS TO BE FLAGGED BY PROJECT BIOLOGIST
2. FENCE ENTIRE PNPS
4. APPLY 3" MULCH BETWEEN NATIVE PLANT CLUSTERS WITHIN PNPS. DO NOT MULCH WITHIN NATIVE PLANT CLUSTERS.
5. AUGMENTED PLANTING, SEE SHEET L-5.1 FOR SCHEUDLE

SLOPES 1.5:1 OR STEEPER, NO MULCH

PREVIOUS PHASE (EXISTING)

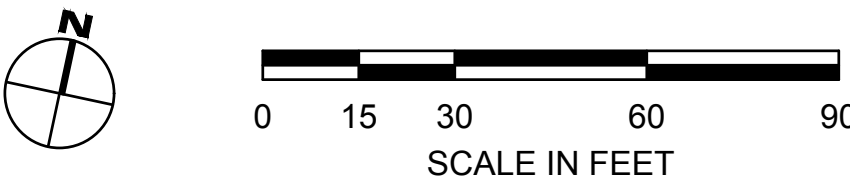
- PLACED EUCALYPTUS LOG
- FASCINE
- OAK TREE PLANTING
- PATCH PLANTING

PHASE 1 FIELD TRIAL TREE PLANTING

- E. DIVERSICOLOR* KARRI EUCALYPTUS
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- P. SABINIANA* CALIFORNIA FOOTHILL PINE

LEGEND

- LIMIT OF WORK (L.O.W.)
- AREA BOUNDARY
- FIRE ROAD
- EXISTING TRAIL
- CRITICAL MONARCH ZONE BOUNDARY
- EXISTING TREE
- REMOVED TREES (STUMPS)
- TEMPORARY IRRIGATION TANK
- FIRE HYDRANT



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DESCRIPTION	DATE				

ALBANY HILL HABITAT RESTORATION PLAN

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PHASE 5
ENLARGEMENT



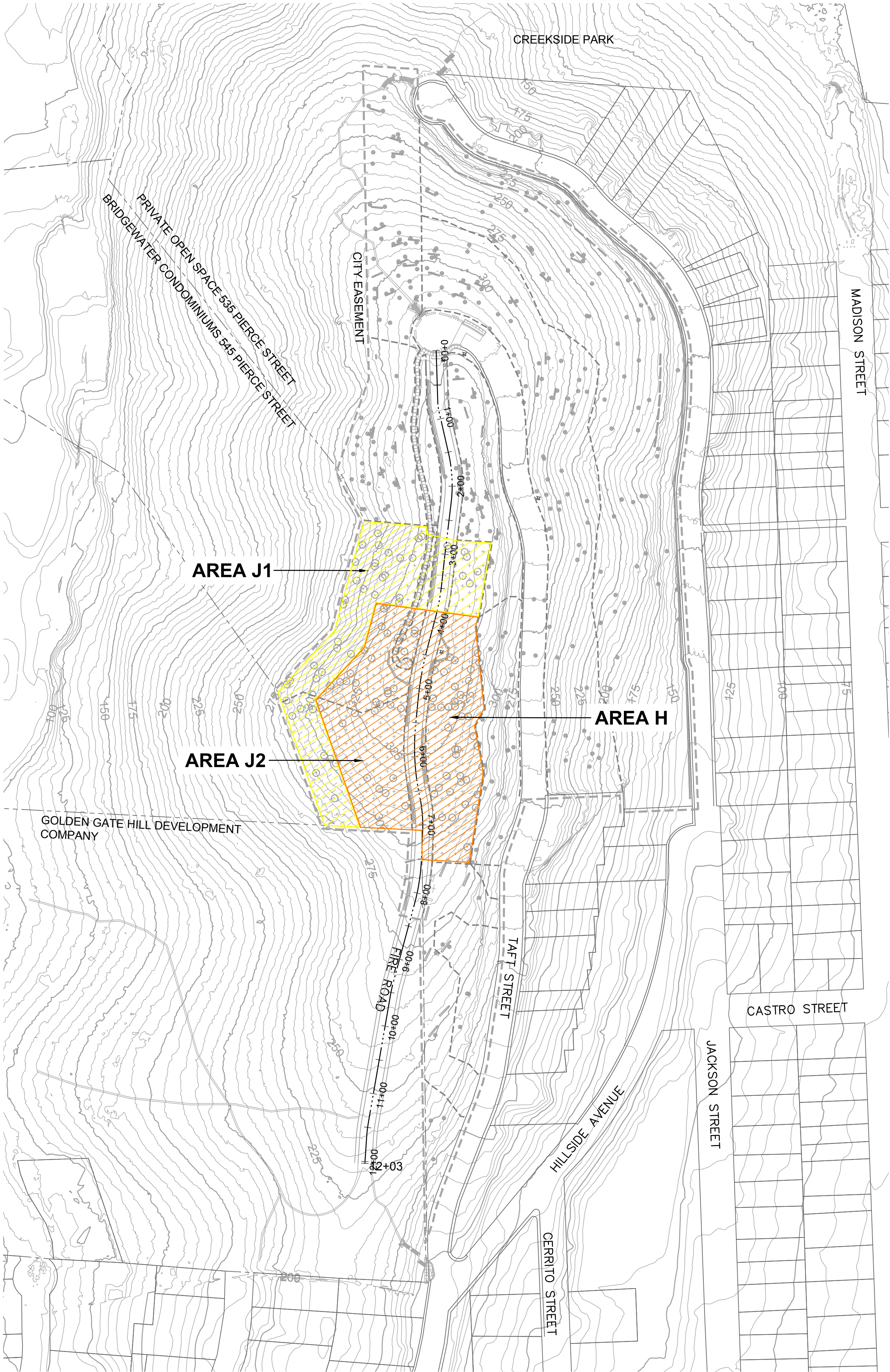
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PHASE 6 REMOVALS NOTES

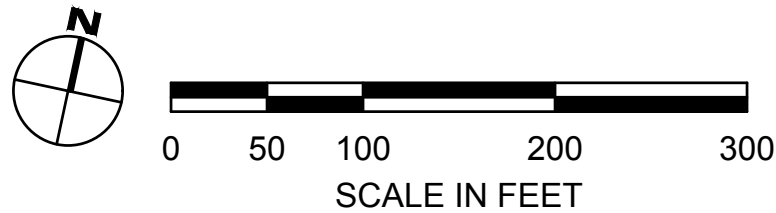
1. REMOVALS CONTRACTOR SCOPE DOES NOT INCLUDE CRITICAL MONARCH ZONE, BUT WILL INCLUDE EUCALYPTUS REMOVALS IN THE MONARCH BUFFER ZONE AS ASSESSED AND FLAGGED BY THE CITY ARBORIST.
2. REMOVALS CONTRACTOR SHALL COMPLY WITH ALL CONDITIONS OF THE PERMITS, AND ENVIRONMENTAL AND CULTURAL RESOURCE PROTECTION MEASURES - SEE SPECIFICATIONS.
3. REMOVALS CONTRACTOR TO REFER TO REMOVALS NOTES AND SPECIFICATIONS FOR ACTION.
4. MONARCH PROTECTION BMPS ARE TO BE STRICTLY FOLLOWED IN THE CRITICAL MONARCH ZONE AND MONARCH BUFFER ZONE.

MONARCH MANAGEMENT AREA REMOVALS

- MONARCH BUFFER ZONE
1. ±53 EUCALYPTUS ARBORIST #140-153, 221-230
2. TREES IN THIS ZONE TO BE ASSESSED PRIOR TO REMOVAL. CONFIRM ALL REMOVALS WITH CITY OF ALBANY STAFF.
- CRITICAL MONARCH ZONE
1. N.I.C.

LEGEND

- LIMIT OF WORK (L.O.W.)
- AREA BOUNDARY
- FIRE ROAD
- EXISTING TRAIL
- MONARCH ZONE BUFFER
- EXISTING TREE
- TREE TO BE REMOVED THIS PHASE
- TREE REMOVED IN PREVIOUS PHASE



ALBANY HILL HABITAT RESTORATION PLAN

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PHASE 6 REMOVALS
OVERVIEW

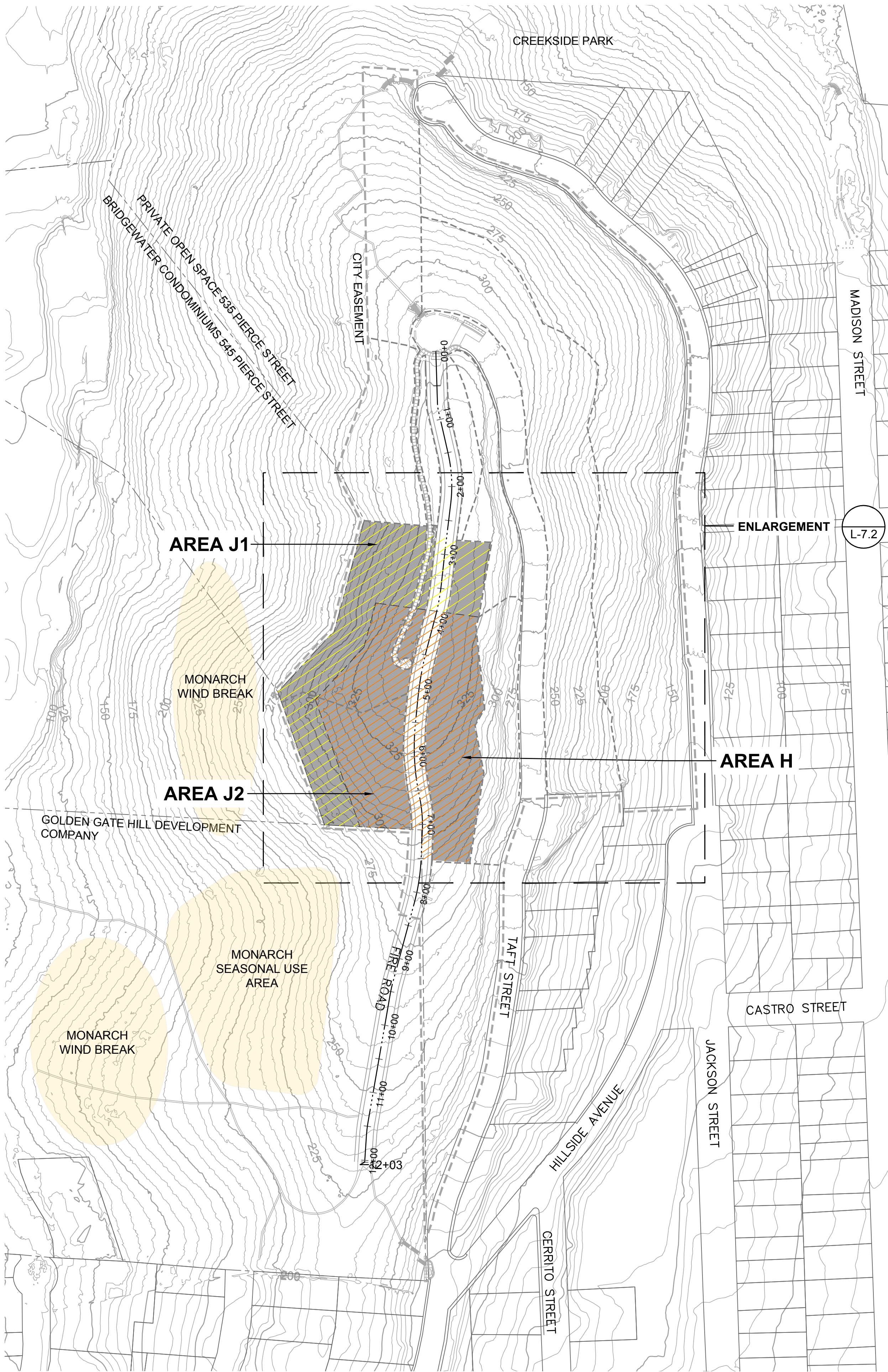


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PHASE 7 RESTORATION NOTES

1. RESTORATION CONTRACTOR SHALL COMPLY WITH ALL CONDITIONS OF THE PERMITS, AND ENVIRONMENTAL AND CULTURAL RESOURCE PROTECTION MEASURES. SEE SPECIFICATIONS.
2. RESTORATION CONTRACTOR SHALL WALK SITE WITH CITY OF ALBANY STAFF PRIOR TO COMMENCING WORK TO CONFIRM ALL FLAGGING AND PRIORITY NATIVE PLANT STAND (PNPS) DESIGNATIONS ARE APPROVED.
3. RESTORATION CONTRACTOR TO CONFIRM STAGING AREAS WITH O.R. AND TEAM BIOLOGIST.
4. REPLACEMENT TREE LOCATIONS TO BE CONFIRMED WITH CITY OF ALBANY NATURAL AREAS STAFF AND MONARCH BIOLOGY CONSULTANT.

LEGEND

- | | |
|---|--|
|  | PHASE WORK AREAS |
|  | MONARCH BUFFER ZONE |
|  | CRITICAL MONARCH ZONE |
|  | MONARCH WIND BREAKS AND SEASONAL USE AREAS |

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ALBANY HILL HABITAT RESTORATION PLAN

PHASE 7 RESTORATION OVERVIEW

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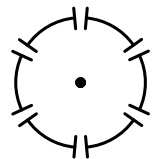
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PHASE 7 PNPS SCHEDULE

		PNPS-6	PNPS-8	PNPS-9	PNPS-10	TOTAL
AREA (SF)		5180	890	2965	5890	
SHRUBS						
Eriogonum nudum var. auriculatum	D16	0	3	9	0	12
PERENNIAL HERB						
Achillea millefolium	D16	110	9	32	125	276
Corethrogyne filaginifolia	D16	0	9	32	0	41
Epilobium canum subsp. canum	D16	0	19	63	0	82
Grindelia hirsutula	D16	110	19	63	125	317
Heterotheca sessiliflora subsp. bolanderi	D16	110	19	63	125	317
Sisyrinchium bellum	D16	55	0	0	63	118
Solidago velutina subsp. californica	D16	110	19	63	125	317
Wyethia angustifolia	D16	110	19	63	125	317
PERENNIAL GRASS						
Bromus sitchensis var. carinatus	Stub	110	19	63	125	317
Danthonia californica	Stub	110	19	63	125	317
Elymus multisetus	Stub	110	0	0	125	235
Melica californica	Stub	55	0	0	63	118
Stipa pulchra	Stub	110	19	63	125	317
TOTAL PLANTS		1100	173	577	1251	3101

PHASE 7 TREE SCHEDULE

BOTANICAL NAME	COMMON NAME	SIZE	QTY
QUERCUS AGRIFOLIA	COAST LIVE OAK	15 G	3



PHASE 7 PATCH SUMMARY TABLE - TO BE VERIFIED PRIOR TO COMMENCING PHASE WORK

		H Open Oak + Herbaceous	J1 Oak Woodland + Shrub	J2 Native Grassland	TOTAL
TOTAL PATCH AREA (SF)		1500	2244	1610	
TREES					
Quercus agrifolia	D40	3	10	0	13
SHRUBS					
Artemisia californica	D40	3	4	0	7
Baccharis pilularis subsp. consanguinea	D40	0	18	0	18
Diplacus aurantiacus	D40	3	4	0	7
Eriogonum nudum var. auriculatum	D40	0	0	6	6
Frangula californica subsp. californica	D40	3	4	0	7
Heteromeles arbutifolia	D40	0	4	0	4
Lonicera hispidula	D40	3	4	0	7
Ribes californicum var. californicum	D40	3	18	0	21
Ribes malvaceum var. malvaceum	D40	0	4	0	4
Ribes sanguineum var. glutinosum	D40	0	4	0	4
Rosa californica	D40	0	18	0	18
Rosa gymnocarpus	D40	3	4	0	7
Rubus ursinus	D40	0	4	0	4
Sambucus mexicana	D40	3	18	0	21
Symphoricarpos albus var. laevigatus	D40	0	18	0	18
Symphoricarpos mollis	D40	0	4	0	4
PERENNIAL HERB					
Achillea millefolium	D16	96	0	82	178
Angelica californica	D16	19	29	0	48
Carex barbarea tumulicola	D16	19	0	0	19
Chlorogalum pomeridianum var. pomeridianum	D16	19	0	10	29
Corethrogyne filaginifolia	D16	0	0	10	10
Epilobium canum subsp. canum	D16	0	0	82	82
Eurybia radulina	D16	0	0	10	10
Grindelia hirsutula	D16	0	0	82	82
Heterotheca sessiliflora subsp. bolanderi	D16	96	0	82	178
Horkelia californica var. californica	D16	19	0	10	29
Lathyrus vestitus var. vestitus	D16	19	29	0	48
Monardella villosa subsp. villosa	D16	19	0	10	29
Sanicula bipinnatifida	D16	19	0	10	29
Sanicula crassicaulis	D16	19	0	10	29
Scrophularia californica	D16	0	129	0	129
Sidalcea malviflora ssp. malviflora	D16	0	0	10	10
Sisyrinchium bellum	D16	19	0	10	29
Solidago velutina subsp. californica	D16	96	0	82	178
Stachys rigida var. quercetorum	D16	19	29	0	48
Symphyotrichum chilense	D16	19	0	10	29
Wyethia angustifolia	D16	19	0	10	29
PERENNIAL GRASS					
Bromus sitchensis var. carinatus	SC	77	29	82	188
Danthonia californica	SC	0	0	10	10
Elymus glaucus subsp. glaucus	SC	77	0	82	159
Elymus multisetus	SC	0	0	10	10
Festuca californica	SC	19	0	0	19
Festuca rubra	SC	0	0	10	10
Koeleria macrantha	SC	0	0	10	10
Melica californica	SC	0	0	82	82
Stipa lepida	SC	19	0	82	101
Stipa pulchra	SC	19	0	82	101
ANNUAL HERB					
Claytonia perfoliata	SC	19	29	10	58
FERNS					
Dryopteris arguta	SC	19	29	0	48
TOTAL PLANTS		789	443	986	2218

REVISIONS

NO.	DATE	DESCRIPTION

APPR

ALBANY HILL HABITAT RESTORATION PLAN

100% REVIEW SUBMITTAL
(NOT FOR CONSTRUCTION)

PHASE 7 PLANTING
SCHEDULES



Restoration Design Group, Inc.
800 Hearn Street
Berkeley, CA 94710
T 510.644.2798 F 510.644.2799
www.restorationdesigngroup.com

DESIGN BYAS

DRAWN BYHH, HK, HC

CHECKED BYES

SCALE

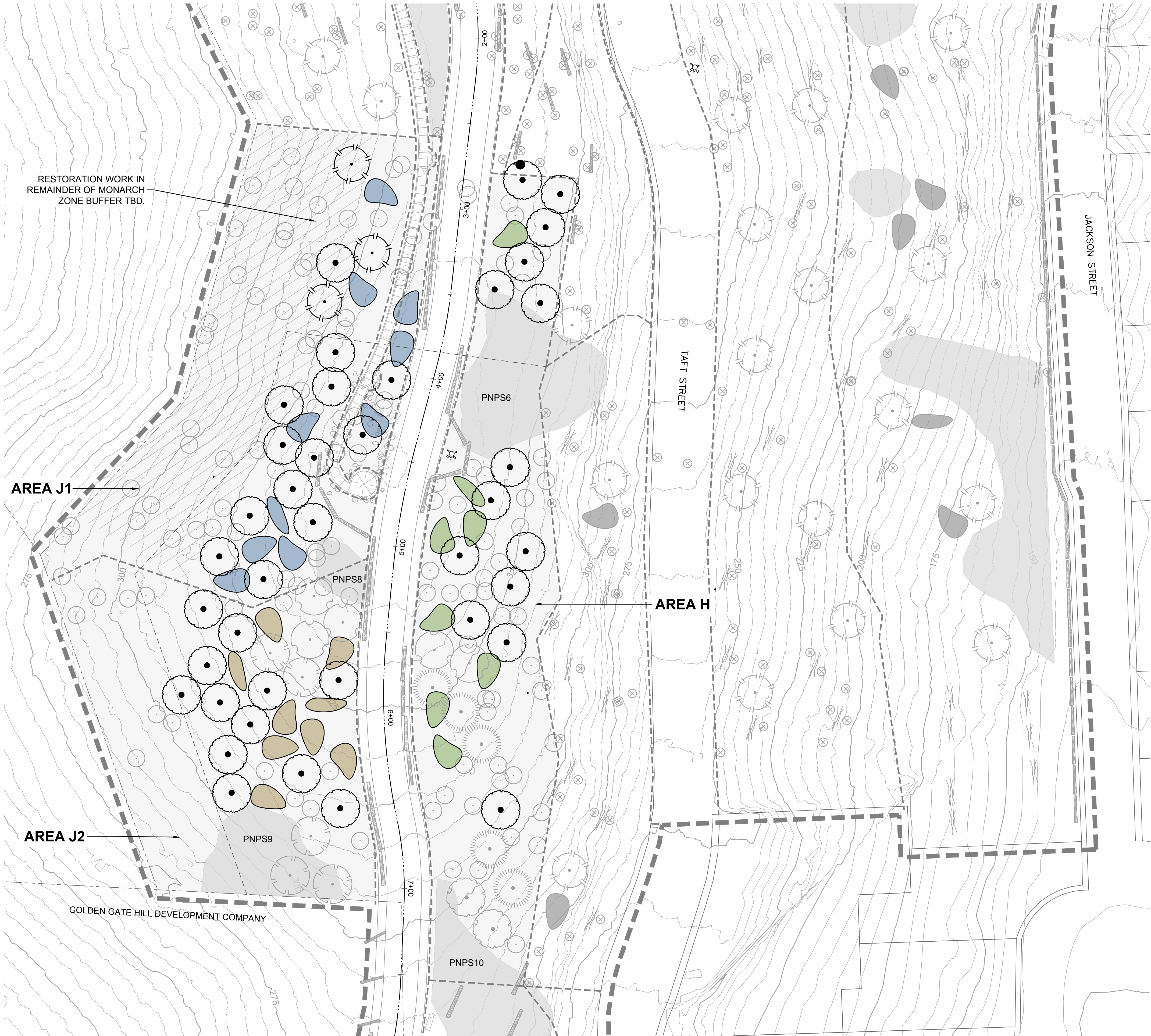
DATEJANUARY 27, 2025

SHEET

L-7.1

OF 24

C:\USERS\HANNAH\RESTORATION DESIGN GROUP\PROJECTS - DOCUMENTS\ALBANY HILL FOREST MANAGEMENT PLAN\04 AUTOCAD\WORKING DRAWINGS\SHEETS\AHILL LS PHASE 7.DWG PLOTTED ON: 1/27/2025



PHASE 7 RESTORATION ACTIONS

PATCH PLANTING, SEE SHEET L-7.1 FOR SCHEDULE

- OPEN OAK + HERBACEOUS PATCH
- NATIVE GRASSLAND PATCH
- OAK WOODLAND + SHRUB PATCH

OAK TREE PLANTING, VIF LOCATIONS, SEE SHEET L-7.1 FOR SCHEDULE

- PASSIVE RESTORATION AREA
 - 1. APPLY 6" MULCH.
 - 2. INSTALL BIODEGRADABLE FIBER ROLLS AND/OR JUTE FABRIC AS NEEDED PER SWPPP
- PRIORITY NATIVE PLANT STAND (PNPS)
 - 1. PNPS TO BE FLAGGED BY PROJECT BIOLOGIST
 - 2. FENCE ENTIRE PNPS
 - 4. APPLY 3" MULCH BETWEEN NATIVE PLANT CLUSTERS WITHIN PNPS. DO NOT MULCH WITHIN NATIVE PLANT CLUSTERS.
 - 5. AUGMENTED PLANTING, SEE SHEET L-7.1 FOR SCHEDULE

SLOPES 1.5:1 OR STEEPER, NO MULCH

REPLACEMENT TREE

- 1. INSTALL REPLACEMENT TREES (39) AT A VARIETY OF AGE CLASSES: D40, 5G, 15G. SPECIES DETERMINED PRIOR TO INITIATING WORK IN PHASE 7

PREVIOUS PHASE (EXISTING)

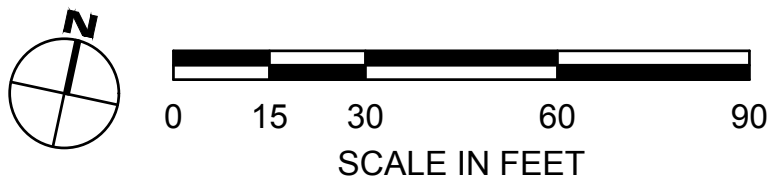
- PLACED EUCALYPTUS LOG
- FASCINE
- OAK TREE PLANTING
- PATCH PLANTING

PHASE 1 FIELD TRIAL TREE PLANTING

- E. DIVERSICOLOR* KARRI EUCALYPTUS
- P. CANARIENSIS* CANARY ISLAND PINE
- L. FLORIBUNDUS* SSP. *ASPENIIFOLIUS* SANTA CRUZ ISLAND IRONWOOD
- P. SABINIANA* CALIFORNIA FOOTHILL PINE

LEGEND

- LIMIT OF WORK (L.O.W.)
- AREA BOUNDARY
- FIRE ROAD
- EXISTING TRAIL
- CRITICAL MONARCH ZONE BOUNDARY
- EXISTING TREE
- REMOVED TREES (STUMPS)
- TEMPORARY IRRIGATION TANK
- FIRE HYDRANT



REVISIONS				
NO.	DATE	DESCRIPTION	APPR	

ALBANY HILL HABITAT RESTORATION PLAN

PHASE 7
ENLARGEMENT

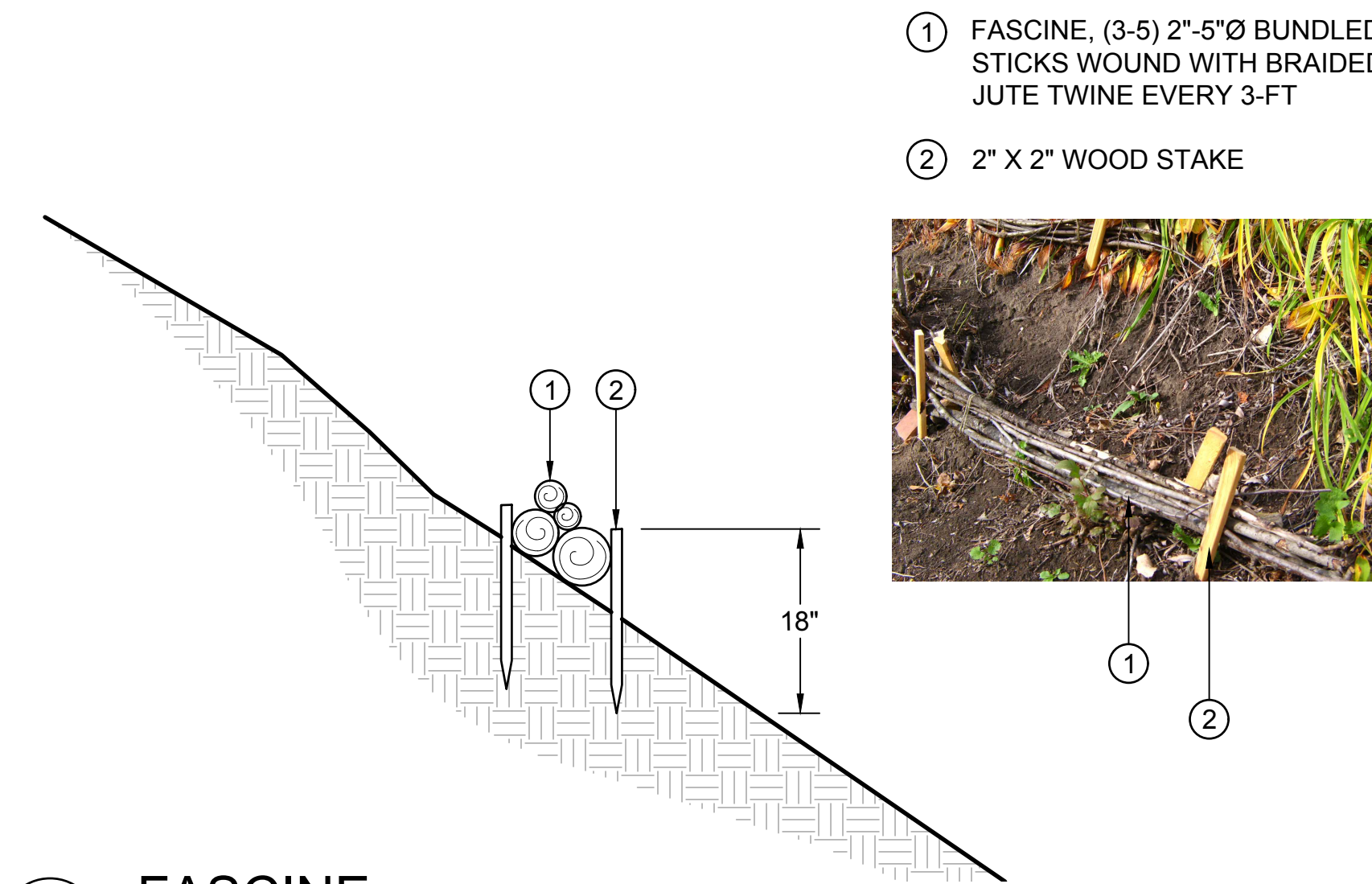
100% REVIEW SUBMITTAL
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RDG

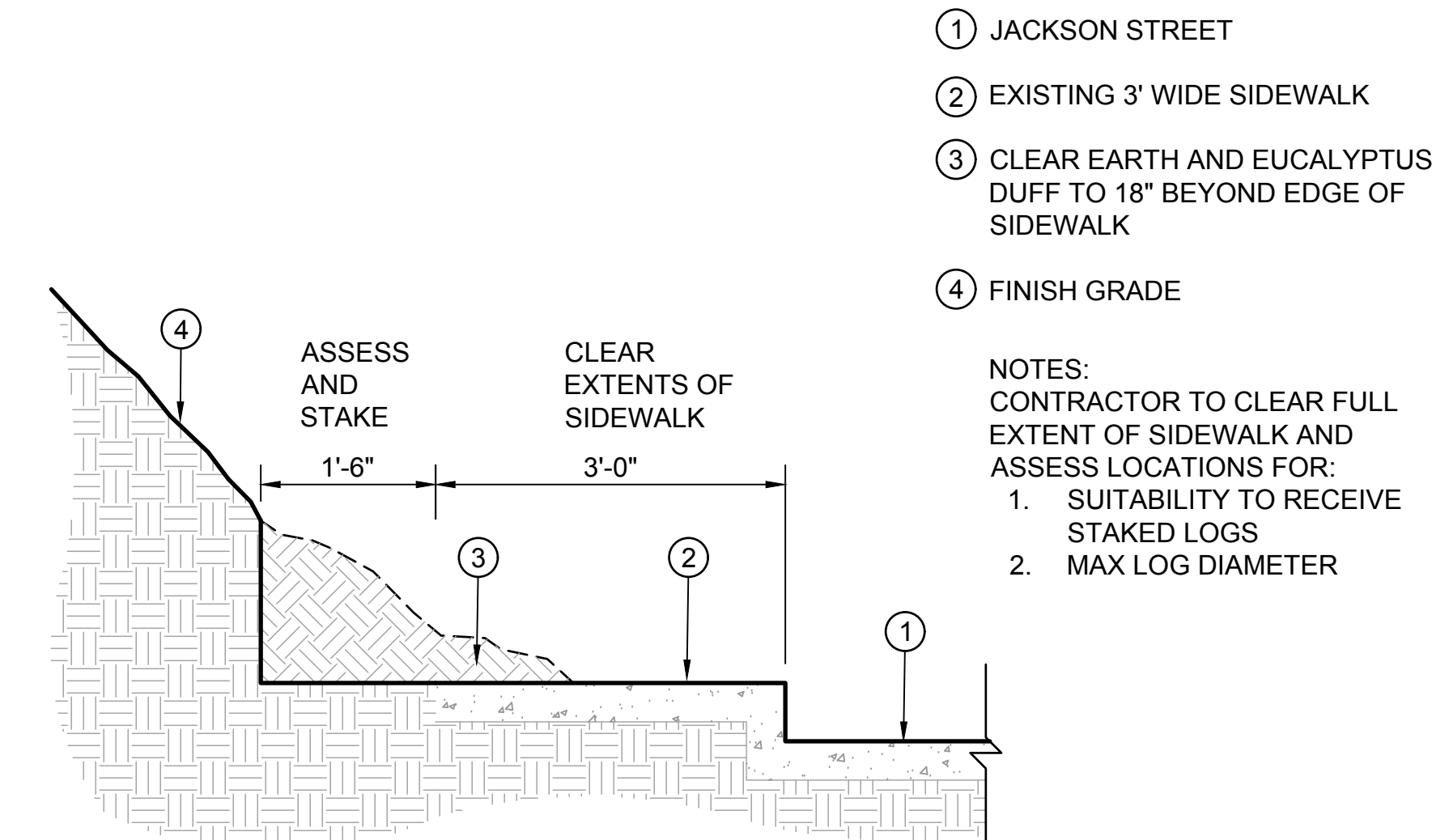
Restoration Design Group, Inc.
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www.restorationdesigngroup.com

DESIGN BY	AS
DRAWN BY	HH, HK, HC
CHECKED BY	ES
SCALE	1" = 30'
DATE	JANUARY 27, 2025
SHEET	

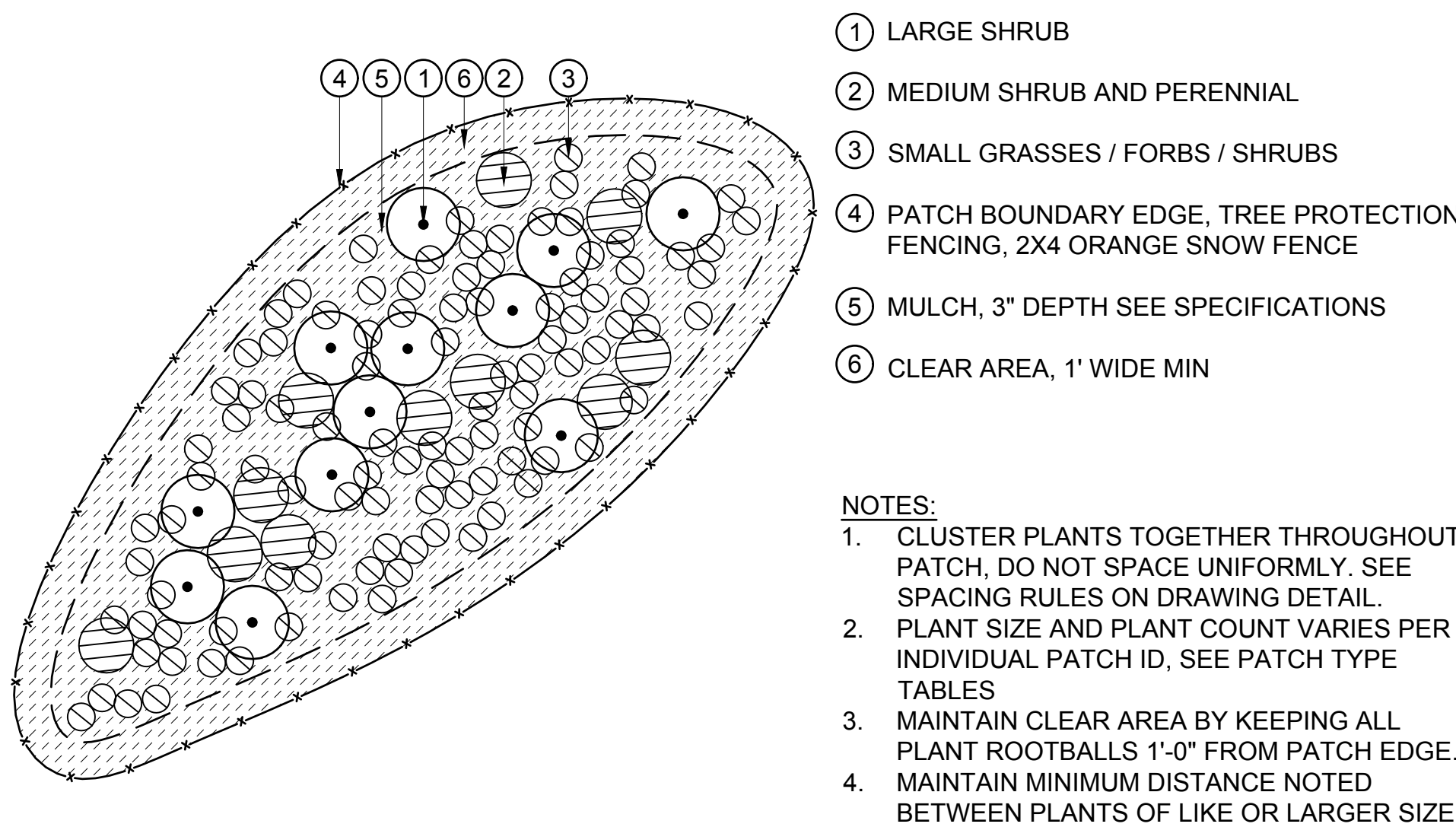
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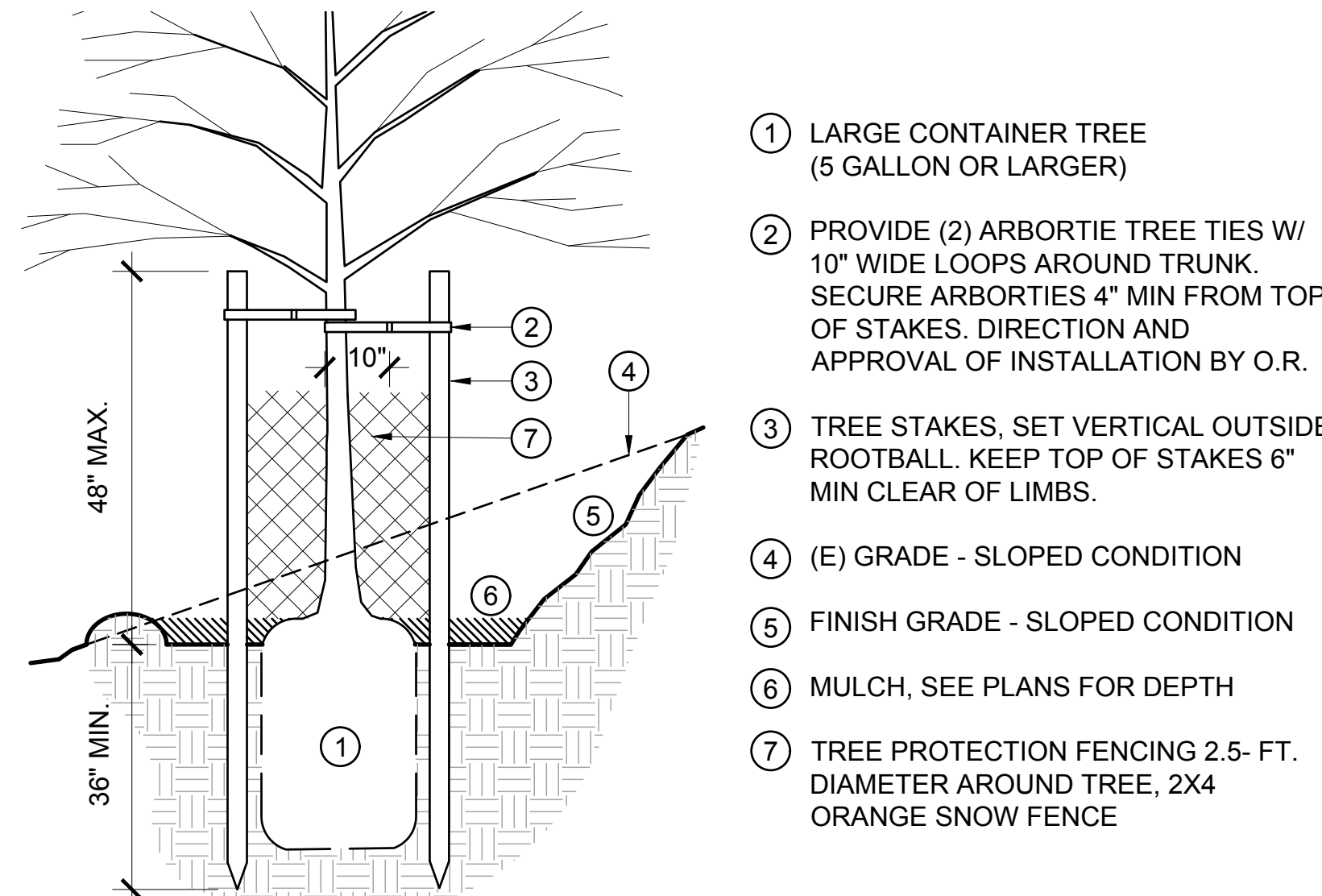
6 FASCINE
SCALE: NTS



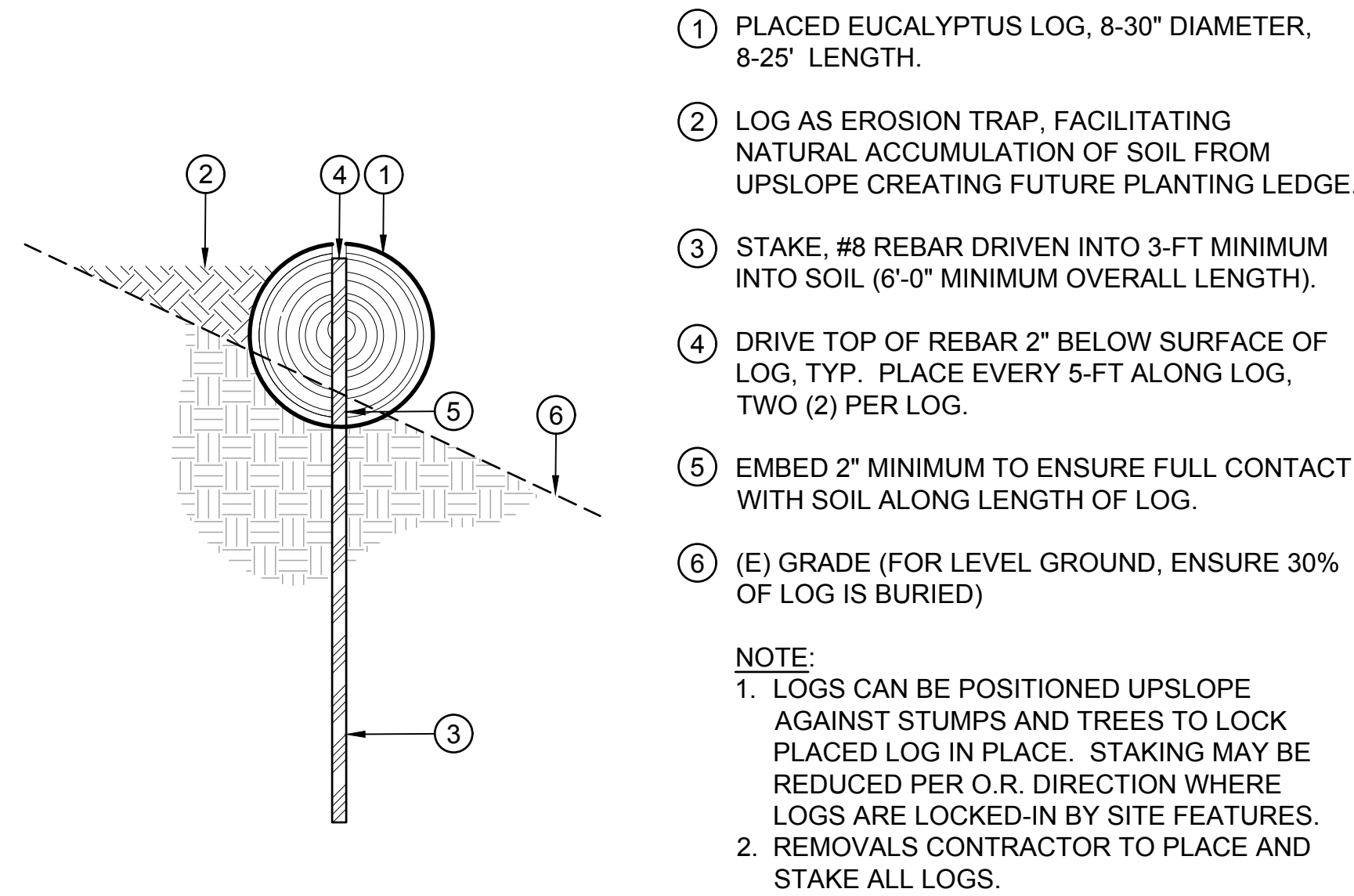
7 JACKSON STREET LOG PREPARATION
SCALE: NTS



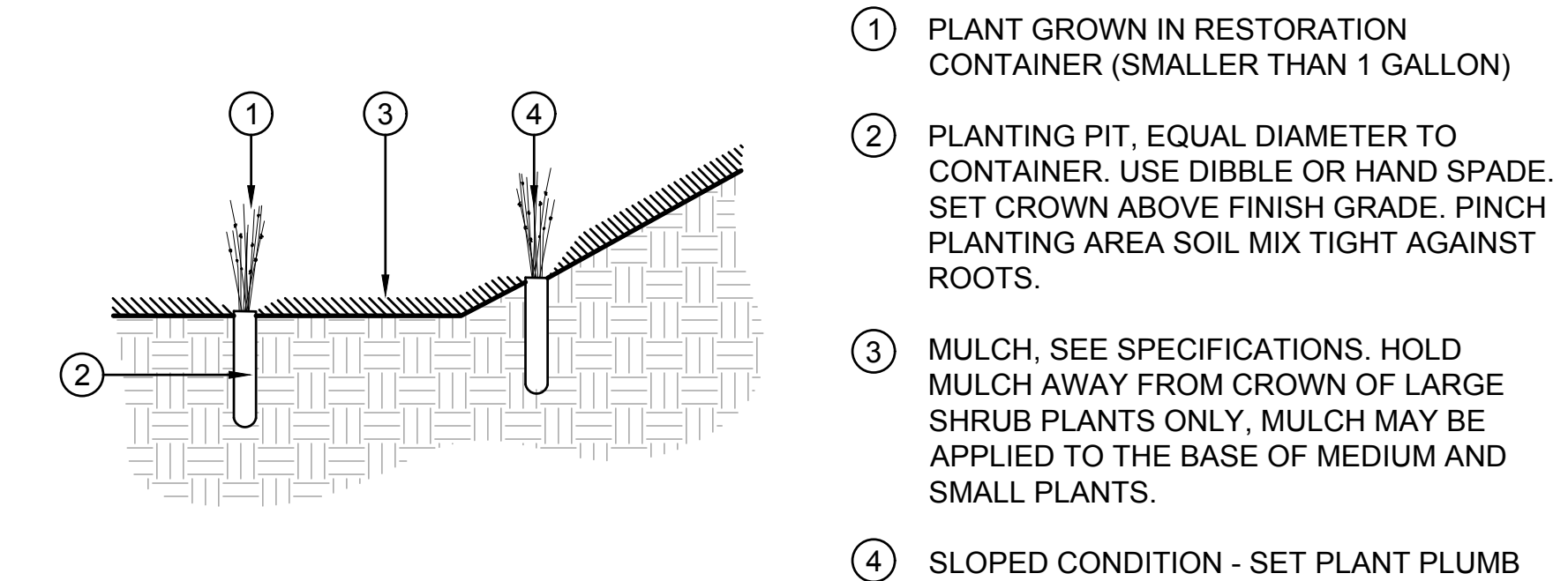
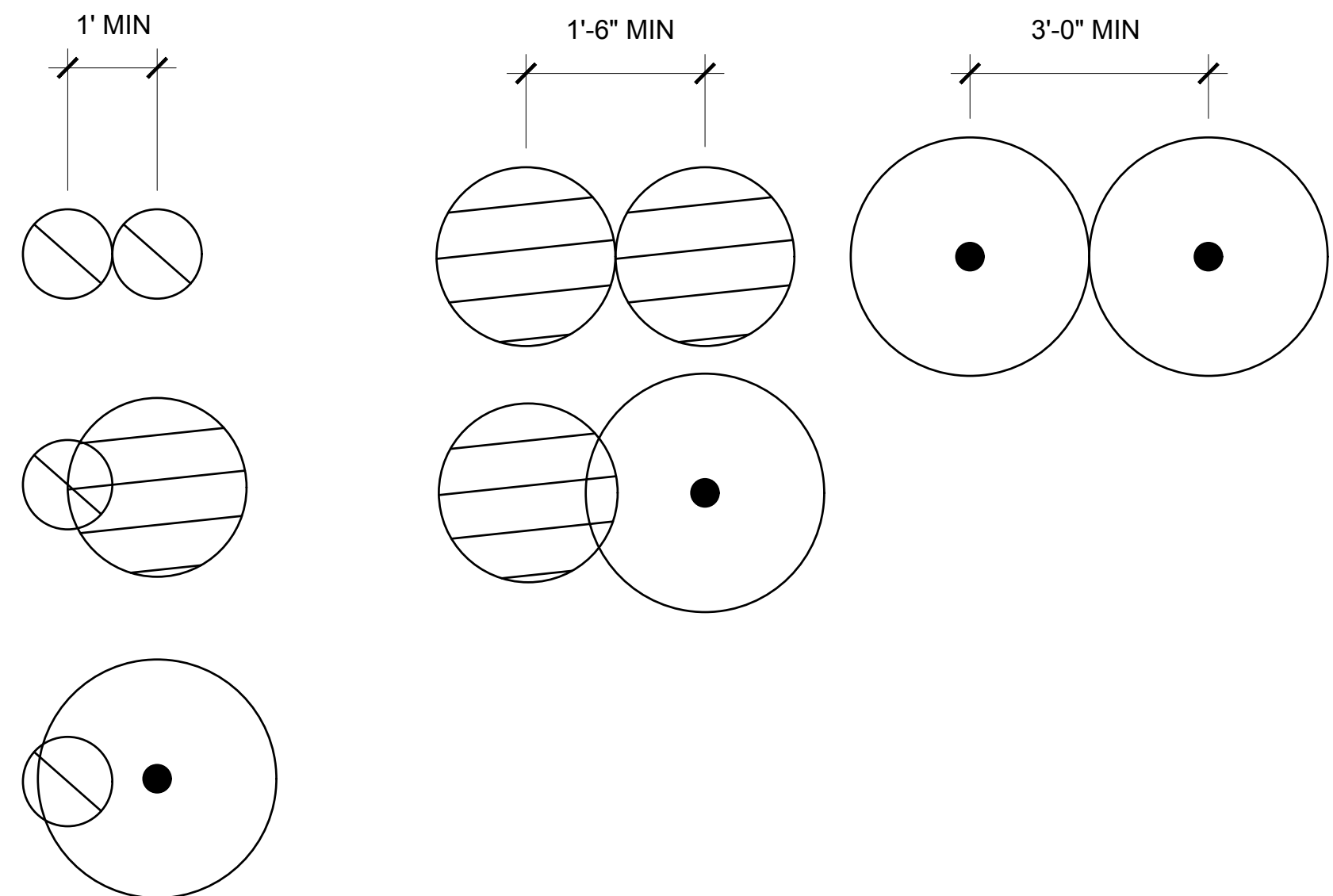
8 PATCH PLANTING AND SPACING
SCALE: 3" = 1'-0"



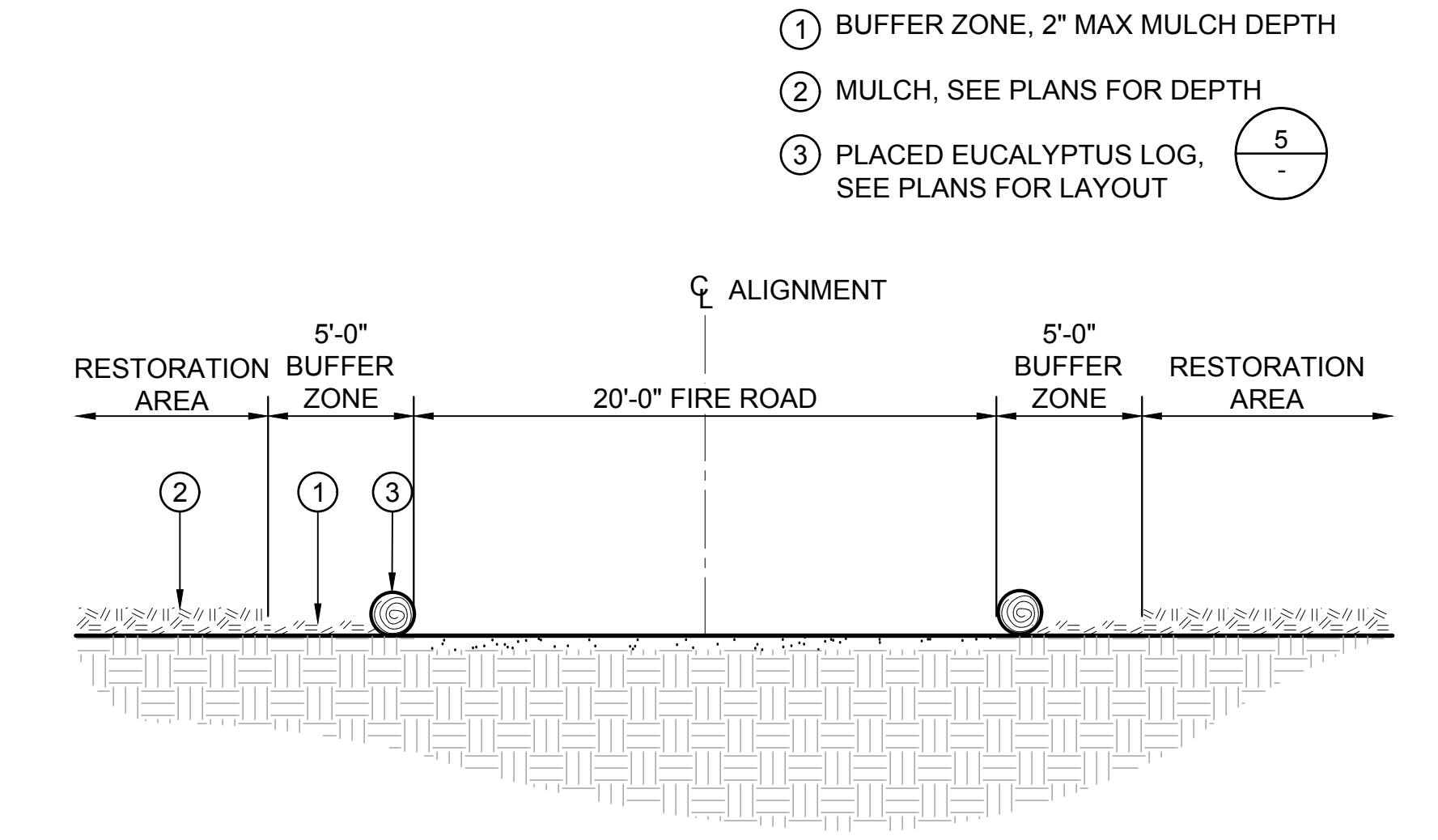
4 TREE STAKING
SCALE: 3/4" = 1'-0"



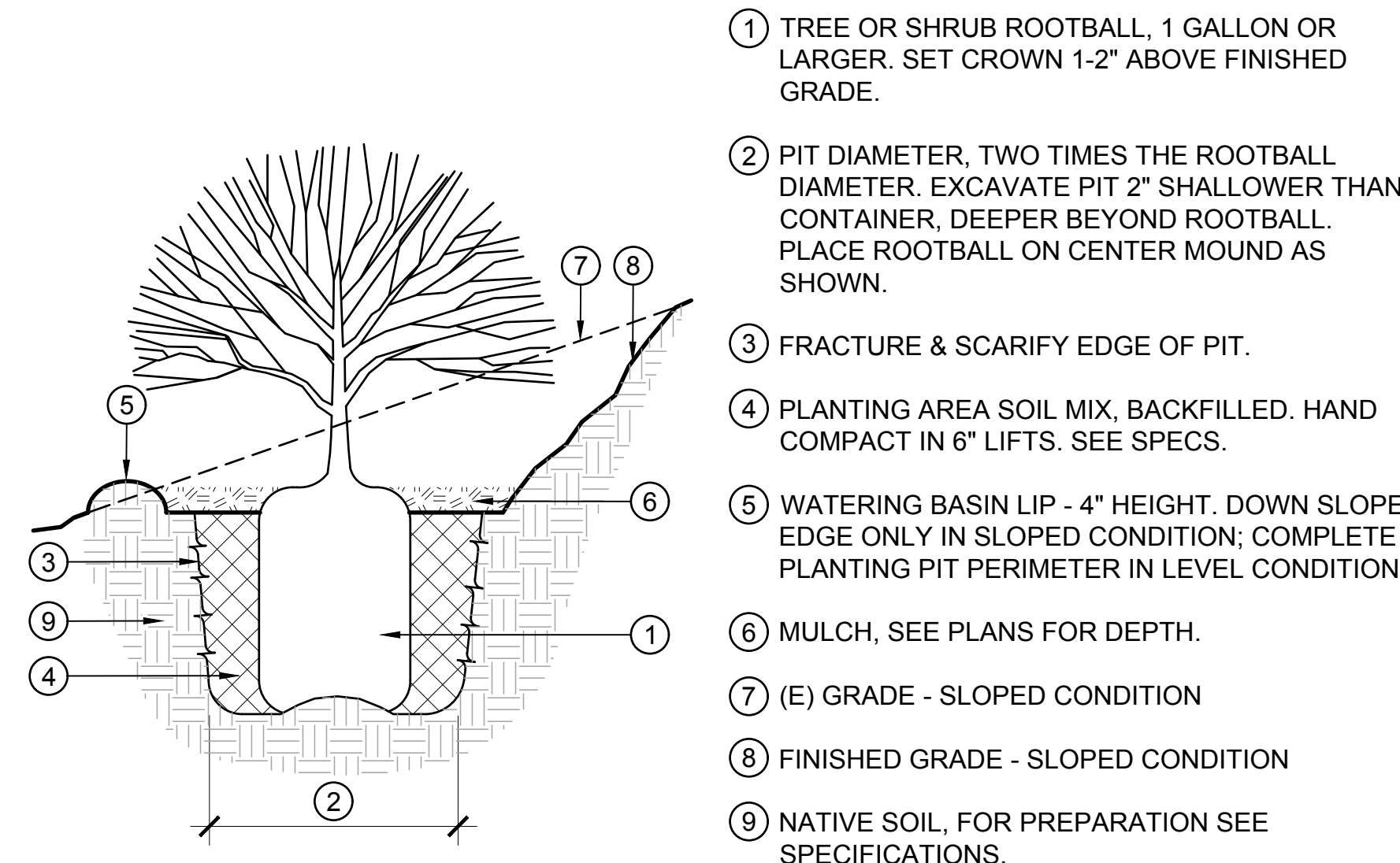
5 PLACED EUCALYPTUS LOG
SCALE: 3/4" = 1'-0"



1 SMALL PLANTING
SCALE: 1" = 1'-0"



2 FIRE ROAD BUFFER
SCALE: NTS



3 LARGE CONTAINER PLANTING
SCALE: 3/4" = 1'-0"

REVIEWS	DESCRIPTION	DATE	NO.	APPR.

ALBANY HILL HABITAT RESTORATION PLAN

100% REVIEW SUBMITTAL
(NOT FOR CONSTRUCTION)

IMPLEMENTATION DETAILS



DESIGN BY	AS
DRAWN BY	HH, HK, HC
CHECKED BY	AS
SCALE	AS NOTED
DATE	JANUARY 27, 2025
SHEET	

L-8.0

OF 24