

HARDSCAPE PLAN

MASONRY CONTRACTOR (MC) INSTALLATION NOTES

MC is responsible for installation & materials unless noted otherwise.

1. SITE PREP.
- REMOVE & DISPOSE OF SOIL IN CONCRETE AND D.G. AREAS.

-

- GRADE SITE FOR PROPER DRAINAGE.
2. CONCRETE.
- INSTALL CONCRETE AROUND EXISTING MONUMENT PLINTH AS INDICATED ON PLAN.

- APPLY TOP SURFACE RETARDER TO CONCRETE.
3. RAISED BEDS.
- CONSTRUCT RAISED PLANTING BEDS ON NATIVE SOIL TO 12" ABOVE GRADE OF ADJACENT CONCRETE.

- PROVIDE DRAINAGE IN BEDS TO AVOID LEAKING ON CONCRETE.

- COORDINATE W/ ENVIROSCAPE FOR IRRIGATION LINES IN RAISED BEDS.

- SEE PLAN AND MATERIALS LIST.
4. SEAT BOULDERS.
- INSTALL TWO SEAT BOULDERS. SEE PLAN & CONSULT W/ ENVIROSCAPE FOR EXACT LOCATION.
5. FLAGSTONE.
- INSTALL FLAGSTONE PAVERS AT GRADE W/ ADJACENT NEW CONCRETE.

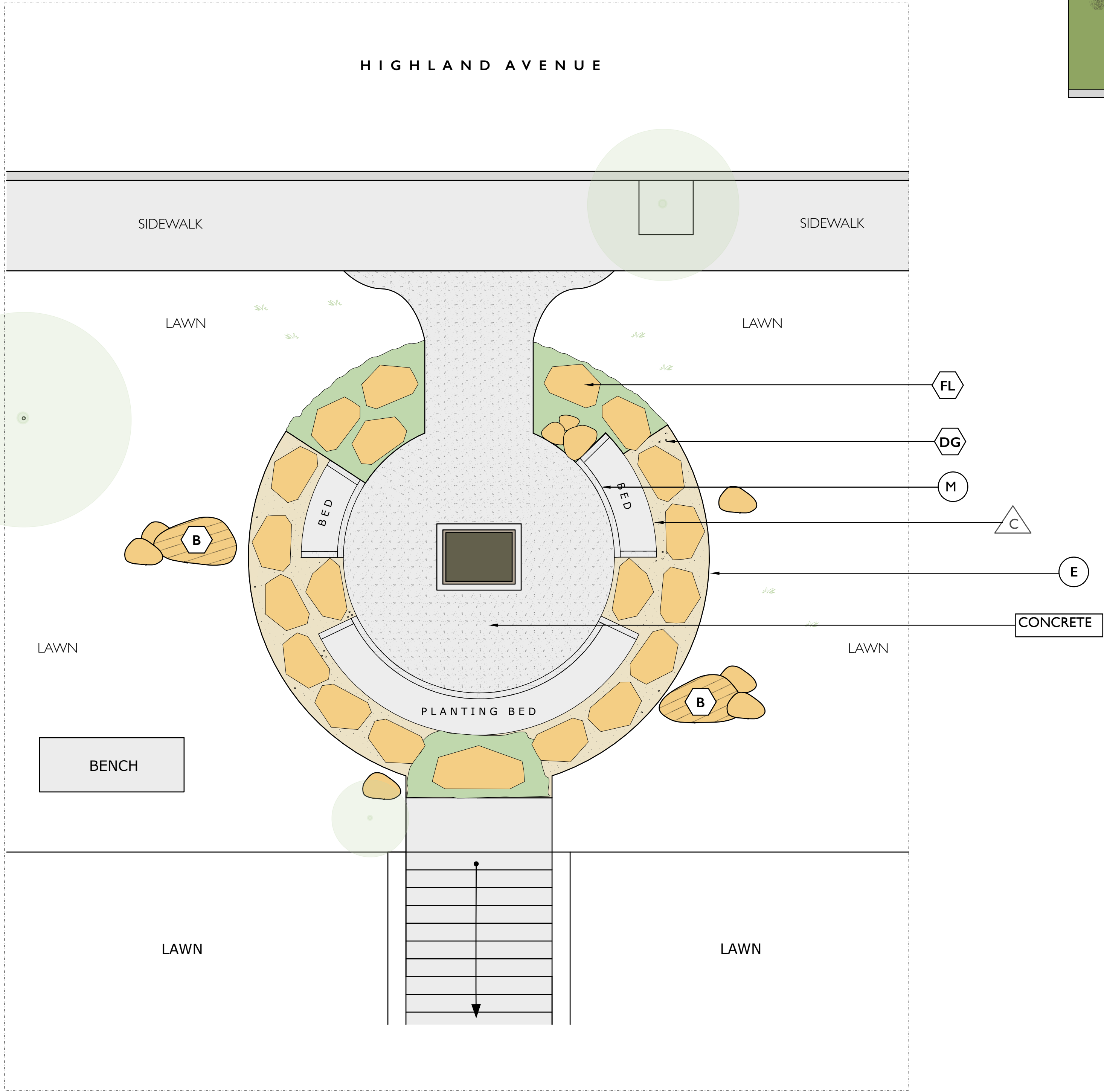
- MORTAR SET INDIVIDUAL FLAGSTONES LEAVING APPROX. 4" GAPS INBETWEEN EACH STONE.
6. DECOMPOSED GRANITE (D.G.) / LANDSCAPE EDGING.
- INSTALL COMPACTED D.G. AND LANDSCAPE EDGING. REFER TO PLAN AND MATERIALS LIST.

HARDSCAPE MATERIALS

EST. QTYS	ITEM
TBD BY MC	CONCRETE
TBD BY MC	MANUFACTURED STONE FOR BUILT RAISED BEDS MATCH LOOK OF BC URBAN LEDGE OR SIMILAR 12" MIN LENGTH, MC CONSULT W/ ENVIRO ON TYPE
TBD BY MC*	CORTEN STEEL FOR RAISED BEDS. MUST BE 12" ABOVE GRADE & PRO. THICKNESS FOR SOIL RETENTION.
2 EA 2 PALLETS	X-LARGE SEAT BOULDERS, GOLDEN CLOUD OR SIMILAR LARGE ACCENT BOULDERS, GOLDEN CLOUD OR SIMILAR
2 PALLETS	FLAGSTONE, SELECT GRADE HARDSTONE, 3" - 4" MIN THICKNESS, MC TO CONSULT W/ ENVIRO ON TYPE
TBD BY MC	DECOMPOSED GRANITE, SAND COLOR, LOCALLY SOURCED. PRO TAMPED. PRO MIX AT DEPTH TO CODE.
500 LN FT	LANDSCAPE EDGING. EPIC BRAND PRO. RECYCLED BENDABOARD.

* SUBJECT TO AVAILABILITY - RECOMMEND ALL STONE OPTION FOR BEDS.

NOTE:
ENVIROSCAPE LA HARDSCAPE DESIGNS ARE CONCEPTUAL,
NOT A SUBSTITUTE FOR ENGINEERING, CONTRACTING OR
ARCHITECTURAL PLANS. MC TO CONFIRM MEASUREMENTS,
GRADE CHANGES & EXISTING ELEMENTS ON SITE
BEFORE COMMENCING WORK.



SYMBOLS KEY

B	SEAT BOULDERS	
FL	MORTAR SET FLAGSTONE	
DG	DECOMPOSED GRANITE	
E	EDGING	
M	MANUFACTURED STONE	
C	COR-TEN STEEL	

BRUCE'S BEACH MEMORIAL GARDEN
MANHATTAN BEACH CALIFORNIA

HARDSCAPE PLAN

ENVIROSCAPE LA / MIKE GARCIA
REDONDO BEACH CA
PH 310 420.8507

PLANTING PLAN

LANDSCAPE CONTRACTOR (LC) INSTALLATION NOTES

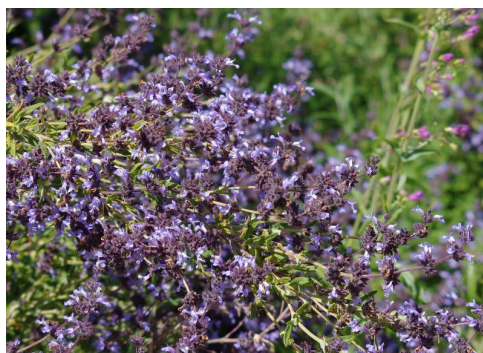
LC is responsible for installation & materials unless noted otherwise.

1. PROVIDE SOIL AND ORGANICS FOR RAISED PLANTER BEDS.
- FILL BEDS WITH A MIX OF SOIL AND PLANTING MIX TO 3" BELOW FINAL HEIGHT OF PLANTERS. SEE LANDSCAPE MATERIALS.
2. PROVIDE AND INSTALL BARK-ONLY MULCH.
2. PLANT PREP. & INSTALLATION. FOR CA NATIVE PLANTS.
- LC TO PROVIDE PLANTS & ASSIST IN PLACEMENT ON INSTALL DAY.
- WATER CONTAINER PLANTS THE DAY BEFORE PLANTING. (LC)
- IF PLANT IS ROOT BOUND, GENTLY ROUGH UP ROOTS, EXCEPTION: DO NOT DISTURB ROOTS OF Ceanothus.
- INSTALL PLANT APPROX. 1" HIGHER THAN SURROUNDING SOIL.
4. DRIP IRRIGATION. LC TO WORK WITH CITY TO INSTALL SYSTEM.
- FOR CA NATIVE PLANTS, KUROPIA AREAS, SURROUNDING NATIVE GRASSES.
- BEST PRACTICES: NEW LATERALS FOR SURFACE AND SUB-SURFACE DRIP INSTALLATION USING RAINBIRD COPPER SHIELD TECH SYSTEM. INSTALL USING RAINBIRD SPECS. AND FITTINGS ONLY.

- REPOSITION OR REPLACE EXISTING CONVENTIONAL SPRAY IRRIGATION HEADS TO AVOID MOISTURE ON MEMORIAL. REFER TO LANDSCAPING MATERIALS.

LANDSCAPING MATERIALS

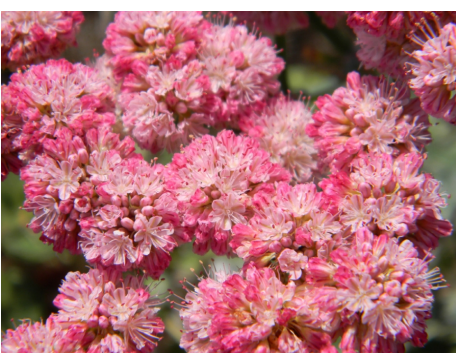
EST. QTYS	ITEM
TBD BY LC	SOILS AND ORGANICS FOR RAISED PLANTER BEDS. INSTALL TO 3" BELOW FINAL HEIGHT OF BEDS. APPROX. 9" HIGH. -- 69A SIFTED LOCALLY SOURCED SOIL 70% -- LOCAL OMRI CERTIFIED ORGANIC COMPOST 30%
3 CU YDS	DECO BARK TOP DRESSING. NO WOOD CHIPS.
TBD BY LC	DRIP IRRIGATION. RAINBIRD COPPER SHIELD TECHNOLOGY DRIP SYSTEM -- SURFACE INSTALLATION: 3 TOTAL PLANTING BEDS. -- SUBSURFACE INSTALLATION: KUROPIA AREAS & PERIMETER NATIVE SEDGES.
SEE PLANT LEGEND	OBTAIN AND INSTALL PLANTS INCL. KUROPIA.



BONBON SAGE



CHISAI CA. SEDGE



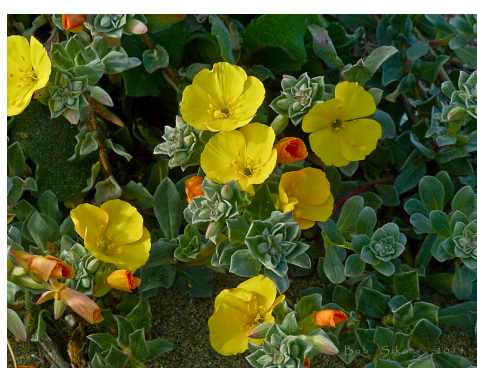
RED BUCKWHEAT



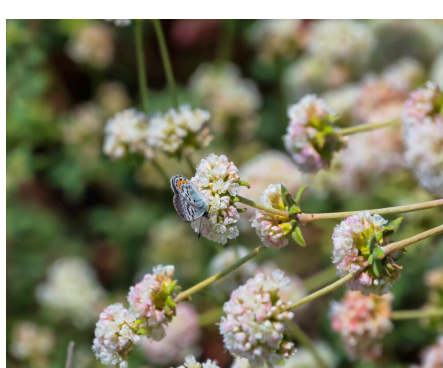
MOONSHINE YARROW



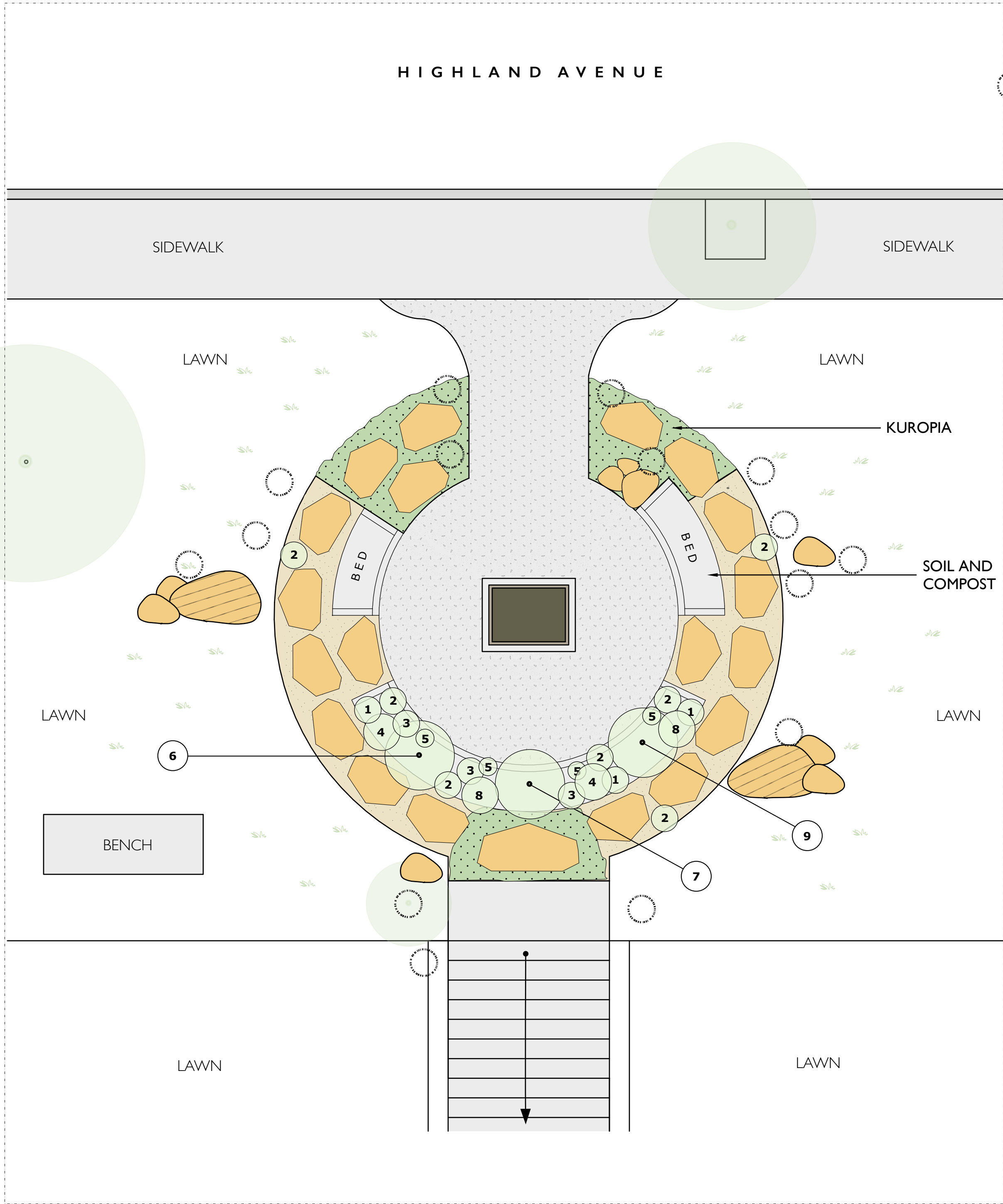
CATALINA ISLAND SNAPDRAGON



BEACH PRIMROSE



DUNE BUCKWHEAT



PLANT LEGEND NO.	QTY/SZ	BOTANICAL NAME	COMMON NAME
1	3 EA/1 GAL	ACHILLEA 'MOONSHINE'	MOONSHINE YARROW
2	6 EA/1 GAL	CAMISSONIOPSIS CHERANTHIFOLIA	BEACH PRIMROSE
3	3 EA/1 GAL	ERIGERON GLAUCUS 'BOUNTIFUL'	SEASIDE DAISY
4	2 EA/1 GAL	ERIOGONUM PARVIFOLIUM	COAST BUCKWHEAT
5	3 EA/1 GAL	ERIOGONUM 'GRANDE RUBESCENS'	RED BUCKWHEAT
6	1 EA/1 GAL	GAMBELLIA SPECIOSA	ISLAND SNAPDRAGON
7	1 EA/1 GAL	SALVIA 'BONBON'	BONBON DWARF SAGE
8	2 EA/1 GAL	EPILOBIUM CANUM	CALIF FUCHSIA
9	1 EA/1 GAL	ISOMERIS ARBOREA	BLADDERPOD

- GROUND COVER: KUROPIA IN FLATS - QTY TBD

- NATIVE GRASS: SUBJECT TO AVAILABILITY CAREX PRAEGRACILIS 'CHISAI' (CHISAI CALIFORNIA SEDGE)

- COASTAL CALIF POPPY: ANNUALS/ SUBJECT TO AVAILABILITY ESCHSCHOLZIA CALIFORNICA VAR. MARITIMA



BRUCE'S BEACH MEMORIAL GARDEN
MANHATTAN BEACH CALIFORNIA

PLANTING PLAN



SCALE
1/4 " = 1.0 '

ENVIROSCAPE LA / MIKE GARCIA
2609 VARGAS WAY
REDONDO BEACH, CALIFORNIA

GARDEN DESIGN
FOR
BRUCE'S BEACH MEMORIAL GARDEN
CITY OF MANHATTAN BEACH CALIFORNIA

BRUCE'S BEACH PARK
2600 HIGHLAND AVENUE
MANHATTAN BEACH CA