

ENVIROSCAPE LA / MIKE GARCIA
REDONDO BEACH CA
PH 310 420.8507

HARDSCAPE PLAN
AND SITE DIMENSIONS

MASONRY CONTRACTOR (MC) INSTALLATION NOTES
MC is responsible for installation & materials unless noted otherwise.

1. SITE PREP.
- REMOVE & DISPOSE OF SOIL IN CONCRETE AREA.
REFER TO DIMENSIONS.

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

- APPLY TOP SURFACE RETARDER TO CONCRETE.
SEE MATERIALS.
3. RAISED BEDS. STONE AND CORTEN STEEL.
- CONSTRUCT RAISED PLANTING BEDS ON NATIVE SOIL TO 12" ABOVE GRADE OF ADJACENT CONCRETE USING STONE AND CORTEN STEEL (SEE PLAN AND MATERIALS.)

- PROVIDE DRAINAGE IN BEDS TO AVOID LEAKING ON ADJACENT CONCRETE.

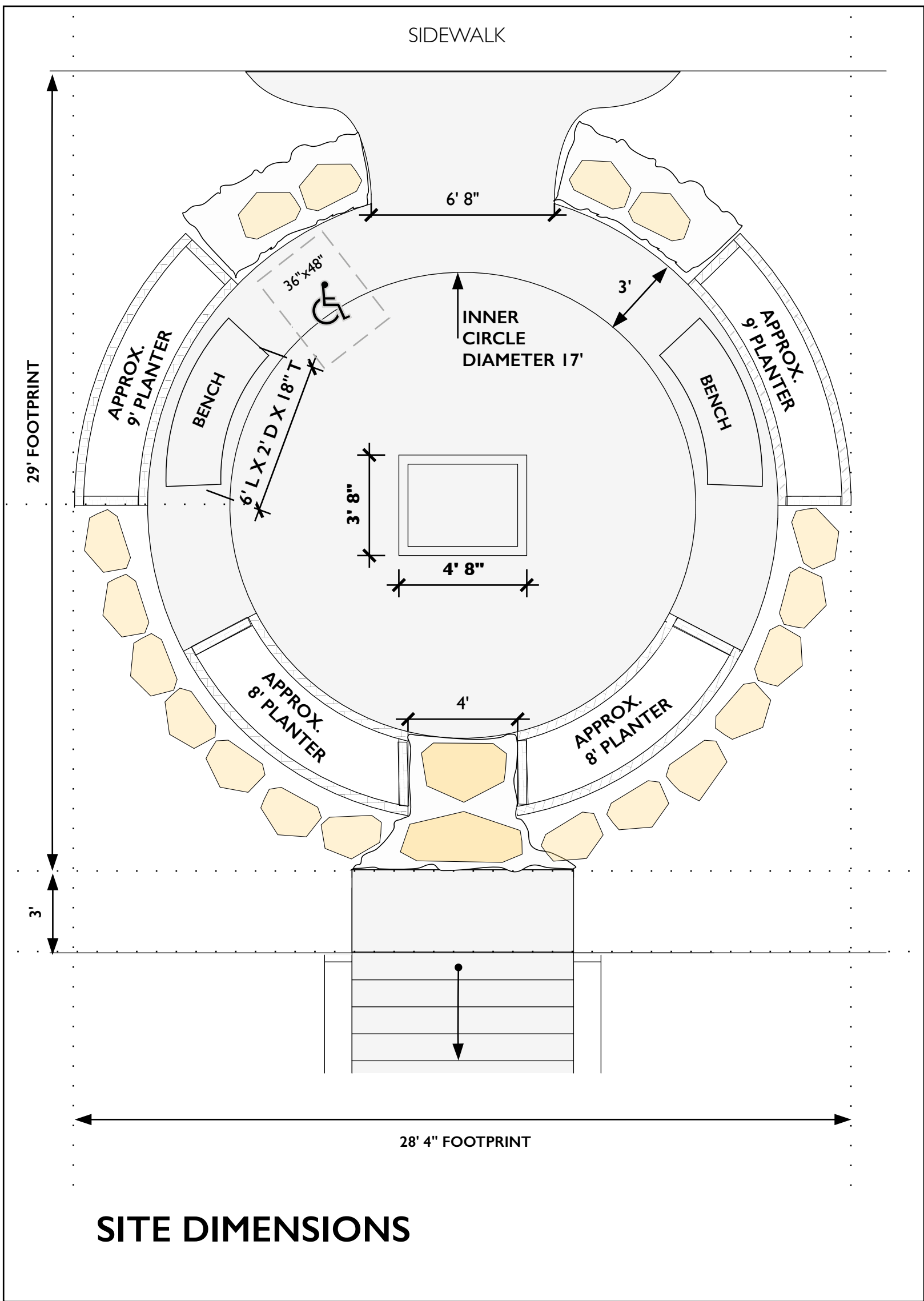
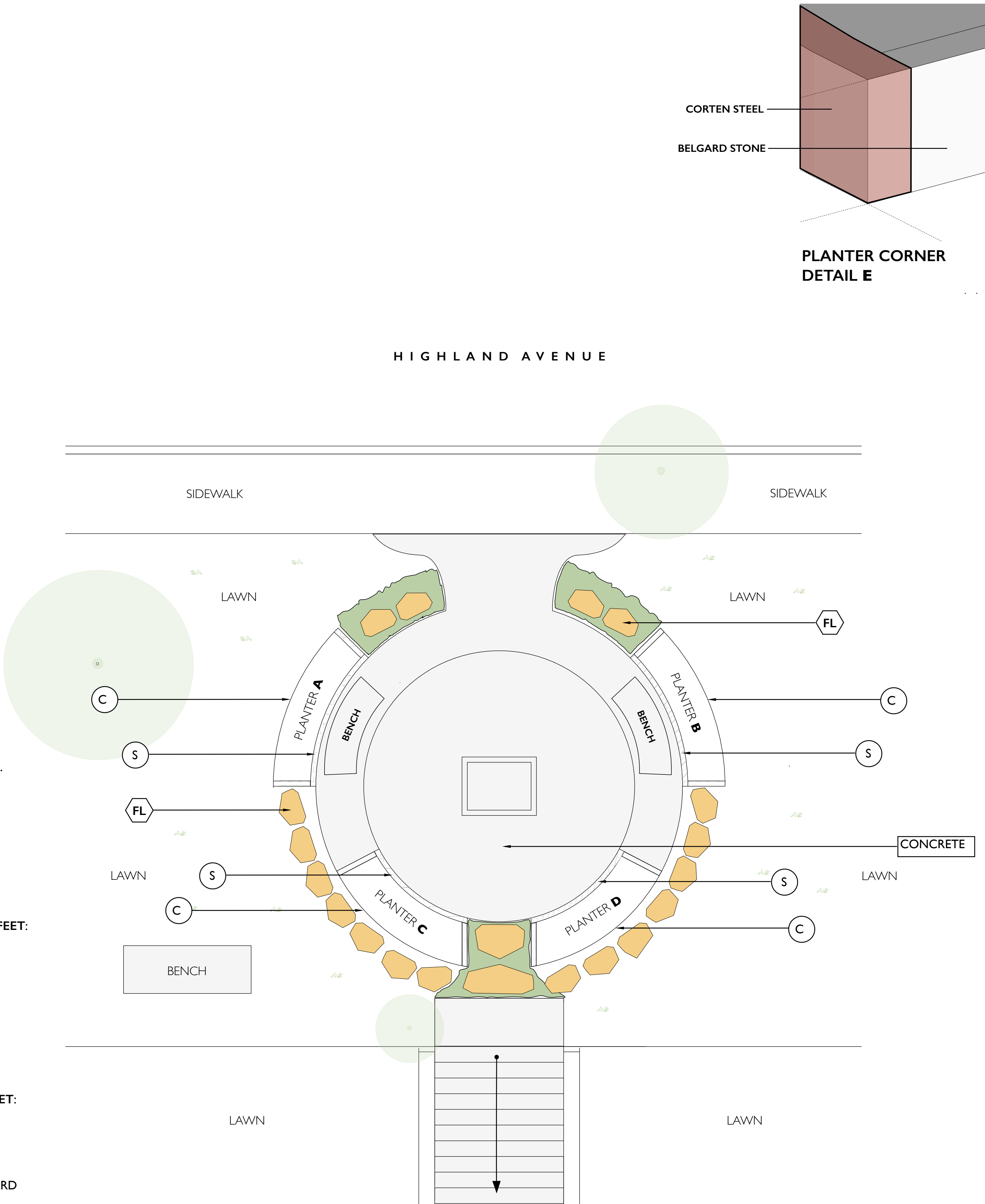
- COORDINATE W/ LC FOR IRRIGATION LINES IN RAISED BEDS.
SEE PLAN AND MATERIALS FOR ADDITIONAL DETAILS.
4. FLAGSTONE.
- INSTALL FLAGSTONE PAVERS IN LAWN - MATCH GRADE W/ ADJACENT NEW CONCRETE.

- MORTAR SET INDIVIDUAL FLAGSTONES LEAVING APPROX. 4" GAPS BETWEEN EACH STONE.
5. BENCHES. 2 EA. CITY WILL PROVIDE BENCHES
INSTALLATION TBD

HARDSCAPE MATERIALS

EST. QTYS	ITEM
TBD BY MC	CONCRETE & SURFACE RETARDER TOTAL AREA SQ FOOTAGE: APPROX. 400 AREA SQ FT (AREA SQ FT IS A SURFACE DIMS. AND NOT AN INDICATOR OF DEPTH.) INSTALL AT DEPTH TO LOCAL CODE REQUIREMENTS.
MC TO	PLANTERS ALSO SEE PLANTER CORNER DETAIL E.
CALCULATE QTYS.	BELGARD "BELAIR 2.0" MANUFACTURED STONE FOR PLANTERS. STONE IS TO RETAIN SOIL ON EDGES ALONG WITH THE CORTEN STEEL. MC TO SECURE JOINTS BETWEEN MATERIALS. SEE PLAN. HEIGHT OF PLANTERS TO BE: 12" H SIZE OF EACH BELGARD STONE: 6" x 10" x 5" LENGTH OF BELGARD STONE PLANTER EDGE IN LINEAR FEET: A & B PLANTERS (2 EACH): 28' 6" LIN FT. (APPROX. 14' 3" LIN FT. EACH PLANTER) C & D PLANTERS (2 EACH): 26' 8" LIN FT (APPROX. 13' 4" LIN FT. EACH PLANTER)
MC TO CALCULATE QTYS.	SEE BELAIR SPECS. ATTACHED.
2 PALLETS	CORTEN (WEATHERING) STEEL FOR PLANTERS. CORTEN STEEL IS TO RETAIN SOIL ON EDGES ALONG WITH THE BELGARD STONE. HEIGHT OF PLANTERS TO BE: 12" H LENGTH OF CORTEN STEEL PLANTER EDGE IN LINEAR FEET: A & B EAST PLANTERS (2 EACH): 22' LIN FT. (APPROX. 11' LIN. FT. EACH PLANTER) C & D WEST PLANTERS (2 EACH): 21' 2" LIN FT. (APPROX. 11' 1" LIN. FT. EACH PLANTER) INSTALL CORTEN ON OUTER LAWN EDGE ONLY. RECOMMENDED TO INSTALL CORTEN STEEL FIRST BEFORE BELGARD STONE. SEE PLAN. MC TO SECURE JOINTS BETWEEN MATERIALS. SEE PLAN. CORTEN STEEL HEIGHT: FROM 20-24" H SUFFICIENT TO BURY. WIDTH: MIN 16 GAUGE, COMMERCIAL GRADE WEATHERING STEEL.
2 EA	FLAGSTONE, SELECT GRADE ARIZONA SELECT COLOR BUFF AVOID PALETTES WITH UNEVEN STONES. AVOID PINK IN SELECTION. 3" - 4" MIN. THICKNESS APPROX. 18 - 23" L X 16 - 18" W
	BENCHES BY QCP STYLE: "GROOVE (WITHOUT BACK)" COLOR: HARVEST. SURFACE TYPE: STRATA SHAPE: CUSTOM ORDER - CURVED SHAPE WITH APPROX. DIMENSIONS: 6' L X 2' D X 18" H APPROX. WEIGHT: 334 LBS.

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	
FL	MORTAR SET FLAGSTONE SET IN LAWN
C	CORTEN STEEL
S	STACKED STONE FOR PLANTERS

BRUCE'S BEACH MEMORIAL GARDEN
MANHATTAN BEACH CALIFORNIA

HARDSCAPE PLAN



SCALE
1/4" = 1.0'

ENVIROSCAPE LA / MIKE GARCIA
2609 YARGAS 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

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 4" 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 COYOTE BRUSH.
- INSTALL PLANT APPROX. 1" HIGHER THAN SURROUNDING SOIL.
4.

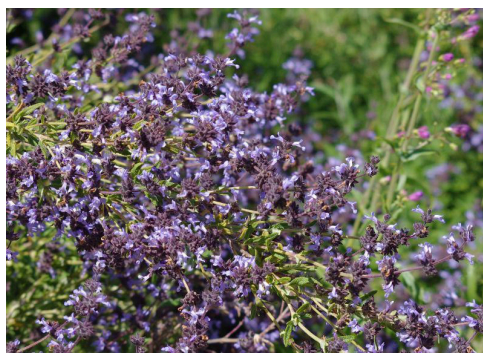
DRIP IRRIGATION. LC TO WORK WITH CITY TO INSTALL SYSTEM.
- FOR CA NATIVE PLANTS, KUROPIA AREAS, SURROUNDING NATIVE GRASSES.
- BEST PRACTICES: NEW LATERALS FOR ATTACHING SURFACE AND SUB-SURFACE DRIP INSTALLATION USING RAINBIRD COPPER SHIELD TECH SYSTEM.
INSTALL USING RAINBIRD SPECS.AND FITTINGS ONLY.

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

LANDSCAPING MATERIALS

LC TO CONFIRM MATERIALS QTYS.

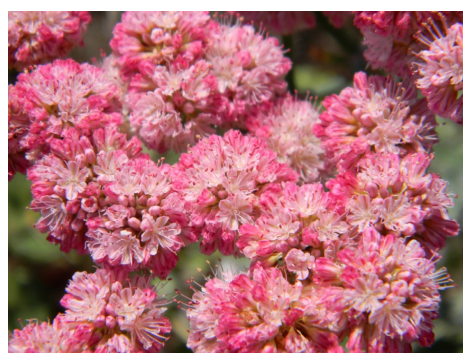
EST. QTYS	ITEM
TBD BY LC	SOILS AND ORGANICS FOR RAISED PLANTER BEDS. INSTALL TO 3" BELOW FINAL HEIGHT OF BEDS. APPROX. 9" HIGH. -- 69A SIFTED LOCALLY SOURCED SOIL 70% -- LOCAL OMRI CERTIFIED ORGANIC COMPOST 30%
3 CU YDS	MULCH. DECO BARK TOP DRESSING. NO WOOD CHIPS.
500 LIN FT	DRIP IRRIGATION. RAINBIRD COPPER SHIELD TECHNOLOGY DRIP SYSTEM -- SURFACE INSTALLATION: 4 TOTAL PLANTING BEDS. -- SUBSURFACE INSTALLATION: KUROPIA AREAS & PERIMETER NATIVE SEDGES. REFER TO PLAN AND DIMENSIONS ON PAGE 1. LC TO CONFIRM MATERIALS QTY.
SEE PLANT LEGEND	OBTAIN AND INSTALL PLANTS INCL. KUROPIA.



BONBON SAGE



CHISAI CA. SEDGE



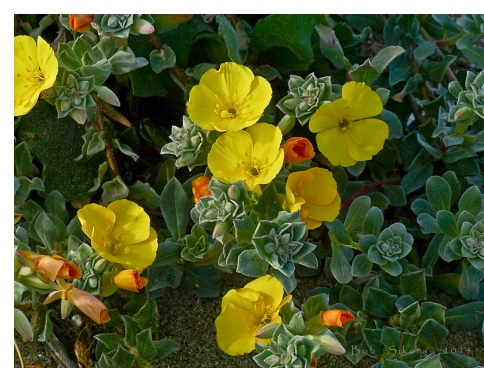
RED BUCKWHEAT



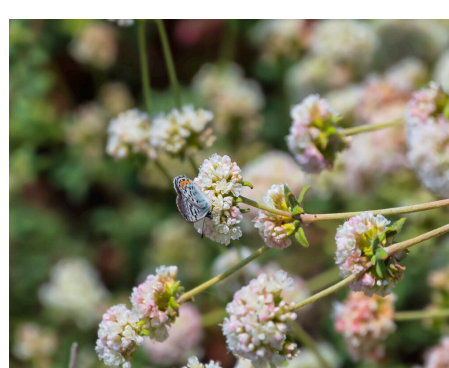
MOONSHINE YARROW



DWARF COYOTE BRUSH



BEACH PRIMROSE



DUNE BUCKWHEAT

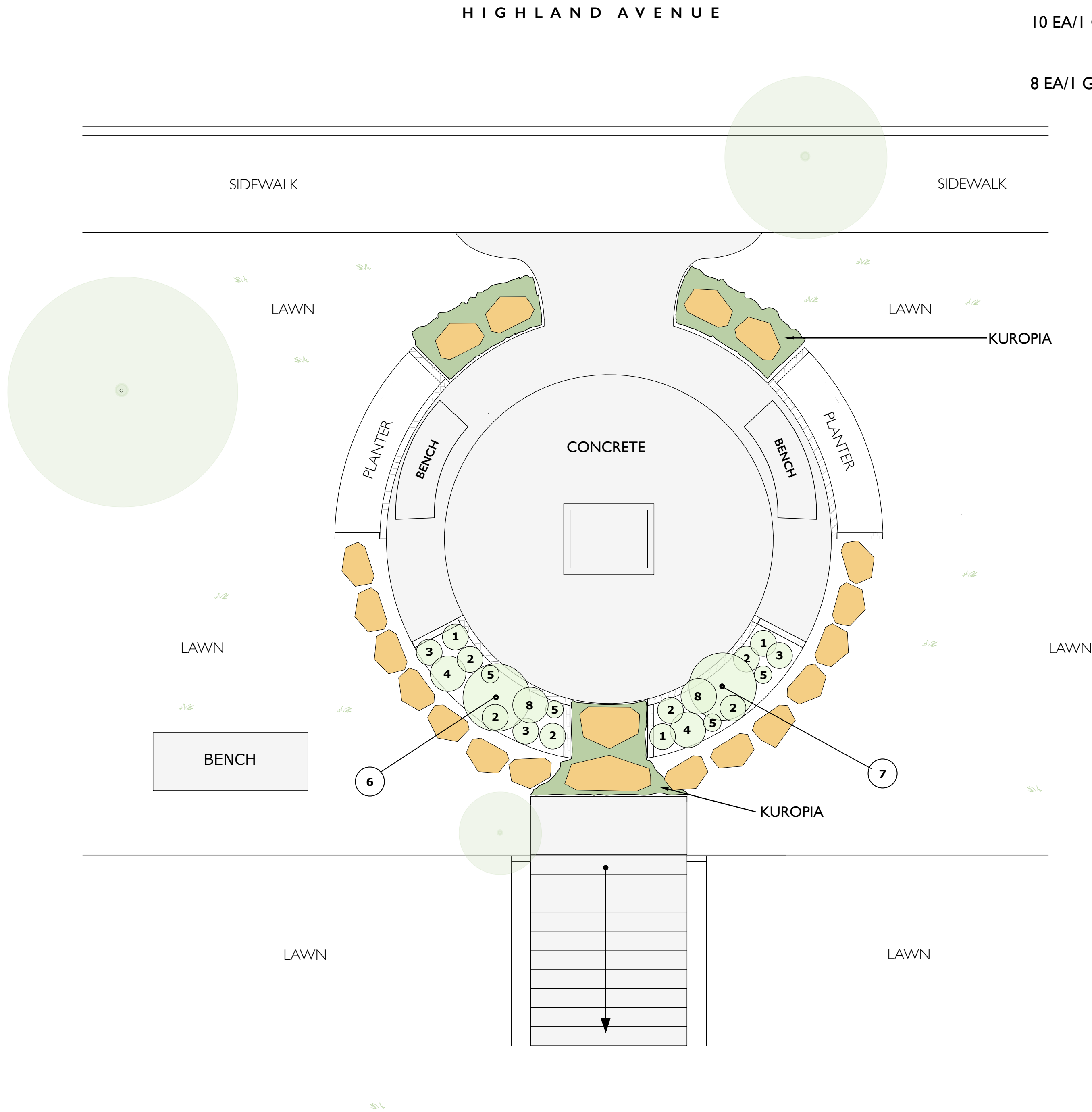
PLANT LEGEND NO.	QTY/SZ	BOTANICAL NAME	COMMON NAME
1	3 EA/1 GAL	ACHILLEA 'MOONSHINE'	MOONSHINE YARROW
2	6 EA/1 GAL	CAMISSONIOPSIS CHERANTHIFOLIA	BEACH PRIMROSE
3	3 EA/1 GAL	ERIGERON GLAUCUS 'BOUNTIFUL'	SEASIDE DAISY
4	2 EA/1 GAL	ERIOGONUM PARVIFOLIUM	COAST BUCKWHEAT
5	3 EA/1 GAL	ERIOGONUM 'GRANDE RUBESCENS'	RED BUCKWHEAT
6	1 EA/1 GAL	BACCARIS 'PIGEON POINT'	DWARF COYOTE BRUSH
7	1 EA/1 GAL	SALVIA 'BONBON'	BONBON DWARF SAGE
8	2 EA/1 GAL	EPILOBIUM CANUM	CALIF FUCHSIA

- 7 FLATS

- GROUND COVER:
KUROPIA IN FLATS - QTY TBD
- 10 EA/1 GAL

- NATIVE GRASS: SUBJECT TO AVAILABILITY
CAREX PRAEGRACILIS 'CHISAI' (CHISAI CALIFORNIA SEDGE)
- 8 EA/1 GAL

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



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MANHATTAN BEACH CALIFORNIA

PLANTING PLAN



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