

HARDSCAPE PLAN AND SITE DIMENSIONS

CONTRACTOR INSTALLATION NOTES

Contractor is responsible for installation & materials unless noted otherwise.

- SITE PREP. / CLEARING AND GRUB. UNCLASSIFIED EXCAVATION.**
 - REMOVE & DISPOSE OF SOIL IN CONCRETE AREA.
 - REFER TO DIMENSIONS.
 - GRADE SITE FOR PROPER DRAINAGE.
- CONCRETE.**
 - INSTALL CONCRETE AROUND EXISTING MONUMENT PLINTH, AS SHOWN ON PLAN.
 - APPLY TOP SURFACE RETARDER TO CONCRETE. POWER WASH SURFACE TO ESTABLISH EXPOSED AGGREGATE FINISH TO CITY'S SATISFACTION. SEE MATERIALS.
- 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 FOR IRRIGATION LINES IN RAISED BEDS. SEE PLAN AND MATERIALS FOR ADDITIONAL DETAILS.
- FLAGSTONE.**
 - INSTALL FLAGSTONE PAVERS IN LAWN - MATCH GRADEW/ ADJACENT NEW CONCRETE.
 - MORTAR SET INDIVIDUAL FLAGSTONES LEAVING APPROX. 4" GAPS BETWEEN EACH STONE.
- BENCHES. 2 EA. CITY WILL PROVIDE BENCHES**
 INSTALL BENCHES/ATTACH TO PCC - PROVIDE SUBMITTAL OF ATTACHMENT DETAIL.

HARDSCAPE MATERIALS

EST. QTYS ITEM

REFER TO BID SCHEDULE
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.

PLANTERS ALSO SEE PLANTER CORNER DETAIL E.

REFER TO BID SCHEDULE
BELGARD "BELAIR 2.0" MANUFACTURED STONE FOR PLANTERS.
 STACKED STONE IS TO RETAIN SOIL ON EDGES OF PLANTER ALONG WITH THE CORTEN STEEL.
 SECURE JOINTS BETWEEN MATERIALS. SEE PLAN.
 HEIGHT OF PLANTERS TO BE: 12" H
 SIZE OF EACH BELGARD STONE: 6"H x 10"L x 5"D
 LENGTH OF BELGARD STONE PLANTER OUTSIDE EDGE IN LINEAR FEET (LF):
A & B PLANTERS (2 EACH): 27'10" LF STONE EDGE (APPROX. 13' 11" LF EACH PLANTER)
C & D PLANTERS (2 EACH): 25'10" LF STONE EDGE (APPROX. 12' 11" LF EACH PLANTER)

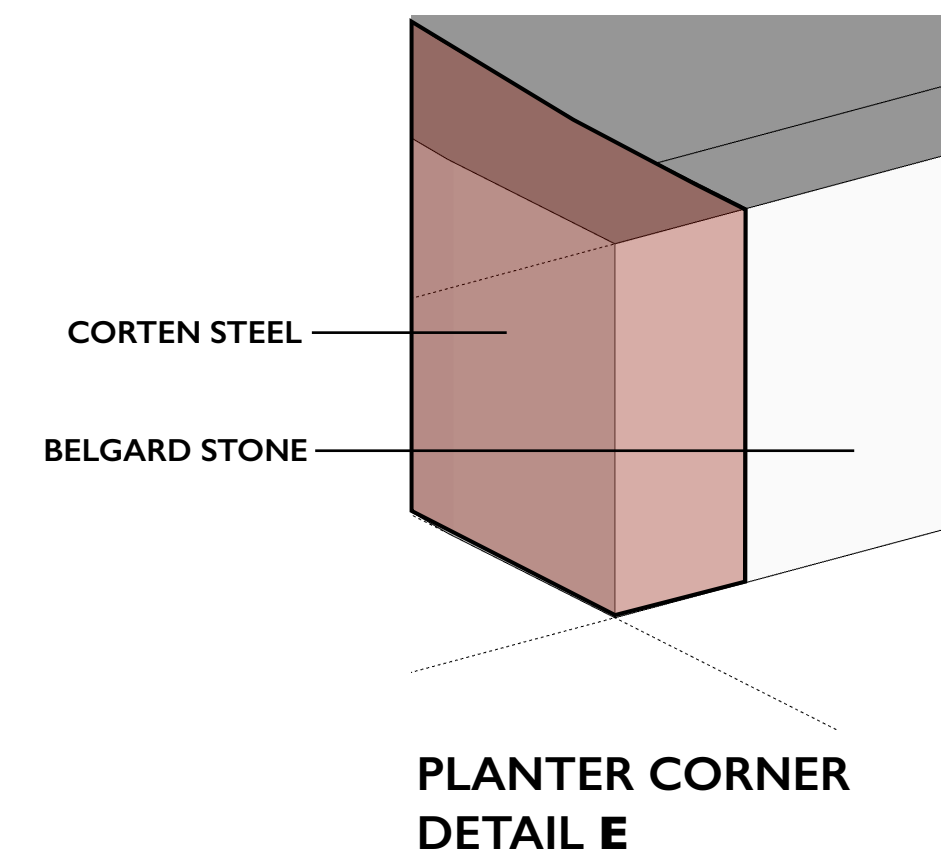
SEE BELAIR SPECS. ATTACHED.

REFER TO BID SCHEDULE
CORTEN (WEATHERING) STEEL FOR PLANTERS.
 CORTEN STEEL IS TO RETAIN SOIL ON EDGES OF PLANTER ALONG WITH THE BELGARD STONE.
 HEIGHT OF PLANTERS TO BE: 12" H
 LENGTH OF CORTEN STEEL OUTSIDE PLANTER EDGE IN LINEAR FEET (LF):
A & B EAST PLANTERS (2 EACH): 20' LF CORTEN EDGE (APPROX. 10' LF EACH PLANTER)
C & D WEST PLANTERS (2 EACH): 20' LF CORTEN EDGE (APPROX. 10' LF EACH PLANTER)
 INSTALL CORTEN ON OUTER LAWN EDGE ONLY. RECOMMENDED TO INSTALL CORTEN STEEL FIRST BEFORE BELGARD STONE. SEE PLAN.
 SECURE JOINTS BETWEEN MATERIALS. SEE PLAN.
 CORTEN STEEL HEIGHT: FROM 20-24" H SUFFICIENT TO BURY.
 WIDTH: MIN 16 GAUGE, COMMERCIAL GRADE WEATHERING STEEL.

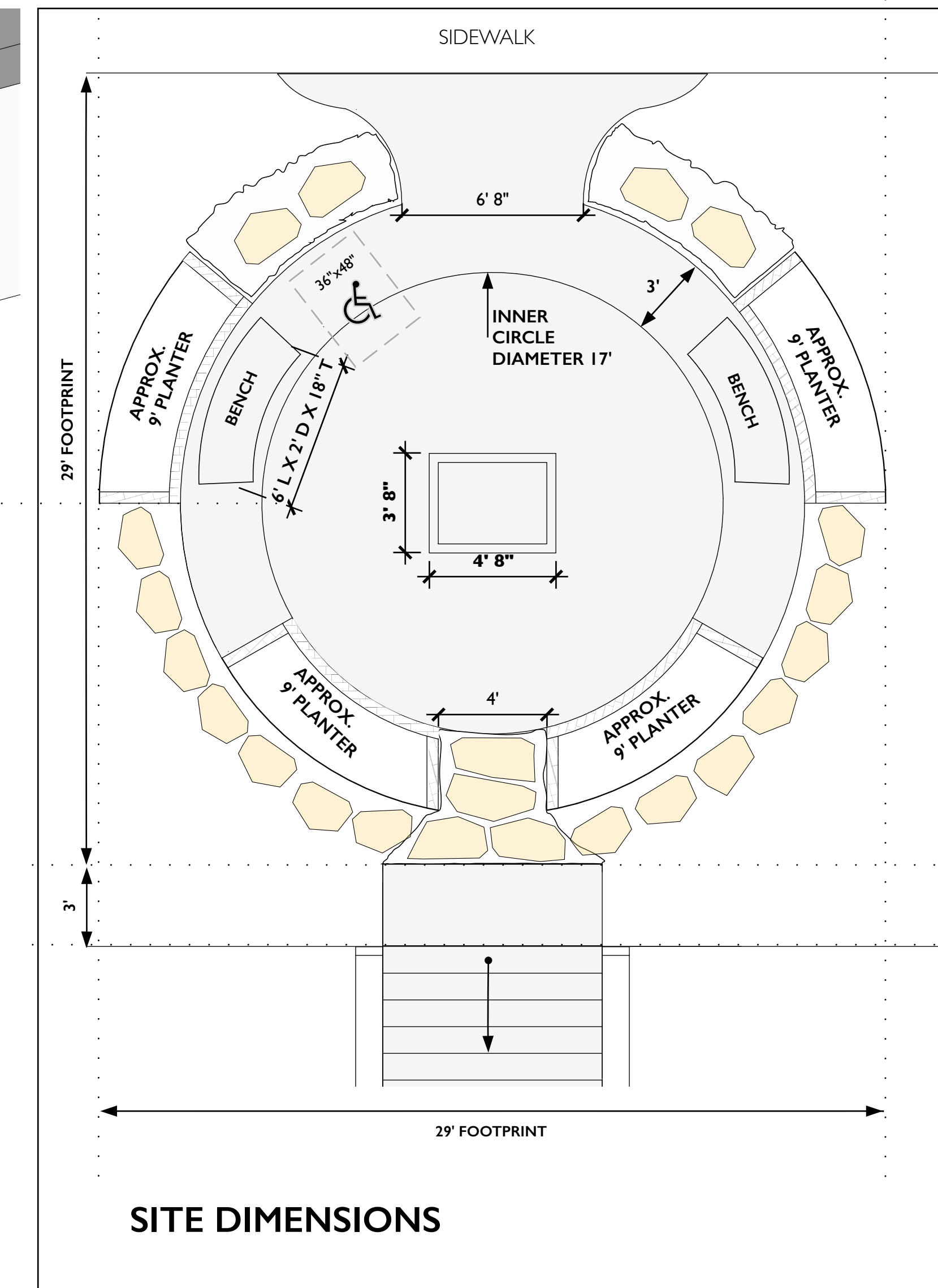
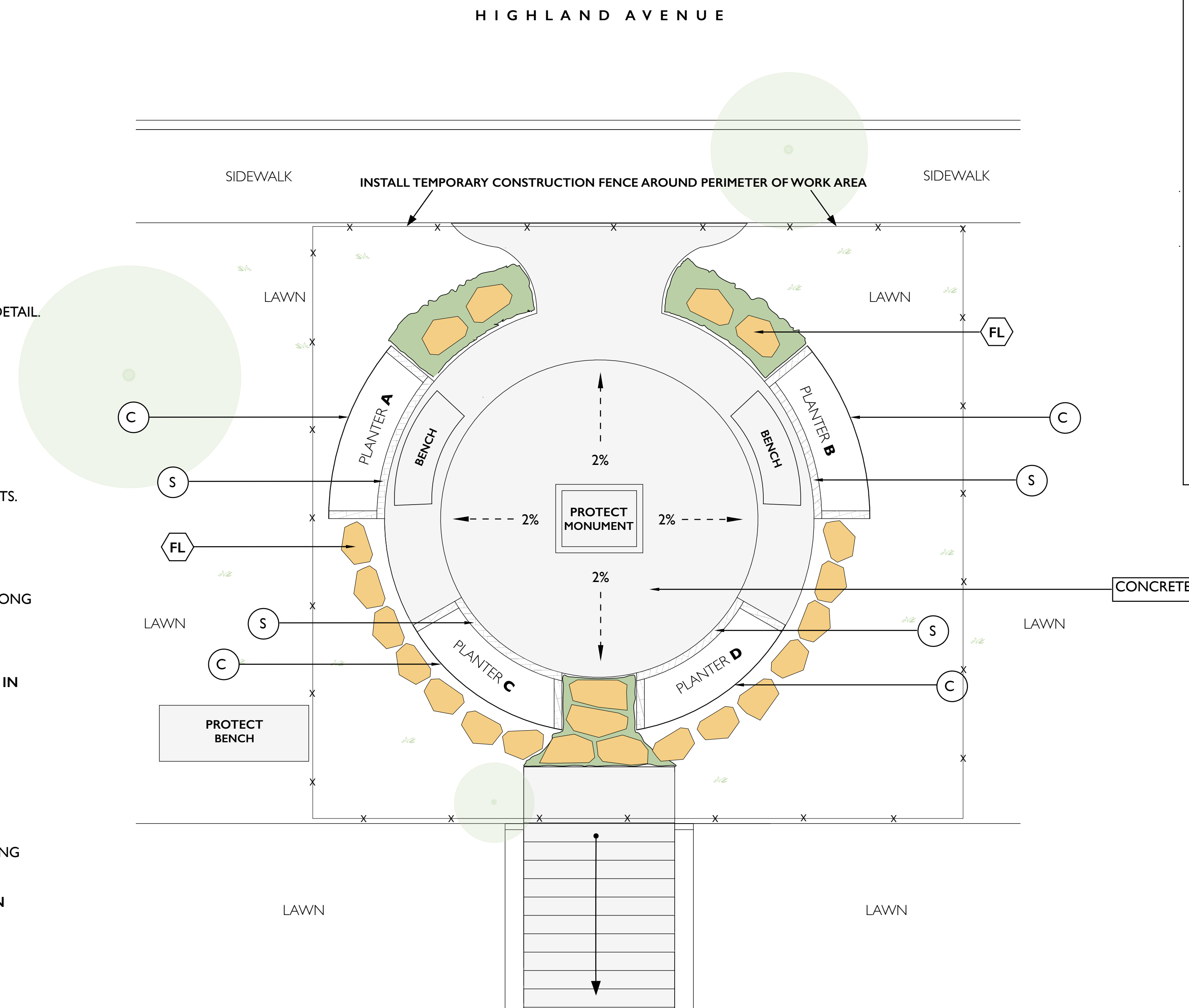
2 PALLETS
FLAGSTONE, SELECT GRADE, ARIZONA SELECT COLOR BUFF
 AVOID PALETTES WITH UNEVEN STONES. AVOID PINK IN SELECTION.
 3" - 4" MIN THICKNESS, APPROX. 18 - 23" L X 16 - 18" W

2 EA
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.

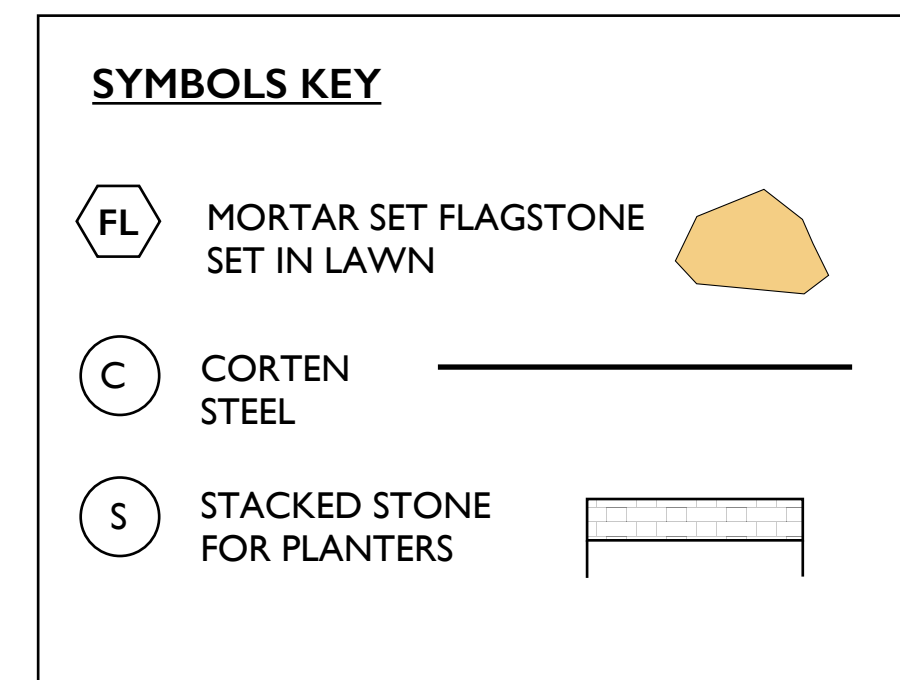
NOTE:
 ENVIROSCAPE LA HARDSCAPE DESIGNS ARE CONCEPTUAL, NOT A SUBSTITUTE FOR ENGINEERING, CONTRACTING OR ARCHITECTURAL PLANS. INC TO CONFIRM MEASUREMENTS, GRADE CHANGES & EXISTING ELEMENTS ON SITE BEFORE COMMENCING WORK.



PLANTER CORNER DETAIL E



SITE DIMENSIONS

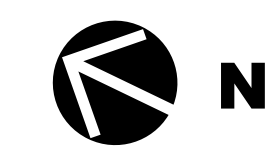


SYMBOLS KEY

- 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'

DATED: 19 JAN 2023

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

ENVIROSCAPE LA / MIKE GARCIA
 REDONDO BEACH CA
 PH 310 420.8507

PLANTING PLAN

CONTRACTOR INSTALLATION NOTES

Contractor is responsible for installation & materials unless noted otherwise.

- 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.
- PROVIDE AND INSTALL BARK-ONLY MULCH.**
- PLANT PREP. & INSTALLATION.** FOR CA NATIVE PLANTS.
 - 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.
- DRIP IRRIGATION.** DESIGN AND INSTALL DRIP IRRIGATION SYSTEM TO ALL FOUR RAISED PLANTERS AND BEDS. WORK WITH CITY TO INSTALL SYSTEM.
 - FOR CA NATIVE PLANTS, KUROIPIA 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.

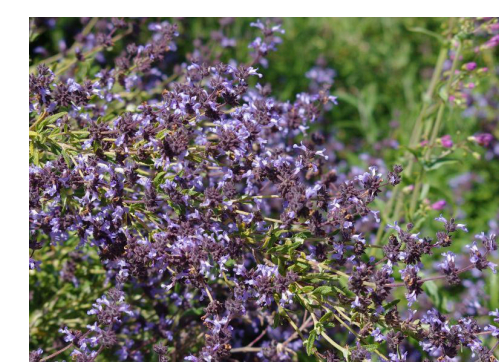
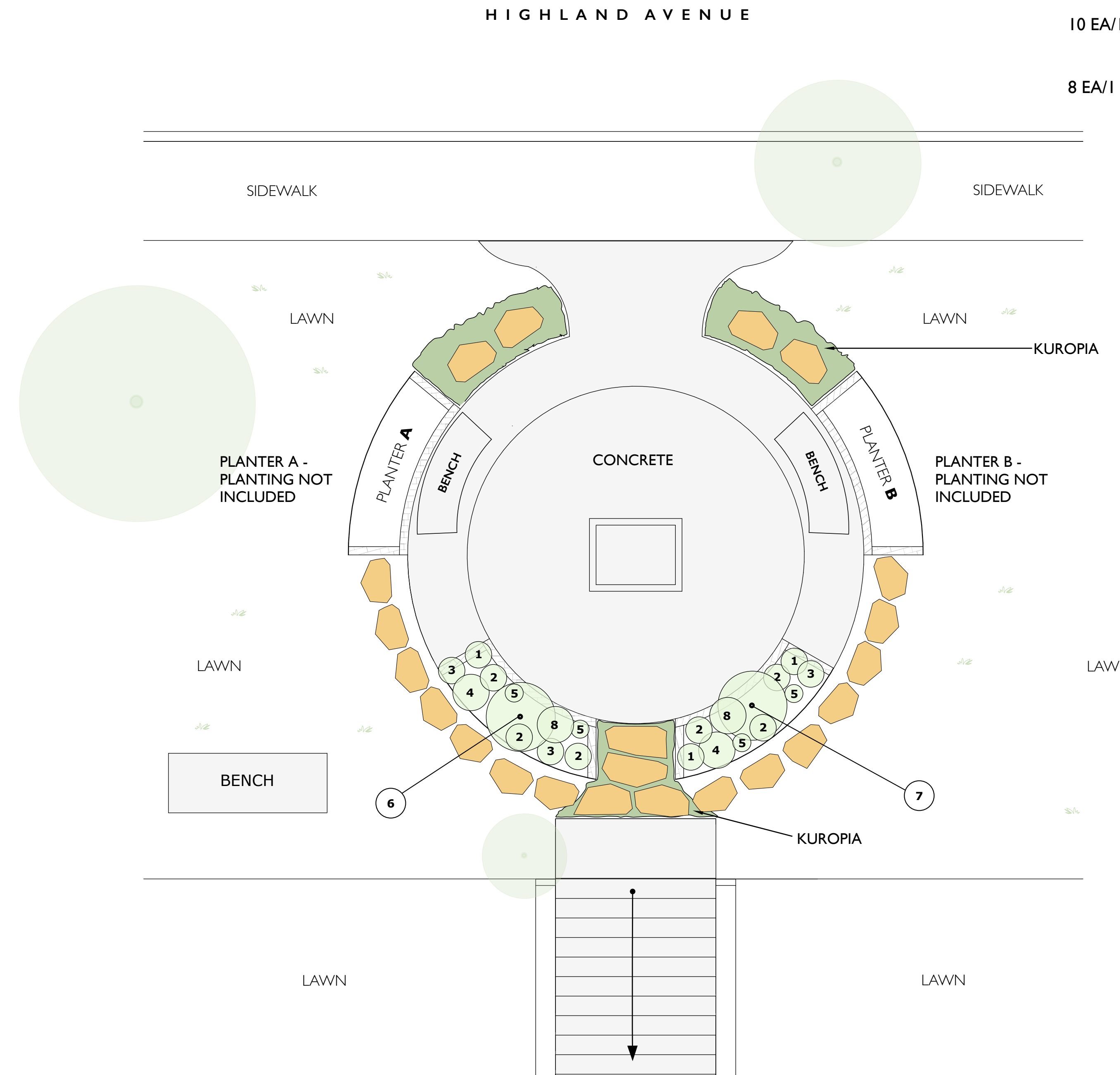
REFER TO LANDSCAPING MATERIALS.

LANDSCAPING MATERIALS

EST. QTYS	ITEM
REFER TO BID SCHEDULE	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: KUROIPIA 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. KUROIPIA.

PLANT 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: KUROIPIA 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



BONBON SAGE



CHISAI CA. SEDGE



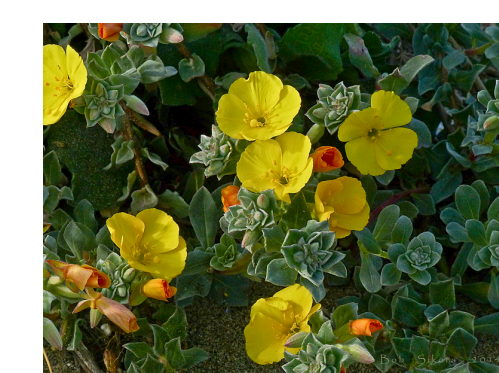
RED BUCKWHEAT



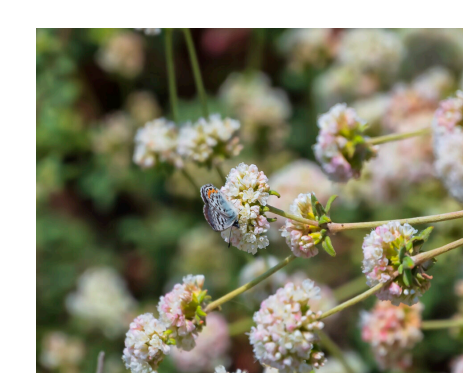
MOONSHINE YARROW



DWARF COYOTE BRUSH



BEACH PRIMROSE



DUNE BUCKWHEAT

BRUCE'S BEACH MEMORIAL GARDEN
 MANHATTAN BEACH CALIFORNIA

PLANTING PLAN



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