

CITY OF RANCHO PALOS VERDES

ABALONE COVE SHORELINE PARK IMPROVEMENTS

PROJECT NUMBER# 014412
 5970 PALOS VERDES DRIVE S
 RANCHO PALOS VERDES, CA 90275



REVISIONS:

NO.	DATE	ITEM

GENERAL NOTES:

- CONTRACTOR MUST VERIFY ALL DIMENSIONS IN FIELD AT START OF PROJECT. DRAWINGS ARE NOT BASED ON SITE SURVEY. REPORT ANY DISCREPANCY IMMEDIATELY TO PROJECT MANAGER.
- THESE NOTES SHALL BE USED IN CONJUNCTION WITH THE PLANS AND SPECIFICATIONS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CITY PROJECT MANAGER.
- ALL WORK SHALL BE PERFORMED ACCORDING TO CBC, CMC, CPC, CEC, ASTM D1557, ASTM D1556, ALL APPLICABLE CITY OF RANCHO PALOS VERDES STANDARDS, CITY ORDINANCE, CALIFORNIA ENERGY STANDARDS AND THE 2009 STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND ANY SUPPLEMENTS.
- THIS WORK SHALL BE INSTALLED BY A LICENSED CONTRACTOR C-27 WHO SHALL CARRY WORKMAN'S COMPENSATION, PUBLIC LIABILITY AND PROPERTY DAMAGE INSURANCE AS REQUIRED BY THE CITY OF RANCHO PALOS VERDES.
- CHECK FOR EXISTING UTILITY LOCATIONS PRIOR TO EXCAVATION WORK. NOTIFY PERTINENT UTILITIES AND UNDERGROUND SERVICE ALERT AT 8-1-1 TWO WORKING DAYS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY FOR COST INCURRED DUE TO DAMAGE AND REPLACEMENT OF SAID UTILITIES.
- THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE SHOWN IN THESE PLANS WAS OBTAINED BY A SEARCH OF AVAILABLE RECORDS. NO CERTIFICATION IS MADE AS TO ACCURACY OR THOROUGHNESS OF THESE RECORDS. APPROVAL OF THESE PLANS BY THE CITY OF RANCHO PALOS VERDES DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OF COMPLETENESS. LOCATION, THE EXISTENCE OR NON-EXISTENCE OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE WITHIN THE LIMITS OF THE PROJECT.
- CONTRACTOR SHALL ARRANGE AND PAY FOR ALL REQUIRED PERMITS PRIOR TO THE START OF CONSTRUCTION, AND ARRANGE AND PAY FOR ALL REQUIRED DEPUTY OR SPECIAL INSPECTIONS.
- CONTRACTOR SHALL PROVIDE PRELIMINARY AND FINAL LIEN RELEASES FROM ALL SUB-CONTRACTORS PRIOR TO FINAL PAYMENT.
- CONTRACTOR SHALL NOT WILLFULLY PROCEED WITH DEMOLITION OR CONSTRUCTION SHOWN WHEN IT IS OBVIOUS THAT UNKNOWN CONDITIONS, OBJECTS, OR GRADE CHANGES EXIST THAT MAY HAVE NOT BEEN KNOWN DURING THE PREPARATION OF THIS PLAN. SUCH CONDITIONS, OBJECTS, OR GRADE CHANGES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CITY REPRESENTATIVE. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTICE.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY POWER, WATER, AND LIGHTING AS REQUIRED TO PERFORM THE WORK. AT NO TIME DURING CONSTRUCTION SHALL WATER AND POWER BE TURNED OFF OR DISTURBED TO THE PARK FACILITY.
- UPON COMPLETION OF INSTALLATION AND ACCEPTANCE BY THE CITY, AN ESTABLISHMENT PERIOD SHALL COMMENCE, AND UPON WRITTEN VERIFICATION FROM THE PROJECT MANAGER THAT ESTABLISHMENT IS ACCOMPLISHED, A 90 DAY MAINTENANCE PERIOD SHALL COMMENCE. SAID MAINTENANCE SHALL CONCLUDE ONLY AFTER VERIFICATION OF LEAF-OUT, FALL COLOR, FLOWER COLOR, OVERALL PLANT HEALTH, AND WITH CITY ACCEPTANCE OF THE IMPROVEMENTS. MAINTENANCE SHALL INCLUDE WEEDING, IRRIGATION, PRUNING, FERTILIZING AND APPLYING SUCH SPRAYS AS ARE NECESSARY FOR PROPER CARE AND UPKEEP. MAINTENANCE ALSO INCLUDES ALL REPAIRS, REPLACEMENT, CLEANING AND ADJUSTING NECESSARY TO KEEP THE IRRIGATION SYSTEM IN GOOD WORKING ORDER WITH PROPER COVERAGE, REQUIRED PRIOR TO FINAL ACCEPTANCE OF THE WORK BY THE CITY.
- CONTRACTOR SHALL KEEP THE PREMISES CLEAN AND FREE OF EXCESS EQUIPMENT, MATERIALS AND RUBBISH INCIDENTAL TO THE WORK. ALL CONSTRUCTION DEBRIS SHALL BE CLEARED FROM THE SITE AT THE END OF EACH DAY.
- CONTRACTOR'S ON-SITE DUMPSTER MUST BE FROM THE CITY OF RANCHO PALOS VERDES APPROVED COMPANIES.
- ALL DEMOLISHED ITEMS SHALL BE DISPOSED OF PROPERLY AND IN ACCORDANCE WITH THE PROCEDURES STATED IN THE APPENDIX I, WASTE MANAGEMENT PLANNING FOR CONSTRUCTION AND DEMOLITION (C&D) PROJECTS, OF THE BID DOCUMENTS.
- APPLICATION OF ANY CHEMICALS SHALL BE BY STATE LICENSED PERSONNEL. ALL PESTICIDE APPLICATIONS REQUIRE A P.C.A. RECOMMENDATION.
- PRODUCTS THAT ARE DESIGNATED BY THE MANUFACTURER MAY BE SUBSTITUTED BY EQUAL PRODUCTS SUBJECT TO PRIOR WRITTEN APPROVAL OF THE CITY PROJECT MANAGER.
- CONSTRUCTION CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE SAFETY OF ALL PERSONS AND PROPERTY IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT TO BE LIMITED TO NORMAL WORKING HOURS. CONSTRUCTION CONTRACTOR AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONALS HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF THE WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A CONSTRUCTION SURVEY IF IT IS DEEMED NECESSARY.
- ALL THE WORK INCLUDED IN THE SCOPE MUST BE AMERICANS WITH DISABILITIES ACT (A.D.A.) COMPLIANT.
- CONTRACTOR SHALL FOLLOW THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP).
- CONTRACTOR SHALL INSTALL SAFETY FENCING AROUND PROJECT AREA PER DRAWINGS AND SPECIFICATIONS.
- WITH THE EXCEPTION OF THE CONSTRUCTION AREA, ABALONE COVE SHORELINE PARK SHALL REMAIN OPEN DURING CONSTRUCTION. CONTRACTOR SHALL PROVIDE SAFE PARKING AND PUBLIC ACCESS TO THE PARK.

SHEET INDEX:

- T-1 TITLE SHEET
- C1.10 EROSION CONTROL PLAN
- C1.30 GRADING PLAN
- L-1 SITE DEMOLITION PLAN
- L-2 CONSTRUCTION PLAN
- L-3.1 CONSTRUCTION LEGEND AND DETAILS
- L-3.2 CONSTRUCTION DETAILS
- L-4 PLANTING PLAN
- L-5 PLANTING LEGEND, NOTES AND DETAILS



VICINITY MAP

SITE



SITE MAP

SITE

CONTACTS:

CITY OF RANCHO PALOS VERDES
 DEPARTMENT OF PUBLIC WORKS
 30940 HAWTHORNE BOULEVARD
 RANCHO PALOS VERDES, CA 90275
 (310) 544-5252 PHONE
 (310) 544-5292 FAX

CITY PROJECT MANAGER:
 BINDU VAISH
 DEPARTMENT OF PUBLIC WORKS
 CITY OF RANCHO PALOS VERDES
 (310) 544-5252
 binduv@rpv.com

LANDSCAPE ARCHITECT:
 MELENDREZ
 617 S OLIVE STREET
 11TH FLOOR
 LOS ANGELES, CA 90014
 (213) 637-5000 PHONE
 (213) 637-5001 FAX
 MAIN CONTACT: JENNIFER PACKER
 jpacker@melendrez.com

CIVIL ENGINEER:
 KPFF CONSULTING ENGINEERS
 6080 CENTER DRIVE
 LOS ANGELES, CA 90045
 (310) 465-1536 PHONE
 MAIN CONTACT: JEFF BAUMGARDNER

UNDERGROUND SERVICE ALERT (USA) (800) 227-2600
 SOUTHERN CALIFORNIA EDISON COMPANY (310) 783-1156
 SOUTHERN CALIFORNIA GAS COMPANY (310) 687-2020
 CALIFORNIA WATER SERVICE COMPANY (310) 541-2438
 COUNTY OF LOS ANGELES,
 PUBLIC WORKS DEPARTMENT (STORM DRAIN) (626) 458-3109
 COUNTY OF LOS ANGELES,
 PUBLIC WORKS DEPARTMENT (SEWER) (626) 458-4357
 SANITATION DISTRICT OF LOS ANGELES COUNTY (562) 699-7411 X1205
 LOS ANGELES COUNTY SHERIFF'S DEPARTMENT (310) 539-1661
 LOS ANGELES FIRE DEPARTMENT (310) 830-3361

PROJECT:
 ABALONE COVE SHORELINE PARK
 IMPROVEMENTS

SHEET TITLE:
 TITLE SHEET

MELENDREZ
 James O'Neil Building, 11th Floor
 617 South Olive Street
 Los Angeles, California 90014
 213-637-4400
 213-637-4410
 www.melendrez.com

REGISTRATION:



PROJECT NO: 1305101.00
 SUBMITAL DATE: 06/07/2013
 PHASE: DESIGN DEVELOPMENT
 DESIGNED BY: AH
 DRAWN BY: JM / CK
 PLAN NO:

T-1

INTERIM DIRECTOR OF PUBLIC WORKS _____ DATE _____

SHEET NO: 01 OF 09



EROSION CONTROL NOTES

- ① FIBER ROLLS PER DETAIL _____, SHEET _____.
- ② SILT FENCE PER DETAIL _____, SHEET _____.

LEGEND

- FIBER ROLLS
- x-x-x-x-x- SILT FENCE
- LIMIT OF EROSION CONTROL

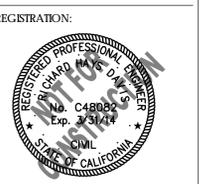


REVISIONS:

NO.	DATE	ITEM

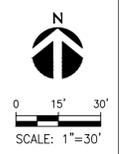
PROJECT NAME	SHEET TITLE
PROJECT:	SHEET TITLE:

kpff Consulting Engineers
 6080 Center Dr., Suite 700
 Los Angeles, California 90045
 (310) 665-2800 Fax (310) 665-9075



REGISTRATION:
PROJECT NO:
SUBMITAL DATE:
PHASE:
DESIGNED BY:
DRAWN BY:
PLAN NO:

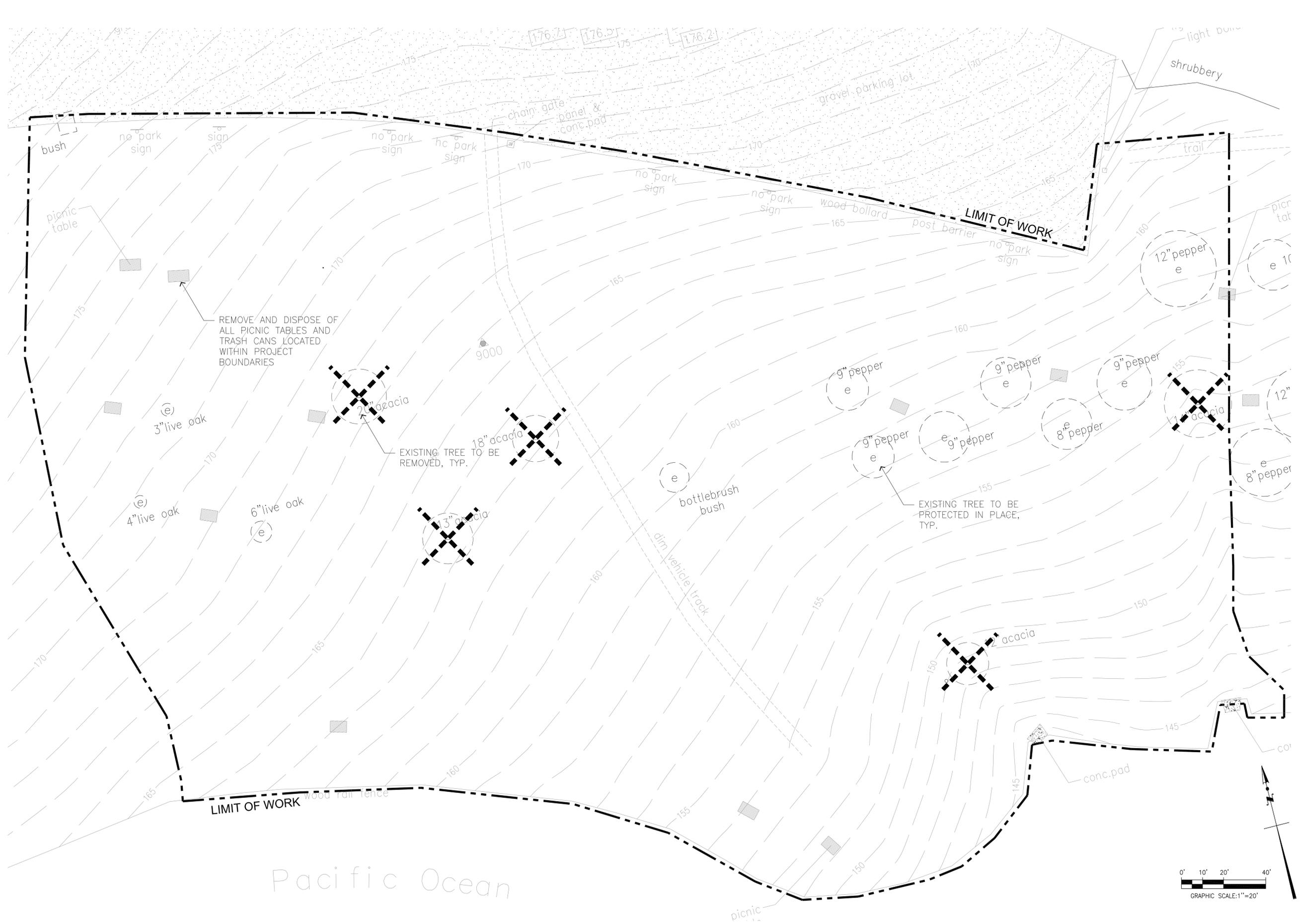
C1.10
 SHEET NO: X OF X





REVISIONS:

NO.	DATE	ITEM



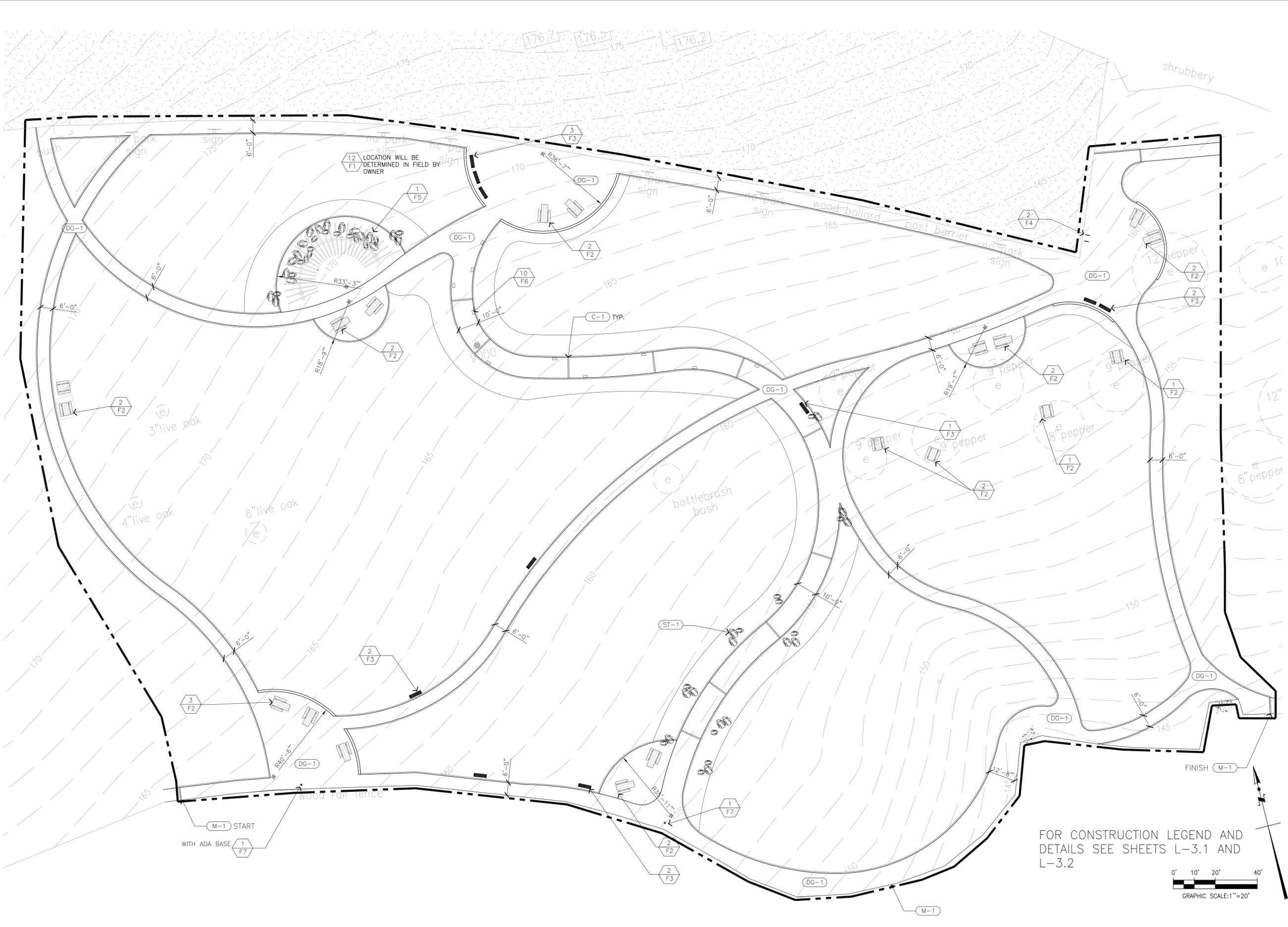
ABALONE COVE SHORELINE PARK
IMPROVEMENTS
SITE DEMOLITION PLAN

PROJECT:
SHEET TITLE:
MELÉNDREZ
James Owen Building, 11th Floor
417 South Olive Street
Los Angeles, California 90014
213-673-4400
213-607-4410
www.melendrez.com



PROJECT NO: 1305101.00
SUBMITAL DATE: 06/07/2013
PHASE: DESIGN DEVELOPMENT
DESIGNED BY: AH
DRAWN BY: JM / CK
PLAN NO:

L-1



REVISIONS:

NO.	DATE	ITEM

PROJECT: ABALONE COVE SHORELINE PARK IMPROVEMENTS

SHEET TITLE: CONSTRUCTION PLAN

MELÉNDREZ
 James Owen Building, 11th Floor
 417 South Olive Street
 Los Angeles, California 90014
 213.673.4400
 213.673.4410
 www.melendrez.com



REGISTRATION: LICENSED LANDSCAPE ARCHITECT
 No. 4933
 Signature: Jennifer Winters
 2-28-15
 Renewal Date: _____
 Date: _____

PROJECT NO: 1305101.00
 SUBMITAL DATE: 06/07/2013
 PHASE: DESIGN DEVELOPMENT
 DESIGNED BY: AH
 DRAWN BY: JM / CK
 PLAN NO:

L-2

SHEET NO: 05 OF 09

SITE FURNISHING SCHEDULE

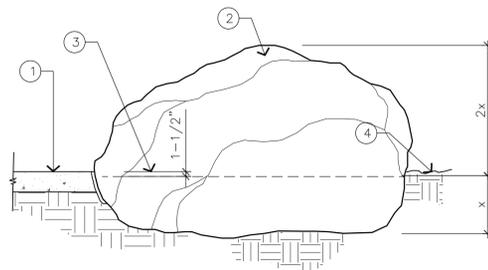
KEY	DESCRIPTION	MODEL #	COLOR / FINISH	SOURCE / CONTACT INFO	QTY.	COMMENTS
F1	TRASH RECEPTACLE	CDP-2060 TOP OPENING AND LINER	GRAY MATRIX / SMOKEY GRAY ROCK	CUSTOM DESIGN PRECAST (888.355.1387) OR APPROVED EQUAL	12	INSTALL PER MANUFACTURERS RECOMMENDATIONS CONTRACTOR FURNISH, CONTRACTOR INSTALL
F2	PICNIC TABLE W/ SEATS	REFER TO DETAIL 3, L-3.2	SEALED	N/A	19	LAYOUT TO BE APPROVED IN FIELD BY LANDSCAPE ARCHITECT PROVIDE (6) ADA TABLE CONTRACTOR FURNISH, CONTRACTOR INSTALL
F3	BENCH	PALISADE	BLACK LOCUST	LANDSCAPE FORMS DIST. BY CHAPARRAL LINE LARRY CASEY (818.761.0655) OR APPROVED EQUAL	10	INSTALL PER MANUFACTURERS RECOMMENDATIONS CONTRACTOR FURNISH, CONTRACTOR INSTALL
F4	BIKE RACK	INVERTED U	BLACK POWDERCOAT	CYCLESAFE, INC. (888.950.6531) OR APPROVED EQUAL	2	INSTALL PER MANUFACTURERS RECOMMENDATIONS CONTRACTOR FURNISH, CONTRACTOR INSTALL
F5	SHADE STRUCTURE	GRE-30 REFER TO DETAIL 4, L-3.2	WHITE	POLYGON DIST. BY MIRACLE PLAYGROUND SALES SOUTH (800.264.7225) OR APPROVED EQUAL	1	INSTALL PER MANUFACTURERS RECOMMENDATIONS CONTRACTOR FURNISH, CONTRACTOR INSTALL
F6	FOSSIL DIG DIGGABLE PLAY	#170791A - T-REX BONES #120292A - SEA SHELLS #170793A - DINO EGGS	N/A	LANDSCAPE STRUCTURES (800.328.0035) OR APPROVED EQUAL	10	INSTALL PER MANUFACTURERS RECOMMENDATIONS CONTRACTOR FURNISH, CONTRACTOR INSTALL
F7	COIN-OPERATED TELESCOPE	MARK 1 (PROVIDE ONE WITH ADA BASE)	HAMMER GRAY POWDERCOAT	SEACOAST MANUFACTURING COMPANY, INC. (800.343.8882) OR APPROVED EQUAL	2	INSTALL PER MANUFACTURERS RECOMMENDATIONS CONTRACTOR FURNISH, CONTRACTOR INSTALL

FINISH SCHEDULE

KEY	MATERIAL	COLOR/MANUF.	FINISH	COMMENTS
C-1	CONCRETE STRIP	NATURAL GREY CONCRETE	EMBEDDED FOSSILS	REFERENCE DETAIL 1, SHEET L-3.2
ST-1	BOULDERS	ARROWWOOD - DISTRIBUTED BY SOUTHWEST BOULDER AND STONE OR APPROVED EQUAL	-	60% 30"x30", 20% 48"x48", 20% 72"x72" REFERENCE DETAIL 3, SHEET L-3.1
DG-1	DECOMPOSED GRANITE	CALIFORNIA GOLD DISTRIBUTED BY GAIL PRODUCTS OR APPROVED EQUAL	-	ACCESSIBLE PATHS STABILIZED - REF. SPECS. AND DETAIL 1, SHEET L-3.1
M-1	1/4" CABLE RAIL	FEENEY INC. (800.264.7225)	-	REPLACE EXISTING POSTS EVERY 50'-0" WITH 4X6 WOOD POST. INSTALL 3 ROWS OF CABLE RAIL PER DETAIL 2, SHEET L-3.2
M-2	METAL HEADER	PERMALOC PERMASTRIP	BLACK DURAFLEX	REFERENCE DETAIL 1, SHEET L-3.1

KEYNOTE LEGEND

SITE FURNISHINGS		QUANTITY
		SITE FURNISHING SCHEDULE REFERENCE KEY NUMBER
FINISH SURFACE KEY		
BENCH		
ALIGN		
DIRECTION - DRAINAGE		
PICNIC TABLE		
ADA ACCESSIBLE PICNIC TABLE		
TELESCOPE		
BIKE RACK		
BOULDER		
TRELLIS		



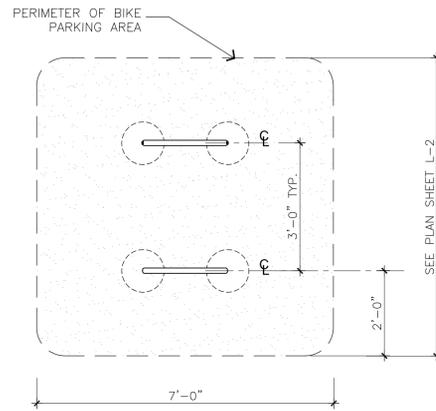
LEGEND

1. DECOMPOSED GRANITE PAVING
2. BOULDER
3. 1-1/2" IN GROUND COVER/SHRUB AREAS.
4. FINISH GRADE

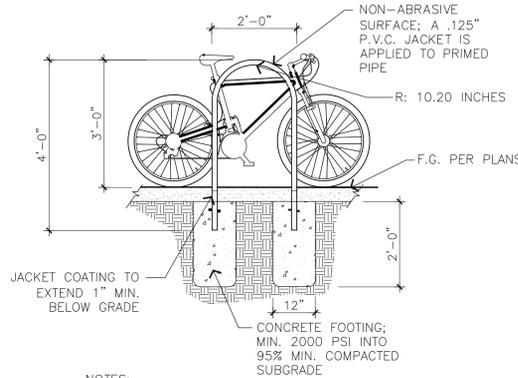
CONTRACTOR TO PROVIDE (36) 3' X 3' X 3', (12) 4' X 4' X 4' AND (12) 6' X 6' X 6' AS SUPPLIED BY SOUTHWEST BOULDER. ARROWWOOD BOULDERS OR APPROVED EQUAL. BOULDERS TO BE LOCATED IN FIELD BY LANDSCAPE ARCHITECT AND / OR OWNER.

PRIOR TO PURCHASE OF BOULDERS, CONTRACTOR TO PROVIDE SAMPLE BOULDER FOR REVIEW AND APPROVAL BY LARCH AND OWNER.

3 BOULDER INSTALLATION
1" = 1'-0"



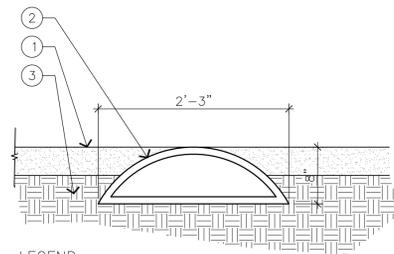
TYPICAL PLAN



NOTES:

1. MANUFACTURER: CYCLE-SAFE WWW.CYCLESAFE.COM PHONE: 888.950.6531
2. MODEL# U/2 - BICYCLE RACK PART #12700; 1-1/2" INTERIOR DIA. SCHEDULE 40 PIPE ROLLED IN THE SHAPE OF AN INVERTED "U" TO A 24" OUTSIDE RADIUS STANDING 36" HIGH. COATING TO BE PLASTISOL RUBBERIZED APPLYING 12-20 MILS THICK JACKET. STANDARD COLOR: BLACK TEXTURE: REGULAR GRAIN. GLOSS-SEMI GLOSS. TENSILE STRENGTH: 1800 PSI MIN. IN-GROUND (G) MOUNT.
3. QUANTITY: PER PLANS
4. SEAL HEX SOCKET WITH CANDLE WAX OR DUCT TAPE TO PROTECT (PER MANUFACTURER'S SPECS)

5 FOSSIL DIG
1" = 1'-0"



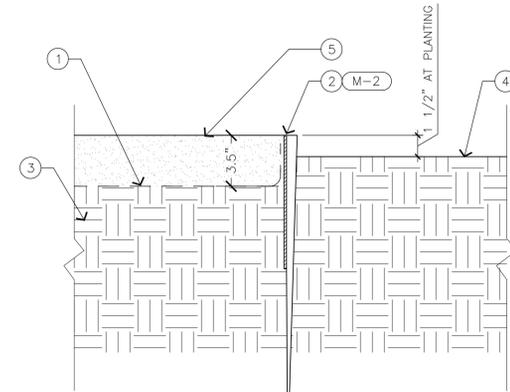
LEGEND:

1. DECOMPOSED GRANITE
2. FOSSIL DIG AS PROVIDED BY LANDSCAPE STRUCTURES, INC.
3. COMPACTED SUBGRADE.

NOTE: FOSSIL DIG TO BE LOCATED IN FIELD BY LANDSCAPE ARCHITECT AND / OR OWNER.

4 BIKE RACK
1/2" = 1'-0"

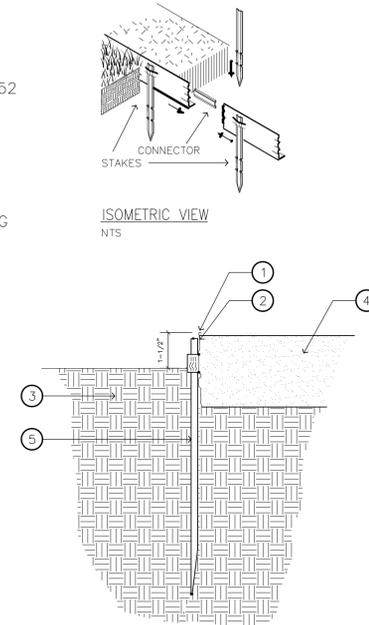
1 DECOMPOSED GRANITE
1-1/2" = 1'-0"



LEGEND:

1. WEED BARRIER / SOIL SEPARATOR FABRIC, PER SPECIFICATIONS
2. METAL HEADER
3. COMPACTED SUBGRADE TO 90%
4. PLANTING AREA
5. DECOMPOSED GRANITE PAVING PER FINISH SCHEDULE

2 METAL HEADER
3" = 1'-0"



LEGEND:

1. PERMALOC PERMASTRIP ALUMINUM EDGING
2. TOP OF EDGING TO BE MAXIMUM OF 1/2" (12.7MM) ABOVE SURFACE MATERIAL
3. COMPACT GRADES ADJACENT TO EDGING TO AVOID SETTLING
4. MULCH PLANTING AREA
5. 12" ALUMINUM STAKES TO LOCK INTO PREFORMED LOOPS ON THE EDGING

NOTES:

- A. INSTALL PER MANUFACTURER'S "INSTALLATION GUIDELINES"
- B. 8'-0" (2.44 M) SECTIONS TO INCLUDE (3) 12" (305 MM) ALUMINUM STAKES.
- C. 16'-0" (4.88 M) SECTIONS TO INCLUDE (8) 12" (305 MM) ALUMINUM STAKES.
- D. CORNERS: NOTCH BASE ONLY AND FORM A CONTINUOUS CORNER.



REVISIONS:

NO.	DATE	ITEM

ABALONE COVE SHORELINE PARK IMPROVEMENTS

CONSTRUCTION LEGEND AND DETAILS

PROJECT:

SHEET TITLE:

MELÉNDREZ
James Owen Building, 11th Floor
417 South Olive Street
Los Angeles, California 90014
F 213.673.4400
F 213.607.4410
www.melendrez.com

REGISTRATION:



PROJECT NO: 1305101.00

SUBMITAL DATE: 06/07/2013

PHASE: DESIGN DEVELOPMENT

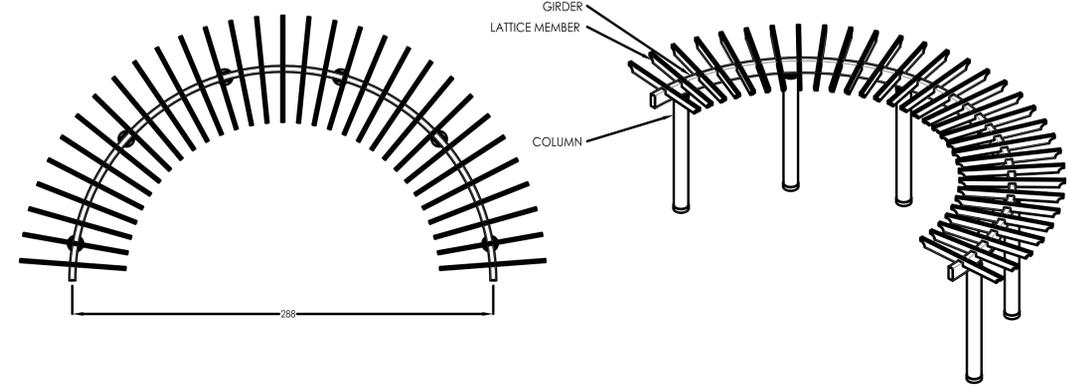
DESIGNED BY: AH

DRAWN BY: JM / CK

PLAN NO:

L-3.1

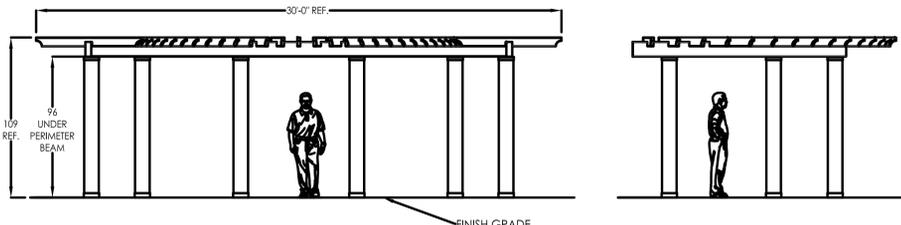
SHEET NO: 06 OF 09



NOTE: THIS IS A
PLANNING LEVEL DRAWING.
 THE STRUCTURE SHOWN IS SUBJECT TO ON-GOING DESIGN REVIEW AND UPDATE. EXPECT SOME CHANGES TO MATERIAL SIZES AND GENERAL DIMENSIONS. ONLY USE DRAWINGS PROVIDED WITH ENGINEERED STRUCTURES FOR CONSTRUCTION.

SEE FINISHES / ROOFING PAGE FOR:
 • FRAME FINISH OPTIONS
 • POWDER COAT AND ROOFING COLOR SELECTION
 • TONGUE & GROOVE, STRUCTURAL INSULATED PANEL AND METAL ROOF OPTIONS
 • OTHER ROOFING OPTIONS

SEE ORNAMENTATION PAGE FOR:
 • ORNAMENTATION PATTERNS
 • RAILING PATTERNS
 • COLUMN OPTIONS



FRAME AND ORNAMENTATION FINISH:
 MEMBERS SHOT BLASTED TO NEAR WHITE CONDITION (SSPC SP-10), WASHED AND SEALED IN A PHOSPHATE SPRAY, COATED WITH SUPER DURABLE TGIC POLYESTER POWDER AND OVEN CURED.

SEE COLOR MATRIX FOR AVAILABLE COLORS.

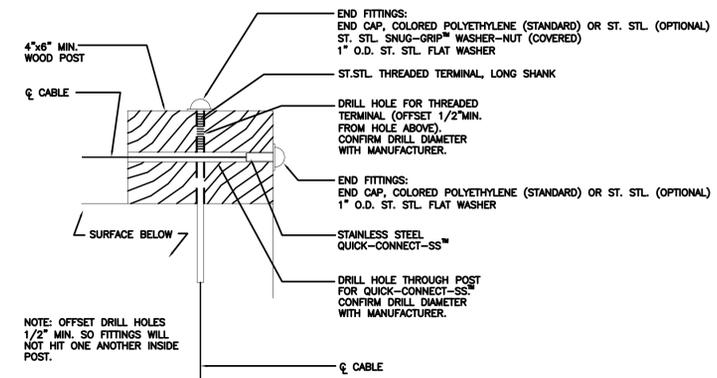
OPTIONAL UNDERCOAT:
 EPOXY E-COAT SYSTEM, USING FULL IMMERSION ELECTRO-DEPOSITION PROCESS.

SHELTER MODEL:
GRECO 30
GRE-30

SCALE: 1:58 REV LEVEL: A DATE: 10/15/2008

by **PORTERORP**
 PORTERORP 4245 N. 136th AVE. HOLLAND, MI 49424
 www.poligon.com 800-354-7721

ELEVATION VIEWS



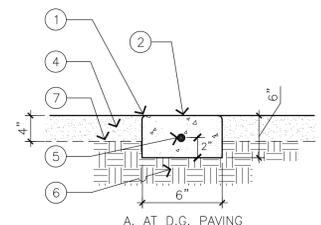
NOTE: OFFSET DRILL HOLES 1/2" MIN. SO FITTINGS WILL NOT HIT ONE ANOTHER INSIDE POST.

REPLACE EXISTING POST WITH A SINGLE 4"x6" CORNER POST EVERY 50'-0". CABLES MUST BE TERMINATED NEW 4"x6" SINGLE POST.

MAINTAIN 10'-0" MAX. SPACING BETWEEN POSTS PICKETS TO MINIMIZE CABLE DEFLECTION. MAINTAIN 50'-0" MAX. SPACING BETWEEN TERMINATION (NEW) POSTS TO MINIMIZE CABLE DEFLECTION.

NOTE: BUILDING CODES VARY BY CITY & COUNTY. FOLLOWING THE INSTALLATION AND RAILING DESIGN INSTRUCTIONS AS DETAILED IN THIS DRAWING DOES NOT GUARANTEE CODE COMPLIANCE IN ALL AREAS. BEFORE STARTING THE PROJECT, CHECK WITH LOCAL REQUIREMENTS FOR USING AND INSTALLING CABLE RAILINGS.

2 CABLE RAIL FENCING
 N.T.S.



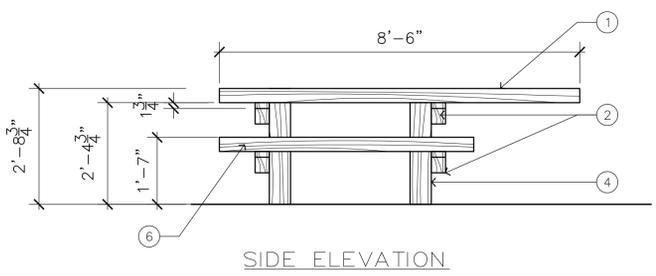
- LEGEND:**
- 1/2" RADIUS EDGE (TYP.)
 - CONCRETE HEADER, NATURAL GREY WITH MEDIUM SANDBLAST FINISH WITH IMPRINTED PLANT MATERIALS.
 - PLANTING AREA
 - DECOMPOSED GRANITE PAVING
 - #4 BAR CONTINUOUS (TYP.)
 - 95% COMPACTED SUB-GRADE
 - WEED BARRIER / SOIL SEPARATOR FABRIC

NOTE:
 A. PROVIDE 1/4" EXPANSION JOINT (E.J.) @ 15' O.C. W/ 5'-0" O.C. SAW-CUT JOINTS.
 B. PROVIDE 6" X 10' LONG MOCK-UP FOR REVISION AND APPROVAL.

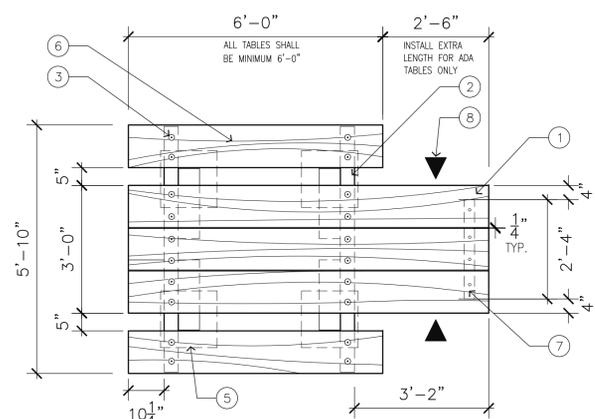
1 CONCRETE HEADER
 N.T.S.

- LEGEND:**
- TABLE TOP: 4X12 DOUGLAS FIR STRUCTURAL GRADE #1
 - CROSS SUPPORTS: 4X6 DOUGLAS FIR STRUCTURAL GRADE #1
 - 1/2" CARRIAGE BOLTS, COUNTERSUNK AND PLUGGED (VERIFY)
 - LEGS: 6 X 6 DOUGLAS FIR STRUCTURAL GRADE #1
 - 16" X 16" X 4" PRECAST CONCRETE BASE (ONE PER LEG); AVAILABLE FROM LOCAL CONCRETE SUPPLIERS. SET ATOP 90% MIN. COMPACTED SUBGRADE
 - SEATS: 4X12 DOUGLAS FIR STRUCTURAL GRADE #1
 - 1/4" X 3" GALVANIZED METAL FLAT BAR (ON UNDERSIDE) TO STABILIZE TABLE TOP; VERIFY METHOD OF ATTACHMENT.
 - ADA ACCESSIBLE LOCATION
 - FINISHED GRADE -- SEE L1.00 FOR SURFACE MATERIAL

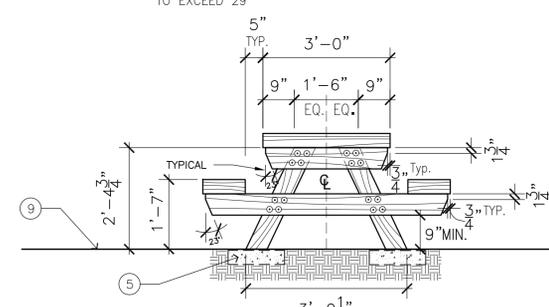
NOTES: PROVIDE 1/2" RADIUS ON ALL FOUR SIDES OF HORIZONTAL MEMBERS
 DISTANCE FROM FINISHED GRADE TO BOTTOM OF TABLE TOP NOT TO EXCEED 29"



SIDE ELEVATION

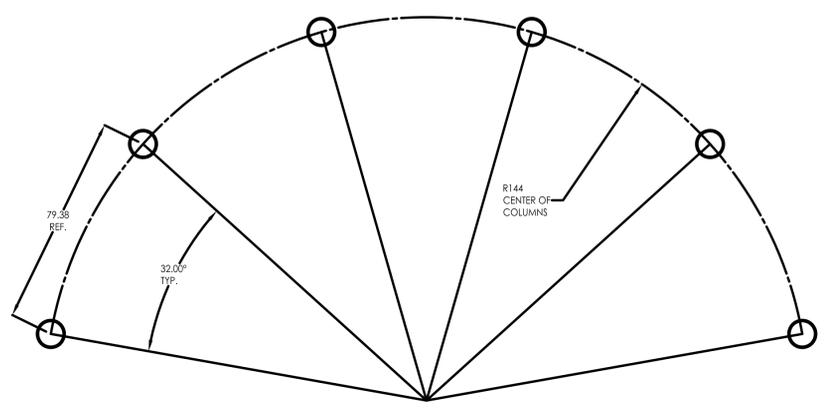


PLAN VIEW



SIDE ELEVATION

3 PICNIC TABLE
 1/2" = 1'-0"



NOTE: THIS IS A
PLANNING LEVEL DRAWING.
 THE STRUCTURE SHOWN IS SUBJECT TO ON-GOING DESIGN REVIEW AND UPDATE. EXPECT SOME CHANGES TO MATERIAL SIZES AND GENERAL DIMENSIONS. ONLY USE DRAWINGS PROVIDED WITH ENGINEERED STRUCTURES FOR CONSTRUCTION.

REFER TO ANCHOR AND FOOTING DOWNLOAD SHEETS FOR GENERAL INFORMATION ON BOTH ANCHOR ATTACHMENT AND TYPICAL FOOTING TYPES. ANCHOR ATTACHMENT AND FOOTING DESIGNS ARE SITE AND SITUATION SPECIFIC AND ARE INTEGRAL TO THE FINAL SHELTER DESIGN.

DO NOT FOUR FOOTING OR INSTALL ANCHOR BOLTS WITHOUT JOB SPECIFIC ANCHOR AND FOOTING DESIGN DRAWINGS.

ALL POLYGON COLUMN ANCHORING SYSTEMS ARE OSHA COMPLIANT.

4 SHADE STRUCTURE
 N.T.S.

SHELTER MODEL:
GRECO 30
GRE-30

SCALE: 1:32 REV LEVEL: A DATE: 10/15/2008

by **PORTERORP**
 PORTERORP 4245 N. 136th AVE. HOLLAND, MI 49424
 www.poligon.com 800-354-7721

COLUMN LAYOUT



REVISIONS:

NO.	DATE	ITEM

ABALONE COVE SHORELINE PARK IMPROVEMENTS

CONSTRUCTION DETAILS

PROJECT:

SHEET TITLE:

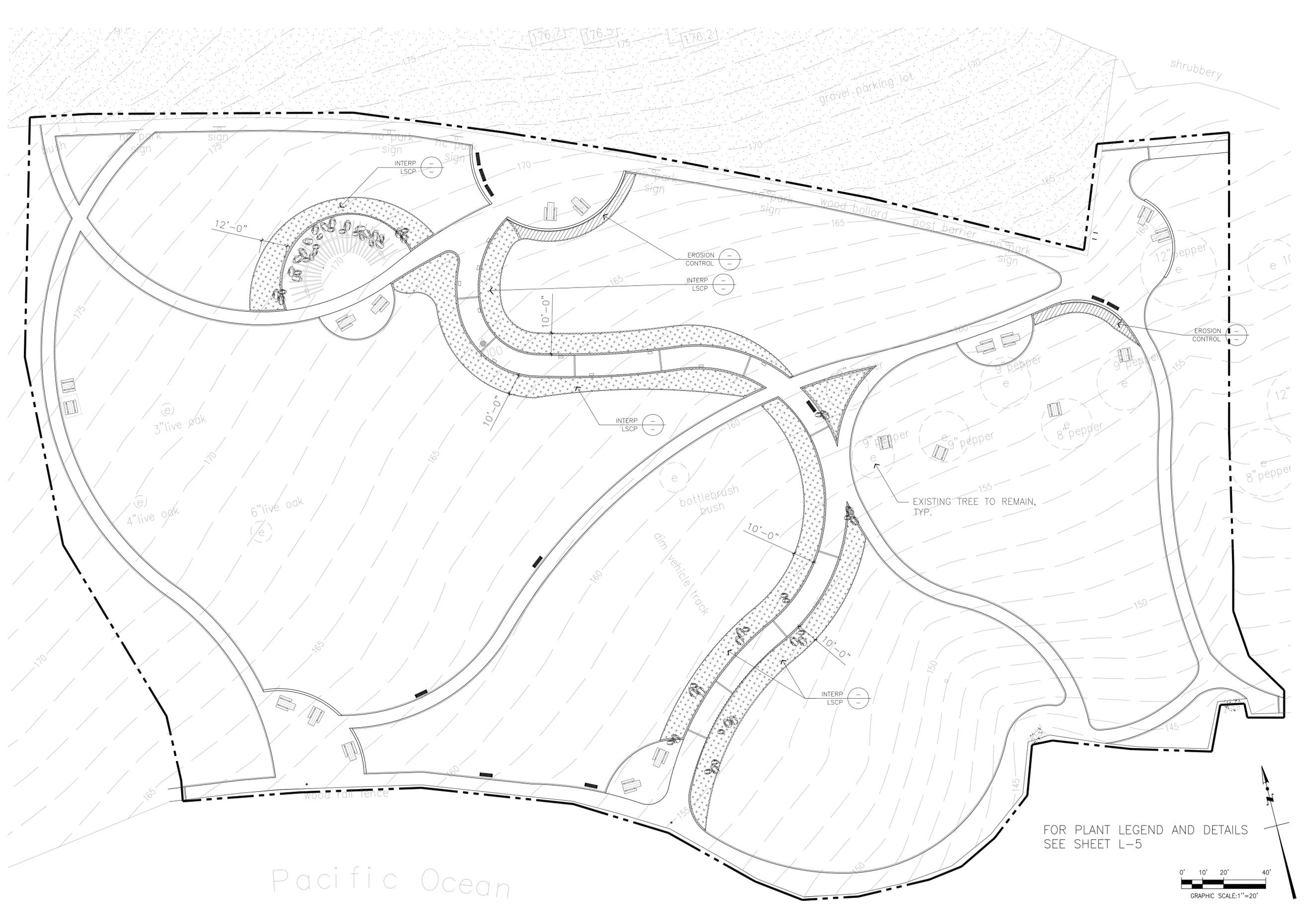
MELÉNDREZ
 James Owen Building, 11th Floor 215-673-4400
 417 South Olive Street 215-673-4410
 Los Angeles, California 90014 www.melendrez.com

REGISTRATION:



PROJECT NO: 1305101.00
 SUBMITAL DATE: 06/07/2013
 PHASE: DESIGN DEVELOPMENT
 DESIGNED BY: AH
 DRAWN BY: JM / CK
 PLAN NO:

L-3.2



REVISIONS:

NO.	DATE	ITEM

PROJECT: ABALONE COVE SHORELINE PARK IMPROVEMENTS

SHEET TITLE: PLANTING PLAN

MELÉNDREZ
 James Owen Building, 11th Floor
 417 South Olive Street
 Los Angeles, California 90014
 213.673.4400
 213.607.4410
 www.melendrez.com



REGISTRATION:

PROJECT NO: 1305101.00

SUBMITAL DATE: 06/07/2013

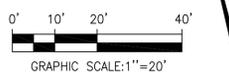
PHASE: DESIGN DEVELOPMENT

DESIGNED BY: AH

DRAWN BY: JM / CK

PLAN NO:

FOR PLANT LEGEND AND DETAILS
 SEE SHEET L-5

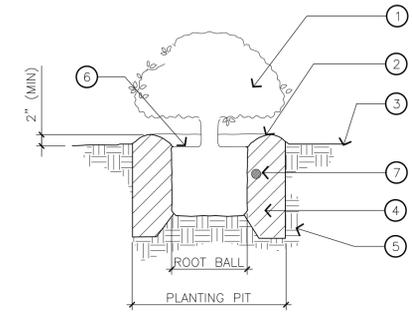
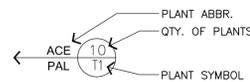


L-4

PLANTING LIST						
SYMBOL	ABBREV.	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS	DIMENSIONS AT FULL GROWTH (height x width)
EROSION CONTROL LANDSCAPE						
S1	BAC PIL	BACCHARIS PILULARIS 'PIGEON POINT'	COYOTE BRUSH	1 GAL	24" O.C.	12" x 12'-0"
S2	DIP AUR	DIPLACUS AURANTIACUS	STICKY MONKEY FLOWER	1 GAL	24" O.C.	3'-0" x 3'-0"
S3	RHU INT	RHUS INTEGRIFOLIA	LEMONADE BERRY	1 GAL	24" O.C.	6'-0" x 10'-0"
INTERPRETIVE LANDSCAPE						
S4	ANE CAL	ANEMOPSIS CALIFORNICA	YERBA MANSA	1 GAL	10" O.C.	12" x 12"
S5	ARC CAT	ARCTOSTAPHYLOS CATALINAE	SANTA CATALINA ISLAND MANZANITA	1 GAL	60" O.C.	3'-0" x 3'-0"
S6	COR GIG	COREOPSIS GIGANTEA	GIANT COREOPSIS	1 GAL	12" O.C.	3'-0" x 12"
S7	COR MAR	COREOPSIS MARITIMA	SEA DAHLIA	1 GAL	12" O.C.	18" x 12"
S8	DES CES	DESCHAMPSIA CESPITOSA SPP. CESPITOSA	TUFTED HAIR-GRASS	1 GAL	12" O.C.	3'-0" x 3'-0"
S9	DIC CAP	DICHELOSTEMMA CAPITATUM	BLUEDICKS	1 GAL	10" O.C.	24" x 24"
S10	EPI CAN	EPILOBIUM CANUM	CALIFORNIA FUSCHIA	1 GAL	18" O.C.	3'-0" x 4'-0"
S11	ESC CAL	ESCHSCHOLZIA CALIFORNICA	CALIFORNIA POPPY	1 GAL	10" O.C.	30" x 24"
S12	IRI DOU	IRIS DOUGLASIANA	DOUGLAS IRIS	1 GAL	10" O.C.	3'-0" x 4'-0"
S13	RHA MOU	RHAMNUS CALIFORNICA 'MOUND SAN BRUNO'	COFFEEBERRY	1 GAL	36" O.C.	5'-0" x 5'-0"
S14	SAL APA	SALVIA APIANA VAR. COMPACTA	COMPACT WHITE SAGE	1 GAL	24" O.C.	3'-0" x 3'-0"
S15	SAL CLE	SALVIA CLEVELANDII V. COMPACTA	COMPACT BLUE SAGE	1 GAL	24" O.C.	30" x 30"
S16	SAL SPA	SALVIA SPATHACEA	PITCHER SAGE	1 GAL	10" O.C.	24" x 4'-0"

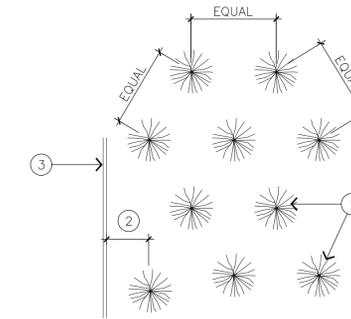
PLANTING NOTES:

- CONTRACTOR TO REVIEW ALL UTILITY PLANS AND UTILITY LOCATIONS IN THE FIELD, AND SHALL NOTIFY LANDSCAPE ARCHITECT IF CONFLICTS WITH PLANT MATERIAL LOCATIONS EXISTS.
- IF CONFLICTS ARISE BETWEEN SIZE OF AREAS AND PLANS, CONTRACTOR TO CONTACT LANDSCAPE ARCHITECT FOR RESOLUTION. FAILURE TO MAKE SUCH CONFLICTS KNOWN WILL RESULT IN CONTRACTOR'S LIABILITY TO RELOCATE SUCH MATERIALS. CONTRACTOR TO VERIFY EXACT QUANTITIES OF PLANT MATERIAL NECESSARY BASED ON EXISTING CONDITIONS AND EXISTING PLANT MATERIAL COVERAGE.
- TREES TO BE REMOVED SHALL BE TAGGED BY CONTRACTOR AND REVIEWED BY OWNER'S AUTHORIZED REPRESENTATIVE IMMEDIATELY UPON AWARD OF GENERAL CONTRACT. TREES SHALL BE REMOVED ONLY WHEN APPROVAL BY OWNER HAS BEEN GIVEN.
- CONTRACTOR SHALL SUBMIT FOR APPROVAL: PHOTOS OF SHRUB MATERIAL SPECIFICATIONS (SIZE) AND QUANTITY SHALL BE NOTED. NURSERY SOURCE AND CONTACT SHALL BE NOTED.
- TREES TO REMAIN AND BE PROTECTED ARE IDENTIFIED ON THE PLANS. COORDINATE TREE PROTECTION WITH THE OWNER AS NECESSARY.
- ANY PLANT DEEMED NOT AVAILABLE BY THE CONTRACTOR SHALL BE NOTED. MAINTENANCE PERIOD MAY NOT BEGIN UNTIL ALL SPECIFIED MATERIALS ARE INSTALLED.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO FURNISH PLANT MATERIALS FREE OF PESTS OR PLANT DISEASES. 'PRE-SELECTED OR 'TAGGED' MATERIAL MUST BE INSPECTED BY THE CONTRACTOR AND CERTIFIED PEST AND DISEASE FREE. IT IS THE CONTRACTOR'S OBLIGATION TO WARRANTY ALL PLANT MATERIALS.
- ALL PLANT MATERIAL SHALL BE APPROVED ON SITE PRIOR TO INSTALLATION. FINAL LOCATION OF ALL PLANT MATERIAL SHALL BE SUBJECT TO APPROVAL.
- ALL OVEREXCAVATION REQUIRED TO MEET PLANTING SPECIFICATIONS SHALL BE DONE PRIOR TO PAVING IF PAVING WILL CONFLICT WITH EXCAVATION OF PLANTING PITS.
- ALL GROUND COVERS SHALL BE APPLIED IN ALL PLANTING AREAS INDICATED ON PLAN AS WELL AS UNDER SHRUBS. GROUND COVERS AND MASS PLANTED SHRUBS SHALL BE TRIANGULARLY SPACED UNLESS OTHERWISE INDICATED.
- ALL AREAS THAT ARE 2:1 SLOPE OR LESS SHALL BE COVERED WITH 2"-3" DEEP ORGANIC MULCH UNLESS OTHERWISE NOTED. SUBMIT 1 CU. FT. SAMPLE PRIOR TO APPLICATION. AREAS STEEPER THAN 2:1 SHALL BE COVERED WITH JUTE MESH.
- MINIMUM FOUR (4) SOIL SAMPLES SHALL BE TAKEN BY CONTRACTOR AFTER GRADING OPERATIONS ARE COMPLETED FOR SOIL FERTILITY AND AGRICULTURAL SUITABILITY TESTING AND RECOMENDATIONS. APPROVED LABORATORY IS SOIL AND PLANT LABS (714-282-8777).
- SEE SPECIFICATIONS FOR SOIL AMENDMENTS SPECIFIED FOR BIDDING PURPOSES ONLY. PROVIDE LANDSCAPE ARCHITECT WITH SOILS REPORT PRIOR TO INSTALLATION OF MATERIALS.
- THE LANDSCAPE ARCHITECT SHALL BE THE SOLE JUDGE AS TO WHEN THE MAINTENANCE PERIOD BEGINS.
- PLANT QUANTITIES AS NOTED ON THE PLANS ARE FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL PLANTS AS REQUIRED TO MEET ON-CENTER SPACING AS NOTED IN THE PLANT LEGEND.



- LEGEND**
- CONTAINER PLANT
 - WATER BASIN
 - FINISH GRADE
 - AMENDED BACKFILL
 - EXISTING SOIL
 - MULCH
 - PLANT TABLET

1 SHRUB PLANTING
N.T.S.



- LEGEND**
- LOCATE PLANTS WITH EQUAL SPACING AS INDICATED ON PLAN (TRIANGULAR SPACING).
 - ON-CENTER SPACING. UNLESS NOTED OTHERWISE ON DRAWINGS.
 - FACE OF BUILDING, PAVING, OR HEADER SHOWING AREA LIMIT.

2 PLANT SPACING
N.T.S.

CONTAINER SIZE	NO. OF TABLETS	POSITION @ ROOTBALL
1 GALLON	1	① ○

3 PLANT TABS
N.T.S.



REVISIONS:

NO.	DATE	ITEM

PROJECT: ABALONE COVE SHORELINE PARK IMPROVEMENTS
 SHEET TITLE: PLANTING LEGEND, NOTES AND DETAILS



PROJECT NO: 1305101.00
 SUBMITAL DATE: 06/07/2013
 PHASE: DESIGN DEVELOPMENT
 DESIGNED BY: AH
 DRAWN BY: JM / CK
 PLAN NO:

L-5



ANEMOPSIS CALIFORNICA
YERBA MANSA



ARGOSTAPHYLOS CATALINAE
SANTA CATALINA ISLAND MANZANITA



BACCHARIS PILULARIS
COYOTE BRUSH



COREOPSIS GIGANTEA
GIANT COREOPSIS



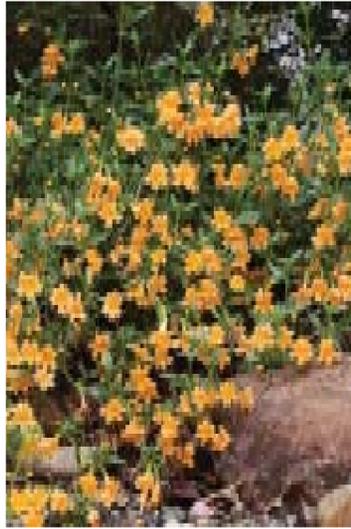
COREOPSIS MARITIMA
SEA DAHLIA



DESCHAMPSIA CESPITOSA SPP. CESPITOSA
TUFTED HAIR-GRASS



DICHELOSTEMMA CAPITATUM
BLUEDICKS



DIPLACUS AURANTIACUS
STICKY MONKEY FLOWER



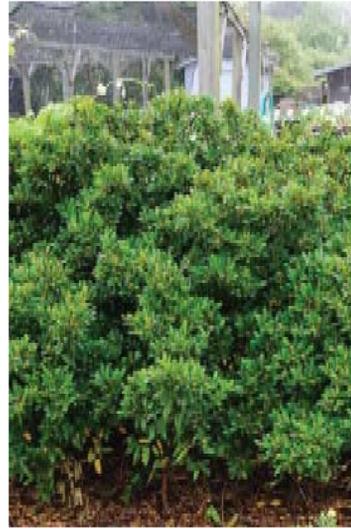
EPILOBIUM CANUM
CALIFORNIA FUSCHIA



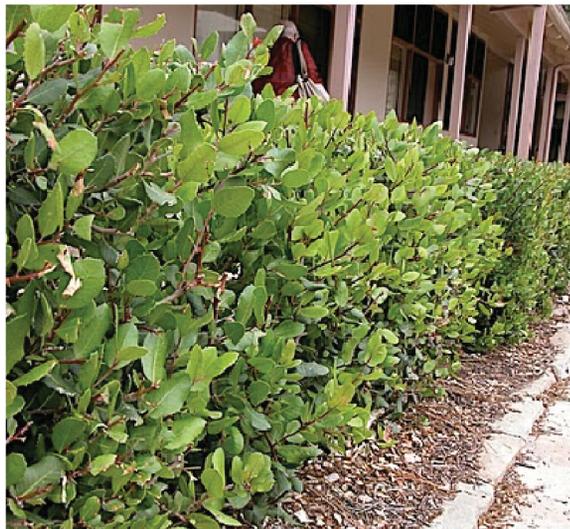
ESCHSCHOLZIA CALIFORNICA
CALIFORNIA POPPY



IRIS DOUGLASIANA
DOUGLAS IRIS



RHAMNUS CALIFORNICA 'MOUND SAN BRUNO'
COFFEEBERRY



RHUS INTEGRIFOLIA
LEMONADE BERRY



SALVIA APIANA VAR. COMPACTA
COMPACT WHITE SAGE



SALVIA CLEVELANDII V. COMPACTA
COMPACT BLUE SAGE



SALVIA APATHACEA
PITCHER SAGE



REVISIONS:

NO.	DATE	ITEM

ABALONE COVE SHORELINE PARK
IMPROVEMENTS

PROJECT:

SHEET TITLE:

MELÉNDREZ
James O'Neil Building, 11th Floor 213-673-4400
617 South Olive Street 213-607-4410
Los Angeles, California 90014 www.melendrez.com

REGISTRATION:



PROJECT NO: 1305101.00

SUBMITAL DATE: 06/07/2013

PHASE: DESIGN DEVELOPMENT

DESIGNED BY: AH

DRAWN BY: JM / CK

PLAN NO:

L-6

SHEET NO: 09 OF 09



CUSTOM DESIGN PRECAST
CDP2060 TRASH RECEPTACLE



PICNIC TABLE WITH SEATS



LANDSCAPE FORMS
PAUSADE BENCH



CYCLESAFE, INC.
INVERTED U BIKE RACK



POLYGON SHADE STRUCTURE
DISTRIBUTED BY MIRACLE PLAYGROUND
GRE-30



LANDSCAPE STRUCTURES
FOSSIL DIG PLAY AREA
DINO EGGS - 17093
T-REX BONES - 170791



SEECOAST MANUFACTURING
MARK 1 COIN OPERATED TELESCOPE



FEENEY INC.
1/4" CABLE RAIL



REVISIONS:

NO.	DATE	ITEM

ABALONE COVE SHORELINE PARK
IMPROVEMENTS

PROJECT:

SHEET TITLE:

MELÉNDREZ
James Owen Building, 11th Floor 213-673-4400
617 South Olive Street 213-673-4410
Los Angeles, California 90014 www.melendrez.com

REGISTRATION:



PROJECT NO: 1305101.00

SUBMITTAL DATE: 06/07/2013

PHASE: DESIGN DEVELOPMENT

DESIGNED BY: AH

DRAWN BY: JM / CK

PLAN NO:

L-6.1

SHEET NO: 09 OF 09