# BEACH CITIES HEALTH DISTRICT HEALTHY LIVING CAMPUS

514 NORTH PROSPECT AVENUE, REDONDO BEACH, CA 90277
OWNER CONTACT: BEACH CITIES HEALTH DISTRICT | TOM BAKALY | TEL: 310.374.3426, x118 | WWW.BCHD.ORG



PAUL MURDOCH ARCHITECTS

6310 SAN VICENTE BLVD SUITE 400 LOS ANGELES, CALIFORNIA 90048 310 358-0993

THE DRAWINGS AND SPECIFICATIONS AND IDEAS, DESIGN, AND ARRANGEMENTS REPRESENTED THEREBY ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT, AND NO PART THEREOF SHALL BE COPIED, DISCLOSED TO OTHERS, OR USED IN CONNECTION WITH ANY WORK OR PROJECT THAN THE SPECIFIC PROJECT FOR WHICH THEY HAVE BEEN PREPARED AND DEVELOPED WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT. VISUAL CONTACT WITH THESE DRAWINGS OR SPECIFICATIONS SHALL CONSTITUTE CONCLUSIVE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR REVIEW BEFORE PROCEEDING WITH FABRICATION

D. DATE

BEACH CITIES
SEALTH DISTRICT
SEALTHY LIVING
CAMPUS

514 NORTH PROSPECT AV REDONDO BEACH, CA 902

PMA PROJECT NO.

19010

COVER SHEET

00415

DATE

TE 2/02/2022 AWN CHEC

G000

# BEACH CITIES HEALTH DISTRICT HEALTHY LIVING CAMPUS

514 NORTH PROSPECT AVENUE, REDONDO BEACH, CA 90277



## DRAWING INDEX

**GENERAL** 

| G000       | COVER SHEET                   | - 1 |
|------------|-------------------------------|-----|
| G001       | TITLE SHEET                   |     |
|            |                               | (   |
| REFERENCE  |                               | (   |
| R001       | SITE SURVEY                   | (   |
| R002       | EXISTING TREE PLAN            | (   |
| R003       | EXISTING TREE DEMO PLAN       | (   |
|            |                               |     |
| ARCHITECTU | RAL                           | (   |
| (E) A100   | EXISTING SITE PLAN            | (   |
| (E) A101   | EXISTING OPEN SPACE SITE PLAN |     |
| A100       | EXISTING + PROPOSED SITE PLAN | 1   |
| A101       | SITE PLAN                     |     |
| A102       | OPEN SPACE SITE PLAN          |     |
|            |                               |     |

FLOOR PLANS

FLOOR PLANS

**ELEVATIONS** 

**CONSULTANT TEAM** 

LANDSCAPE ARCHITECT:

ELECTRICAL ENGINEER:

CIVIL ENGINEER:

ARCHITECT:

PAUL MURDOCH ARCHITECTS

PAMELA BURTON & COMPANY

LOS ANGELES, CA 90048

TEL: (310) 358-0993

1430 OLYMPIC BLVD.

TEL: (310) 828-6373

319 MAIN STREET

TEL: (213) 239-9700

EL SEGUNDO, CA 90245

LUCCI + ASSOCIATES, INC.

3251 CORTE MALPASO #511

EMAIL: KEN@LUCCILAND.COM

CAMARILLO, CA 93012

TEL: (805) 389-6519

SANTA MONICA, CA 90404

LABIB FUNK + ASSOCIATES

6310 SAN VICENTE BLVD SUITE 400

EMAIL: PAUL@PAULMURDOCHARCHITECTS.COM

EMAIL: DCOLBECK@PAMELABURTONCO.COM

EMAIL: KYLE.PROUTY@LABIBFUNK.COM

LANDSCAPE

LANDSCAPE PLAN

EROSION CONTROL PLAN

DEVELOPMENT/DRAINAGE PLAN

NEW 4160VA MEDIUM VOLTAGE

SERVICE FROM SCE SINGLE LINE

METAL CLAD 5KV SWITCHGEAR

ELECTRICAL YARD FOR BEACH

TITLE SHEET

**GRADING PLAN** 

LOW IMPACT

UTILITY PLAN

**ELEVATIONS** 

FIRE ACCESS PLAN

SITE SECTIONS SITE SECTIONS EXISTING NORTHEAST 3D MASSING NORTHEAST 3D MASSING VIEW SOUTHEAST 3D MASSING VIEW SOUTHWEST 3D MASSING VIEW **ELEVATIONS** 

NORTHEAST PERPECTIVE VIEW SOUTHEAST PERPECTIVE VIEW MATERIALS + COLOR PALETTE

COMPARATIVE SECTIONS

CITIES FACILITY AT 15KV

WOULD REDEVELOP THE EXISTING BCHD CAMPUS LOCATED IN THE CITY OF REDONDO BEACH. THE PROPOSED PROJECT INCLUDES THE SITE DEVELOPEMNENT OF ASSISTED LIVING, MEMORY CARE, COMUNITY SERVICES, MEDICAL SERVICE SPACE, A YOUTH CENTER, SURFACE PARKING, AND PROGRAMMABLE OPEN SPACE. THE PROJECT WILL BE CARRIED OUT IN THREE (3) PHASES:

PHASE 1A: RELOCATION OF EXISTING COOLING TOWERS AND GRADING AT NORTH OF SITE.

PHASE 1B: CONSTRUCTION OF THE PROPOSED BUILDING.

PHASE 1C: DEMOLITION OF THE EXISTING 514 BUILDING. CONSTRUCTION OF PARKING AND PROGRAMMABLE

| ER:          | BEACH CITIES HEALTH DISTRIC |
|--------------|-----------------------------|
| ECT ADDRESS: | 514 NORTH PROSPECT AVENUE   |

#### ZONING INFORMATION

# LAND USE DESIGNATIONS AND ZONING REFERENCES

CITY OF REDONDO BEACH GENERAL PLAN (CITY OF REDONDO BEACH 2008, 2011, SECTION 3.10 LAND USE AND PLANNING), REDONDO BEACH ZONING ORDINANCE

REDONDO BEACH MUNICIPAL CODE TITLE 10 PLANNING AND ZONING CHAPTER 2 ZONING AND LAND

**ZONING DISTRICT 0.43 ACRES** 11'-0" 11'-0"

7502-017-903

**ZONING DISTRICT** LAND USE: AREA:

**HEIGHTS** 

P-CF COMMUNITY FACILITY ZONE P PUBLIC OR INSTITUTIONAL **9.94 ACRES** SETBACKS SHALL BE DETERMINED SUBJECT TO PLANNING SETBACKS

COMMISSION DESIGN REVIEW. **HEIGHTS** 

MAX. HEIGHT

\*HEIGHT OF BUILDINGS OR STRUCTURES SHALL BE DETERMINED SUBJECT TO PLANNING COMMISSION DESIGN REVIEW.

R-2.1

A-3 (ACCESSORY TO ASSISTED

LIVING AND MEMORY CARE)

MAX. HEIGHT

30'-0" FROM CENTER

LINE OF (E) GRADE

**PROPOSED** 

30'-0"

## **BUILDING DATA**

BUILDING CONSTRUCTION TYPE BUILDING OCCUPANCY:

I-A UNSEPARATED OR 2A WITH VERTICAL SEPARATION ASSISTED LIVING:

MEMORY CARE: COMMUNITY SERVICES: PACE MEDICAL SERVICE: YOUTH WELLNESS CENTER:

A-3 (ACCESSORY TO ASSISTED LIVING AND MEMORY CARE) SERVICE/ PARKING:

**BUILDING HEIGHT:** 

NO. OF STORIES: 6.5 STORIES ABOVE AND 2 BASEMENT STORIES

108'-8"

GROSS FLOOR AREA 292,170 SF

## **VICINITY MAP**



PAUL MURDOCH ARCHITECTS

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NO. DATE

HEALTH DISTRICT **HEALTHY LIVING CAMPUS** 

**BEACH CITIES** 

514 NORTH PROSPECT AVE REDONDO BEACH, CA 9027

PMA PROJECT NO. 19010

RAWING TITLE

TITLE SHEET

02/02/2022

G001

C CABINET

CARPET

CAST IRON

CEILING

CEMENT

CENTER

CENTERLINE

CERAMIC TILE

CERAMIC TILE

CHALKBOARD

CHANNEL

COLUMN

COMMON

COMMUNICATION

COMPOSITION

CONNECTION

**CONTROL JOINT** 

CORNER

CONCRETE BLOCK

CONCRETE MASONRY UNIT

CONTINUOUS or CONTINUE

CONTRACT or CONTRACTOR

CONSTRUCT or CONSTRUCTION

CONCRETE

**CLEAN OUT** 

CAST IRON PIPE

CENTER TO CENTER

CATCH BASIN

| A | BBREVIATIONS                             |                  |   |                                  |
|---|--|------------------|---|----------------------------------|
| Α | ABOVE                                    | ABV.             |   | CORRIDOR                         |
|   | ABOVE FINISH FLOOR                       | A.F.F.           |   | COUNTERSINK                      |
|   | ACCESS PANEL                             | ACP              |   | CUBIC                            |
|   | ACOUSTICAL CEILING TILE                  | A.C.T.           |   | CUBIC FEET PER MINUTE            |
|   | AGGREGATE                                | AGG.             |   | CUBIC FOOT                       |
|   | AIR CONDITION                            | A/C              |   | CUBIC INCH                       |
|   | ALUMINUM                                 | ALUM.            |   | CUBIC YARD                       |
|   | AMERICAN CONCRETE INSTITUTE              | A.C.I.           |   | CURB FACE                        |
|   | AMERICAN INSTITUTE OF STEEL CONSTRUCTION | AISC or A.I.S.C. |   |                                  |
|   | AMERICAN NATIONAL STANDARDS INSTITUTE    | ANSI             | D | DEGREE                           |
|   | AMERICAN SOCIETY OF CIVIL ENGINEERS      | ASCE             |   | DEPARTMENT                       |
|   | AMERICAN SOCIETY OF TESTING AND MATERIAL | ASTM             |   | DETAIL                           |
|   | AMERICAN WELDING SOCIETY                 | AWS              |   | DIAGONAL                         |
|   | AMOUNT                                   | AMT.             |   | DIAMETER                         |
|   | ANCHOR BOLT                              | A.B.             |   | DIMENSION                        |
|   | AND                                      | &                |   | DISPENSER                        |
|   | ANGLE                                    | L                |   | DISTANCE                         |
|   | ANODIZED                                 | ANOD.            |   | DIVISION                         |
|   | APPROVED                                 | APPD.            |   | DOOR                             |
|   | APPROXIMATE                              | APPROX.          |   | DOUBLE                           |
|   | ARCHITECT OR ARCHITECTURAL               | ARCH             |   | DOWEL                            |
|   | ASBESTOS                                 | ASB.             |   | DOWN                             |
|   | ASPHALT                                  | ASPH.            |   | DOWNSPOUT                        |
|   | ASPHALT TILE                             | A.T.             |   | DRAWING                          |
|   | ASPHALTIC CONCRETE                       | A.C.             |   | DRINKING FOUNTAIN                |
|   | ASSOCIATE                                | ASSOC.           |   |                                  |
|   | ASSOCIATION                              | ASSN.            | Е | EACH                             |
|   | AT                                       | @                |   | EAST                             |
|   | AUTOMATIC                                | AUTO             |   | ELASTOMERIC MEMBRANE             |
|   | AVENUE                                   | AVE.             |   | ELECTRIC or ELECTRICAL ELEVATION |
| В | BASEMENT                                 | BSMT.            |   | ELEVATOR                         |
|   | BEAM                                     | BM               |   | EMERGENCY                        |
|   | BETWEEN                                  | BET.             |   | ENAMEL                           |
|   | BLOCK                                    | BLK.             |   | END VERTICAL CURVE               |
|   | BLOCKING                                 | BLKG.            |   | ENGINEER                         |
|   | BOARD                                    | BD.              |   | EQUAL                            |
|   | BOARD OF AIRPORT COMMISSIONERS           | BOAC             |   | EQUIPMENT                        |
|   | BOTH WAYS                                | B.W.             |   | ESTIMATE                         |
|   | BOTTOM                                   | BOT.             |   | EXCAVATE                         |
|   | BOTTOM OF JOINT                          | BOJ              |   | EXISTING                         |
|   | BOTTOM OF MULLION                        | BOM              |   | EXISTING'                        |
|   | BOULEVARD                                | BLVD.            |   | EXPANSION BOLT                   |
|   | BRACKET                                  | BRKT.            |   | EXPANSION JOINT                  |
|   | BRITISH THERMAL UNITS                    | BTU              |   | EXPOSED CONSTRUCTION             |
|   | BRONZE                                   | BRZ.             |   | EXTERIOR                         |
|   | BUILDING                                 | BLDG.            |   | EXTERIOR GRADE                   |
|   | BUILT-UP                                 | B/U              |   | EXTRUDED                         |

CTR.

CTOC

CHAN. or [

COM.

COMM.

COMPO.

CONC.

CONN.

CONST.

CONT.

COR.

CONC. BLK.

EYE WASH F FABRIC WALL COVERING

FABRIC WALL PANEL

FACE OF CONCRETE

FACE OF MASONRY

FACE OF STUD

**FACTORY** 

**FIGURE** 

**FINISH** 

FEET / FOOT

FINISH FACE

FIRE ALARM PULL

FIRE HOSE CABINET

FIREMAN'S PHONE JACK

FLATHEAD WOOD SCREWS

FLUOROCARBON RESINOUS COATED

FIRE HYDRANT

FLANGE

FLOOR

FLOOR DRAIN

FLOOR SINK

FLOW LINE

**FOOTING** 

**GALLON** 

**GALVANIZED** 

G GAGE

FOUNDATION

FACE OF

E.V.C. ENGR., EN EQUIP. EXT. GR. EXTR. E.W. F.W.C. F.W.P. F.O. F.O.C. F.O.M. F.O.S. F.H.C. FLG. F.H.W.S. F.D. F.S. F.L. or

FCRC

FTG.

FND.

GALV.

CORR.

CFM

CU. FT.

CU. IN.

CU. YD.

DEG. or

DEPT.

DIAG.

DIA. or

C.F.

**GALVANIZED IRON** 

GLASS

GOVERNMENT

GRAB BAR

GRADE

**GRANITE** 

**GRATING** 

**GYPSUM BOARD** 

H HANDICAP HANGER **HGR** HARDBOARD HARDNER HARD. HARDWARE HDW. HARDWOOD **HEADER** HEIGHT HEXAGONAL HIGH POINT **HOLLOW CORE** HOLLOW METAL HORIZONTAL HORIZONTAL HOOK HOSE BIBB HOUR I BEAM INCH INFORMATION INSIDE DIAMETER INSULATION INTERIOR INTERIOR GRADE INTERMEDIATE INTER. J JOINT JOIST L LABORATORY LAMINATE LANDING LAVATORY LEVEL LIGHT LINOLEUM LONG LUMBER M MACHINE MANHOLE MANUFACTURER or MANUFACTURING MANUFACTURERS ASSOC. MASONRY OPENING MATERIAL MAXIMUM **MECHANICAL** MEDICINE CABINET MEMBRANE WATERPROOFING METAL MEZZANINE MINERAL FISSURED TILE MINIMUM **MISCELLANEOUS** MOULDING MOUNTED N NATIONAL NATIONAL BOARD OF FIRE UNDERWRITERS NATIONAL ELECTRICAL CODE NATURAL NATURAL GRADE NORTH NOT IN CONTRACT

NOT TO SCALE N.T.S. NUMBER O OCCUPATIONAL SAFETY AND HEALTH ADMINIST. O.S.H.A. OFFICE ON CENTER GRTG. **OPENING** GYP. BD. **OPPOSITE** OUT TO OUT OUTSIDE DIAMETER OUTSIDE FACE CONCRETE **OUTSIDE FACE MASONRY** OUTSIDE FACE STUDS OVER FLOW DRAIN P PAINTED PAIR PANEL **PARTITION** PEDESTAL PENNY **PERFORATED** PERPENDICULAR PICKET FENCE PIECE PIPE BOLLARD PLASTER PLASTIC LAMINATE PLATE **PLYWOOD** POINT POLYURETHANE ENAMEL POLYVINYL CHLORIDE PORTLAND CEMENT CONCRETE **POUND** POWER POLE **PRECAST PREFABRICATED** PROPERTY PROPERTY LINE PULL CHAIN Q QUARRY TILE R RADIUS RECTANGLE REDWOOD REFER TO REFLECTED CEILING PLAN

REFRIGERATOR

REQUIRED

REVISION

RISER

ROOF

**ROOF DRAIN** 

ROUGH OPENING

**RUBBER BASE** 

ROOFING

ROOM

ROUND

S SCHEDULE

SECTION

SHEATHING

SHEET

SIMILAR

SINGLE

SOUTH

**SPEAKER** 

SQUARE

STAGGERED

STANDARD

STEEL

SMOKE DETECTOR

SNITARY SEWER

SPECIFICATION

STAINLESS STEEL

SOLID CORE

RIGHT-OF-WAY

REINFORCE or REINFORCING

STIFFENER STIRRUP NO. or # STONE STRAIGHT GRADE STREET STRUCTURAL SUPPORT SURFACED 4 SIDES 0 000 SUSPEND SYMBOL O.D. O.F.C. SYMMETRICAL O.F.M. O.F.S. T TELEPHONE **TEMPERATURE TERAZZO** THICK or THICKNESS THRESHOLD TO OF TONGUE AND GROOVE TOP OF BANK TOP OF CURB TOP OF DECK TOP OF FINISH TOP OF GRATE TOP OF JOINT TOP OF MASONRY TOP OF PARAPET P-LAM. TOP OF STEEL TOP OF STRUCTURAL SLAB TOP OF WALL TREAD TURNBUCKLE **TYPICAL** LB. or # U UNDER CUT UNIFORM BUILDING CODE UNLESS NOTED OTHERWISE PREFAB. PROP. V VEE JOINT **VENTILATOR** VERIFY IN FIELD VERTICAL VESTIBULE VINYL VINYL COMPOSITION TILE VINYL WALL COVERING VOLUME R.C.P. W WAREHOUSE WATER CLOSET WATER HEATER REQD. WATER RESISTANT WATERPROOF or WATERPROOFING WEIGHT

T.S.S. T.O.W. TRNBKL. U.B.C. U.N.O. V JT. VENT. VERT. VEST. VYN VCT VOL. WHSE

STIFF.

STIR.

STN.

STRUCT'L.

SUPT.

SUSP.

SYM.

SYMM.

TEMP.

TERR.

T.O.B.

T.O.C.

T.M.D.

T.O.F.

T.O.M.

T.O.P.

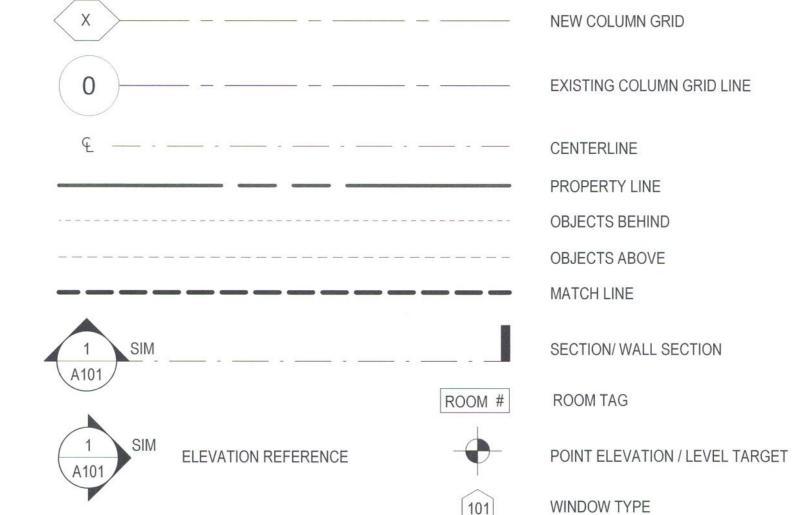
TOS / T.O.S.

WELDED WIRE FABRIC WIDE FLANGE (STEEL)

WOOD Y YARD

WITH

# **SYMBOLS**

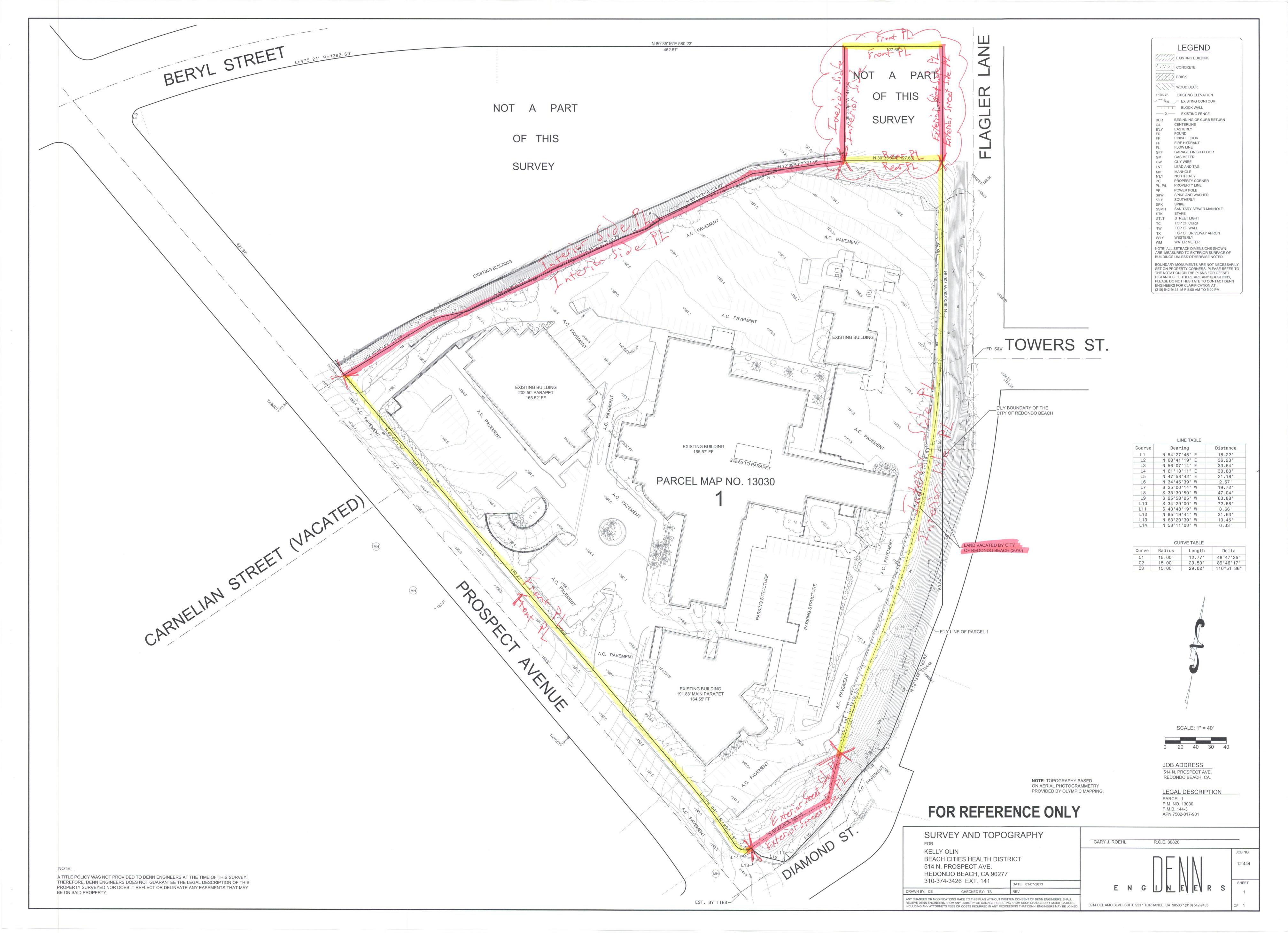


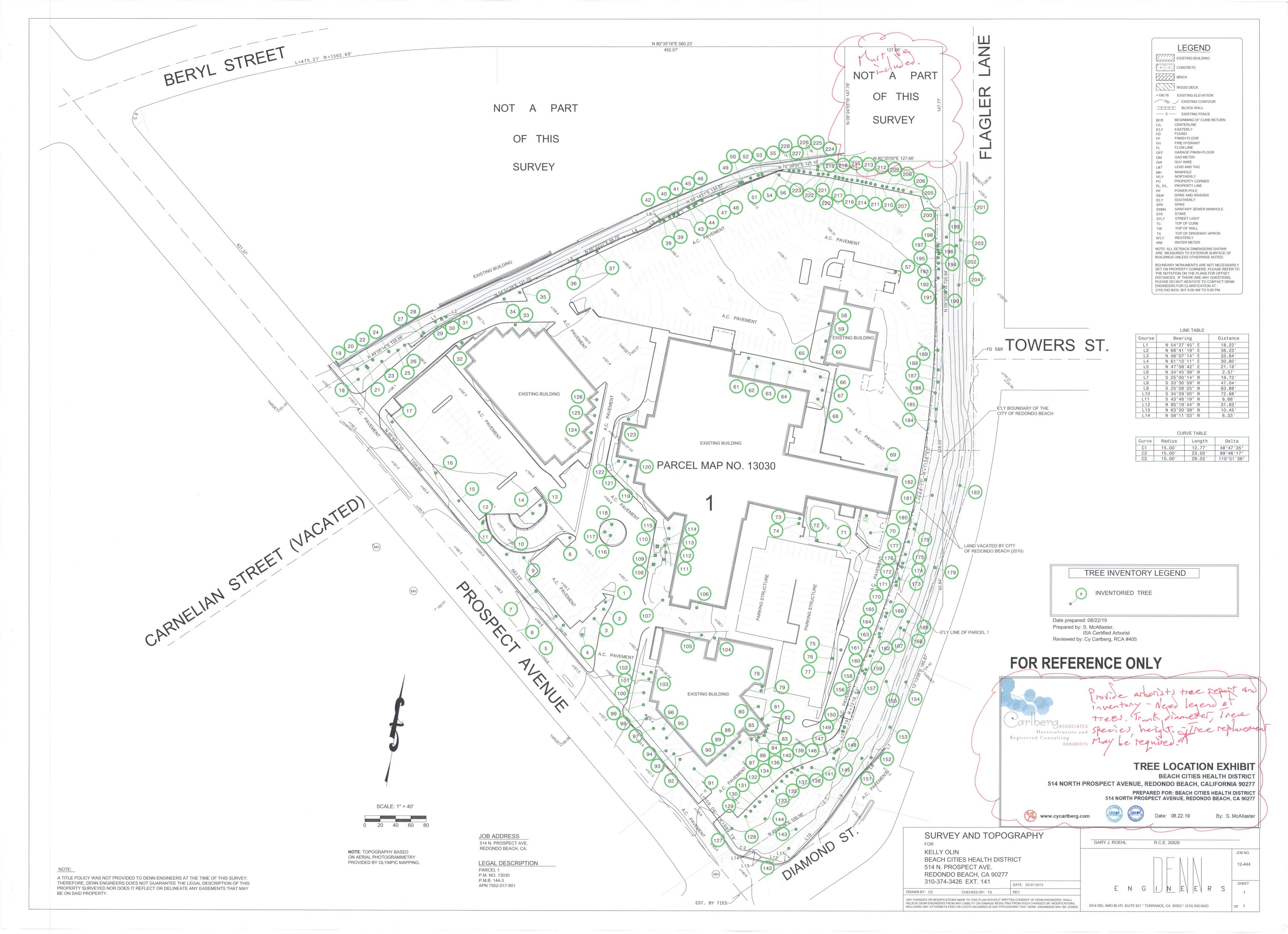
INTERIOR ELEVATION REFERENCE

WALL ASSEMBLY TYPE

DOOR NUMBER

REVISION NUMBER







DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED



# **EXISTING LAND USE DESIGNATIONS**

7502-017-903

ZONING DISTRICT P-CF COMMUNITY FACILITY ZONE

P PUBLIC OR INSTITUTIONAL

**9.94 ACRES** 

750-2017-902

ZONING DISTRICT C-2 COMMERCIAL ZONE

C-2, COMMERCIAL

**0.43 ACRES** 

#### LAND USE DESIGNATIONS AND ZONING REFERENCES:

- CITY OF REDONDO BEACH GENERAL PLAN (CITY OF REDONDO
- BEACH 2008, 2011, SECTION 3.10 LAND USE AND PLANNING),
  - REDONDO BEACH MUNICIPAL CODE TITLE 10 PLANNING AND ZONING CHAPTER 2 ZONING AND LAND USE

## **EXISTING SITE OPEN SPACE**

50,950 SF

31,910 SF

TOTAL EXISTING OPEN SPACE 82,940 SF

281 SPACES 8 ACCESSIBLE **62 SPACES** 4 ACCESSIBLE 4 ACCESSIBLE 107 SPACES 0 ACCESSIBLE 112 SPACES 199 SPACES 2 ACCESSIBLE 0 ACCESSIBLE 59 SPACES

52 SPACES 53 SPACES 35 SPACES

\*PARKING SPACES SUBTOTALS + TOTALS INCLUDE ACESSIBLE SPACES.

PEDESTRIAN ENTRY / EXIT

THE DRAWINGS AND SPECIFICATIONS AND IDEAS, DESIGN, AND ARRANGEMENTS REPRESENTED

6310 SAN VICENTE BLVD SUITE 400 LOS ANGELES, CALIFORNIA 90048 310 358-0993

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f existing part in

VS. Existing SF of

VS. Existing SF of

existing SF of

Per RB MCJ

Per RB Standards

Parking Standards

to confirm it

Lontorna in grot

legal non-continuing.

Parking, is

41 SPACES 3 ACCESSIBLE 257 SPACES 3 ACCESSIBLE 24 SPACES 4 ACCESSIBLE 281 SPACES 8 ACCESSIBLE 199 SPACES 2 ACCESSIBLE 11 SPACES 0 ACCESSIBLE 813 TOTAL 20 ACCESSIBLE

> 0 ACCESSIBLE 2 ACCESSIBLE 0 ACCESSIBLE 395 SPACES 14 ACCESSIBLE

6 ACCESSIBLE

514 NORTH PROSPECT AVE. REDONDO BEACH, CA 90277

**BEACH CITIES** 

**HEALTH DISTRICT** 

**HEALTHY LIVING** 

**CAMPUS** 

19010

PMA PROJECT NO.

NO. DATE

DRAWING TITLE

**EXISTING SITE** PLAN

AS INDICATED

DATE 02/02/2022

(E) A100



## **EXISTING SITE OPEN SPACE**

83,900 SF UNDEVELOPED LAND 18,900 SF 228,900 SF 120,400 SF **TOTAL SITE AREA** 452,100 SF 331,700 SF

\*PROGRAMMABLE OPEN SPACE 0.03 ACRES

## SYMBOL LEGEND

SOFTSCAPE

18% OF TOTAL SITE AREA

PROGRAMMABLE OPEN SPACE

0.3% OF TOTAL SITE AREA UNDEVELOPED LAND

HARDSCAPE 51% OF TOTAL SITE AREA

**BUILDINGS** 27% OF TOTAL SITE AREA

HARDSCAPE + BUILDING EQUALS 78% OF TOTAL

NO. DATE **BEACH CITIES** 

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HEALTH DISTRICT **HEALTHY LIVING CAMPUS** 

514 NORTH PROSPECT AVE. REDONDO BEACH, CA 90277

PMA PROJECT NO.

DRAWING TITLE

**EXISTING OPEN** SPACE SITE PLAN

AS INDICATED

DATE 02/02/2022 PM

(E) A101



**EXISTING SITE PLAN** 



PROPOSED SITE PLAN - ? have 13. or inclusive of all phases?

6310 SAN VICENTE BLVD SUITE 400 LOS ANGELES, CALIFORNIA 90048 310 358-0993

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BEACH CITIES
HEALTH DISTRICT
HEALTHY LIVING
CAMPUS

514 NORTH PROSPECT AVE. REDONDO BEACH, CA 90277

PMA PROJECT NO.

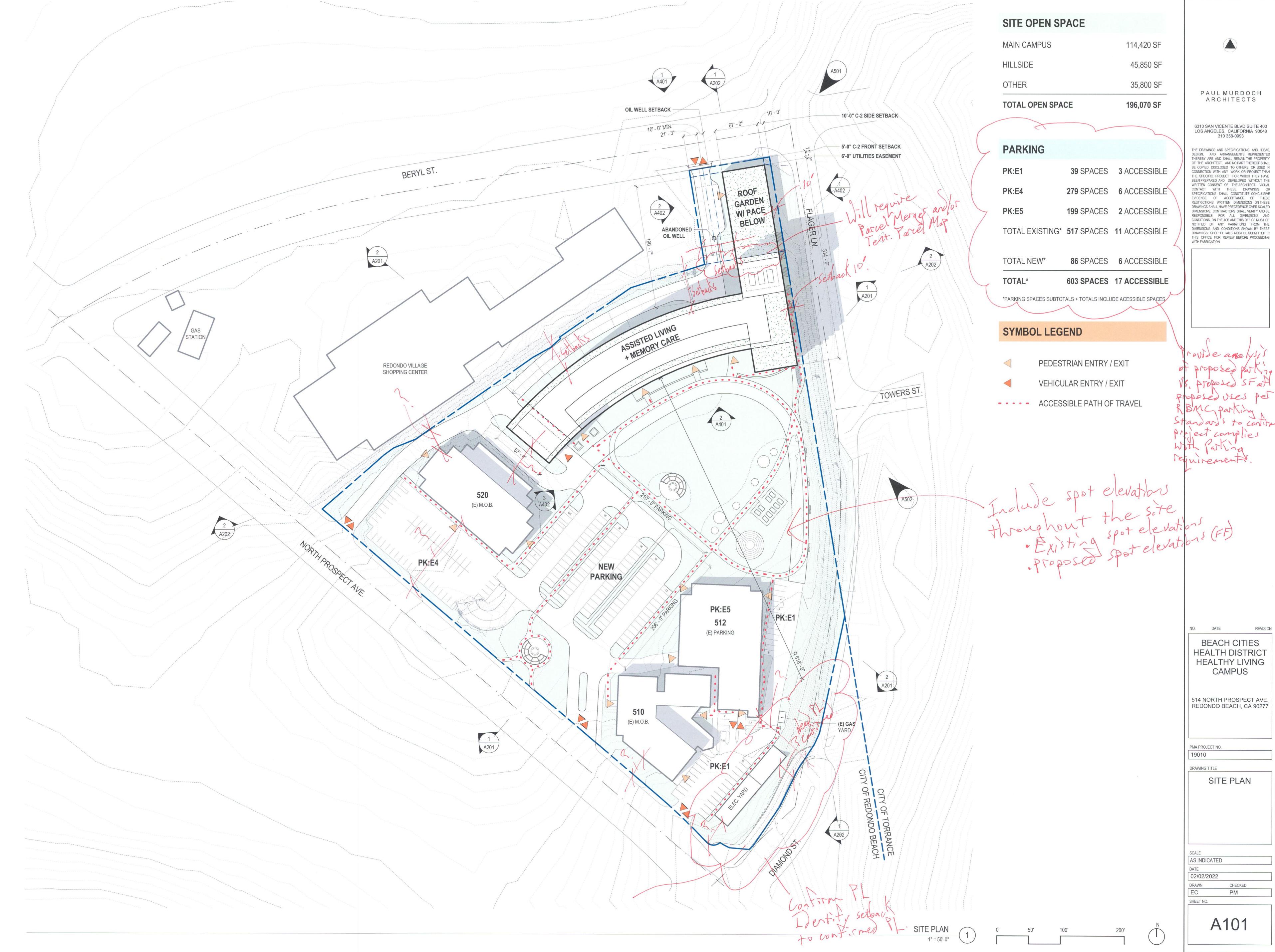
DRAWING TITLE

EXISTING +
ROPOSED SIT

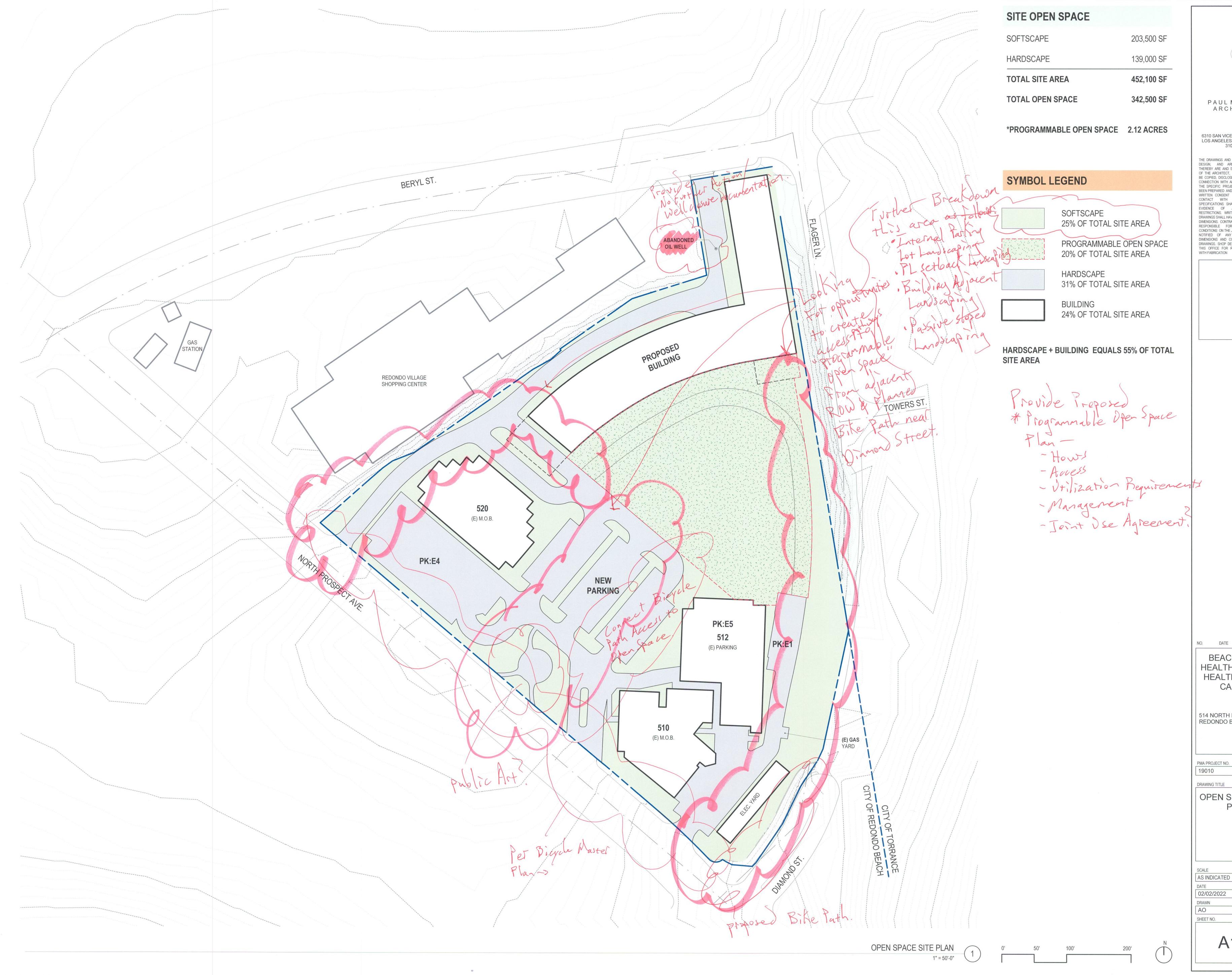
SCALE

DATE 02/02/202

DRAWN CHEC PM



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6310 SAN VICENTE BLVD SUITE 400 LOS ANGELES, CALIFORNIA 90048 310 358-0993

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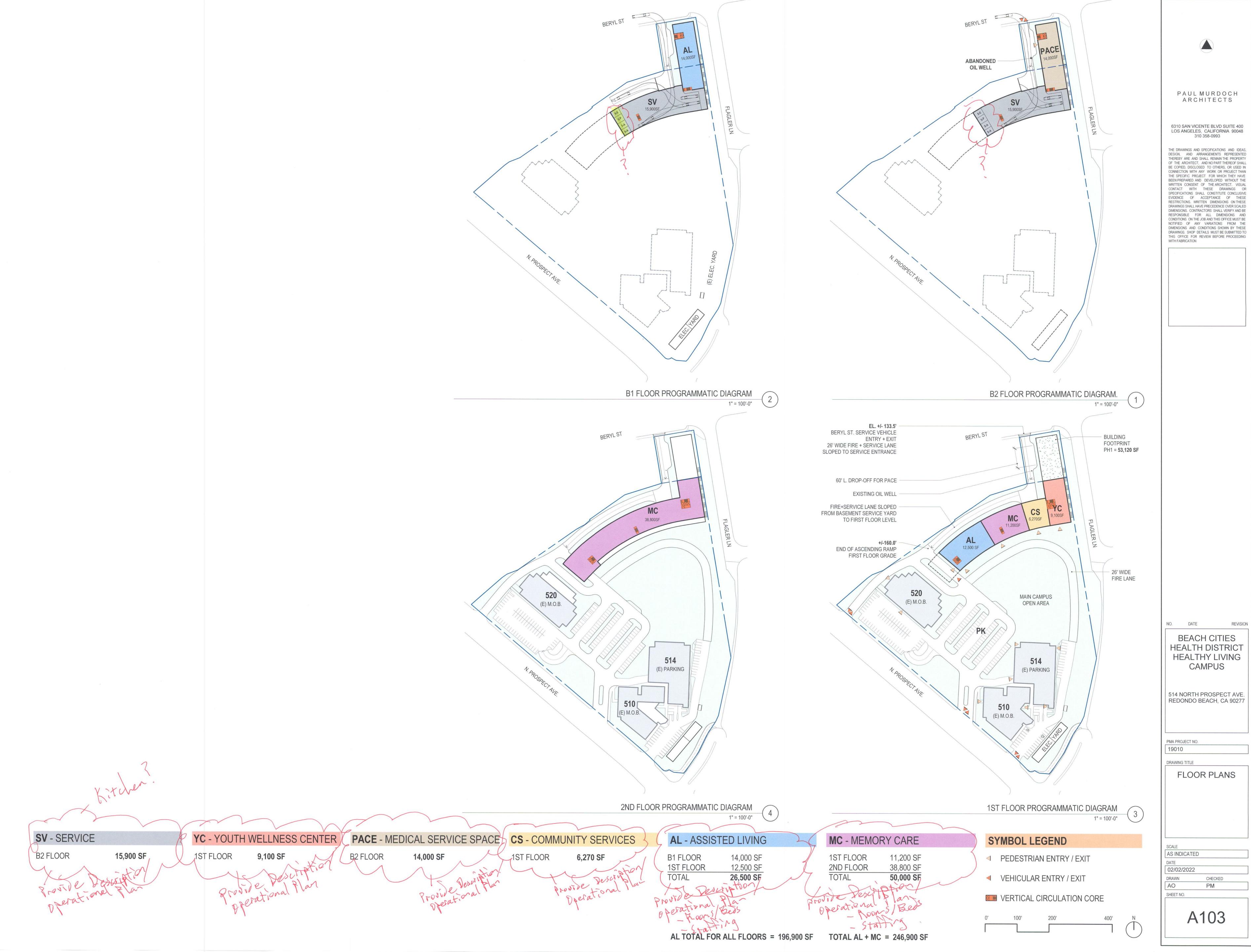
BEACH CITIES
HEALTH DISTRICT
HEALTHY LIVING
CAMPUS

514 NORTH PROSPECT AVE. REDONDO BEACH, CA 90277

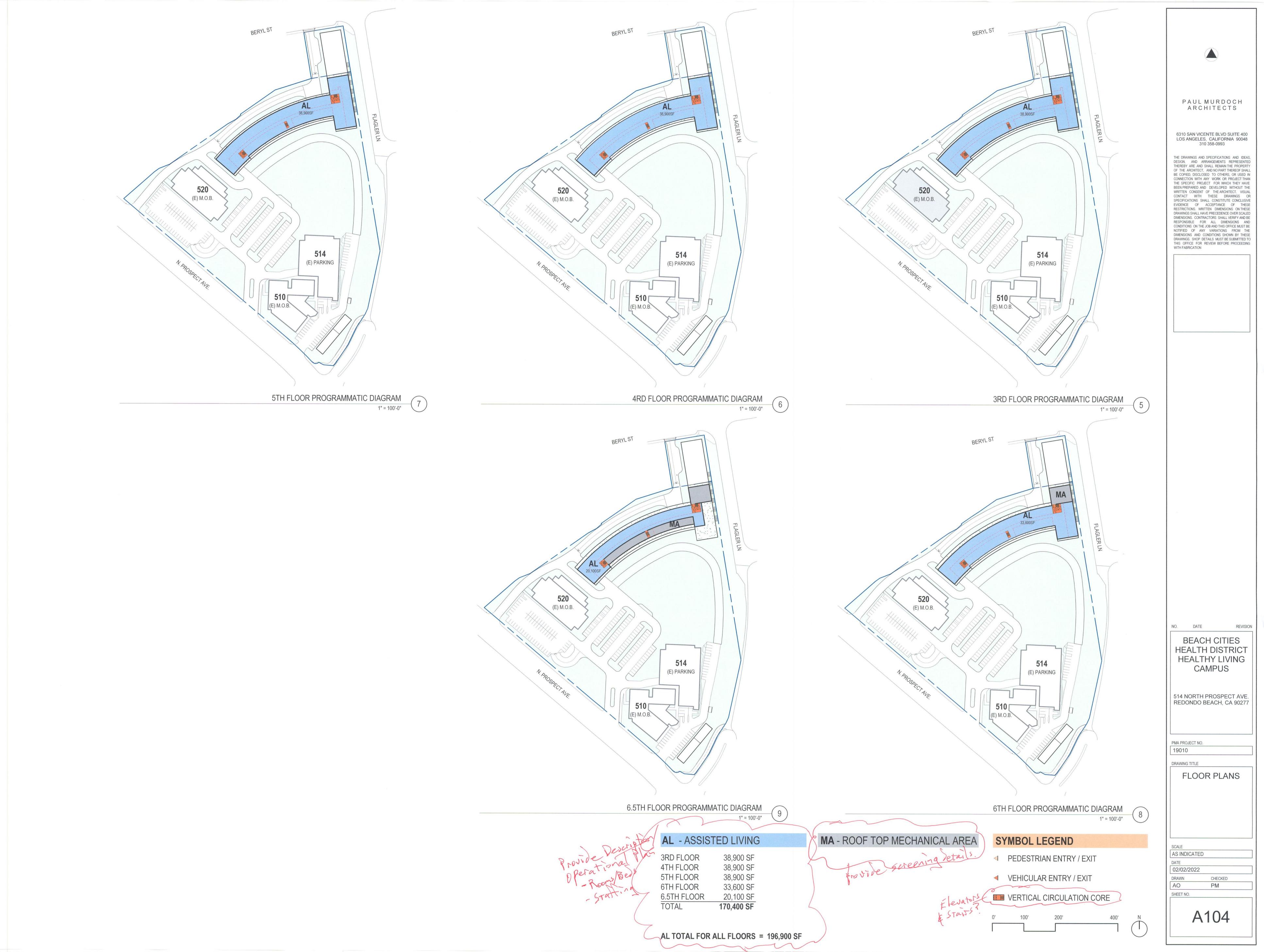
OPEN SPACE SITE PLAN

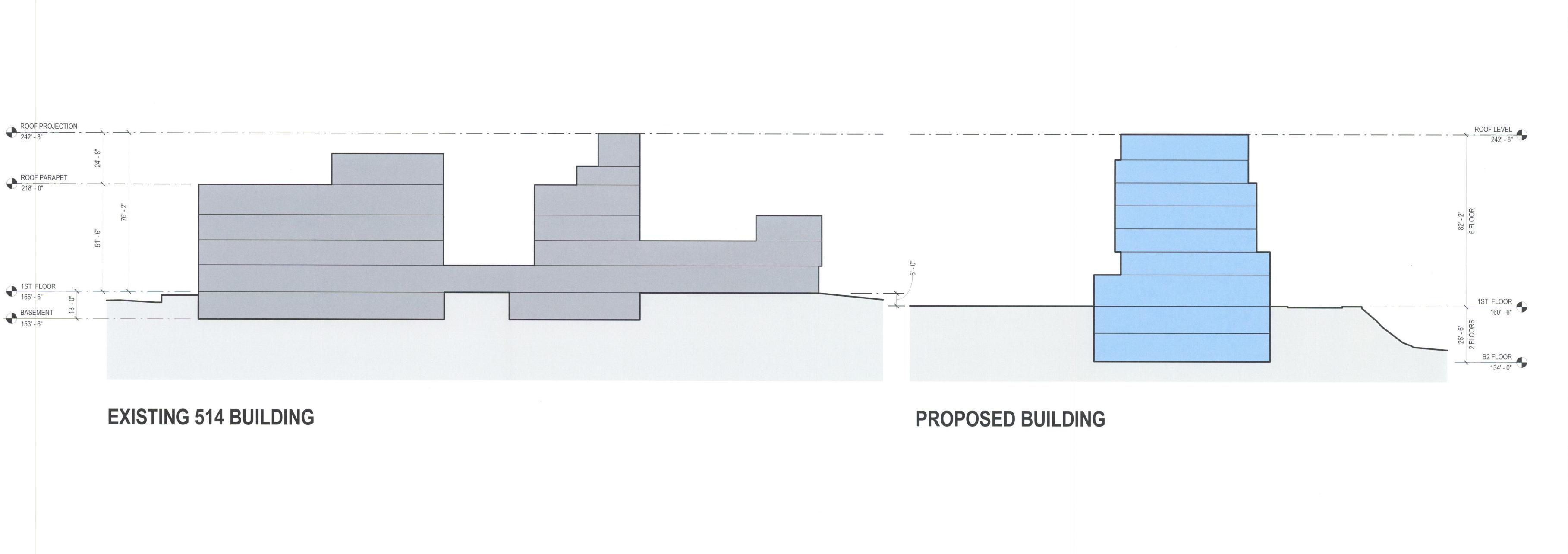
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PAUL MURDOCH ARCHITECTS

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PMA PROJECT NO.

COMPARATIV

COMPARATIVE SECTIONS

SCALE

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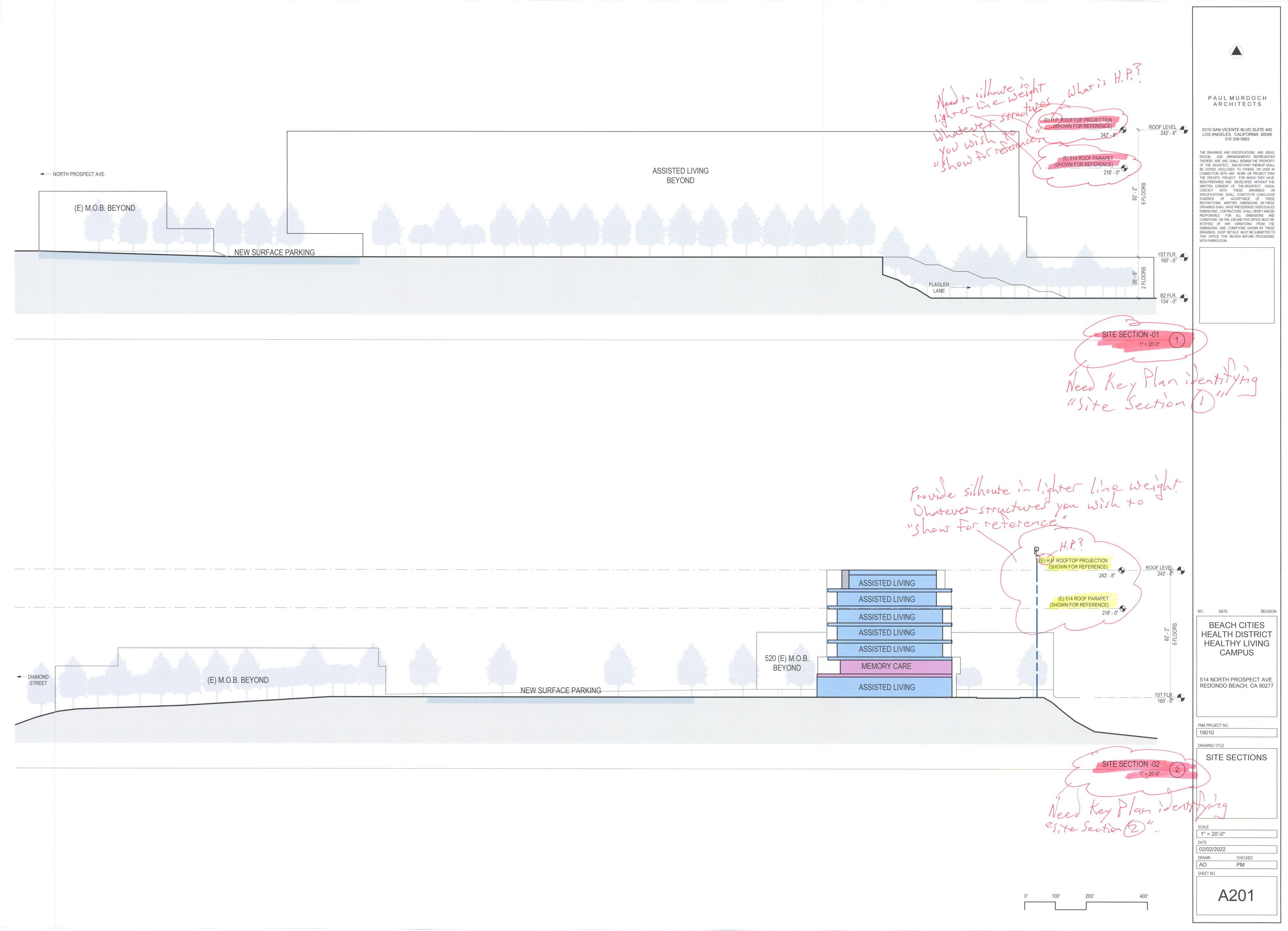
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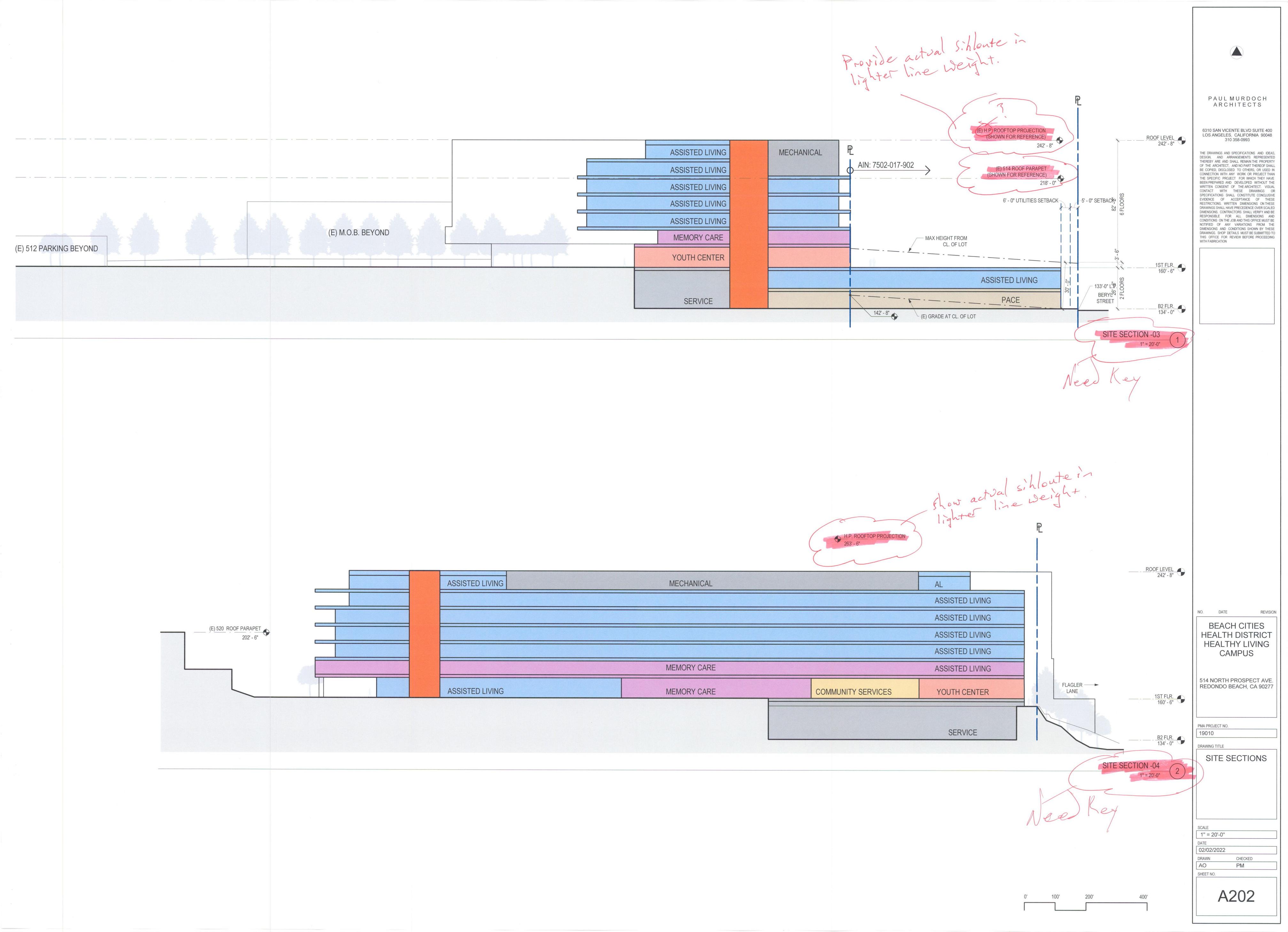
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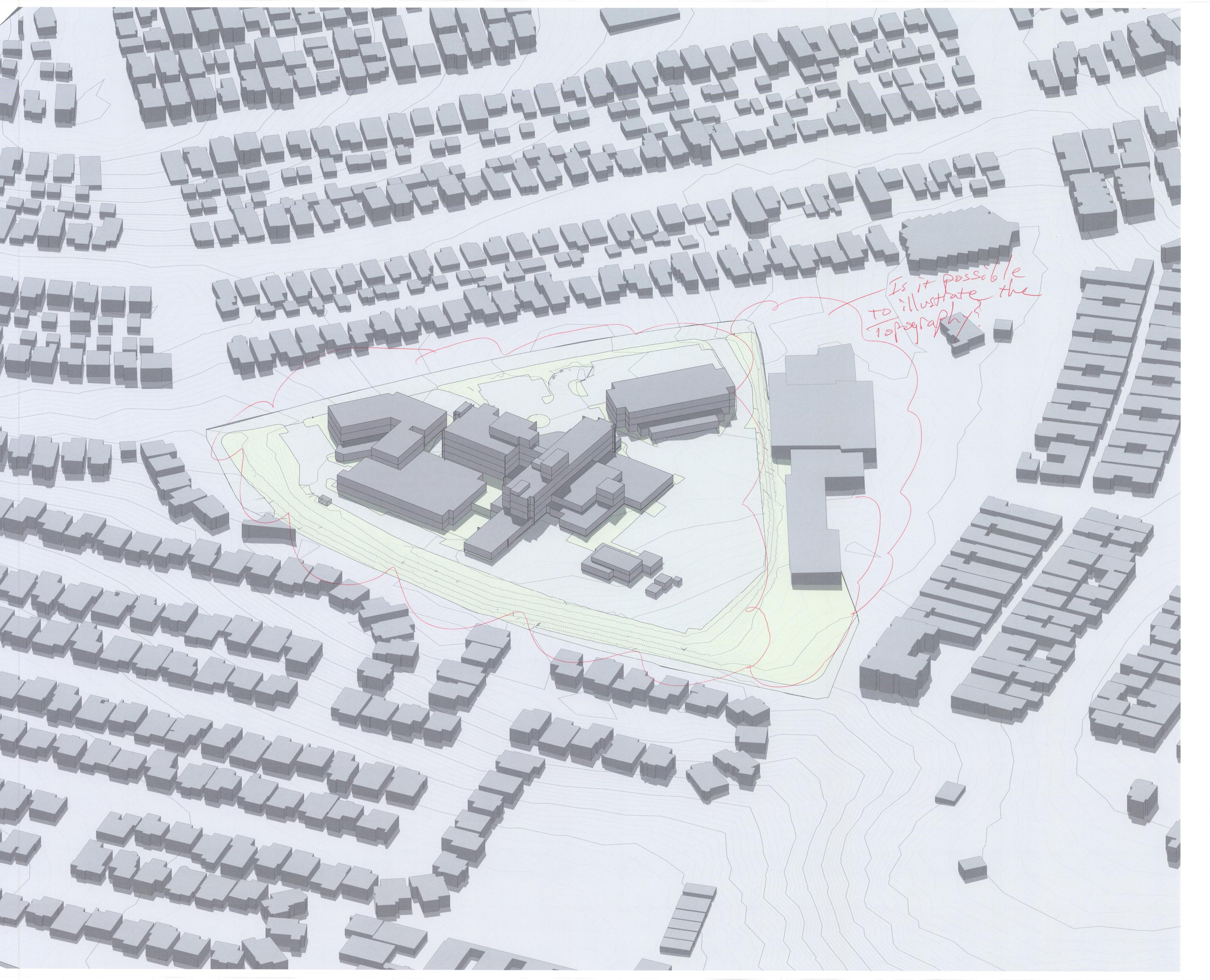
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BEACH CITIES
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514 NORTH PROSPECT AVE. REDONDO BEACH, CA 90277

PMA PROJECT NO.

DRAWING TITLE

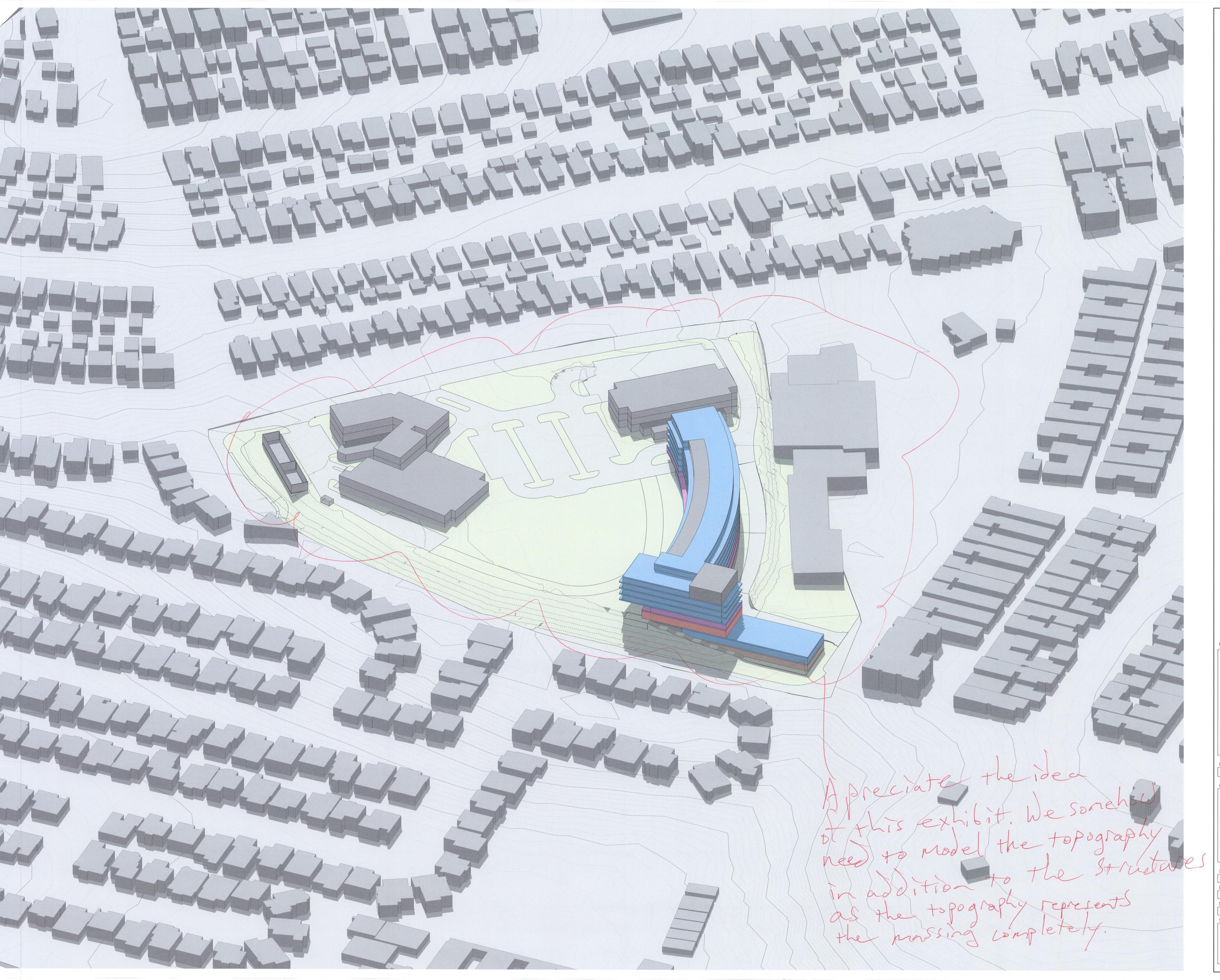
EXISTING NORTHEAST 3D MASSING VIEW

SCALE

DATE

DATE 02/02/2022

AO PM
SHEET NO.





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BEACH CITIES HEALTH DISTRICT **HEALTHY LIVING** CAMPUS

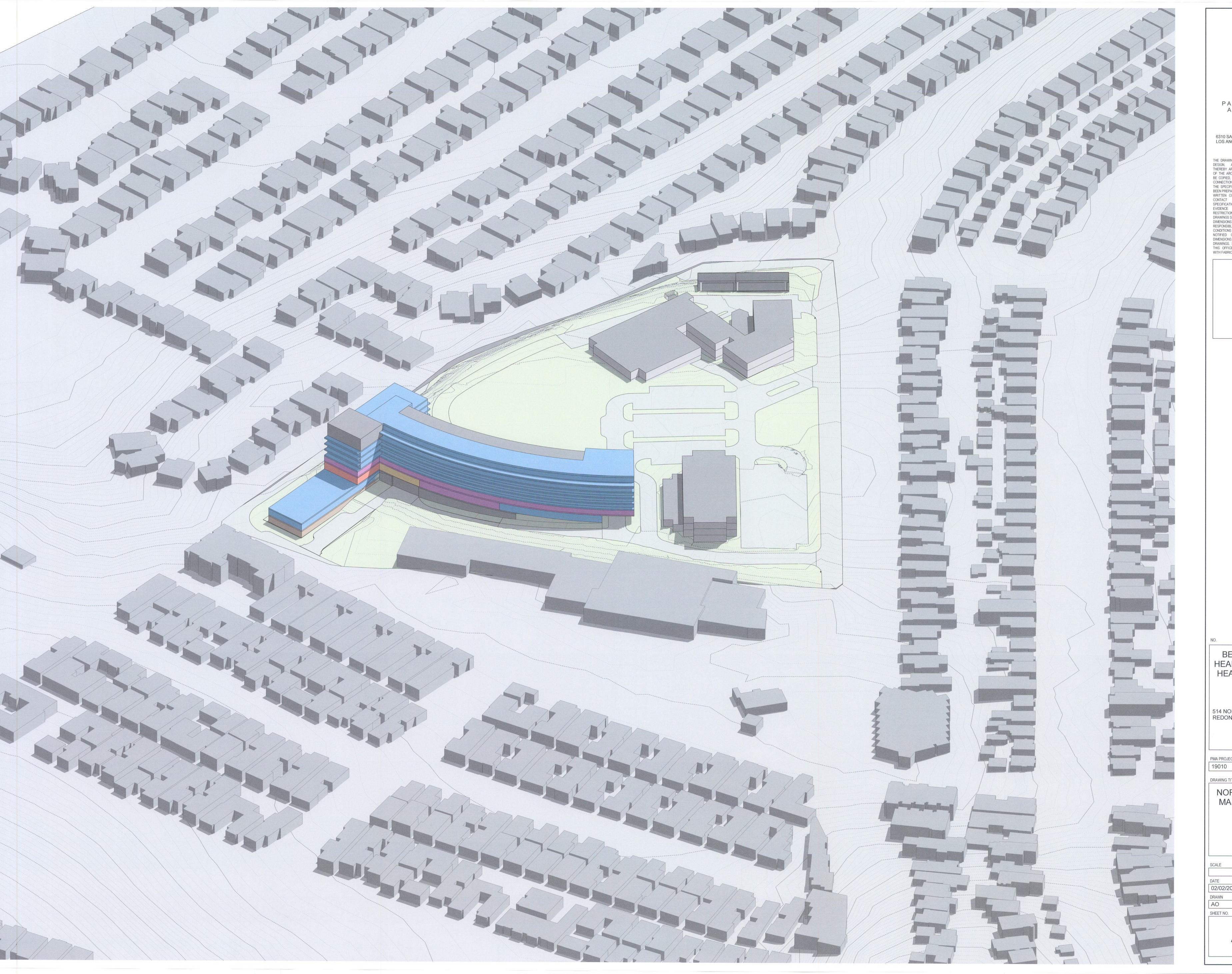
514 NORTH PROSPECT AVE. REDONDO BEACH, CA 90277

PMA PROJECT NO.

19010 DRAWING TITLE

NORTHEAST 3D MASSING VIEW

DATE
02/02/2022
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BEACH CITIES HEALTH DISTRICT HEALTHY LIVING CAMPUS

514 NORTH PROSPECT AVE. REDONDO BEACH, CA 90277

PMA PROJECT NO. 19010

DRAWING TITLE

NORTHWEST 3D MASSING VIEW

DATE 02/02/2022

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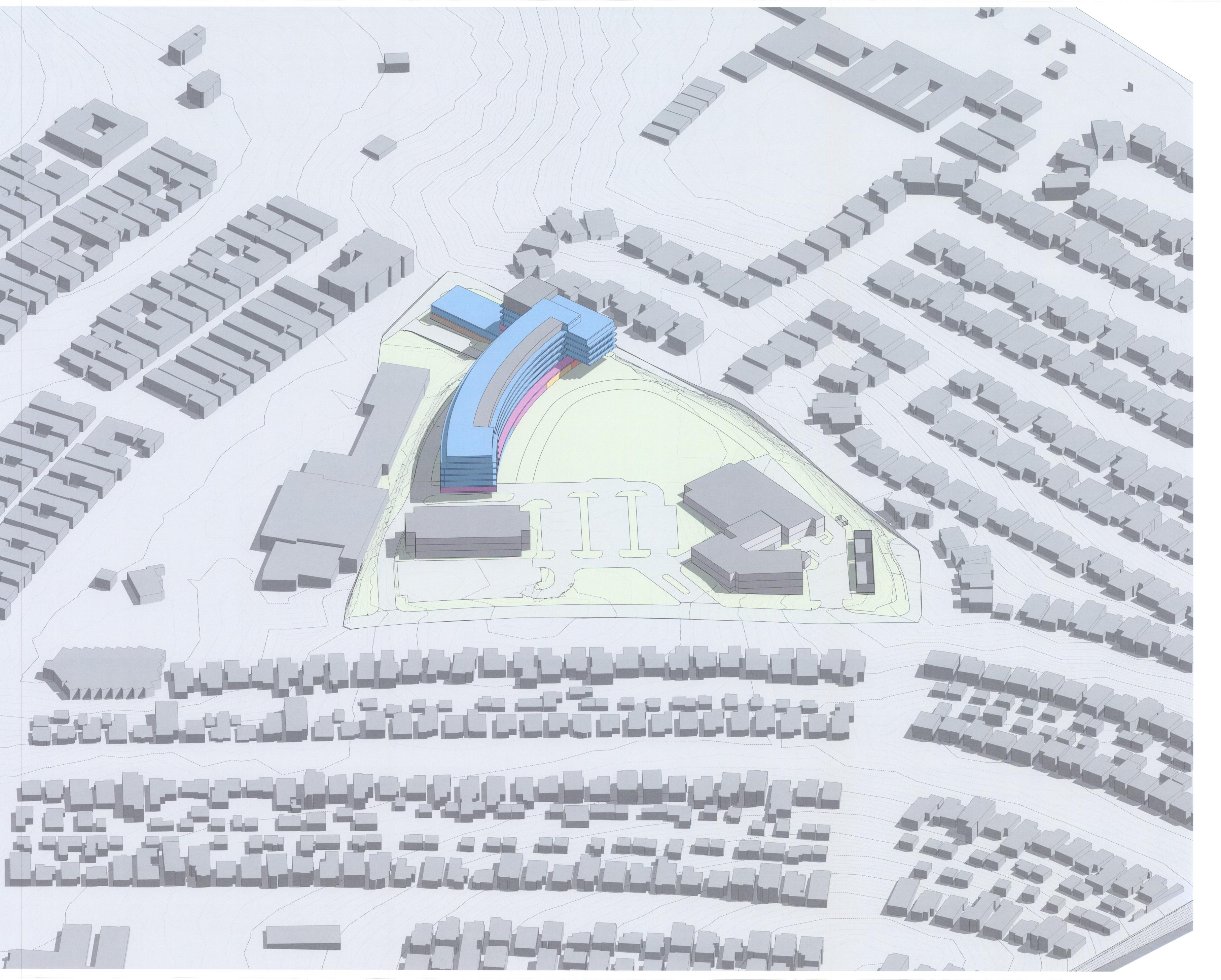
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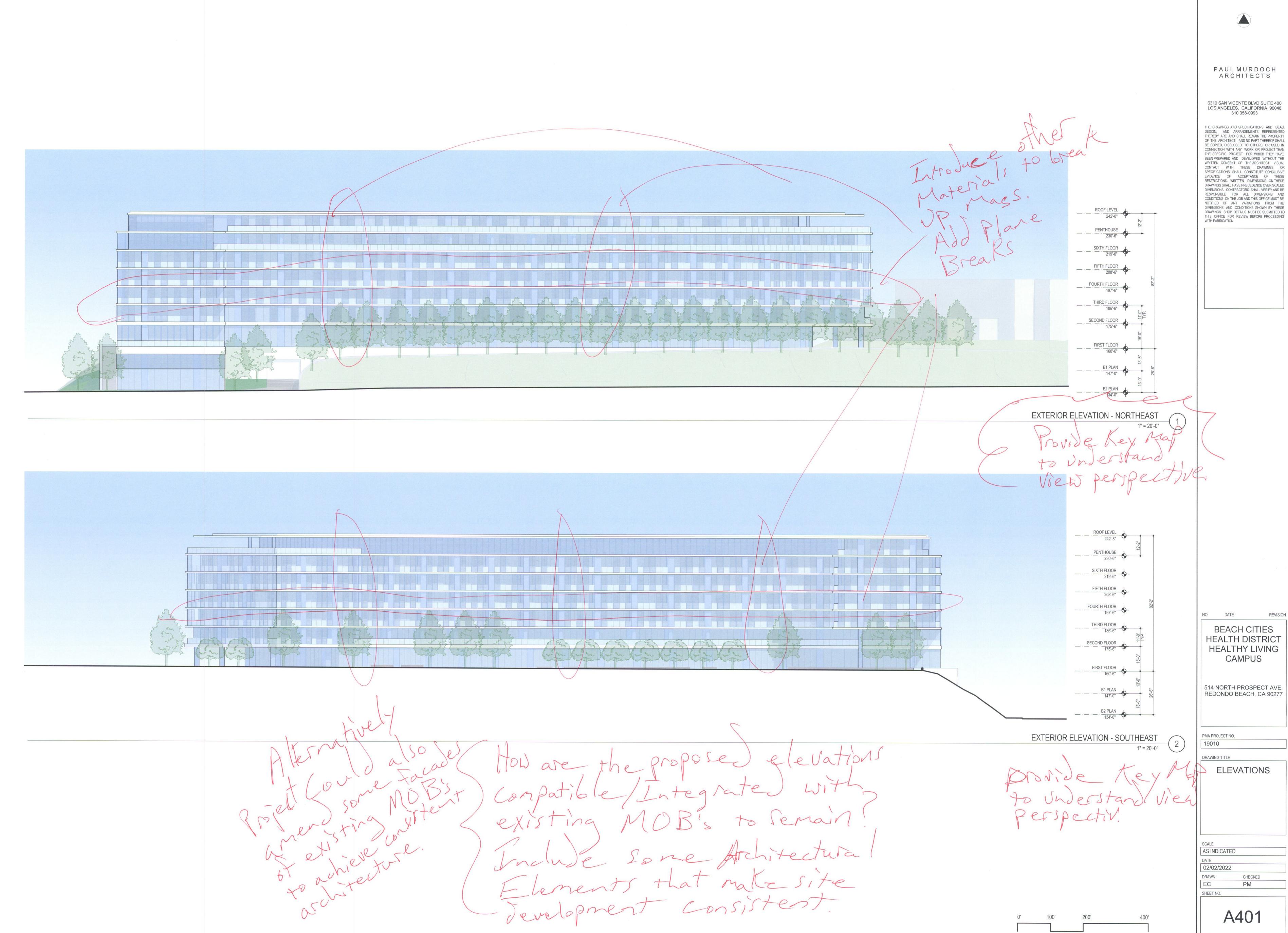
SOUTHWEST 3D MASSING VIEW

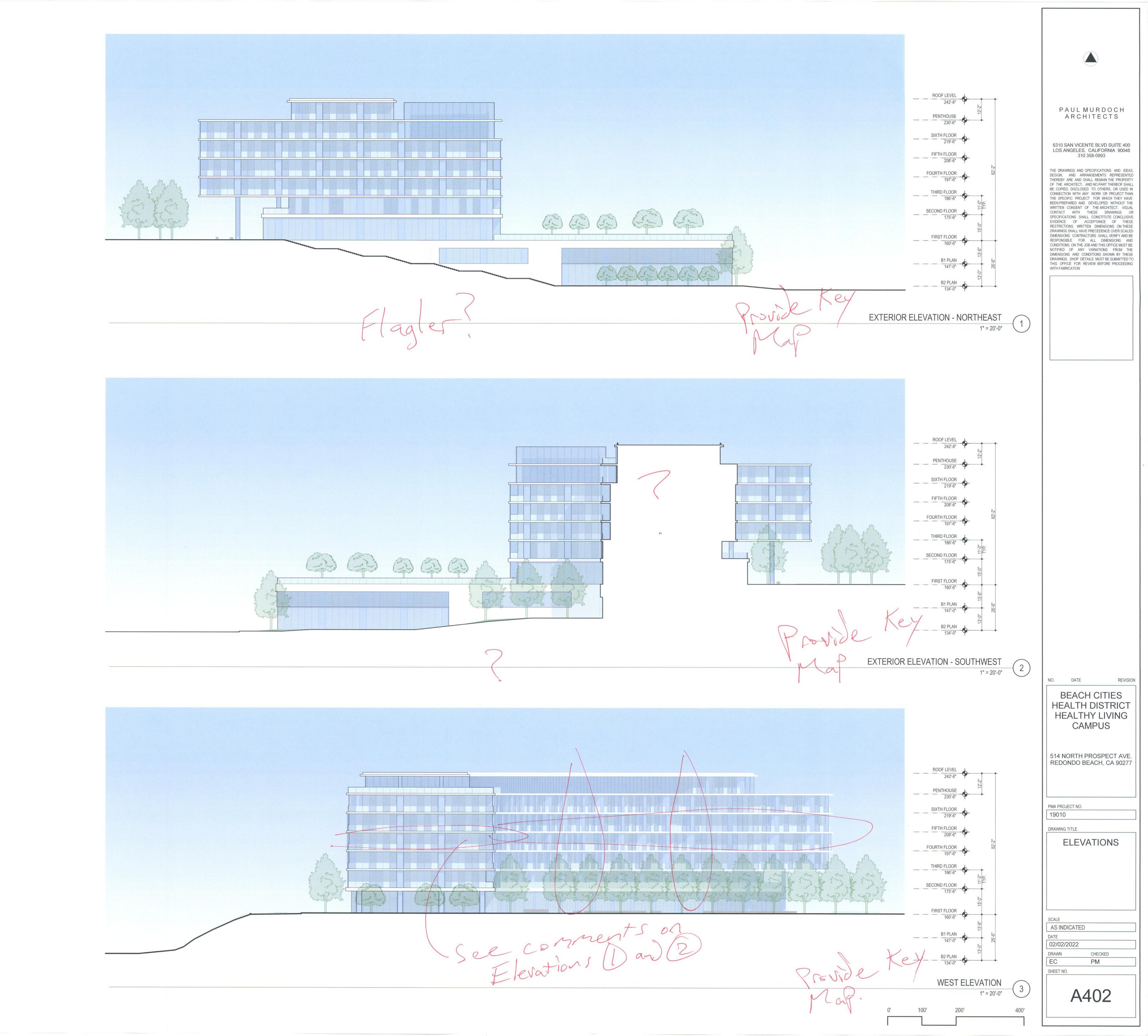
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DATE 02/02/2022

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Add additional 1st Surfaces. Colors & Materials &



PAUL MURDOCH ARCHITECTS

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514 NORTH PROSPECT AVE. REDONDO BEACH, CA 90277

PMA PROJECT NO.

19010

NORTHEAST PERPECTIVE VIEW

SCALE

DATE 02/02/2022

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**BEACH CITIES** HEALTH DISTRICT HEALTHY LIVING **CAMPUS** 

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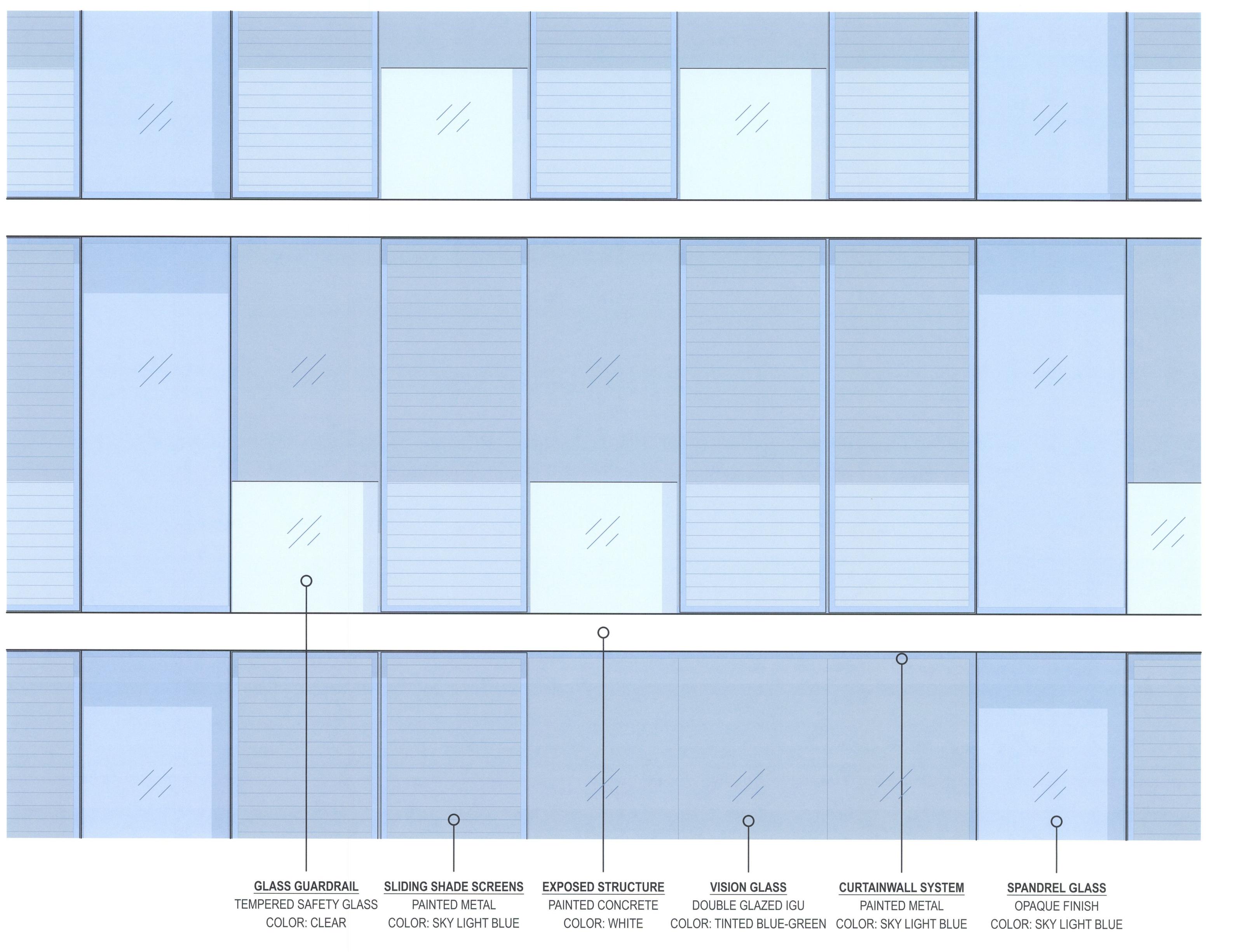
PMA PROJECT NO.

19010

DRAWING TITLE

SOUTHEAST PERPECTIVE VIEW

DATE 02/02/2022



(GUARDRAIL + GLASS BEYOND)

PAUL MURDOCH ARCHITECTS

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514 NORTH PROSPECT AVE. REDONDO BEACH, CA 90277

PMA PROJECT NO.

19010

MATERIALS + COLOR PALETTE

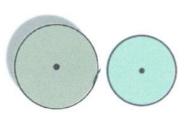
DATE 02/02/2022

WN CHECKE

# **LEGEND**



**EXISTING TREE TO REMAIN** 



(6)

(13)

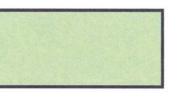
SHADE / SCREENING TREE



FLOWERING, ORNAMENTAL TREE



SHRUB AND GROUNDCOVER **PLANT MIX** 



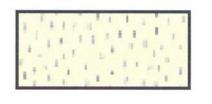
**LAWN** 



**GRASS-CRETE FIRE LANE** 



PEDESTRIAN WALKWAY



SPECIALIZED PAVING

**GARDEN ENTRY PLAZA** 

- Large specimen trees and shrub planting
- Pergola, Water Feature, Directional Signage
- Seating areas with shade for ride share waiting

## MAIN STREET

- 26' Fire Lane
- Tree lined promenade
- Benches shaded by tree canopies
- Location for Farmer's Market / Health Fair Expos

## **CENTRAL LAWN**

- Natural lawn
- Group Classes such as Yoga, Zumba, Meditation
- Space for community events such as outdoor movies
- Areas of trees for shade

#### FLEX DECK / **GROUP EXERCISE PLATFORM**

- Flexible use platform for small performances or group exercise classes

### THE PORCH

- Casual, small scale dining spaces
- Adirondack / Rocking Chairs

## **GARDEN ROOF DECK**

- Flexible event space
- Outdoor dining
- Lounge areas with fire pits

#### WELLNESS WALK

- Distinct loop with distance markers and signage
- Fitness stations, "Buddy" Benches, View areas

## SENSORY GARDENS

- Butterfly / Habitat Garden Plantings that showcase color, texture, and smell

# COMMUNITY DEMONSTRATION GARDEN

- Vegetable boxes and citrus trees
- Area for demonstration classes to gather

## **OUTDOOR GARDEN ROOMS**

- Shaded garden rooms for small groups, surrounded by lush planting

## WALKING LABYRINTH

## (12) BIKE PARKING

- 14 Short term bike parking spaces with racks

## (13) LANDSCAPE BUFFER

- Trees and slope stabilization planting to frame and screen views

# (14) PARKING LOT LANDSCAPE

- 85 Total Parking Spaces including 6 accessible spaces - 1 Tree per 6 Parking Spaces

## (15) UTILITY AREA

NO. DATE **BEACH CITIES** HEALTH DISTRICT **HEALTHY LIVING** 

**CAMPUS** 

PAUL MURDOCH

ARCHITECTS

6310 SAN VICENTE BLVD SUITE 400 LOS ANGELES, CALIFORNIA 90048

310 358-0993

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PMA PROJECT NO.

DRAWING TITLE

LANDSCAPE PLAN

1" = 50'-0" 01/26/2022

DC/CM

SP/DC L101

Trail-Access-Bike-Pedertian SCALE: 1'' = 50'-0''



LANDSCAPE PLAN

# 514 PROSPECT AVE. CIVIL PLANS

## **GENERAL**

- 1. ALL NEW CONSTRUCTION SHALL COMPLY WITH THE CONTRACT DOCUMENTS AND LATEST EDITIONS OF THE CALIFORNIA BUILDING CODE, "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION". AND CITY OF REDONDO BEACH LOCAL ORDINANCES AS APPLICABLE.
- 2. ALL GRADING WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS AND RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL ENGINEERING INVESTIGATION, "GEOTECHNICAL STUDY REPORT PROPOSED SENIOR LIVING PROJECT 514 NORTH PROSPECT AVENUE, REDONDO BEACH, CALIFORNIA", BY CONVERSE CONSULANTS DATED JUNE 24, 2016.
- 3. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY, AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS.
- 4. PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL JOIN CONDITIONS FOR GRADING. DRAINAGE AND UNDERGROUND FACILITIES INCLUDING LOCATION AND ELEVATION OF EXISTING UNDERGROUND FACILITIES AT CROSSINGS WITH PROPOSED UNDERGROUND FACILITIES. IF CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLANS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND SHALL NOT BEGIN CONSTRUCTION UNTIL THE CHANGED CONDITIONS HAVE BEEN EVALUATED.
- ALL DRAWINGS ARE CONSIDERED TO BE A PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES THAT OCCUR SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION SO THAT A CLARIFICATION CAN BE ISSUED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR ARCHITECT.
- THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE
- 7. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE GIVEN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK.
- 8. THE EXISTENCE, LOCATION AND CHARACTERISTICS OF UNDERGROUND UTILITY INFORMATION SHOWN ON THESE PLANS HAVE BEEN OBTAINED FROM A REVIEW OF AVAILABLE RECORD DATA. NO REPRESENTATION IS MADE AS TO THE ACCURACY OR COMPLETENESS OF SAID UTILITY INFORMATION. THE CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
- IF AT ANY TIME DURING GRADING OPERATIONS, ANY UNFAVORABLE GEOLOGICAL CONDITIONS ARE ENCOUNTERED, GRADING IN THAT AREA WILL STOP UNTIL APPROVED CORRECTIVE MEASURES ARE OBTAINED.
- 10. THE PROPOSED GRADE IS THE FINAL GRADE AND NOT THE ROUGH GRADE. THE CONTRACTOR SHALL SUBTRACT THE THICKNESS OF THE PAVED SECTION AND/OR LANDSCAPE TOPSOIL SECTION TO ARRIVE AT THE ROUGH GRADE ELEVATION.
- 11. STRAIGHT GRADE SHALL BE MAINTAINED BETWEEN CONTOUR LINES AND SPOT ELEVATIONS UNLESS OTHERWISE SHOWN ON THE PLANS.
- 12. ALL DEBRIS AND FOREIGN MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT APPROVED DISPOSAL SITES. THE CONTRACTOR SHALL OBTAIN NECESSARY PERMITS FOR THE TRANSPORTATION OF MATERIAL TO AND FROM THE SITE.
- 13. ALL FILL SOILS OR SOILS DISTURBED OR OVEREXCAVATED DURING CONSTRUCTION SHALL BE COMPACTED PER THE REQUIREMENTS OF THE SOILS REPORT BUT NOT LESS THAN 90% MAXIMUM DENSITY AS DETERMINED BY A.S.T.M. SOIL COMPACTION TEST D-1557.
- 14. THE CONTRACTOR SHALL OBTAIN AN O.S.H.A. PERMIT FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY PRIOR TO THE CONSTRUCTION OF TRENCHES OR EXCAVATIONS WHICH ARE FIVE FEET OR DEEPER.
- 15. DIMENSIONS TO PIPELINES ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
- 16. ALL WATER LINES SHALL BE INSTALLED WITH 36" MINIMUM COVER FROM TOP OF PIPE TO FINISHED GRADE, UNLESS OTHERWISE NOTED.
- 17. THRUST BLOCKS SHALL BE INSTALLED AT WATERLINE HORIZONTAL AND VERTICAL BENDS. TEES, CAPPED ENDS AND REDUCERS ACCORDING TO THE DETAILS PROVIDED ON THESE
- 18. CONSTRUCTION STAKING FOR IMPROVEMENTS SHOWN ON THESE PLANS SHALL BE PERFORMED BY A LICENSED LAND SURVEYOR. CONSTRUCTION STAKING SURVEYOR SHALL BE RESPONSIBLE FOR COORDINATION OF THESE PLANS WITH SOURCE DRAWINGS PREPARED BY ARCHITECT, LANDSCAPE ARCHITECT, STRUCTURAL ENGINEER, MEP CONSULTANT AND ANY OTHER DISCIPLINE PRIOR TO START OF STAKING AND CONSTRUCTION. ANY DISCREPANCIES THAT OCCUR SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION SO THAT A CLARIFICATION CAN BE ISSUED.
- 19. THE CONTRACTOR SHALL REPLACE ALL EXISTING IMPROVEMENTS DAMAGED DURING CONSTRUCTION TO MATCH EXISTING, INCLUDING PERMANENT TRENCH RESURFACING.
- 20. CONTRACTOR TO CONTACT UNDERGROUND SERVICE ALERT (800-227-2600) PRIOR TO EXCAVATION.
- 21. ALL DIMENSIONS ARE IN FEET OR DECIMALS THEREOF.
- 22. ALL CURB DIMENSIONS AND RADII ARE TO PAVEMENT FACE OF CURB.
- 23. CONTRACTOR TO BE AWARE OF ALL OVERHEAD LINES AT ALL TIMES, SO AS NOT TO DISTURB THEM.
- 24. WATER SHALL BE PROVIDED ONSITE AND USED TO CONTROL DUST DURING CONSTRUCTION OPERATIONS.
- 25. CONTRACTOR SHALL OBTAIN ANY NECESSARY PERMITS FROM THE CITY OF REDONDO BEACH FOR ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY.
- 26. STORM DRAINAGE SYSTEMS SHOWN ON THESE PLANS HAVE BEEN DESIGNED FOR THE FINAL SITE CONDITION AT COMPLETION OF THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ADEQUATE DRAINAGE OF THE SITE, DURING INTERIM CONDITIONS OF CONSTRUCTION.
- 27. CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS, INCLUDING NPDES, FROM THE APPROPRIATE JURISDICTIONAL AGENCIES FOR DISCHARGE OF GROUNDWATER THAT MAY BE NECESSARY TO ACCOMPLISH EXCAVATIONS SHOWN ON THESE PLANS.

#### CITY OF REDONDO BEACH GRADING NOTES

- 1. ALL WORK SHALL BE IN ACCORDANCE WITH THE EXCAVATION AND GRADING REQUIREMENTS OF THE CITY OF REDONDO BEACH AND ANY SPECIAL REQUIREMENTS OF THE PERMIT. ANY VIOLATION WILL RESULT IN THE STOPPING OF ALL WORK UNTIL THE VIOLATION IS CORRECTED.
- 2. NO WORK WHATSOEVER SHALL BE STARTED WITHOUT FIRST NOTIFYING THE GRADING INSPECTOR

4. FILL SLOPES SHALL BE NO STEEPER THAN 2 HORIZONTAL TO 1 VERTICAL AND SHALL HAVE

- CUT SLOPES SHALL BE NO STEEPER THAN 2 HORIZONTAL AND 1 VERTICAL.
- NOT LESS THAN 90% COMPACTION AT THE FINISHED SURFACE, UNLESS SUPPORTED BY A SOIL STUDY PERFORMED BY A SOILS ENGINEER.
- 5. FILLS SHALL BE COMPACTED THROUGHOUT TO 90% DENSITY AS DETERMINED BY THE ASTM: D-1557-78, AND CERTIFIED BY THE SOIL ENGINEER.
- 6. CUT AND FILL SLOPES SHALL BE PLANTED WITH AN APPROVED GROUND COVER FOR EROSION
- 7. PLANTED SLOPES SHALL BE WATERED AND MAINTAINED.
- 8. FILL AREAS SHALL BE CLEANED OF ALL VEGETATION AND DEBRIS, SCARIFIED AND INSPECTED BY GRADING INSPECTOR OR SOIL ENGINEER AND APPROVED SOIL-TESTING AGENCY PRIOR TO PLACING OF FILL.
- 9. PRIOR TO PLACING FILLS, THE BASINS LEFT BY PULLING TREES SHALL BE INSPECTED AND APPROVED BY THE GRADING INSPECTOR OR SOIL ENGINEER.
- 10. AS FILLS ARE PLACED, SLOPE BENCHING SHALL BE PROVIDED IF NATURAL GRADE IS OVER 5 HORIZONTAL TO 1 VERTICAL. BENCHING SHALL BE A MINIMUM OF 5' WIDTH, 15' IN WIDTH AT THE TOE WITH 5' EXPOSED.
- 11. ALL EXISTING FILLS SHALL BE APPROVED BY THE GRADING INSPECTOR OR SOIL ENGINEER OR REMOVED BEFORE ANY ADDITIONAL FILLS ARE ADDED.
- 12. THE EXISTING IRRIGATION LINES AND CISTERNS SHALL BE REMOVED, OR CRUSHED IN PLACE AND BACKFILLED, AND APPROVED BY THE GRADING INSPECTOR OR SOIL ENGINEER.
- 13. APPROVED EROSION PROTECTION DEVICES SHALL BE PROVIDED AND MAINTAINED DURING THE RAINY SEASON AND SHALL BE IN THE PLACE AT THE END OF EACH DAY'S WORK.
- 14. SANITARY FACILITIES SHALL BE MAINTAINED ON THE SITE FROM BEGINNING TO COMPLETION OF GRADING OPERATIONS PER CITY OF REDONDO REGULATIONS ON CONSTRUCTION SANITATION FACILITY.
- 15. THE LOCATION AND PROTECTION OF ALL UTILITIES IS THE RESPONSIBILITY OF THE PERMITTEE.
- OPERATION IS READY FOR ROUGH GRADING INSPECTION. WHEN ALL WORK INCLUDING INSTALLATION OF ALL DRAINAGE STRUCTURES AND PROTECTIVE DEVICES HAS BEEN COMPLETED AND REQUIRED REPORTS HAVE BEEN SUBMITTED.

16. THE PERMITTEE SHALL NOTIFY THE ENGINEERING AND BUILDING SERVICES WHEN THE GRADING

- 17. GRADING INSPECTION DURING INSTALLATION IS REQUIRED FOR ALL DRAIN DEVICES. FILL TERRACE BENCHES AND FILL SLOPES MUST BE APPROVED BY THE SOIL ENGINEER AND DESIGN ENGINEER PRIOR TO TERRACE PAVING.
- 18. DRAINAGE PIPE THAT WILL UNDERLAY STRUCTURES MUST BE REINFORCED CONCRETE OR CAST IRON AND THE STRUCTURE FOUNDATIONS MUST BE ENGINEERED BY A FOUNDATION ENGINEER. THE DESIGN ENGINEER SHALL BE RESPONSIBLE FOR DEPUTY INSPECTION DURING CONSTRUCTION OF THE PIPE AND WILL CERTIFY TO THE STABILITY AND THAT THE WORK WAS DONE TO HIS SATISFACTION.
- 19. SUBMISSION OF PROFESSIONAL OPINION THAT THE SUBSOILS HAVE SUFFICIENT STABILITY TO HOLD THE ADDITIONAL WEIGHT OF THE PROPOSED FILLS WITHOUT SETTLEMENT THAT WILL CAUSE DAMAGE TO PROPOSED IMPROVEMENTS MUST BE SUBMITTED MUST BE SUBMITTED TO THE BUILDING OFFICIALS PRIOR TO PLACEMENT OF FILL.
- 20. APPROVED EROSION PROTECTION DEVICES SHALL BE PROVIDED AND MAINTAINED FOR CONSTRUCTION DURING THE RAINY SEASON BETWEEN NOVEMBER 1ST AND APRIL 15TH AND SHALL BE IN PLACE AT THE END OF EACH DAY'S WORK.
- 21. ALL TRENCH BACKFILLS IN SLOPES OR LEVEL AREAS OF PRIVATE PROPERTY SHALL BE TESTED AND CERTIFIED BY THE SITE SOIL-TESTING FIRM. THE SOIL CERTIFICATION SHALL INCLUDE THE STABILITY OF THE BACKFILL AND THAT THE COMPACTION IN 90% OF THE MAXIMUM DRY DENSITY USING THE ASTM: D-1557-78.
- 22. ALL TRENCH BACKFILLS IN PUBLIC PROPERTY WHERE PRIVATE PROPERTY STRUCTURES OR SLOPES BEAR ON THEM FOR SUPPORT SHALL BE CERTIFIED BY THE SITE SOIL-TESTING FIRM.
- 23. THE ENGINEERING GEOLOGIST SHALL MAINTAIN PERIODIC INSPECTIONS AND SUBMIT A COMPLETE REPORT AND MAP UPON COMPLETION OF THE ROUGH GRADING.
- 24. ALL CUT SLOPES SHALL BE INVESTIGATED BOTH DURING AND AFTER GRADING BY AN ENGINEERING GEOLOGIST TO DETERMINE IF ANY SLOPE STABILITY PROBLEM EXISTS. SHOULD EXCAVATION DISCLOSE ANY GEOLOGICAL HAZARDS OR POTENTIAL GEOLOGIC HAZARDS, THE ENGINEERING GEOLOGIST SHALL RECOMMEND NECESSARY TREATMENT TO THE BUILDING OFFICIAL FOR APPROVAL.
- 25. WHERE SUPPORT OR BUTTRESSING OF CUT AND NATURAL SLOPE IS DETERMINED TO BE NECESSARY BY THE ENGINEERING GEOLOGIST AND SOIL ENGINEER, THE SOIL ENGINEER WILL SUBMIT DESIGN, LOCATION AND CALCULATIONS TO THE BUILDING OFFICIALS PRIOR TO CONSTRUCTIONS. THE ENGINEERING GEOLOGIST AND SOIL ENGINEER WILL INSPECT AND CONTROL THE CONSTRUCTION OF THE BUTTRESSING AND CERTIFY TO THE STABILITY OF THE SLOPE AND ADJACENT STRUCTURES UPON COMPLETION.
- 26. THE DESIGN ENGINEER SHALL EXERCISE SUFFICIENT SUPERVISORY CONTROL DURING GRADING AND CONSTRUCTION TO INSURE COMPLIANCE WITH THE APPROVED PLANS.
- 27. A GRADING PERMIT IS REQUIRED WHEN GRADING/EXCAVATION INVOLVES A CUT OR FILL DEPTH OF 3'-0" OR MORE AND/OR 200 CUBIC YARDS. SUBMIT GRADING PLANS AND SOILS REPORT TO THE BUILDING DIVISION FOR REVIEW AND APPROVAL. DUST SHALL BE CONTROLLED CONTINUOUSLY BY WATERING OR BY OTHER APPROVED MEANS IF EXCAVATION. CONTRACTOR SHALL NOTIFY THE UNDERGROUND SERVICE ALERT (USA-1-800-422-4133) PRIOR TO ANY EXCAVATION.
- 28. A SHORING PERMIT IS REQUIRED FOR ANY VERTICAL CUT OR FILL THAT IS 5'-0" IN HEIGHT OR OVER. ENGINEERED SHORING PLANS AND CALCULATION MUST BE SUBMITTED TO THE BUILDING DIVISION FOR REVIEW AND APPROVAL. PER SECTION 3301.2 OF THE CBC, THE HOLDER OF A SHORING PERMIT SHALL NOTIFY IN WRITING ALL THE OWNERS OF ADJOINING PROPERTIES NOT LESS THAN 10 DAYS BEFORE SUCH EXCAVATION IS TO COMMENCE. AN OSHA PERMIT IS ALSO REQUIRED, A COPY OF WHICH SHALL BE SUBMITTED TO THE BUILDING DIVISION. SHORING CONTRACTOR SHALL NOTIFY THE UNDERGROUND SERVICE ALERT (1-800-422-4133) PRIOR TO ANY EXCAVATION.

## BEST MANAGEMENT PRACTICES FOR CONSTRUCTION ACTIVITIES

- 1. ALL PERSONS WORKING AT THE SITE SHOULD OBTAIN, READ AND UNDERSTAND THE BEST MANAGEMENT PRACTICES PAMPHLET FOR THE TYPE(S) OF CONSTRUCTION BEING DONE.
- 2. STOCKPILE OF SOIL, DEMOLITION DEBRIS, CEMENT, SAND, TOP SOIL, ETC. MUST BE COVERED WITH A WATERPROOF MATERIAL OR BERMED TO PREVENT BEING WASHED OFF SITE.
- 3. FUELS, OILS, PAINTS, SOLVENTS, AND OTHER LIQUID MATERIALS MUST BE KEPT INSIDE BERMED
- AREAS. SPILLS MUST NOT BE WASHED TO THE STREET. 4. WASTE CONCRETE MUST NOT BE WASHED INTO STREET, STORM DRAIN CATCH BASINS, OR

PUBLIC RIGHT-OF-WAY. ALL DUST AND SLURRY FROM CONCRETE CUTTING MUST BE REMOVED

5. TRASH AND OTHER CONSTRUCTION SOLID WASTES MUST BE PLACED IN A COVERED TRASH RECEPTACLE.

SETTING BASINS, OR GOOD EROSION MANAGEMENT PRACTICES SUCH AS RESEEDING.

USING A WET-DRY VACUUM OR EQUIVALENT.

- 6. ERODED SOIL FROM DISTURBED SLOPES MUST BE CONTAINED USING BERMS, SILT FENCES,
- 7. WASH WATER FROM CLEANING CONSTRUCTION VEHICLES AND EQUIPMENT MUST BE KEPT ON-SITE WITHING A CONTAINMENT AREA.



NOT TO SCALE

#### LEGAL DESCRIPTION

PARCEL 1 P.M. NO. 13030 P.M.B. 144-3

APN: 7502-017-901

#### **ABBREVIATIONS**

| AC            | ASPHALTIC CONCRETE           | MIN  | MINIMUM                    |
|---------------|------------------------------|------|----------------------------|
| BCR           | BEGIN CURVE RETURN           | MH   | MANHOLE                    |
| BW            | BACK OF WALK                 | (N)  | NORTH                      |
| BLDG          | BUILDING                     | NTS  | NOT TO SCALE               |
| ВМ            | BENCH MARK                   | PA   | PLANTER AREA               |
| BS            | BOTTOM OF STAIRS             | POC  | POINT OF CONNECTION        |
| BMP           | BEST MANAGEMENT PRACTICES    | PIV  | POST INDICATOR VALVE       |
| СВ            | CATCH BASIN                  | PCC  | POINT OF COMPOUND CURVE    |
| CI            | CAST IRON                    | PRC  | POINT OF REVERSE CURVE     |
| CL            | CENTER LINE                  | PRV  | PRESSURE REDUCING VALVE    |
| CMU           | CONCRETE MASONRY UNIT        | PVC  | POLYVINYL CHLORIDE         |
| CO            | CLEANOUT                     | R    | RADIUS                     |
| CONC          | PORTLAND CEMENT CONCRETE     | RCIP | RECTANGULAR CAST IRON PIPE |
| CF            | CURB FACE                    | RD   | ROOF DRAIN                 |
| DW            | DOMESTIC WATER               | RW   | RIGHT-OF-WAY               |
| (E)           | EAST                         | (N)  | SOUTH                      |
| ECR           | END CURVE RETURN             | S=   | SLOPE EQUALS               |
| EG            | EDGE OF GUTTER               | SD   | STORM DRAIN                |
| EL. OR ELEV   | ELEVATION                    | SSMH | SANITARY SEWER MANHOLE     |
| ELEC          | ELECTRIC, ELECTRICAL         | SS   | SANITARY SEWER             |
| EX. OR EXIST. | EXISTING                     | STD  | STANDARD                   |
| FDC           | FIRE DEPARTMENT CONNECTION   | SDMH | STORM DRAIN MANHOLE        |
| FF            | FINISHED FLOOR               | TC   | TOP OF CURB                |
| FG            | FINISHED GRADE (LANDSCAPE)   | TEL  | TELEPHONE                  |
| FS            | FINISHED SURFACE (HARDSCAPE) | TG   | TOP OF GRATE               |
| FH            | FIRE HYDRANT                 | TOS  | TOP OF STAIRS              |
| FL            | FLOW LINE                    | TW   | TOP OF WALL                |
| FT            | FOOT OR FEET                 | TS   | TOP OF STAIRS              |
| FU            | FIXTURE UNITS                | TYP  | TYPICAL                    |
| FW            | FIRE WATER                   | TV   | TELEVISION                 |
| GPM           | GALLONS PER MINUTE           | VIF  | VERIFY IN FIELD            |
| GV            | GATE VALVE                   | VLT  | VAULT                      |
| HDPE          | HIGH DENSITY POLYETHYLENE    | VCP  | VITRIFIED CLAY PIPE        |
| HP            | HIGH POINT                   | (W)  | WEST                       |
| INV.          | INVERT                       | W    | WATER                      |
| LP            | LOW POINT                    | WM   | WATER METER                |
| MAX           | MAXIMUM                      | WV   | WATER VALVE                |
|               |                              |      |                            |

#### **LEGEND ANNOTATION**

100.00 XX SURFACE ELEVATION/UTILITY ELEVATION (100.00)XX EXISTING SURFACE ELEVATION/UTILITY ELEVATION /(XX) CONSTRUCTION NOTE FLOW (DIRECTION AND GRADE) SLOPE (DIRECTION AND RUN:RISE)

XX HORIZONTAL CONTROL POINT LABEL CX CURVE DATA LABEL PAD/FINISHED FLOOR ELEVATION FF=100.00

CURB/BACK OF CURB/GUTTER RETAINING WALL/SITE WALL PROPERTY LINE/RIGHT OF WAY \_\_\_\_ CENTER LINE

TO BE DEMOLISHED **EROSION CONTRO** 

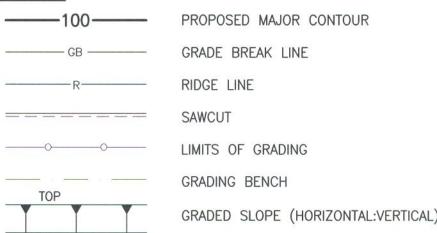
FENCE

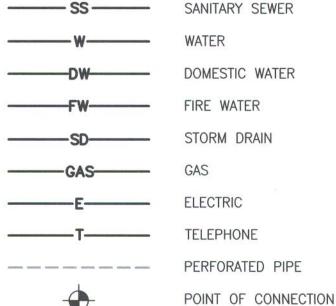
FIBER ROLL PROPOSED BUILDING EXCAVATION OUTLINE EXISTING DRAINAGE DIRECTION OF FLOW

SANDBAGS

PROTECT TREE IN PLACE

## **GRADING**





COORDINATION POINT

CAP OR PLUG

UTILITY MANHOLE

UTILITY CLEANOUT

STORM DRAIN INLET

UTILITY METER VAULT

AREA DRAIN/PLANTER DRAIN

\_\_\_\_ -

TRENCH DRAIN FIRE HYDRANT THRUST BLOCK FIRE DEPARTMENT CONNECTION (FDC)

POST INDICATOR VALVE (PIV) WATER VALVE BACKFLOW ASSEMBLY

#### SHEET INDEX

C000 TITLE SHEET EROSION CONTROL PLAN GRADING PLAN C300 LOW IMPACT

#### PROJECT DIRECTORY

CIVIL ENGINEER: FRANK LAROCCA 319 MAIN STREET

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PAUL MURDOCH ARCHITECTS

DEVELOPMENT/DRAINAGE PLAN

UTILITY PLAN C400 C500 FIRE ACCESS PLAN

JOHN LABIB + ASSOCIATES EL SEGUNDO, CA 90045 TEL: 213.239.9700

PAUL MURDOCH ARCHITECTS

SIVA SIVATHASAN 717 SOUTH MYRTLE AVE MONROVIA, CA 91016 TEL: 626.930.1200



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CONCLUSIVE EVIDENCE OF ACCEPTANCE OF THE RESTRICTIONS. WRITTEN DIMENSIONS ON THESE

AWINGS SHALL HAVE PRECEDENCE OVER

VERIFY AND BE RESPONSIBLE FOR ALL
DIMENSIONS AND CONDITIONS ON THE JOB AND

VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP

DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR REVIEW BEFORE PROCEEDING WITH FABRICATION

SCALED DIMENSIONS. CONTRACTORS SHALL

IS OFFICE MUST BE NOTIFIED OF ANY

USED IN CONNECTION WITH ANY WORK OR PROJECT OTHER THAN THE SPECIFIC PROJECT FOR

Tel: 213.239.9700 JLA Job No. 19725

El Segundo, CA 90245



REVISION

NO. DATE

BEACH CITIES HEALTH DISTRICT HEALTHY LIVING CAMPUS

514 NORTH PROSPECT AVE REDONDO BEACH, CA 90277

PMA PROJECT NO. 19010

DRAWING TITLE TITLE SHEET

CHECKED

Checker

AS NOTED DATE 01/06/20 DRAWN

Author SHEET NO.

SECTION 4216/4217 OF THE GOVERNMENT CODE REQUIRES A DIGALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID. FOR YOUR DIGALERT I.D. NUMBER CALL UNDERGROUND SERVICE ALERT

1-800-227-2600

UNDERGROUND LOCATING

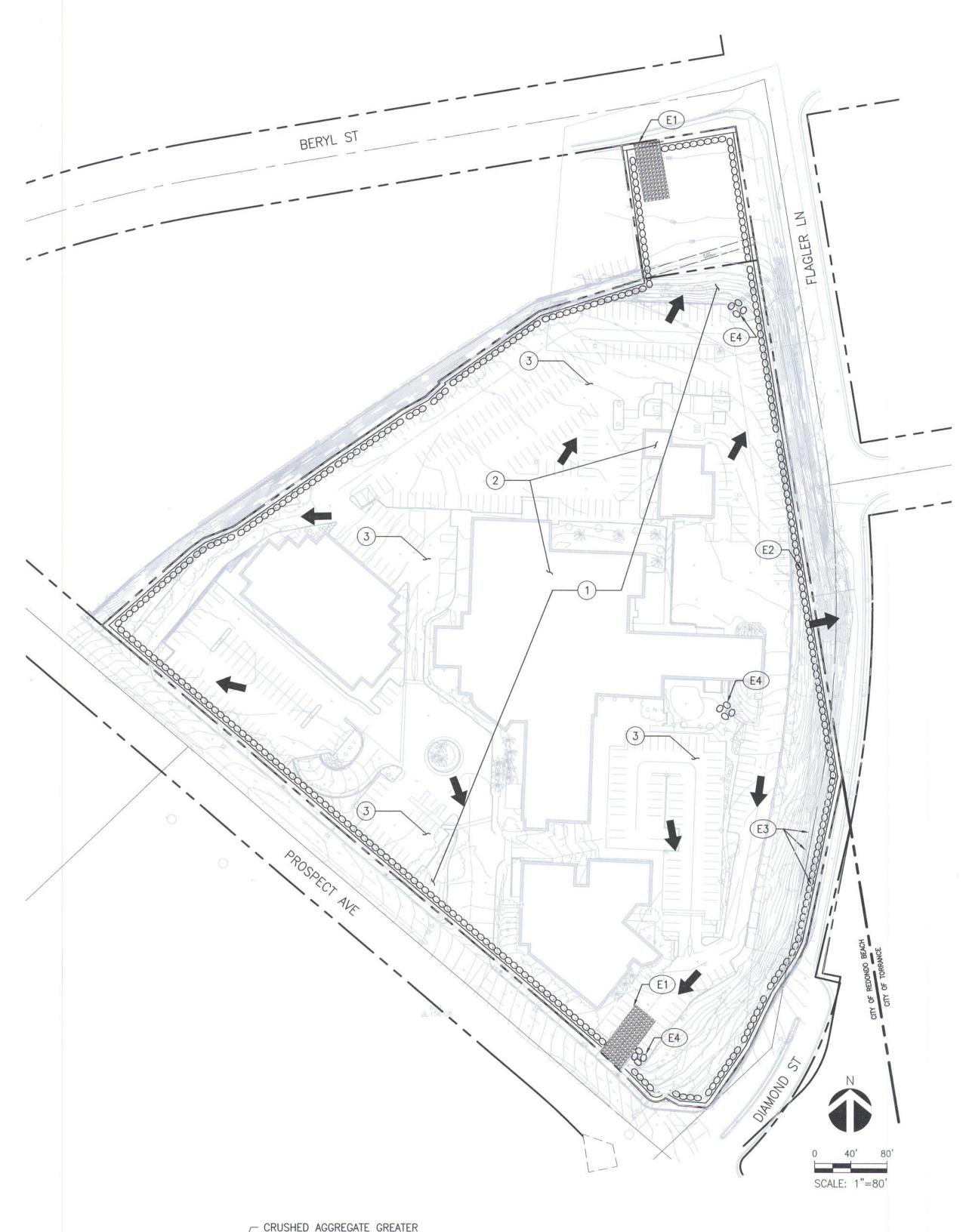
48 HOURS BEFORE YOU

CALL USA/SC FOR

IMPORTANT NOTICE

DAYS BEFORE YOU DIG

TOLL FREE 1-800-227-2600 TWO WORKING



THAN 3" BUT SMALLER THAN 6"

GRADE

- FILTER FABRIC

LIMIT LINE OF DEMOLITION

**GEOTEXTILE** 

FILTER FABRIC

(3"-6" DIA. STONES)

1. THE CONSTRUCTION ENTRANCE ROADWAYS SHALL BE

STABILIZED SO AS TO PREVENT SEDIMENTS FROM BEING

DEPOSITED INTO THE PUBLIC ROADS. DEPOSITIONS MUST

DOWN BY RAIN OR OTHER MEANS INTO THE STORM DRAIN

LEAVING A CONSTRUCTION SITE OR FROM A PUBLIC RIGHT

SOME KIND MUST ALSO BE PROVIDED TO COLLECT WASH

BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED

2. STABILIZED CONSTRUCTION ENTRANCE SHALL BE LOCATED

AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR

OF WAY, STREET, ALLEY, AND SIDEWALK OR PARKING

4. ALL VEHICLES ACCESSING THE CONSTRUCTION SITE SHALL

1. REMOVE ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS

2. SWEEP PAVED AREAS THAT RECEIVE CONSTRUCTION TRAFFIC

3. PAVEMENT WASHING WITH WATER IS PROHIBITED IF IT RESULTS IN

ER1-STABILIZED CONSTRUCTION ENTRANCE

3. IF A WASH RACK IS INCLUDED, A SEDIMENT TRAP OF

UTILIZE THE STABILIZED CONSTRUCTION ENTRANCE.

CRUSHED AGGREGRATE

12" MIN. UNLESS OTHERWISE -SPECIFIED BY A SOILS ENGINEER

SYSTEM.

WATER RUNOFF.

IMMEDIATELY.

STREET MAINTENANCE NOTES

WHENEVER SEDIMENT BECOMES VISIBLE.

A DISCHARGE TO THE STORM DRAIN SYSTEM.

## **LEGEND**

LIMIT LINE OF EROSION CONTROL

GRAVEL BAGS

PROPERTY LINE

FIBER ROLL

DIRECTION OF FLOW

#### DEMOLITION NOTES

#### REMOVE & DEMOLISH

- (1) SEE GENERAL DEMOLITION NOTES HEREON.
- (2) DEMO AND REMOVE ITEM (AS NEEDED FOR CONSTRUCTION) AS NOTED.
- (3) DEMO EXISTING ASHPHALT PAVING.

#### **EROSION CONTROL NOTES**

- POSSIBLE STABILIZED CONSTRUCTION ENTRANCE LOCATIONS PER DETAIL 1, HEREON. CONTRACTOR TO LOCATE AS NECESSARY FOR
  - CONSTRUCTION ACTIVITIES.
- (E2) PLACE SANDBAGS TRIPLE ROW PER DETAIL 2, HEREON. (E3) PLACE FIBER ROLL PER DETAIL 3, HEREON.
- (E4) PLACE INLET PROTECTION PER DETAIL 4, HEREON.

THE FOLLOWING BMPS AS OUTLINED IN, BUT NOT LIMITED TO, THE BEST MANAGEMENT PRACTICE HANDBOOK, CALIFORNIA STORMWATER QUALITY TASK FORCE, SACRAMENTO, CALIFORNIA, JULY 2012, MAY APPLY DURING THE CONSTRUCTION OF THIS PROJECT (ADDITIONAL MEASURES MAY BE REQUIRED IF DEEMED APPROPRIATE BY CITY INSPECTORS):

#### **EROSION CONTROL**

EC13-RESERVED

EC1-SCHEDULING EC2-PRESERVATION OF EXISTING VEGETATION EC3-HYDRAULIC MULCH EC4-HYDROSEEDING EC5-SOIL BINDERS EC6-STRAW MULCH EC7-GEOTEXTILES AND MATS EC8-WOOD MULCHING EC9-EARTH DIKES AND DRAINAGE SWALES EC10-VELOCITY DISSIPATION DEVICES EC11-SLOPE DRAINS EC12-STREAMBANK STABILIZATION

#### FC15-SOIL PREPARATION / ROUGHENING EC16-NON-VEGETATIVE STABILIZATION

TEMPORARY SEDIMENT CONTROL

EC14-COMPOST BLANKET

SE1-SILT FENCE SE2-SEDIMENT BASIN SE3-SEDIMENT TRAP SE4-CHECK DAM SE5-FIBER ROLLS SE6-GRAVEL BAG BERM SE7-STREET SWEEPING AND VACUUMING SE8-SANDBAG BARRIER SE9-STRAW BALE BARRIER SE10-STORM DRAIN INLET PROTECTION SE11-ACTIVE TREATMENT SYSTEMS SE12-MANUFACTURED LINEAR SEDIMENT CONTROLS SE13-COMPOST SOCKS AND BERMS SE14-BIOFILTER BAGS

#### EQUIPMENT TRACKING CONTROL

TC1-STABILIZED CONSTRUCTION ENTRANCE/EXIT TC2-STABILIZED CONSTRUCTION ROADWAY TC3-ENTRANCE/OUTLET TIRE WASH

## WIND EROSION CONTROL

WE1-WIND EROSION CONTROL NON-STORMWATER MANAGEMENT

NS1-WATER CONSERVATION PRACTICES NS2-DEWATERING OPERATIONS NS3-PAVING AND GRINDING OPERATIONS NS4-TEMPORARY STREAM CROSSING NS5-CLEAR WATER DIVERSION NS6-ILLICIT CONNECTION/DISCHARGE NS7-POTABLE WATER/IRRIGATION NS8-VEHICLE AND EQUIPMENT CLEANING NS9-VEHICLE AND EQUIPMENT FUELING NS10-VEHICLE AND EQUIPMENT MAINTENANCE NS12-CONCRETE CURING NS13-CONCRETE FINISHING NS14-MATERIAL OVER WATER NS15-DEMOLITION ADJACENT TO WATER

#### WASTE MANAGEMENT & MATERIALS POLLUTION CONTROL

NS16-TEMPORARY BATCH PLANTS

WM1-MATERIAL DELIVERY AND STORAGE WM2-MATERIAL USE WM3-STOCKPILE MANAGEMENT WM4-SPILL PREVENTION AND CONTROL WM5-SOLID WASTE MANAGEMENT WM6-HAZARDOUS WASTE MANAGEMENT WM7-CONTAMINATED SOIL MANAGEMENT WM8-CONCRETE WASTE MANAGEMENT WM9-SANITARY/SEPTIC WASTE MANAGEMENT WM10-LIQUID WASTE MANAGEMENT

#### GENERAL DEMOLITION NOTES

- 1. CONTRACTOR TO CLEAR PROJECT SITE AREA WITHIN THE CONFINES OF THE DEMOLITION LIMIT LINE. THE CONTRACTOR SHALL DEMOLISH AND REMOVE FROM THE SITE ALL EXISTING UTILITIES, STRUCTURES, PLANTERS, TREES, AND ALL OTHER SITE FEATURES, UNLESS OTHERWISE NOTED ON THE PLAN.
- 2. REMOVAL OF LANDSCAPING SHALL INCLUDE ROOTS AND ORGANIC MATERIALS.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY AND ALL PERMITS AND SHALL PAY ALL FEES NECESSARY FOR ENCROACHMENT, GRADING, DEMOLITION AND DISPOSAL OF SAID MATERIALS AS REQUIRED BY PRIVATE, LOCAL AND STATE JURISDICTIONS.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR A SITE INSPECTION TO FULLY ACKNOWLEDGE THE EXTENT OF THE DEMOLITION WORK.
- 5. THE CONTRACTOR SHALL VERIFY AND LOCATE ALL EXISTING ABOVE AND UNDERGROUND UTILITIES. LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND ARE SHOWN FOR GENERAL INFORMATION ONLY.
- 6. DAMAGE TO ANY EXISTING UTILITIES AND SERVICES TO REMAIN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL REPAIR AND/OR REPLACE IN KIND.
- 7. EROSION CONTROL MEASURES SHALL BE IMPLEMENTED TO PREVENT DEBRIS AND UNSUITABLE MATERIALS FROM ENTERING STORM DRAINS, SANITARY SEWERS AND STREETS.
- 8. DUST CONTROL SHALL BE IMPLEMENTED DURING DEMOLITION.
- 9. DEMOLITION IS LIMITED TO WITHIN DEMOLITION LIMIT LINE UNLESS NOTED OTHERWISE.
- 10. THE CONTRACTOR SHALL VERIFY THE LOCATION AND QUANTITY OF EXISTING SURFACE STRUCTURES AND SHALL BE SOLELY RESPONSIBLE FOR ANY UNIDENTIFIED UTILITIES, IMPROVEMENTS, TREES, ETC. TO BE DEMOLISHED AND REMOVED WITHIN THE DEMOLITION LIMIT LINE, INCLUDING APPURTENANT FOUNDATIONS OR SUPPORTS.
- 11. DEMOLITION CALLOUTS IN THIS SECTION ARE REPRESENTATIVE OF WHAT IS TO BE DONE, NOT AN ITEMIZED ACCOUNTING FOR EACH PIPE, CATCH BASIN, MANHOLE, VAULT, ETC. THAT IS TO BE DEMOLISHED, REMOVED AND DISPOSED OF.

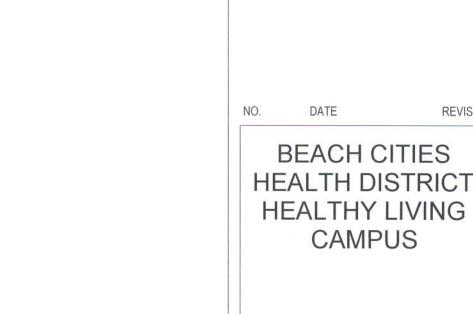
#### **EROSION CONTROL NOTES**

- 1. TEMPORARY EROSION CONTROL DEVICES SHOWN ON THE GRADING PLAN WHICH INTERFERE WITH THE WORK SHALL BE RELOCATED OR MODIFIED AS AND WHEN THE INSPECTOR SO DIRECTS AS THE WORK PROGRESSES TO MEET "AS GRADED"
- 2. ALL LOOSE SOIL AND DEBRIS SHALL BE REMOVED FROM THE STREET AREAS UPON STARTING OPERATIONS AND PERIODICALL THEREAFTER AS DIRECTED BY THE INSPECTOR
- 3. WHEN THE INSPECTOR SO DIRECTS, A 12-INCH BERM SHALL BE MAINTAINED ALONG THE TOP OF THE SLOPE OF THOSE FILLS ON WHICH GRADING IS NOT IN PROGRESS.
- 4. STORM AND SEWER DRAIN TRENCHES THAT ARE CUT THROUGH BASIN DIKES OR BASIN INLET DIKES SHALL BE PLUGGED WITH
- 5. EXCEPT WHEN THE INSPECTOR DIRECTS OTHERWISE, ALL DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN RAIN IS FORECAST, AND SHALL BE MAINTAINED DURING THE RAINY SEASON (OCTOBER 15 TO APRIL 15).
- 6. SANDBAGS SHALL BE STOCKPILED ON SITE, READY TO BE PLACED IN POSITION WHEN RAIN IS FORECAST, OR WHEN THE INSPECTOR SO DIRECTS.
- 7. A "STANDBY EMERGENCY CREW" SHALL BE ALERTED BY THE PERMITTEE OR THE CONTRACTOR TO PERFORM EMERGENCY WORK DURING RAINSTORMS. THE PARTY TO BE CONTACTED IS: .\_\_\_\_\_ (TO BE FILLED IN BY CONTRACTOR) PHONE NUMBER:

#### **DUST CONTROL NOTES**

- 1. DUST SHALL BE CONTROLLED BY WATERING AND/OR APPLYING A DUST PALLIATIVE. THE DUST PALLIATIVE SHALL BE APPLIED IN THE AMOUNT AT THE LOCATIONS AS DIRECTED BY THE ENGINEER.
- 2. WATER FOR DUST CONTROL SHALL BE APPLIED BY MEANS OF PRESSURE TYPE DISTRIBUTORS OR PIPE LINES EQUIPPED WITH A SPRAY SYSTEM OR HOSES WITH NOZZLES THAT WILL INSURE A UNIFORM APPLICATION OF WATER.
- 3. UNLESS WATER IS APPLIED BY MEANS OF PIPE LINES, AT LEAST ONE MOBILE UNIT WITH A MINIMUM CAPACITY OF 100 GALLONS SHALL BE AVAILABLE FOR APPLYING WATER.
- 4. ALL SOIL MATERIALS OR DEBRIS TRUCKED FROM THE SITE SHALL BE COVERED AND SPRINKLED PRIOR TO ENTERING PUBLIC STREETS.
- 5. PROVIDE FOR WET SUPPRESSION OR CHEMICAL STABILIZING OF EXPOSED SOILS.
- 6. PROVIDE FOR RAPID CLEAN-UP OF SEDIMENTS DEPOSITED ON THE PAVED ROADS.
- 7. LIMIT THE AMOUNT OF AREAS DISTURBED BY CLEARING & EARTH MOVING OPERATIONS BY SCHEDULING THESE ACTIVITIES IN PHASES.





PMA PROJECT NO.

19010

DRAWING TITLE EROSION

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WHICH THEY HAVE BEEN PREPARED AND
DEVELOPED WITHOUT THE WRITTEN CONSENT O

THE ARCHITECT, VISUAL CONTACT WITH THESE DRAWINGS OR SPECIFICATIONS SHALL CONSTITUT

AWINGS SHALL HAVE PRECEDENCE OVER

SCALED DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL
DIMENSIONS AND CONDITIONS ON THE JOB AND

IS OFFICE MUST BE NOTIFIED OF ANY

Labib Funk + Associates Burnett + Young

ructural | Civil Engineers Shoring Enginee

319 Main Street

CONCLUSIVE EVIDENCE OF ACCEPTANCE OF THESE
RESTRICTIONS. WRITTEN DIMENSIONS ON THESE

VARIATIONS FROM THE DIMENSIONS AND
CONDITIONS SHOWN BY THESE DRAWNGS. SHOP
DETAILS MUST BE SUBMITTED TO THIS OFFICE FOR
REVIEW BEFORE PROCEEDING WITH FABRICATION

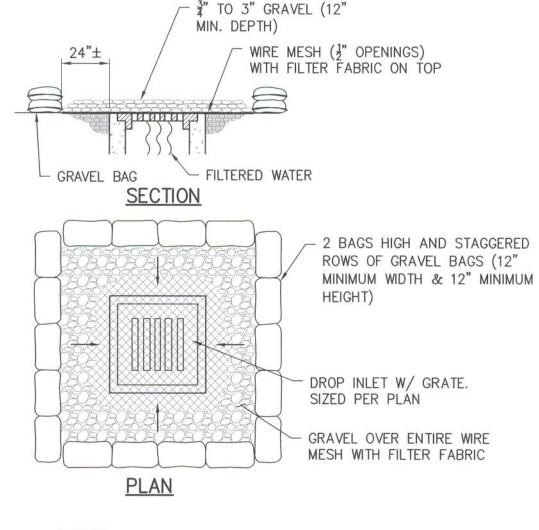
DESIGNS, AND ARRANGEMENTS REPRESENTED THEREBY ARE AND SHALL REMAIN THE PROPERTY

JSED IN CONNECTION WITH ANY WORK OR PROJECT OTHER THAN THE SPECIFIC PROJECT FOR

CONTROL PLAN

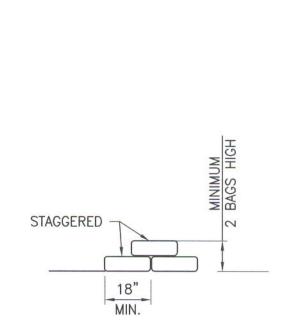
AS NOTED DATE 01/06/20 DRAWN CHECKED Author Checker

SHEET NO.



- 1. PLACE WIRE MESH OVER AND 1' (MINIMUM) BEYOND THE INLET STRUCTURE. (MESH OPENINGS NOT TO EXCEED 1 x 1 WIRE)
- 2. PLACE FILTER FABRIC OVER WIRE MESH.
- 3. PLACE ₹" TO 3" GRAVEL OVER THE WIRE MESH WITH FILTER FABRIC (12" MINIMUM DEPTH OVER THE ENTIRE INLET OPENING).
- 4. BAG MATERIAL: BAGS SHOULD BE WOVEN POLYPROPYLENE, POLYETHYLENE OR POLYAMIDE FABRIC, MINIMUM UNIT WEIGHT OF 4 OUNCES/YD2, MULLEN BURST STRENGTH EXCEEDING 300 LB/IN2 IN CONFORMANCE WITH THE REQUIREMENTS IN ASTM DESIGNATION D3786, AND ULTRAVIOLET STABILITY EXCEEDING 70% IN CONFORMANCE WITH THE REQUIREMENTS IN ASTM DESIGNATION D4355.
- 5. BAG SIZE: EACH GRAVEL-FILLED BAG SHOULD HAVE A LENGTH OF 18 IN., WIDTH OF 12 IN., THICKNESS OF 3 IN., AND MASS OF APPROXIMATELY 33 LBS. BAG DIMENSIONS ARE NOMINAL. AND MAY VARY BASED ON LOCALLY AVAILABLE MATERIALS.
- 6. FILL MATERIAL: FILL MATERIAL SHALL BE 0.5 TO 1.0 INCH CRUSHED ROCK, CLEAN AND FREE OF CLAY. ORGANIC MATTER, AND OTHER DELETERIOUS MATERIAL, OR OTHER SUITABLE OPEN-GRADED, NON-COHESIVE, POROUS GRAVEL.
- 7. USE PYRAMID APPROACH WHEN STACKING BAGS.
- 8. LEAVE GAP OF ONE BAG ON TOP ROW TO SERVE AS SPILLWAY.





- 1. BAG MATERIAL: BAGS SHOULD BE WOVEN POLYPROPYLENE, POLYETHYLENE OR POLYAMIDE FABRIC, MINIMUM UNIT WEIGHT OF 4 OUNCES/YD2. MULLEN BURST STRENGTH EXCEEDING 300 LB/IN2 IN CONFORMANCE WITH THE REQUIREMENTS IN ASTM DESIGNATION D3786, AND ULTRAVIOLET STABILITY EXCEEDING 70% IN CONFORMANCE WITH THE REQUIREMENTS IN ASTM DESIGNATION
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- 3. FILL MATERIAL: FILL MATERIAL SHALL BE 0.5 TO 1.0 INCH CRUSHED ROCK, CLEAN AND FREE OF CLAY, ORGANIC MATTER, AND OTHER DELETERIOUS MATERIAL, OR OTHER SUITABLE OPEN-GRADED, NON-COHESIVE, POROUS GRAVEL.
- 4. TURN THE ENDS OF GRAVEL BAG BARRIER UP SLOPE TO PREVENT RUNOFF FROM GOING AROUND BARRIER.
- 5. USE PYRAMID APPROACH WHEN STACKING BAGS.





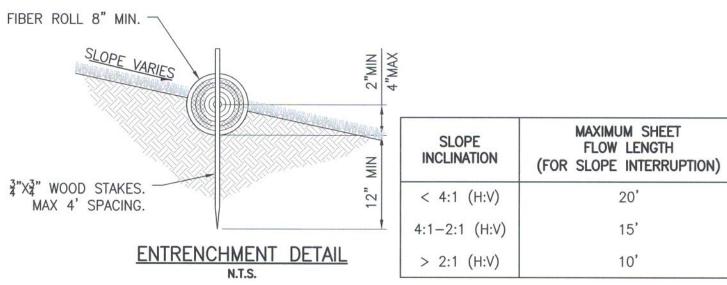
FIBER ROLL INSTALL FIBER ROLL NEAR SLOPE WHERE IT TRANSITIONS INTO A

STEEPER SLOPE.

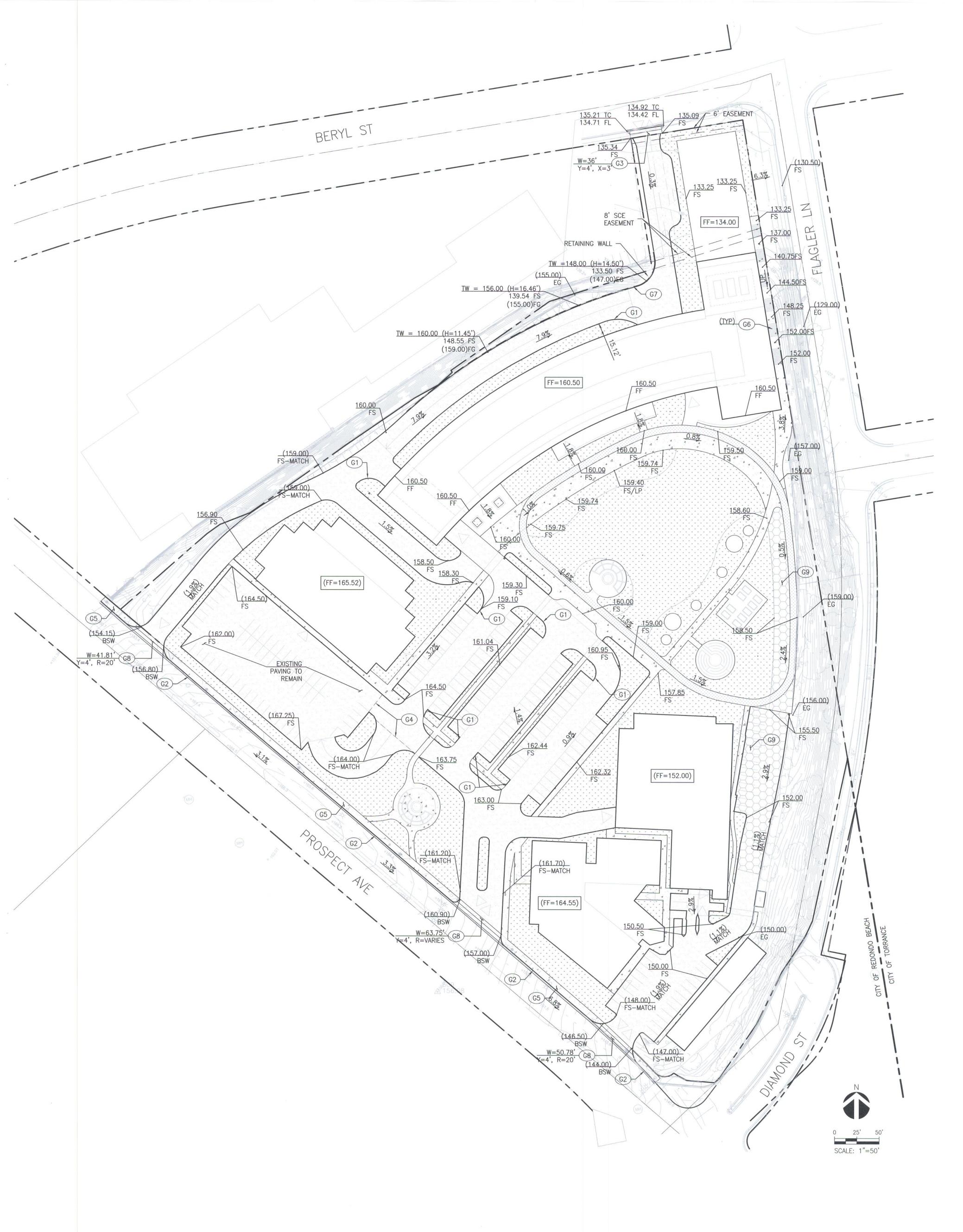
INSTALL FIBER ROLL ALONG A

LEVEL CONTOUR. PERPENDICULAR

TYPICAL FIBER ROLL INSTALLATION DETAIL



\ ER3-FIBER ROLL



# LANDSCAPE BY OTHERS. CONCRETE PAVING. ASPHALT PAVING. DEPTH OF ASPHALT AND BASE TO MATCH EXISTING.

BASE TO MATCH EXISTING.

COMPACTED DG PER LANDSCAPE PLANS.

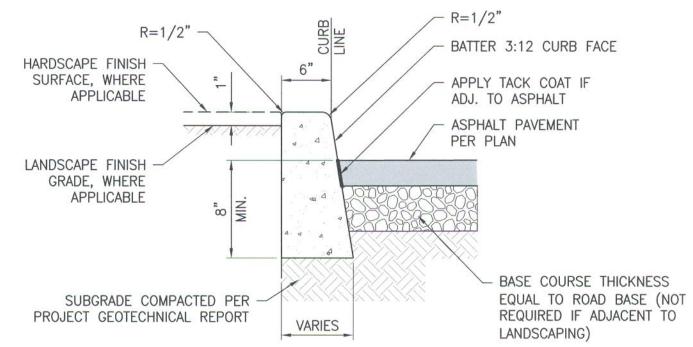
COMPACTED DG PER LANDSCAPE |
GRASSCRETE.

#### CONSTRUCTION NOTES

- G1) INSTALL 6" CONCRETE CURB PER DETAIL 1, HEREON.
- G2 INSTALL CURB AND GUTTER PER APWA STD PLAN 120-1.
- G3 INSTALL DRIVEWAY APRON PER APWA STD PLAN 110-2, TYPE B.
- (G4) SAWCUT TO LIMIT AS SHOWN.
- G5) INSTALL SIDEWALK PAVING PER DETAIL 3, HEREON.
- G6 STAIRS ON GRADE PER DETAIL 5, HEREON.
- (G7) INSTALL RETAINING WALL BY OTHERS.
- (G8) INSTALL DRIVEWAY APRON PER APWA STD PLAN 110-2, TYPE C.

#### NOTES:

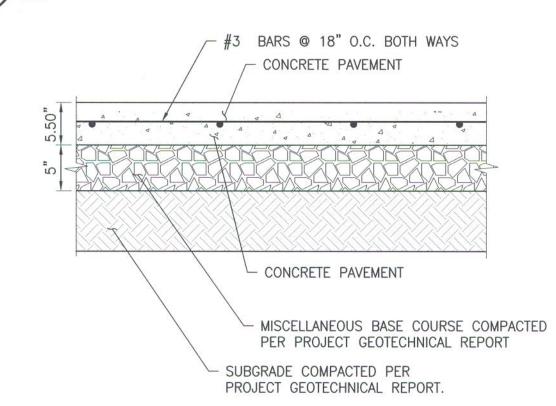
 ALL PAVING AND PAVERS SHALL BE INSTALLED PER RECOMMENDATIONS STATED IN THE PROJECT GEOTECHNICAL REPORT.



#### OTES:

- 1. ISOLATION JOINTS SHALL BE PLACED ONLY AS SPECIFIED.
- CONTROL JOINTS CONSISTING OF 1" DEEP SCORES SHALL BE PLACED AT 10' INTERVALS O.C.
- 3. WHERE A WALK IS ADJACENT TO THE CURB, THE JOINTS SHALL ALIGN WITH JOINTS IN

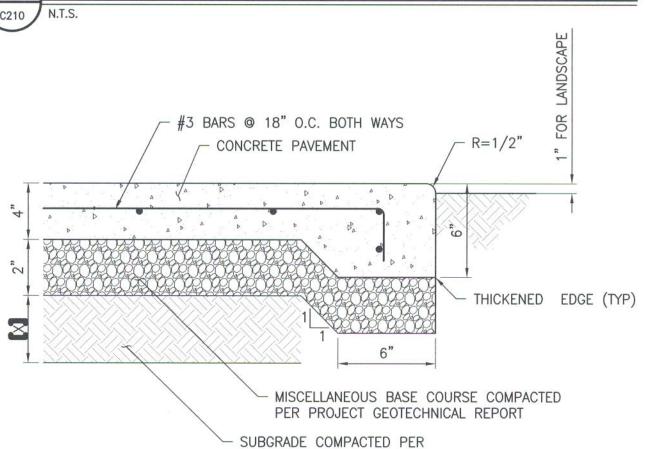




#### NOTES:

- 1. ALL TREAD SURFACES SHALL BE SLIP-RESISTANT.
- 2. REFER TO ARCHITECTURAL DRAWINGS FOR COLOR, PATTERN, TEXTURE, AND FINISH.
- 3. SEE PLAN FOR LOCATION OF CONTROL JOINTS.
- 4. CONCRETE STRENGTH f'c = 3500 PSI MIN.

2 VEHICULAR CONCRETE DETAIL



# NOTES:

- ALL TREAD SURFACES SHALL BE SLIP—RESISTANT.
- 2. REFER TO ARCHITECTURAL DRAWINGS FOR COLOR, PATTERN, TEXTURE, AND FINISH.

PROJECT GEOTECHNICAL REPORT.

3. SEE PLAN FOR LOCATION OF CONTROL JOINTS.

3 CONCRETE WALK SECTION
C210 N.T.S.

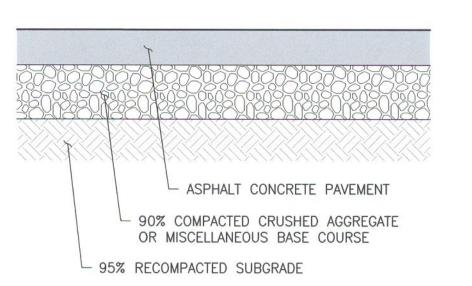
#### ESTIMATED EARTHWORK QUANTITIES

| NET (FILL/IMPORT):                       | 8.950 CUBIC YAR |
|--|-----------------|
| FILL:  (FROM EXISTING HOSPITAL BASEMENT) | 16,760 CUBIC YA |
| CUT:                                     | 7,810 CUBIC YAF |
| REMOVAL AND RECOMPACTION:                | O CUBIC YARD    |

EARTHWORK CALCULATION NOTES:

1. ESTIMATED EARTHWORK ABOVE IS BASED ON DESIGN FINISH GRADES TO EXISTING GRADES AND/OR CONTOURS AS PROVIDED ON THE BASE SURVEY. THE ESTIMATED EARTHWORK DOES NOT ACCOUNT FOR THE THICKNESS OF PAVEMENTS, FOUNDATIONS AND SLABS ON GRADE, FOOTINGS, AND CONSTRUCTION MEANS AND METHODS.

- 2. THE ESTIMATED EARTHWORK QUANTITIES DO NOT INCLUDE SHRINKAGE AND/OR EXPANSION FACTORS DUE TO COMPACTION OR OVER EXCAVATION QUANTITIES.
- 3. ESTIMATED EARTHWORK QUANTITIES ABOVE ASSUME THAT ALL ONSITE MATERIALS ARE SUITABLE FOR BACKFILLING. HOWEVER, ACTUAL EXISTING ONSITE MATERIALS AND IMPORTED MATERIALS MUST FIRST BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO INSTALLATION, REMOVAL, REPLACEMENT.
- 4. REMEDIAL GRADING INCLUDES OVEREXCAVATION OF 3' VERTICAL AND 5' HORIZONTAL EXCAVATIONS BELOW ANY PROPOSED FOUNDATION.

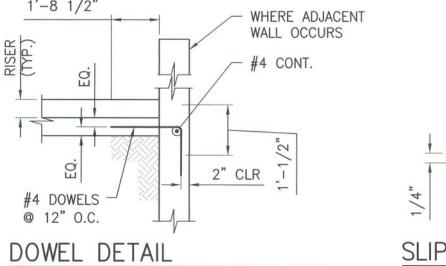


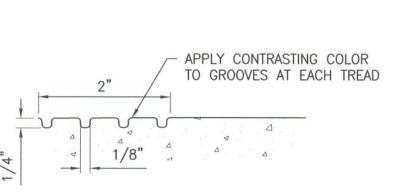
| A.C. PAVEMENT TYPE  | ASPHALT<br>CONCRETE<br>(INCHES) | BASE<br>COURSE<br>(INCHES) |
|---------------------|---------------------------------|----------------------------|
| VEHICULAR PARKING   | 2.5"                            | 3.5"                       |
| HEAVY TRUCK TRAFFIC | 6"                              | 5.5"                       |

## 1. PAVEMENT SECTIONS ARE BASED ON RECOMMENDATIONS FROM THE PROJECT GEOTECHNICAL REPORT.

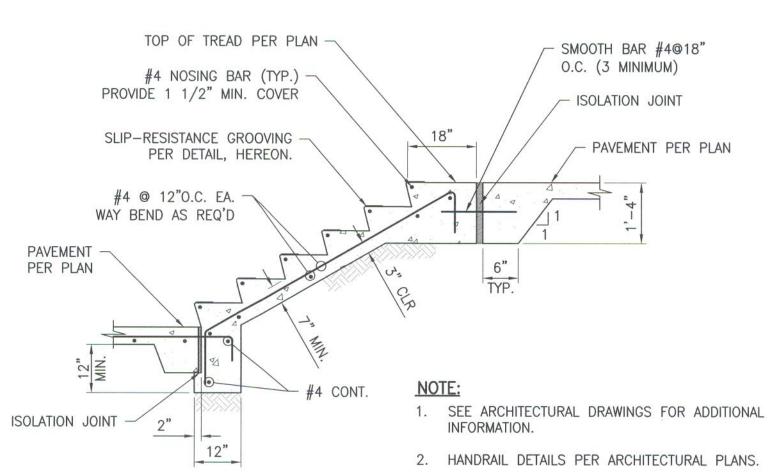
2. SUBGRADE PREPARATION SHALL BE PERFMOED PER THE RECOMMENDATIONS IN THE PROJECT GEOTECHNICAL REPORT







SLIP-RESISTANT GROOVING DETAIL

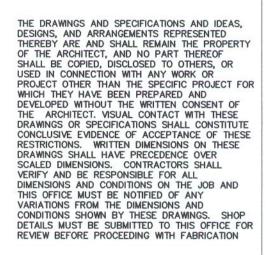


5 CONCRETE STAIRS ON GRADE



PAUL MURDOCH ARCHITECTS

8820 Wilshire Blvd. Suite 330 Beverly Hills, California 90211 310 358-0993 F.310 358-9196





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El Segundo, CA 90245
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JLA Job No. 19725



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BEACH CITIES
HEALTH DISTRICT
HEALTHY LIVING
CAMPUS

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PMA PROJECT NO.

19010

DRAWING TITLE

GRADING PLAN

SCALE

DATE

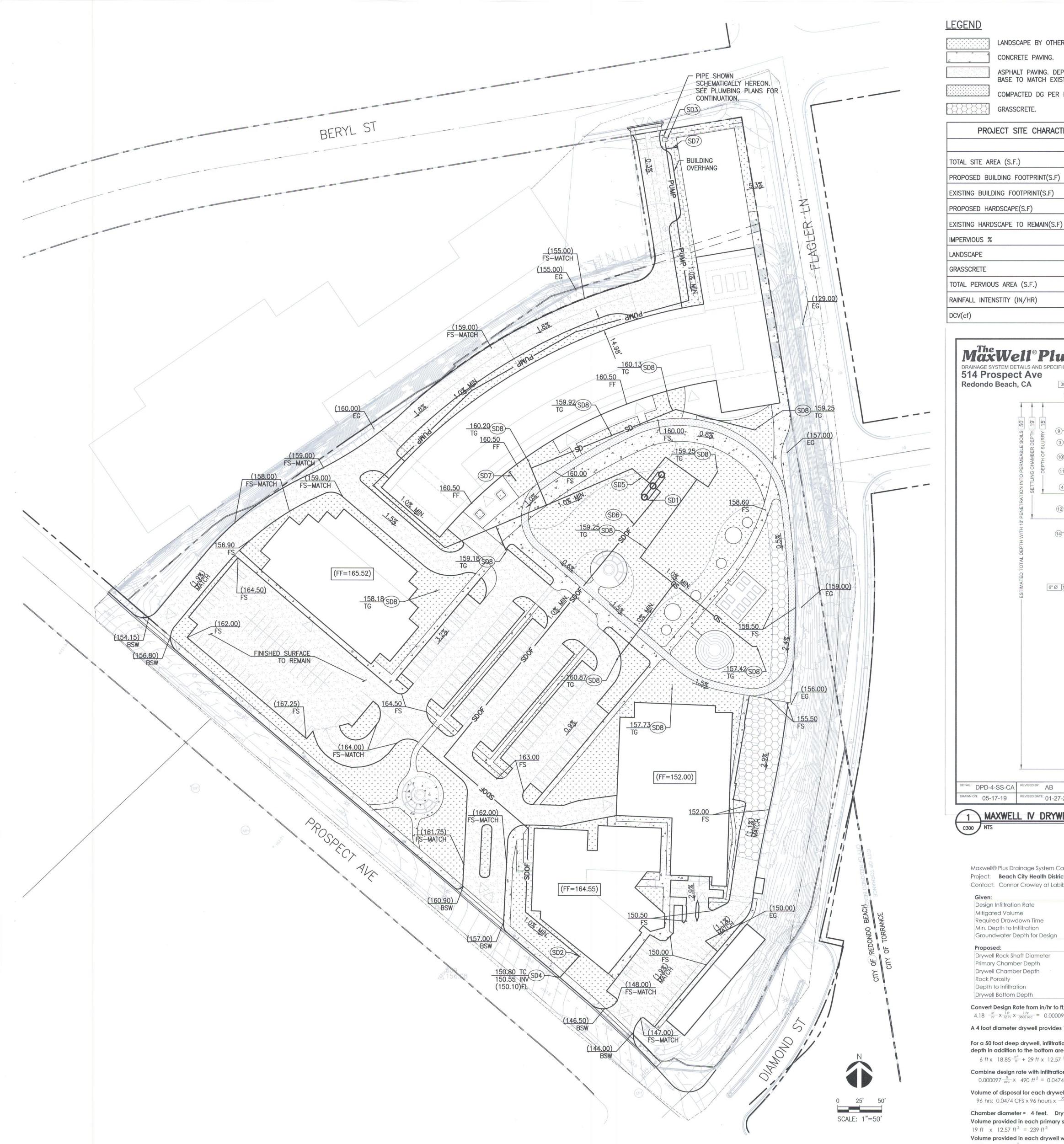
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DRAWN CHECKED

Author Checker

SHEET NO.

C210



#### **CONSTRUCTION NOTES**

LANDSCAPE BY OTHERS.

BASE TO MATCH EXISTING.

PROJECT SITE CHARACTERISTICS

ASPHALT PAVING. DEPTH OF ASPHALT AND

QUANTITIES

433,194

46,807

57,336

183,954

27,947

72%

109,097

11,053

120,150

0.75

8,696

COMPACTED DG PER LANDSCAPE PLANS.

CONCRETE PAVING.

GRASSCRETE.

STORM DRAIN

(SD1) INSTALL DRYWELL PER DETAIL 1, HEREON.

(SD2) STORM DRAIN OVERFLOW POINT OF CONNECTION.

(SD3) SUMP PUMP PER OTHERS. SHOWN SCHEMATICALLY HEREON.

(SD4) INSTALL CURB DRAIN APWA STD. PLAN 151-4.

(SD5) PVC STORM DRAIN CONVEYANCE PIPING.

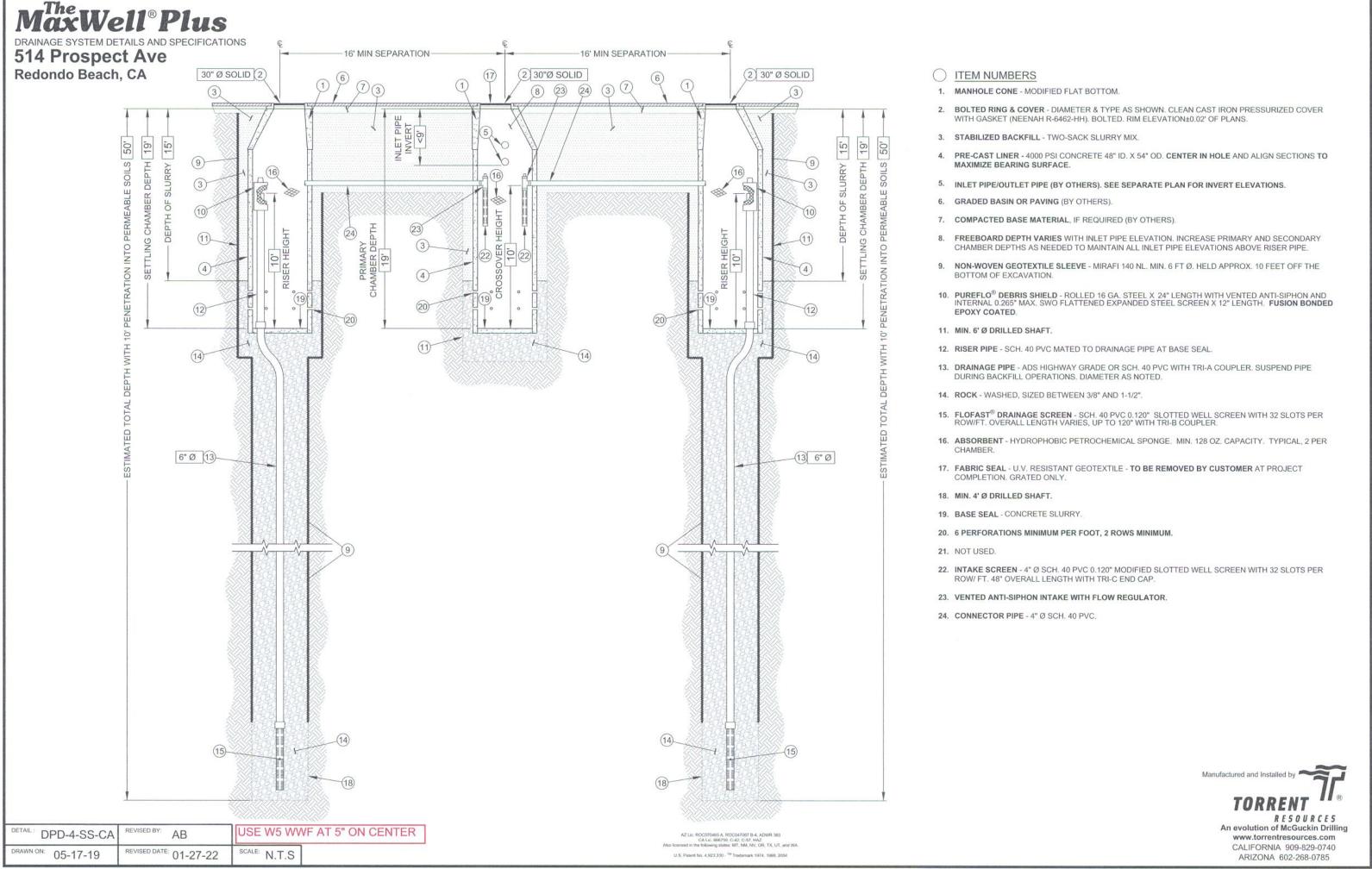
(SD6) PVC OVERFLOW PIPE.

(SD7) STORM DRAIN POINT OF CONNECTION. SEE PLUMBING PLANS FOR CONTINUATION FROM ROOF DRAINS.

SD8) 6" AREA DRAIN BY NDS PRO OR APPROVED EQUAL.

1. ALL DOWNSPOUTS TO DRAIN TO PROPOSED BMPS. SEE PLUMBING PLANS.

2. INSTALL STENCIL EPR DETIAL AT ALL APPLICABLE LOCATIONS



Maxwell® Plus Drainage System Calculations Prepared on January 27, 2022 Project: Beach City Health District - Redondo Beach, CA

Contact: Connor Crowley at Labib Funk + Associates - Los Angeles, CA Design Infiltration Rate 8,696 ft<sup>3</sup> Mitigated Volume Required Drawdown Time 96 hours Min. Depth to Infiltration 10 ft

1 MAXWELL IV DRYWELL

Groundwater Depth for Design <u>61</u> ft Proposed: Drywell Rock Shaft Diameter Primary Chamber Depth Drywell Chamber Depth Rock Porosity 40 % Depth to Infiltration Drywell Bottom Depth

Convert Design Rate from in/hr to ft/sec.  $4.18 \frac{\ln x}{\ln x} \times \frac{1 \text{ ft}}{12 \ln x} \times \frac{1 \text{ hr}}{3600 \text{ sec}} = 0.000097 \frac{\text{ ft}}{\text{sec}}$ 

A 4 foot diameter drywell provides 12.57 SF of infiltration area per foot of depth, plus 12.57 SF at the bottom.

For a 50 foot deep drywell, infiltration occurs between 15 feet and 50 feet below grade. This provides 35 feet of infiltration depth in addition to the bottom area. Infiltration area per drywell is calculated below. 6 ft x 18.85  $\frac{h^2}{tt}$  + 29 ft x 12.57  $\frac{h^2}{tt}$  + 12.57 ft <sup>2</sup> = 490 ft <sup>2</sup>

Combine design rate with infiltration area to get flow (disposal) rate for each drywell.  $0.000097 \frac{ft}{sec} \times 490 ft^2 = 0.04742 \frac{ft^3}{sec}$ 

Volume of disposal for each drywell based on various time frames are included below. 96 hrs: 0.0474 CFS x 96 hours x  $\frac{3600 \, \text{sec}}{1 \, \text{hr}}$  = 16,389 cubic feet of retained water disposed of.

Chamber diameter = 4 feet. Drywell rock shaft diameter = 4 feet. Volume provided in each primary settling chamber with depth of 19 feet. 19 ft  $\times$  12.57 ft<sup>2</sup> = 239 ft<sup>3</sup>

19 ft x 12.57 ft<sup>2</sup> + 2 ft x 28.27 ft<sup>2</sup> x 40 % + 29 ft x 12.57 ft<sup>2</sup> x 40 % = 407 ft<sup>3</sup>

The MaxWell System is composed of 3 drywell(s) and 1 primary chamber(s). Total volume provided = 1460 ft<sup>3</sup>

Volume provided in each drywell with chamber depth of 19 feet.

Total 96 hour infiltration volume =  $49,166 \text{ ft}^3$ Total infiltration flowrate =  $0.14226 \frac{\text{ft}^3}{\text{sec}}$ 

Based on the total mitigated volume of 8696 CF, after subtracting the volume infiltrated as quickly as it enters the

For any questions, please contact Alex Bennett at 213-248-4167 or via email at

drywell of 7358 CF, the remaining volume is 1338 CF. The storage provided in the drywell system is 1460 CF.

Alex.Bennett@Oldcastle.com

Torrent Resources (CA) Incorporated 9950 Alder Avenue Bloomington, CA 92316 Phone 909-829-0740

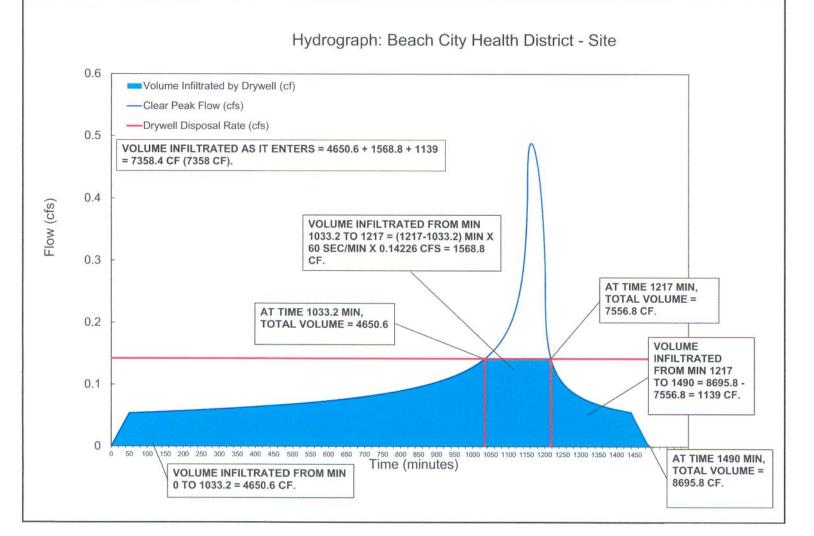
TORRENT "®

RESOURCES

HydroCalc Volume Analysis Project: Beach City Health District - Subarea Site \* (Values from project "Peak Flow Hydrologic Analysis")

HydroCalc Output Results\* Clear Peak Flow (CFS) 0.4883 24-Hr Clear Runoff Volume (AC-FT) 0.1996 24-Hr Clear Runoff Volume (CF)

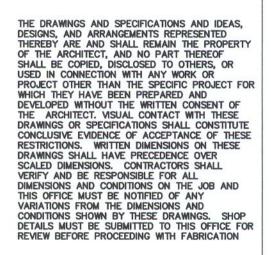
| Analysis  |         |
|---|---------|
| Drywell Disposal Rate (CFS)                                       | 0.14226 |
| Total Volume Infiltrated During 1st Phase (CF)                    | 4650.6  |
| [2nd Phase] Storm Flow Rate Exceeds Drywell Disposal Rate @ (MIN) | 1033.2  |
| Total Volume Infiltrated During 2nd Phase (CF)                    | 1568.8  |
| [3rd Phase] Drywell Disposal Rate Exceeds Storm Flow Rate @ (MIN) | 1217    |
| Total Volume Infiltrated During 3rd Phase (CF)                    | 1139    |
| Total Time of Storm Event (MIN)*                                  | 1490    |
| Total Volume Infiltrated as it Enters Drywell (CF)                | 7358    |
| Total Storage within MaxWell System (CF)                          | 1460    |
| Remaining Detention Required (CF)                                 | N/A     |





PAUL MURDOCH ARCHITECTS

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JLA Job No. 19725



DATE

BEACH CITIES HEALTH DISTRICT **HEALTHY LIVING** 

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**CAMPUS** 

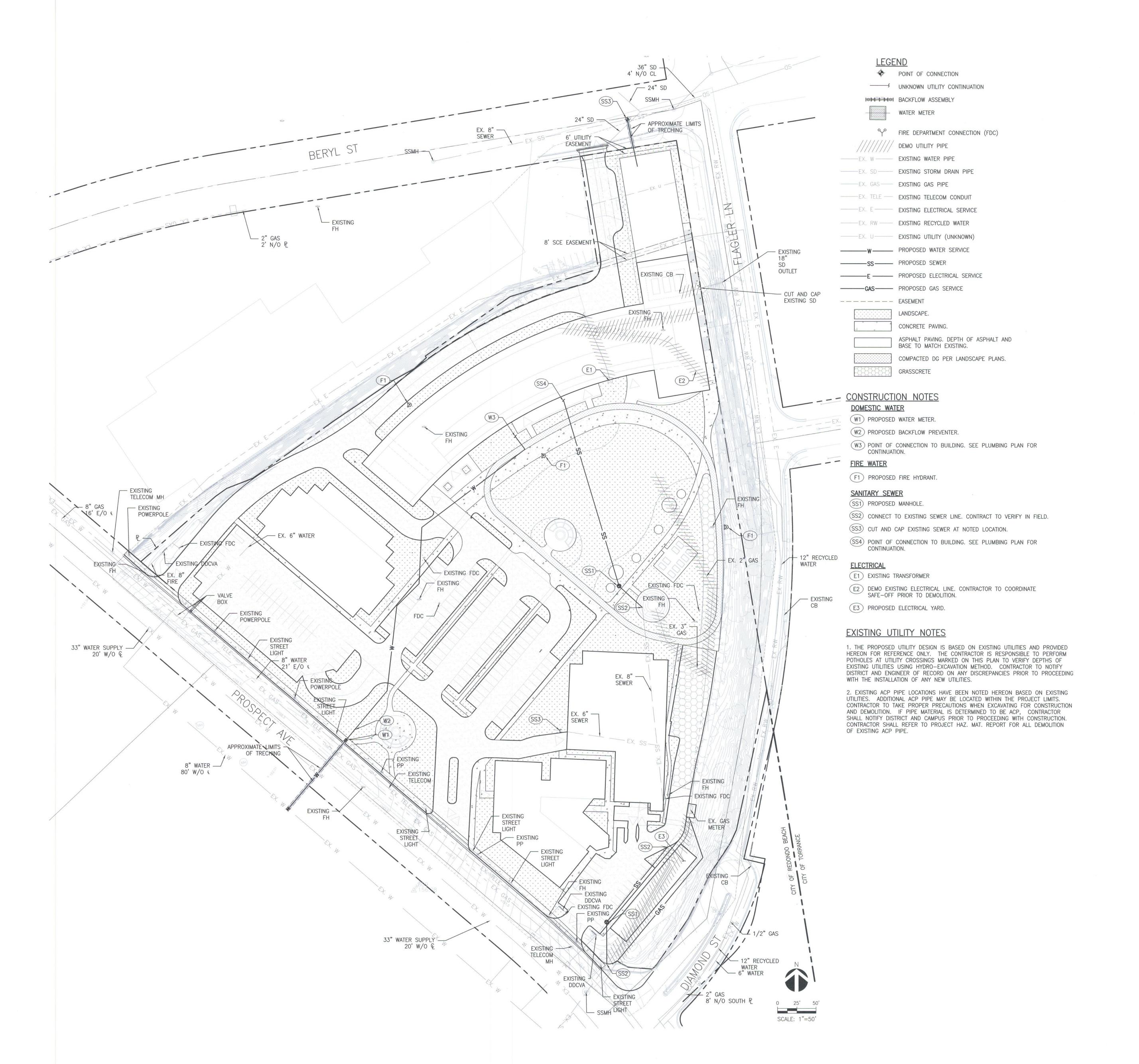
PMA PROJECT NO.

19010 DRAWING TITLE

LOW IMPACT DEVELOPMENT/ DRAINAGE PLAN

SCALE AS NOTED DATE 01/06/20 DRAWN CHECKED Author Checker

SHEET NO.





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HEALTH DISTRICT
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REVISION

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PMA PROJECT NO.

19010

DRAWING TITLE

UTILITY PLAN

SCALE

AS NOTED

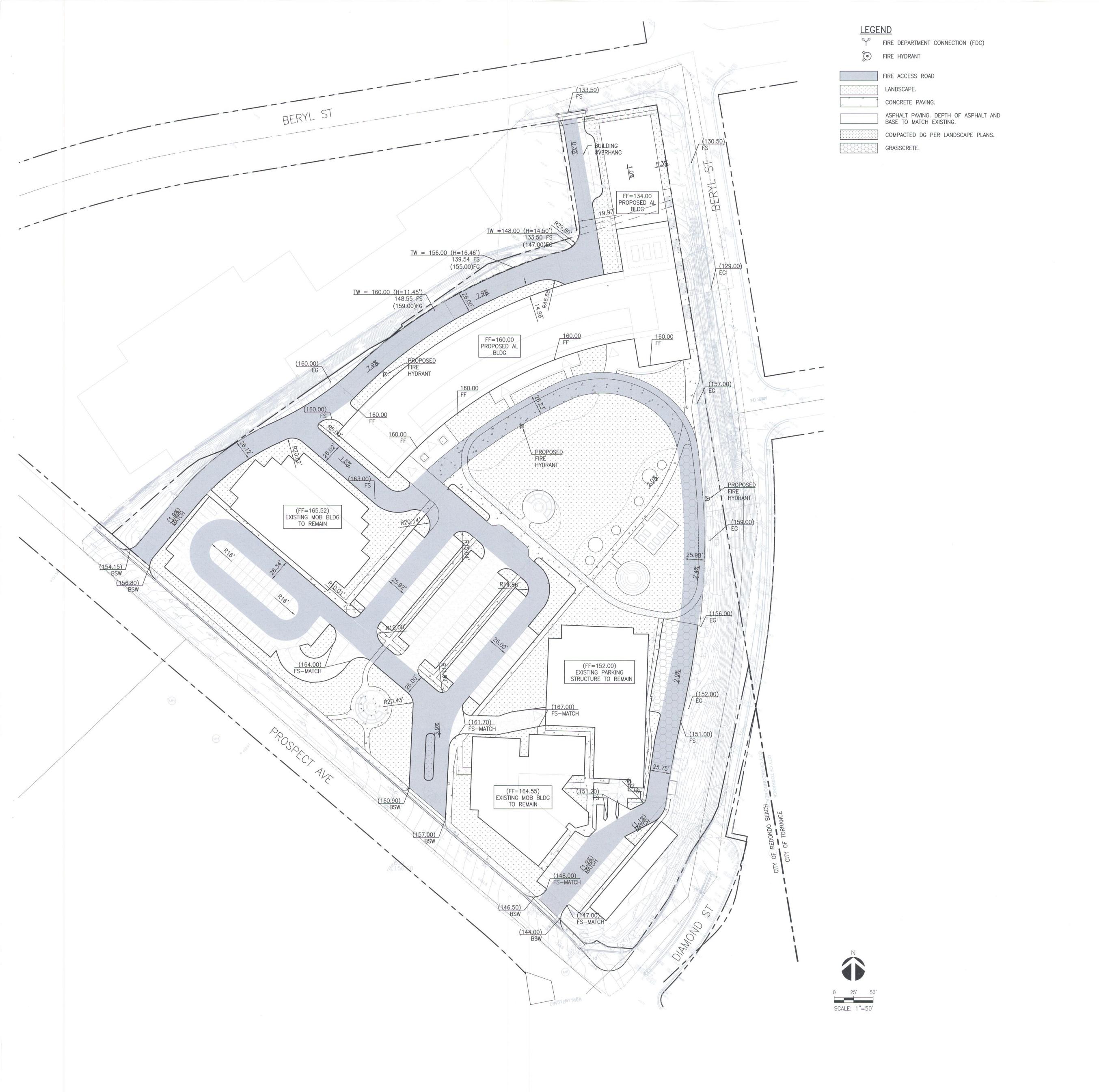
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PMA PROJECT NO. 19010

DRAWING TITLE

FIRE ACCESS PLAN

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DATE

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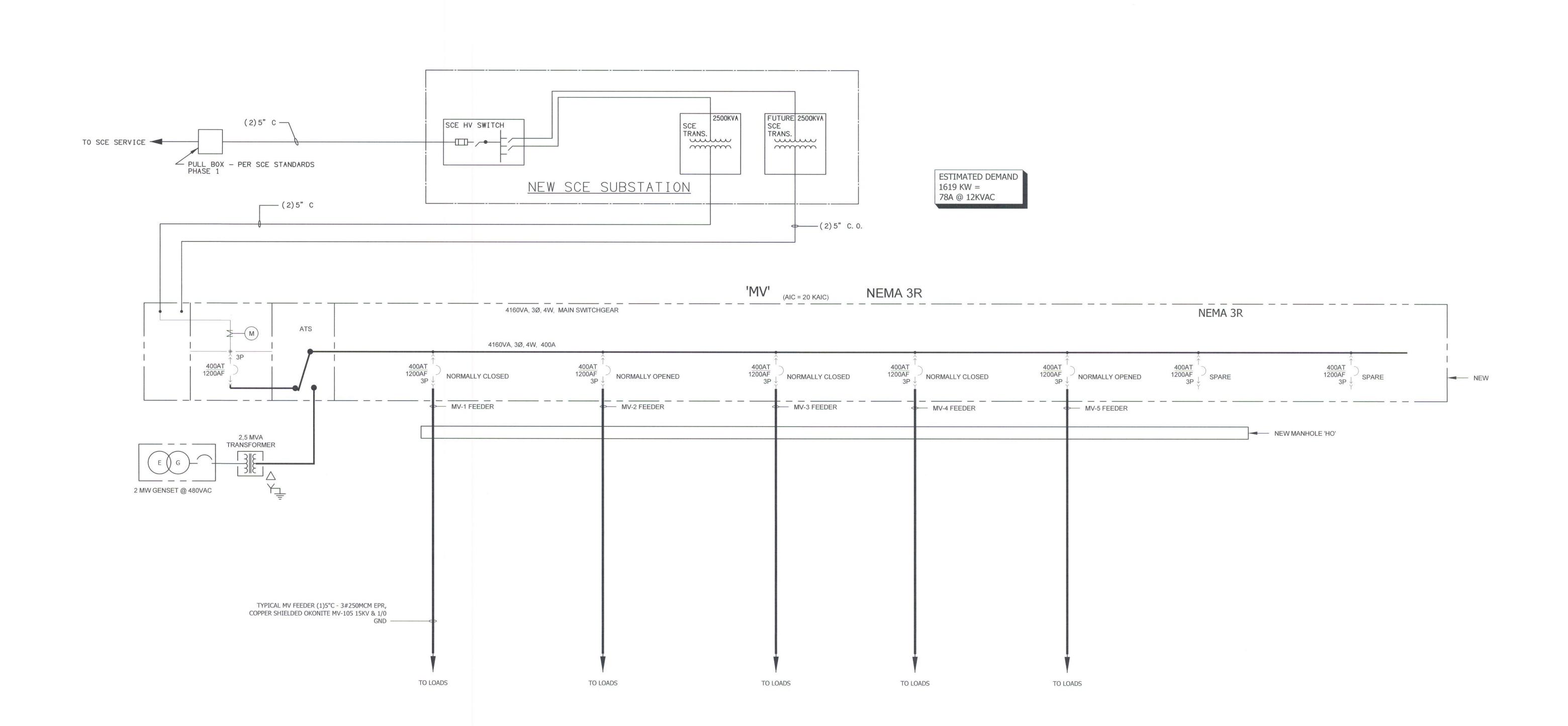
DRAWING TITLE

**NEW 4160VA** MEDIUM VOLTAGE SERVICE FROM SCE SINGLE LINE DIAGRAM

SCALE As indicated 01/29/2022

L. K./D. S. K.L. SHEET NO.

E200



NEW 4160VA MEDIUM VOLTAGE SERVICE FROM SCE SINGLE LINE DIAGRAM

SCALE: NONE



6310 SAN VICENTE BLVD SUITE 400 LOS ANGELES, CALIFORNIA 90048 310 358-0993

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METAL CLAD 15KV SWITCHGEAR FRONT ELEVATION SCALE: NONE

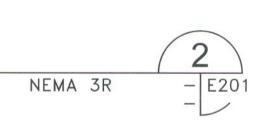
MSS-1

MSS-2

MSS-4

8500#

MSS-6



7400#

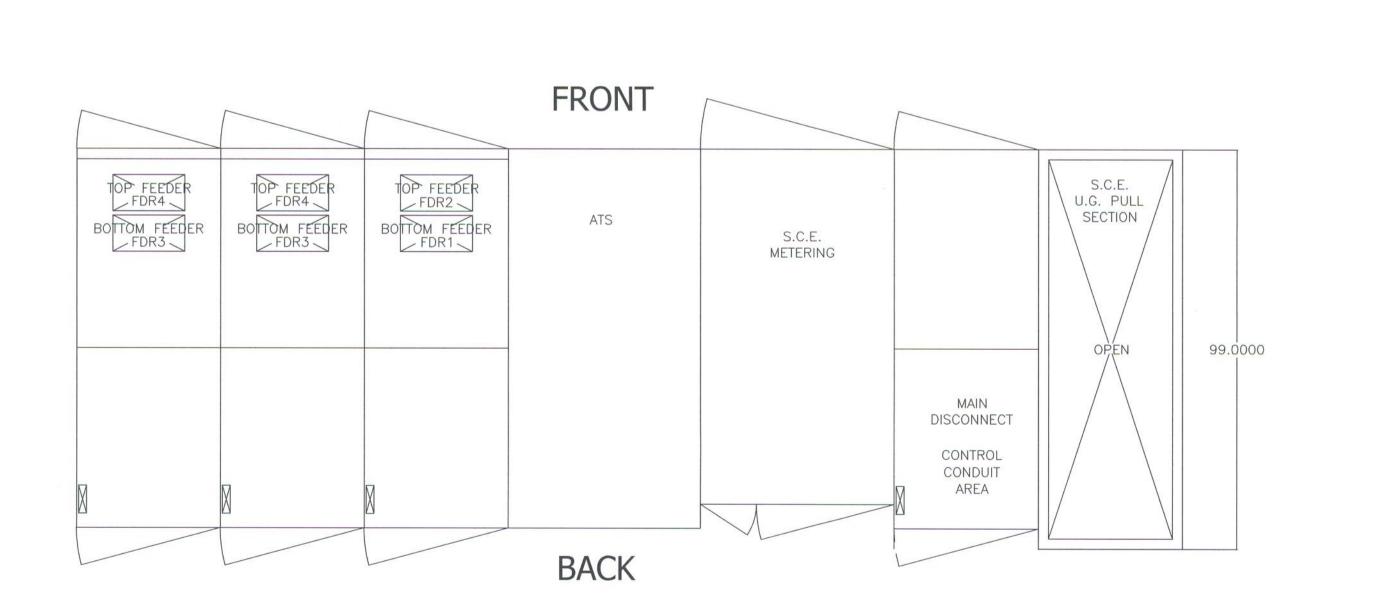
SEA CABLE SCREWS (TYP 12 PLACES)

(TYP 6 PLACES)

S.C.E. U.G. PULL SECTION

109.1000

95.0000



8500#

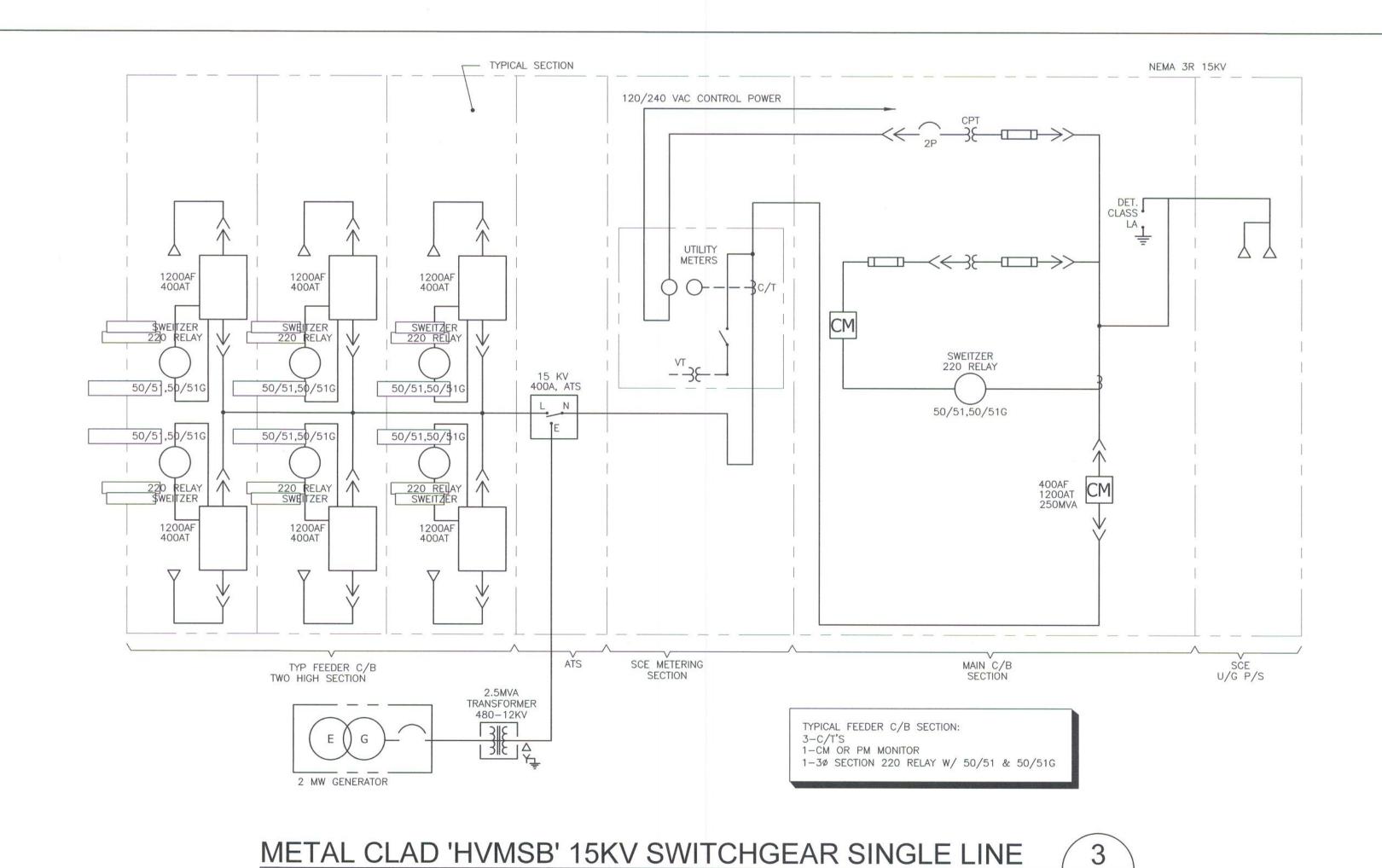
• • • •

ATS

36.0000 36.0000 48.0000 48.0000 36.0000 36.0000

S.C.E. METERING

15KV SWITCHGEAR PLAN VIEW SCALE: NONE NEMA 3R



- E201

SCALE: NONE

DRAWING TITLE METAL CLAD 5KV **ELEVATIONS** 

NO. DATE

PMA PROJECT NO.

19010

**BEACH CITIES** 

HEALTH DISTRICT

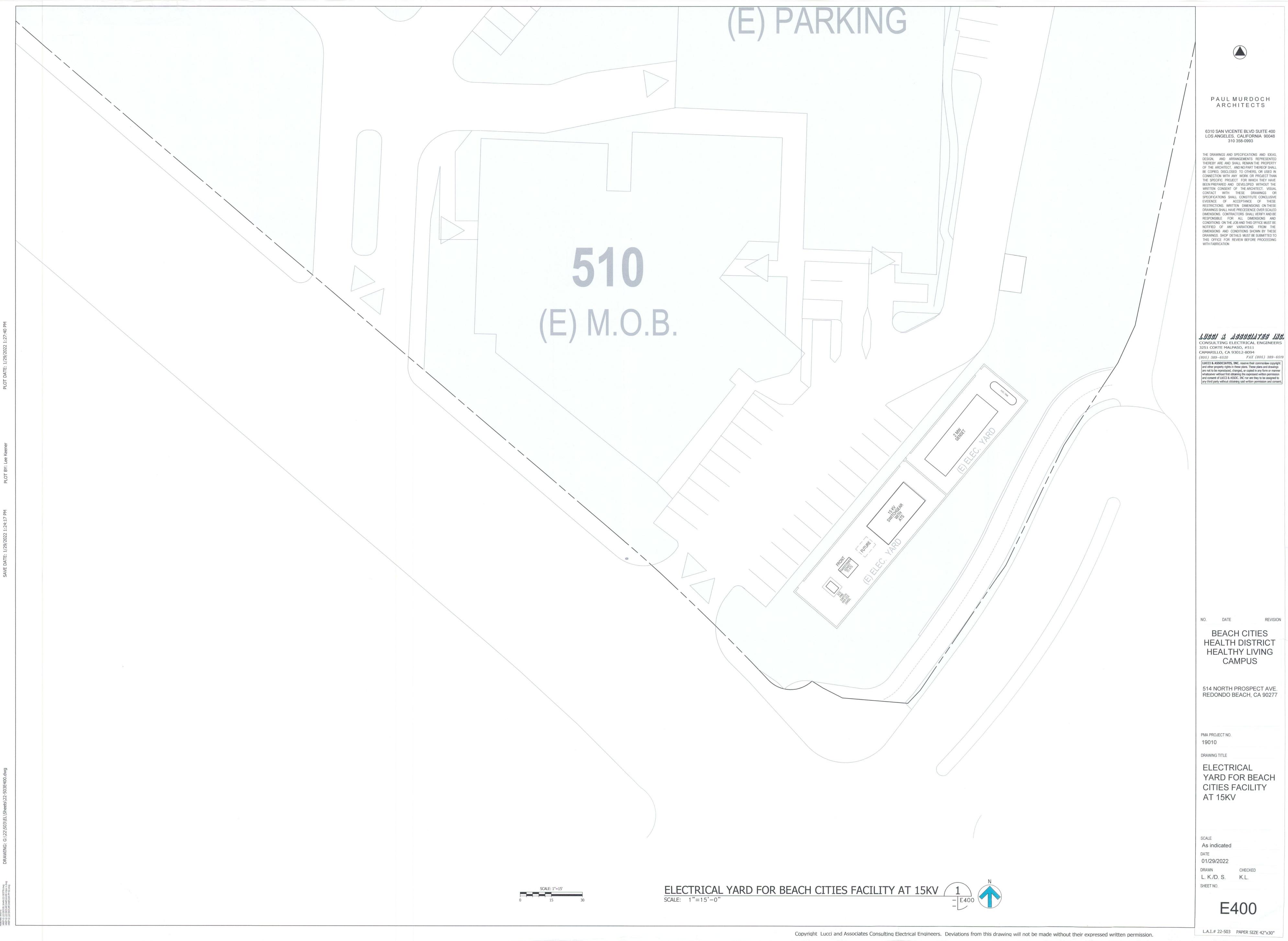
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PAUL MURDOCH

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**BEACH CITIES** HEALTH DISTRICT **HEALTHY LIVING** 

YARD FOR BEACH CITIES FACILITY