SWEEP ALONG A HELIX

REGION & PRESS PULL

LOFT

EXTRUDE FROM LINES

EXTRUDE FROM REGION

LOFT, EXTRUDE & PRESS PULL
BASIC PUSH PULL & EXTRUDE COMMANDS
Interference Evaluation Report

**Project:** California Academy of Sciences

Area / Location: CUP

Level: 81 Level - Chiller Room

Coordinates: X = 1'-1 1/2"  Y = 282'-3"  Z = 0'-0"

**Trade(s):** Mechanical Wet Piping

Objects under Review: HHWR, HHWS, CHWR, CHWS, CWR, CWS

Interference Found: Yes

**Corrective Action:**

Objects with Interference: HHWS, HHWR, CWS, & CWR

**Analysis:**

see attached graphics

**Recommended Corrective Action:**

Raise CWR & CWS Pipes to an elevation of 9'-6" from bottom of pipe.
LID PARKING REQUIREMENTS

- SPEED BUMP
- POND
- ADA RAMP
- PARKING LOT
- ENTRANCE
- PERMEABLE
  PAVEMENT
- VEGETATED
  SWALE
- WATER
  BUFFERS
ENERGY EFFICIENT WINDOWS
- U-FACTOR OF 0.40 OR LESS
- SOLAR HEAT GAIN COEFFICIENT OF 0.40 OR LESS
- SELECT WINDOWS WITH A HIGHER VISIBLE TRANSMITTANCE TO MAXIMIZE DAYLIGHT VIEW
- SELECT WINDOWS WITH AIR LEAKAGE OF 0.30 OR LESS

WATER RUN OFF
- RUN OFF FROM GUTTERS WILL BE TRANSFERRED INTO HALF BARRELS WHICH WILL SLOWLY ALLOW WATER TO TRANSFER INTO DRAINAGE SYSTEMS

STUCCO STANDARDS
- STUCCO WILL BE COVERED IN LOW VOC PAINT

LIGHTING
- LIGHTING WILL BE MOTION SENSITIVE AND WILL ALSO HAVE DAYLIGHT SENSORS
- PARKING LOT LIGHTS WILL PROVIDE DIFFUSE GROUND LIGHTING

ARCHITECTURAL PORTION

ROOF DETAILS
- RED CLAY TILE ROOF WITH 30 YEAR MINIMUM RATING
- UL 790 FIRE RATING - CLASS A
- UL 997 WIND RESISTANCE RATING - CLASS 1
- ASTM 1371 THERMAL RATING COMPLAINT (ENERGY STAR)

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WATER PUMP → BACK FLOW PREVENTOR → PRESSURE REDUCER
The structure being built must only be designed for day use only. There are very strict building codes in this area and any power must be off the grid and easily dismantled.
PATH

THE PATH WILL BE LAID ON COMPACTED DIRT AND THEN COVERED WITH FINE GRAVEL.

FOOT BRIDGE

STANDARD PLANK FOOT BRIDGE THAT CROSSES THE STREAM WHICH IS RUNNING THROUGH THE PARK.

PEIRS
DUE TO THIS BEING A RECREATIONAL PARK, THE BUILDING CODE ONLY ALLOWS THIS STRUCTURE TO BE FOR DAY TIME USE ONLY. THE STRUCTURE CAN HAVE A MAXIMUM OF A 10' X 20' PARTIAL SHELTER WITH A 20' X 20' DECK.
WATERLESS SELF-CONTAINED SYSTEM

FOR THE PURPOSE OF BEING ENVIRONMENTALLY FRIENDLY, THE HOUSE WILL BE FITTED WITH THIS WATERLESS SELF-CONTAINED TOILET.

SOLAR PANNEL

SOLAR PANNEL WILL BE ABLE TO PUT OUT 1000-1350 WATTS ON THE AVERAGE DAY. IT WILL BE ABLE TO POWER UP TO 5 APPLIANCES AT ONE TIME. THE SOLAR POWER PACK WILL BE ABLE TO STORE EXTRA WATTS IN CASE OF EMERGENCIES.