

LOCATION MAP

5 10 15 20 25

SOUTHERN CALIFORNIA EDISON COMPANY

SAN ONOFRE NUCLEAR GENERATING STATION UNITS 1, 2 AND 3

BEACH WALKWAY

LIST OF DRAWINGS

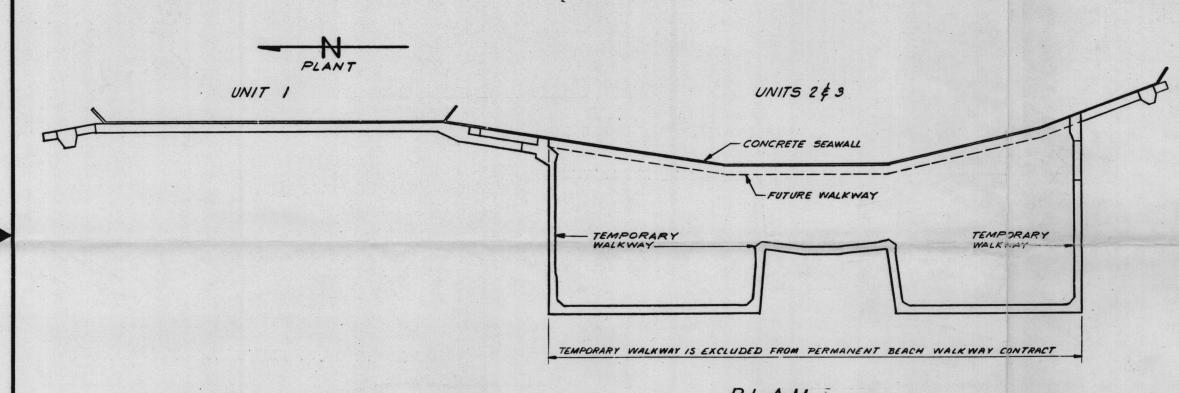
5180940 CI GENERAL NOTES AND DRAWING LIST 5180941 C2 PERMANENT AND TEMPORARY PLAN

NOTES

5180942 C3 DETAILS

5180943 C4 SECTIONS AND DETAILS

5180944 C5 SECTIONS AND DETAILS



PLAN "=100'-0

REVISIONS

GENERAL NOTES (CONTINUED)

CHAIN LINK FENCE:

REFERENCE DRAWINGS

REGISTERED CIVIL ENGINEER C18616

5180941 PERMS TEMP. PLAN

5180943 SECTIONS & DETAILS

5/80999 SECTIONS & DETAILS DC-865 DESIGN CALCULATIONS

59-9201 S.C. E. SPECIFICATIONS

REFERENCE DRAWINGS

5180942 DETAILS

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- I. ALL MATERIAL FOR CHAIN LINK FENCING AND GATES
 SHALL BE HOT DIP GALVANIZED AND SHALL
 CONFORM TO SCE STANDARD SPECIFICATION
 MS-23-1973.
- 2. DIAGONAL BRACING OR HORIZONTAL BRACE WITH TRUSS ROD ALTERNATE SHALL BE USED AT ALL FENCING ANGLE CHANGES IN PLAN AND AT END POST.
- 3. DOUBLE GATE SHALL BE INSTALLED WITH STANDARD CANE BOLT TO KEEP GATES IN FIXED POSITION WHEN LOCKED.

STEEL SHEET PILING:

- 1. STEEL SHEET PILES SHALL BE U.S. STEEL PZ 27,
 NOMINAL WEB THICKNESS 3/8", SECTION MODULUS PER
 LINEAR FEET OF WALL 30.2 INCH³, WEIGHT PER SQUARE
 FOOT OF WALL 27 POUNDS. WEIGHT PER LINEAR FOOT
 OF PILE 40.5 POUNDS.
- 2. ADDITIONAL LENGTH BEYOND THOSE INDICATED BY THE DRAWINGS MAY BE REQUIRED TO PROVIDE FOR TRIMMING OF TOPS OF SHEET PILING.
- 3. STEEL SHEET PILES AND INTERLOCKS SHALL NOT HAVE EXCESSIVE KINKS, CAMBER OR TWIST THAT WOULD PREVENT THE PILE FROM REASONABLY FREE SLIDING TO GRADE.
- 4. STEEL SHEET PILES SHALL BE COATED WITH TWO COATS OF COAL TAR EPOXY COATING. A MINIMUM THICKNESS (NOT AVERAGE) OF 16 MILS (0.4 mm) DRY FILM IS REQUIRED ON ALL SURFACES TO BE COATED EXCEPT INTERLOCKS. PER SPEC. 59-9201.

GENERAL

GENERAL:

- I. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AFFECTING THE WORK AT JOB SITE.
- 2. DO NOT SCALE DRAWINGS.
- 3. ALL DETAILS, SECTIONS AND NOTES SHOWN ON DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR SITUATIONS ELSEWHERE, UNLESS OTHERWISE NOTED.
- 4. ALL OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH ANY WORK INVOLVED.
- 5. ALL WORK TO CONFORM TO THE 1976 UNIFORM BUILDING CODE.
- G. ALL ELEVATIONS SHOWN ARE WITH RESPECT TO M.L.L.W.
- 7. CONTRACTOR SHALL LOCATE ALL PUBLIC AND PRIVATE UTILITIES IN THE FIELD PRIOR TO BEGINNING CONSTRUCTION.
- 8. CONTRACTOR SHALL MAINTAIN AND PROTECT EXISTING STRUCTURES AND UTILITIES AND BE RESPONSIBLE TO REPAIR ANY DAMAGE INCURRED TO THEM.
- 9. FILL MATERIAL SHALL BE PLACED IN CONTINUOUS HORIZONTAL LAYERS NOT MORE THAN SIX(G) INCHES THICK AFTER COMPACTION AND HAVE A RELATIVE COMPACTION OF NOT LESS THAN 90 PERCENT OF MAXIMUM DENSITY PER ASTM-DISST-70. HIGHER DENSITY MAY BE REQUIRED AS NOTED ON DRAWINGS.
- SPALL CONCRETE PAVING BASE AND SUB-BASE COURSES SHALL CONFORM TO THE SPECIFICATIONS FOR THIS WORK AND TO THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.

FOUNDATION AND CONCRETE: (CONTINUED)

- 5. ALL REINFORCING, ANCHOR BOLTS, DOWELS AND OTHER INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.
- G. EXPOSED EDGES OF CONCRETE SHALL HAVE A 3/4"
 CHAMFER, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- 7. REINFORCING BAR HOOKS SHALL BE IN ACCORDANCE WITH A.C.I. 318-77.
- 8. PROVIDE EXPANSION JOINTS AT 100' ON CENTER AND AT LIMITS OF CONSTRUCTION UNLESS NOTED OTHERWISE.
- 9. PROVIDE CONTRACTION JOINTS AT 25' ON CENTER UNLESS NOTED OTHERWISE.

STRUCTURAL STEEL:

- I. STRUCTURAL STEEL SHALL BE A.S.T.M. A36 UNLESS NOTED OTHERWISE.
- 2. UNLESS NOTED OTHERWISE ON DESIGN DRAWINGS, ALL BOLTS SHALL BE 3/4" A.S.T.M. A-307 AND SHALL BE INSTALLED IN ACCORDANCE WITH A.I.S.C. SPECIFICATION FOR STRUCTURAL JGINTS; MINIMUM OF TWO BOLTS ARE REQUIRED AT EACH CONNECTION UNLESS NOTED OTHERWISE.
- 3. ALL WELDS SHALL BE CONTINUOUS UNLESS NOTED OTHERWISE.
- 4. ALL ERECTION SHALL CONFORM TO A.I.S.C. MANUAL OF STEEL CONSTRUCTION AND CODE OF STANDARD PRACTICE AS AMENDED TO DATE.
- 5. WELDING IN ACCORDANCE WITH AWS DI. I ALL WELDING SHALL BE ETOXX ELECTRODE.

FOUNDATION AND CONCRETE:

O ISSUE FOR CONSTRUCTION

- 1. ALLOWABLE FOUNDATION SOIL BEARING PRESSURE = 5000 RS.F.
- 2. ALL FOOTING EXCAVATIONS, REBAR, EMBEDS, ETC. SHALL BE INSPECTED & APPROVED BY THE ENGINEER PRIOR TO POURING CONCRETE.

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- 3. REINFORCED CONCRETE SHALL CONFORM TO ACI-318-77
 AND CODE OF STANDARD PRACTICE. CONCRETE SHALL
 HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 P.S.I.
 AT 28 DAYS.
- 4. ALL REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A-GIS GRADE GO.

Decket # 50-206
Control # 8104270355 APERTURE
Date 4-20-81 of Document: CARD
REGULATORY DOCKET FILE

UNITS 1, 2 8 3

Q.C. IV.

LOCATION SAN ONOFRE NUCLEAR GEN. STA.

BEACH WALKWAY

GENERAL NOTES & DRAWING LIST

SCE EDISON

SHEET NO.

M DATE P.E. Q.AE SUPV. APPROVED ENGR. CK'D. MADE J.O. NO. 5180940-0

5180940-0 CKET FILE CODY 8 104270359

REGULATORY DOCKET FILE COPY

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M DATE P.E. Q.A.E. SUPY. APPROVED ENGR. CK'D. MADE JO. NO. NO.