

RETENTION TIME Ret YES



REV. 4

PALO VERDE NUCLEAR GENERATING STATION UNITS 1, 2 & 3

CONSTRUCTION INSPECTION PLANNING  
FOR CONCRETE PREPLACEMENT

JOB NO. 10487

PAGE 1 OF 1

SPF/DCI  
NO. 52.0

1. STRUCTURE Main Steam Support Structure 3. LOCATION/ELEVATION Fourback West Wall EL. 122'-0" to 126'-6"  
2. UNIT NO. 1 4. PLACEMENT NO. 1 MOOS (FOURBACK) Partial 5. SCHEDULED START 12/4/79  
6. PERMANENT PLANT STRUCTURE YES ☒ NO ☐

| 7.<br>ITEM<br>NO. | ITEM               | 7.1<br>QUALITY<br>CLASS | 7.2<br>DRAWING NO., NCR'S        | 7.3<br>P.E. |         | 7.4<br>SURVEY |         | 7.5<br>G.C.E. |         |
|-------------------|--------------------|-------------------------|----------------------------------|-------------|---------|---------------|---------|---------------|---------|
|                   |                    |                         |                                  | BY          | DATE    | BY            | DATE    | BY            | DATE    |
| 1                 | FOUNDATION         |                         |                                  | RA          | RA      |               |         | RA            | RA      |
| 2                 | JOINT PREP.        |                         | METHOD <u>Chipping</u>           | TRW         | 12/4/79 |               |         | (C)           | 12/4/79 |
| 3                 | FORMWORK/SCREEDS   |                         |                                  | TRW         | 12/4/79 | PL            | 12/4/79 | (C)           | 12/4/79 |
| 4                 | REBAR              | Q                       | 13-C-2CS-701-4                   | TRW         | 12/4/79 | PL            | 12/4/79 | (C)           | 12/4/79 |
| 5                 | CADWELDS           | RA                      | RA                               | RA          | RA      |               |         | RA            | RA      |
| 6                 | EMBEDS             | Q                       | 13-C-2CS-701-7<br>13-C-2CS-702-7 | TRW         | 12/4/79 | PL            | 12/4/79 | (C)           | 12/4/79 |
| 7                 | STRUCT. STEEL      | RA                      | RA                               | RA          | RA      | RA            | RA      | RA            | RA      |
| 8                 | ELECTRICAL         | N/A                     | N/A                              | N/A         | 12/4/79 | N/A           | 12/4/79 | N/A           | 12/4/79 |
| 9                 | PIPING             | MA                      | MA                               | MA          | 12/4/79 | MA            | 12/4/79 | MA            | 12/4/79 |
| 10                | TENDONS/TRUMPLATES | RA                      | RA                               | RA          | RA      | RA            | RA      | RA            | RA      |
| 11                | LINER PLATE        | RA                      | RA                               | RA          | RA      | RA            | RA      | RA            | RA      |
| 12                | FIELD WELDS        | N/A                     | N/A                              | N/A         | 12/4/79 | N/A           | 12/4/79 | N/A           | 12/4/79 |
| 13                | PLACING FACIL.     |                         |                                  | TRW         | 12/4/79 |               |         | (C)           | 12/4/79 |
| 14                | FINAL CLEAN-UP     |                         |                                  | TRW         | 12/4/79 |               |         | (C)           | 12/4/79 |
| 15                | OTHER              | RA                      | RA                               | RA          | RA      | RA            | RA      | RA            | RA      |

8. CONCRETE CLASS C-1 POZZOLAN Yes APPROVAL RA P.E. TRW DATE 12/4/79  
9. CADWELD AS-BUILT FOR'S RA 10. PLACEMENT RATE 4 ft / hour

11. REMARKS Ref. NCR-C-X-1642 Qu x 6 ft

12. (CIRCLE ONE)  
ACCEPTANCE: P.E. (C.C.E.) (13) DATE DEC. 4, 1979

00108 2466

JB 1-2480



REV. 8

PALO VERDE NUCLEAR GENERATING STATION UNITS 1, 2 & 3  
CONSTRUCTION INSPECTION PLANNING FOR  
CONCRETE PLACEMENT  
JOB NO. 18407

Q225440

PAGE 1 OF 1

WPP/OCI  
NO. 51.0

1. STRUCTURE Main Steam Support Structure QUALITY CLASS 9 2. LOCATION/EL West Wall Elevation  
3. UNIT NO. 1 4. CONCRETE MIX NO. C-1 w/p 28' 5. SPEC NO. 13-CM-345 REV. 8 6. 11 FOR 11  
7. PLACEMENT NO. Partial (Rear Wall) 8. ENG DWG NO. 13-CZCS-705 REV. 6 DCN 11 FOR 11  
9. SCH START DATE 12/1/79 FE INIT. / OCE STAMP AND DATE TO VERIFY "CIP FOR CONCRETE  
PREPLACEMENT" HAS BEEN COMPLETED 12/1/79 DATE: 12/1/79

## 10. PLACING DATA

| TIME | MIX NO.    | NO. CY   | PLACING METHOD    | REMARKS |
|------|------------|----------|-------------------|---------|
| 1655 | <u>1</u>   | <u>1</u> | <u>PUMP TRUCK</u> |         |
| 1655 | <u>0-1</u> | <u>1</u> | <u>"</u>          |         |

11. RECORD OF WASTE AT PLACEMENT N/A12. DELAYS OR DOWNTIME N/A

| TIME | MIX NO. | NO. CY | REASON | TIME  | REASON |
|------|---------|--------|--------|-------|--------|
|      |         |        |        | START | END    |
|      |         |        |        |       |        |
|      |         |        |        |       |        |
|      |         |        |        |       |        |

13. FINISHING TYPE: Vibration14. CURING METHOD: Moist14A. DATE STARTED DEC 4 1979

## 15. OCE STAMPS/FE INITIALS SIGNIFYING ITEMS LISTED BELOW HAVE BEEN INSPECTED AND ARE ACCEPTABLE.

1. VERIFY CONCRETE PLACED IN ACCORDANCE WITH APPLICABLE SPECIFICATIONS (10)  
2. VIBRATORS CHECKED FOR PROPER OPERATION AND NUMBER OF SPARES (10)  
3. FORMS CHK'D DURING PLACEMENT FOR LINE GRADIENT MOVEMENT QUESTIONABLE AREAS  
CHK'D BY SURVEY (10)

4. CONCRETE TEST DATA LOG ATTACHED (10)

## 16. GENERAL COMMENTS

## 17. OCE/FE ACCEPTANCE

DATE

JAN 20 1980

246100108





REV. 4

PAULO VERDE NUCLEAR GENERATING STATION UNITS 1, 2 & 3  
CONSTRUCTION INSPECTION PLANNING FOR  
CONCRETE POST-PLACEMENT  
JOB NO. 10407

RETENTION TIME 21 YRS

PAGE 1 OF 1

WPP/DCI  
NO. 14.8

1. DATE 12/4/79 2. UNIT NO. 1 3. PLACEMENT COMPLETED DATE 12/4/79  
4. STRUCTURE MSSS 4.1 D-70 NO. 13-C-ZCS-701-4 5. PLACEMENT NO. 1MOS Partial  
6. TYPE FINISH Vibrator 7. TYPE CURE Moist (MURDER)

## 6. FINISHING

| ITEM         | FF/DCI     |                |
|--------------|------------|----------------|
|              | ACCEPT     | DATE           |
| <u>C. J.</u> | <u>(1)</u> | <u>12-5-79</u> |

6. DAILY CURE RECORD CURE STARTED DATE DEC 4 1979

| DAYS COMPLETE | TEMPERATURE °F |           | WEATHER              | REMARKS | FF/DCI     |                 |
|---------------|----------------|-----------|----------------------|---------|------------|-----------------|
|               | LOW            | HIGH      |                      |         | ACCEPT     | DATE            |
| <u>1</u>      | <u>42</u>      | <u>88</u> | <u>CLEAR</u>         |         | <u>(1)</u> | <u>12-5-79</u>  |
| <u>2</u>      | <u>42</u>      | <u>88</u> | <u>CLEAR</u>         |         | <u>(1)</u> | <u>12-6-79</u>  |
| <u>3</u>      | <u>40</u>      | <u>90</u> | <u>CLEAR</u>         |         | <u>(1)</u> | <u>12-7-79</u>  |
| <u>4</u>      | <u>42</u>      | <u>93</u> | <u>CLEAR</u>         |         | <u>(1)</u> | <u>12-8-79</u>  |
| <u>5</u>      | <u>41</u>      | <u>91</u> | <u>CLEAR</u>         |         | <u>(1)</u> | <u>12-9-79</u>  |
| <u>6</u>      | <u>40</u>      | <u>85</u> | <u>CLEAR</u>         |         | <u>(1)</u> | <u>12-10-79</u> |
| <u>7</u>      | <u>42</u>      | <u>80</u> | <u>Partly Cloudy</u> |         | <u>(1)</u> | <u>12-11-79</u> |

10. FORMS LOOSENED DATE 12-6-79 11. FORMS REMOVED DATE 12-6-7912. CONCRETE REPAIRS REQ: ☐ YES ☒ NO 13. CURE RECORD FOR CONCRETE REPAIRS

| TYPE | FF/DCI |      | TYPE CURE | DATE  |       | DCI    |      |
|------|--------|------|-----------|-------|-------|--------|------|
|      | ACCEPT | DATE |           | START | COMP. | ACCEPT | DATE |
|      |        |      |           |       |       |        |      |
|      |        |      |           |       |       |        |      |
|      |        |      |           |       |       |        |      |

14. HOT WEATHER: CURING PROCEDURES USED SATISFACTORILY

N/A

COLD WEATHER: CURING PROCEDURES USED SATISFACTORILY

N/A

NORMAL WEATHER: CURING PROCEDURES USED SATISFACTORILY

(1)

15. INSERT PLATES FOR PROPER ANCHOR BOLT THREAD ENGAGEMENT.

N/A

12-13-79

## 16. REMARKS:

17. FF/DCI ACCEPTANCE



DATE:

JAN 12 1980

30103 2468



REV. 4

PALO VERDE NUCLEAR GENERATING STATION UNITS 1, 2 & 3  
CONSTRUCTION INSPECTION PLANNING FOR  
CONCRETE POST-PLACEMENT  
JOB NO. 10407

PAGE 1 OF 1

WPP/OCI  
NO. 54.9

1. DATE 11-12-79 2. UNIT NO. 1 3. PLACEMENT COMPLETED DATE 11/12/79  
4. STRUCTURE MSSS 4.1 DWS NO. 13-C-ZCS-701-4 PLACEMENT NO. WMO5 FIM013  
5. TYPE FINISH Vibrator - STF @ DOWELWAY 7. TYPE CURE Moist Cure

## 8. FINISHING

| ITEM          | FE/OCCE    |                 |
|---------------|------------|-----------------|
|               | ACCEPT     | DATE            |
| <u>T.O.C.</u> | <u>(3)</u> | <u>11-10-79</u> |

9. DAILY CURE RECORD CURE STARTED DATE 11/12/79

| DAYS<br>COMPLETE | TEMPERATURE °F |           | WEATHER         | REMARKS | FE/OCCE    |                 |
|------------------|----------------|-----------|-----------------|---------|------------|-----------------|
|                  | LOW            | HIGH      |                 |         | ACCEPT     | DATE            |
| <u>1</u>         | <u>42</u>      | <u>91</u> | <u>12-12-79</u> |         | <u>(3)</u> | <u>11-12-79</u> |
| <u>2</u>         | <u>44</u>      | <u>81</u> | <u>CLEAR</u>    |         | <u>(3)</u> | <u>11-14-79</u> |
| <u>3</u>         | <u>46</u>      | <u>91</u> | <u>CLEAR</u>    |         | <u>(3)</u> | <u>11-15-79</u> |
| <u>4</u>         | <u>44</u>      | <u>91</u> | <u>CLEAR</u>    |         | <u>(3)</u> | <u>11-16-79</u> |
| <u>5</u>         | <u>46</u>      | <u>91</u> | <u>CLEAR</u>    |         | <u>(3)</u> | <u>11-17-79</u> |
| <u>6</u>         | <u>48</u>      | <u>90</u> | <u>CLEAR</u>    |         | <u>(3)</u> | <u>11-18-79</u> |
| <u>7</u>         | <u>50</u>      | <u>64</u> | <u>CLEAR</u>    |         | <u>(3)</u> | <u>11-19-79</u> |

10. FORMS LOOSENED DATE 11/14/7911. FORMS REMOVED DATE 11/14/7912. CONCRETE REPAIRS REQ: ☒ YES ☐ NO

13. CURE RECORD FOR CONCRETE REPAIRS

| TYPE             | FE/OCCE    |                 | TYPE CURE    | DATE            |                 | OCCE       |                 |
|------------------|------------|-----------------|--------------|-----------------|-----------------|------------|-----------------|
|                  | ACCEPT     | DATE            |              | START           | COMP.           | ACCEPT     | DATE            |
| <u>POUR BACK</u> | <u>(3)</u> | <u>12-12-79</u> | <u>MOIST</u> | <u>11-14-79</u> | <u>12-12-79</u> | <u>(3)</u> | <u>12-12-79</u> |
| <u>POUR BACK</u> | <u>(3)</u> | <u>12-12-79</u> | <u>MOIST</u> | <u>11-14-79</u> | <u>12-12-79</u> | <u>(3)</u> | <u>12-12-79</u> |

14. HOT WEATHER: CURING PROCEDURES USED SATISFACTORILY

N/A

COLD WEATHER: CURING PROCEDURES USED SATISFACTORILY

N/A

NORMAL WEATHER: CURING PROCEDURES USED SATISFACTORILY

(3)

DEC 3 79

15. INSERT PLATES FOR PROPER ANCHOR BOLT THREAD ENGAGEMENT.

(3)

12-12-79

## 16. REMARKS:

NCR C-X-1642

17. FE/OCCE ACCEPTANCE

(3)

DATE: 11/17/79

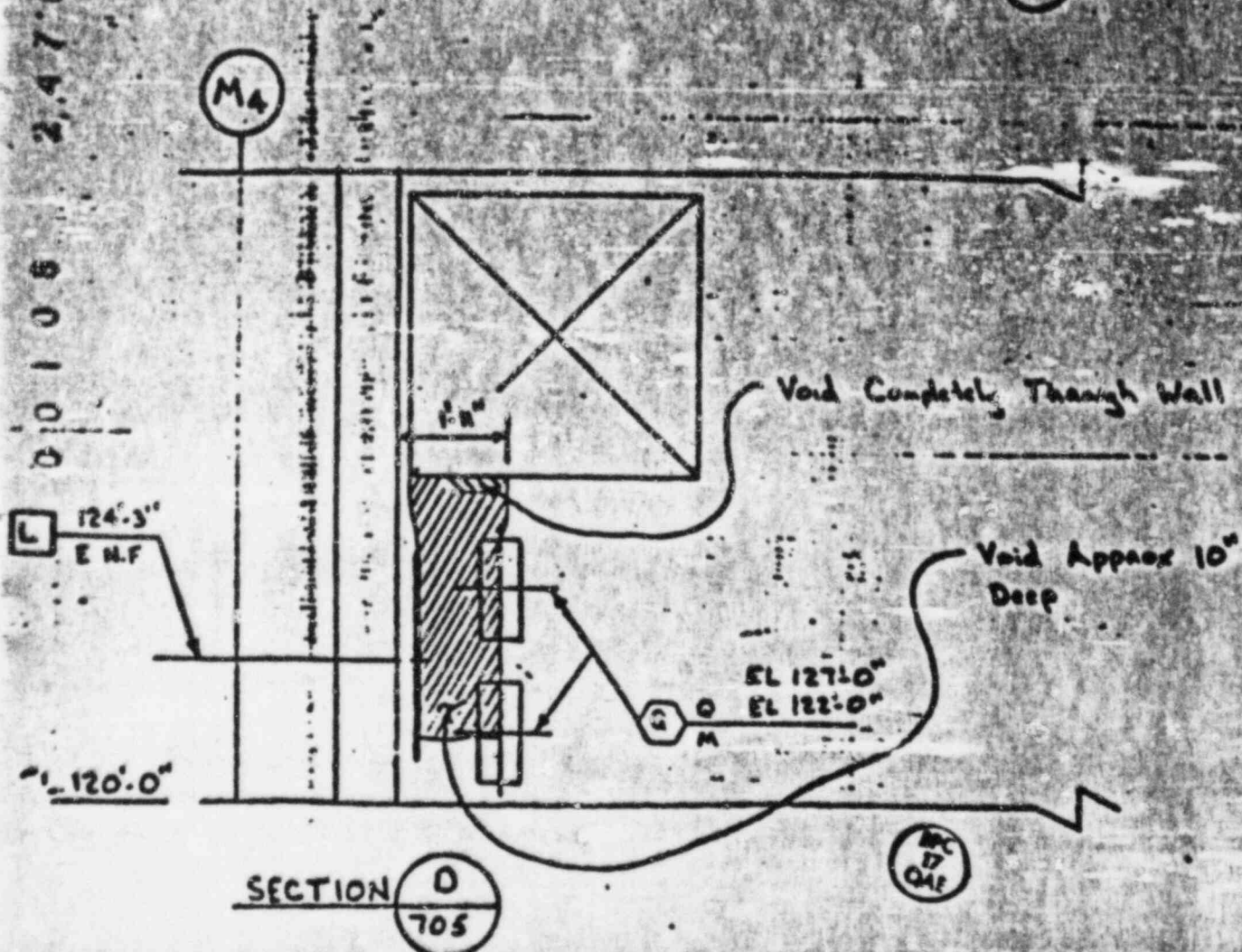


2. det

(Und: 1 + Naalen)

21/11/11

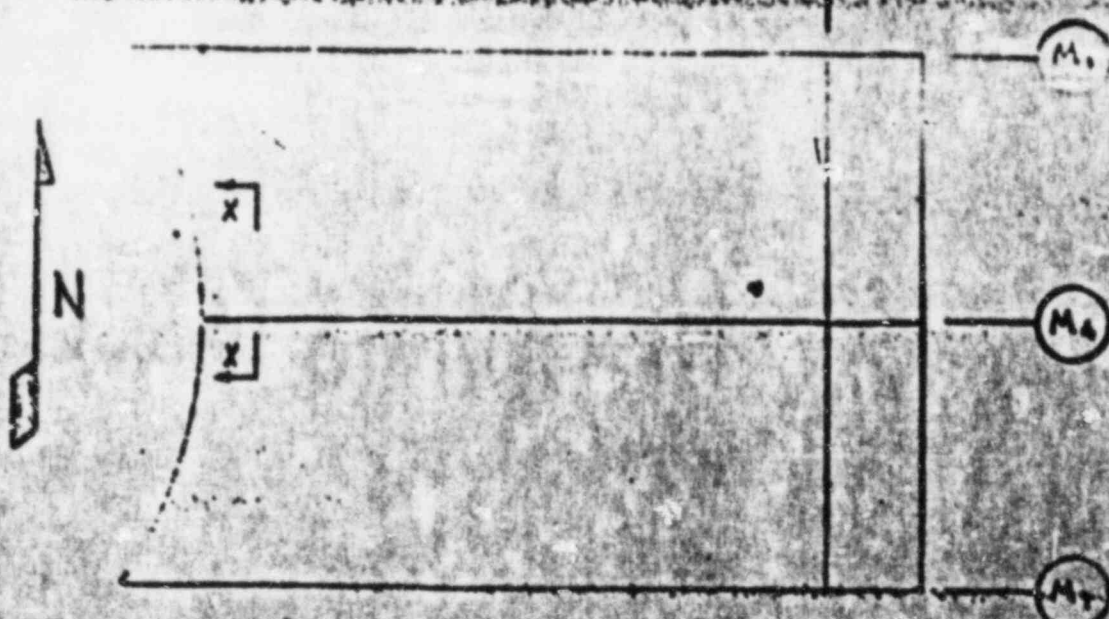
The diagram shows a rectangular area divided into four quadrants by a horizontal and vertical line. The left vertical boundary is dashed. The top-left quadrant contains a small square with an 'x' and an arrow pointing right. The bottom-left quadrant contains a similar square with an 'x' and an arrow pointing right. To the right of the structure are three circular nodes labeled  $M_1$ ,  $M_4$ , and  $M_7$ , connected to the top, middle, and bottom horizontal boundaries respectively.



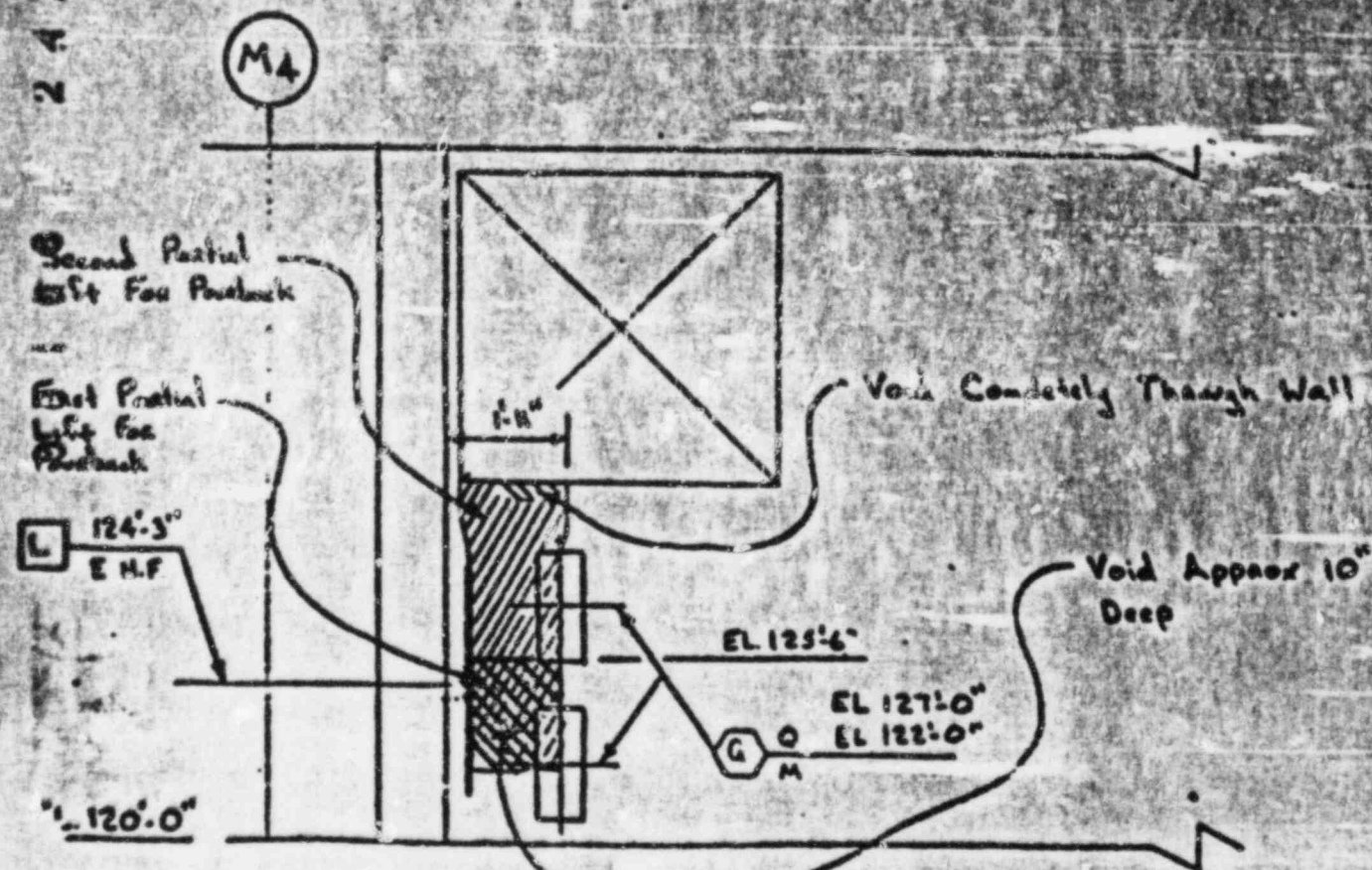


023544 D

RETENTION TIME 27.000



2471



SECTION O  
705

EPC  
17  
ONE



REV. 4

PALO VERDE NUCLEAR GENERATING STATION UNIT 1, 2 & 3  
CONSTRUCTION INSPECTION PLANNING  
FOR CONCRETE PREPLACEMENT  
JOB NO. 10407

ATTENTION TIME 2-2 VRS

92-5430

PAGE 1 OF 1

SPP/DCI  
NO. 22.0

1. STRUCTURE Main Steam Support Structure 2. LOCATION/ELEVATION Flowback West Wall EL. 125.6" To 129.4"  
3. UNIT NO. 1 4. PLACEMENT NO. 1 MOOR (Purbeck Partial) 5. SCHEDULED START 12/5/79  
6. PERMANENT PLANT STRUCTURE YES ☒ NO ☐

| 7.<br>ITEM<br>NO. | ITEM               | 7.1<br>QUALITY<br>CLASS | 7.2<br>DRAWING NO., NCR'S        | 7.3<br>F.E. |         | 7.4<br>SURVEY |         | 7.5<br>O.C.E. |         |
|-------------------|--------------------|-------------------------|----------------------------------|-------------|---------|---------------|---------|---------------|---------|
|                   |                    |                         |                                  | BY          | DATE    | BY            | DATE    | BY            | DATE    |
| 1                 | FOUNDATION         |                         |                                  | NA          | NA      |               |         | NA            | NA      |
| 2                 | JOINT PREP.        |                         | METHOD <u>Chipping</u>           | JBW         | 12/4/79 |               |         | (C)           | 12/5/79 |
| 3                 | FORMWORK/SCREEDS   |                         |                                  | JBW         | 12/4/79 |               |         | (C)           | 12/5/79 |
| 4                 | REBAR              | Q                       | 13-C-2CS-701-4                   | JBW         | 12/4/79 |               |         | (C)           | 12/5/79 |
| 5                 | CADWELDS           | NA                      | NA                               | NA          | NA      |               |         | NA            | NA      |
| 6                 | EMBEDS             | Q                       | 13-C-2CS-707-7<br>13-C-2CS-708-7 | JBW         | 12/4/79 |               |         | (C)           | 12/5/79 |
| 7                 | STRUCT. STEEL      | NA                      | NA                               | NA          | NA      | NA            | NA      | NA            | NA      |
| 8                 | ELECTRICAL         | N/A                     | N/A                              | N/A         | N/A     | N/A           | N/A     | N/A           | N/A     |
| 9                 | PIPING             | NA                      | NA                               | GW          | 12/4/79 | 1-4           | 12/4/79 | 1-4           | 12/4/79 |
| 10                | TENDONS/TRUMPLATES | NA                      | NA                               | NA          | NA      | NA            | NA      | NA            | NA      |
| 11                | LINER PLATE        | NA                      | NA                               | NA          | NA      | NA            | NA      | NA            | NA      |
| 12                | FIELD WELDS        | N/A                     | N/A                              | N/A         | N/A     |               |         | N/A           | N/A     |
| 13                | PLACING FACIL.     |                         |                                  | JBW         | 12/4/79 |               |         | (C)           | 12/5/79 |
| 14                | FINAL CLEAN-UP     |                         |                                  | JBW         | 12/4/79 |               |         | (C)           | 12/5/79 |
| 15                | OTHER              | NA                      | NA                               | NA          | NA      | NA            | NA      | NA            | NA      |

8. CONCRETE CLASS P-1 POZZOLAN Yes APPROVAL NA F.E. JBW DATE 12/4/79  
9. CADWELD AS-BUILT FOR'S NA 10. PLACEMENT RATE 4ft/hour

11. REMARKS Ref NCR-C-X-1642

Qua.  $\approx 10ft^3$



12. (CIRCLE ONE)

ACCEPTANCE:

F.E.

DATE 12-5-79





REV. 3

PALO VERDE NUCLEAR GENERATING STATION UNIT 1, 2, 3  
CONSTRUCTION INSPECTION PLANNING FOR  
CONCRETE PLACEMENT  
JOB NO. 10407

RETENTION

0223430

PAGE 1 OF 1

WPP/GCI  
NO. 83.8

1. STRUCTURE MSSS QUALITY CLASS Q 2. LOCATION/ELEV West Wall FL 1256'  
3. UNIT NO. 1 4. CONCRETE MIX 10005 SPEC NO. 13-CM-305 REV 0 DCN NA PCB NA  
5. PLACEMENT NO. 10005 7. ENG DWG NO 13-C-265-705 REV 6 DCN NA PCB NA  
6. SCM START DATE 12/5/79 VE INIT. / OCE STAMP AND DATE TO VERIFY "CM FOR CONCRETE  
PREPLACEMENT" HAS BEEN COMPLETED DATE 12/5/79

## 10. PLACING DATA

| TIME | MIX  | NO. | PLACING | REMARKS |
|------|------|-----|---------|---------|
| BY   | END  | NO. | METHOD  |         |
| 3230 | 3230 | B-1 | 1       | BUCKET  |
|      |      |     |         |         |
|      |      |     |         |         |

## 11. RECORD OF WASTE AT PLACEMENT

## 12. DELAYS OR DOWNTIME

| TIME | MIX | NO. | REASON | TIME  | REASON |
|------|-----|-----|--------|-------|--------|
|      | NO. | NO. |        | START | END    |
|      |     |     | N/A    |       |        |
|      |     |     |        |       |        |
|      |     |     |        |       |        |

13. FINISHING TYPE: Steel Travel 8" Dia. Opag.14. CURING METHOD: Moist

15A. DATE STARTED

12-5-79

## 15. OCE STAMP/FE INITIALS SIGNIFYING ITEMS LISTED BELOW HAVE BEEN INSPECTED AND ARE ACCEPTABLE.

1. VERIFY CONCRETE PLACED IN ACCORDANCE WITH APPLICABLE SPECIFICATIONS (83)
  2. VIBRATORS CHECKED FOR PROPER OPERATION AND NUMBER OF SPARES (83)
  3. FORMS CHK'D DURING PLACEMENT FOR LINE GRADE & MOVEMENT QUESTIONABLE AREAS (83)
- CHK'D BY SURVEY

## 4. CONCRETE TEST DATA LOG ATTACHED (83)

## 16. GENERAL COMMENTS

## 17. OCE/FE ACCEPTANCE

DATE:

JUL 20 80

00106 2478



REV. 4

PAID VERDE NUCLEAR GENERATING STATION UNIT 1, B & Y  
CONSTRUCTION INSPECTION PLANNING FOR  
CONCRETE POST-PLACEMENT  
JOB NO. 19407

RETENTION TIME 2 YRS

PAGE 1 OF 1

WPP/DCI  
NO. 54.9

1. DATE 12/6/79 2. UNIT NO. 1 3. PLACEMENT COMPLETED DATE 12/6/79  
4. STRUCTURE MSSS 4.1 DWG NO. 13-CZCS-701-4 5. PLACEMENT NO. 1M005 Port 1  
6. TYPE FINISH Steel Travel 8" Dia Opng. 7. TYPE CURE Moist

## 8. FINISHING

| ITEM          | FE/DCI             |                |
|---------------|--------------------|----------------|
|               | ACCEPT             | DATE           |
| <u>T.O.C.</u> | <u>(Signature)</u> | <u>12-6-79</u> |

9. DAILY CURE RECORD CURE STARTED DATE 12-5-79

| DAYS COMPLETE | TEMPERATURE °F |      | WEATHER   | REMARKS | FE/DCI             |                 |
|---------------|----------------|------|-----------|---------|--------------------|-----------------|
|               | LOW            | HIGH |           |         | ACCEPT             | DATE            |
| 1             | 42             | 88   | CLEAR     |         | <u>(Signature)</u> | <u>12-6-79</u>  |
| 2             | 40             | 90   | CLEAR     |         | <u>(Signature)</u> | <u>12-7-79</u>  |
| 3             | 42             | 93   | CLEAR     |         | <u>(Signature)</u> | <u>12-8-79</u>  |
| 4             | 41             | 91   | CLEAR     |         | <u>(Signature)</u> | <u>12-9-79</u>  |
| 5             | 40             | 85   | CLEAR     |         | <u>(Signature)</u> | <u>12-10-79</u> |
| 6             | 42             | 80   | P. CLOUDY |         | <u>(Signature)</u> | <u>12-11-79</u> |
| 7             | 38             | 68   | P. CLOUDY |         | <u>(Signature)</u> | <u>12-12-79</u> |

10. FORMS LOOSENEED DATE 12-6-79 11. FORMS REMOVED DATE 12-6-7912. CONCRETE REPAIRS REQ: ☐ YES ☒ NO

13. CURE RECORD FOR CONCRETE REPAIRS

| TYPE | FE/DCI |      | TYPE CURE | DATE  |       | DCI    |      |
|------|--------|------|-----------|-------|-------|--------|------|
|      | ACCEPT | DATE |           | START | COMP. | ACCEPT | DATE |
|      |        |      |           |       |       |        |      |
|      |        |      |           |       |       |        |      |
|      |        |      |           |       |       |        |      |

14. HOT WEATHER: CURING PROCEDURES USED SATISFACTORILY

N/A

COLD WEATHER: CURING PROCEDURES USED SATISFACTORILY

N/A

NORMAL WEATHER: CURING PROCEDURES USED SATISFACTORILY

(Signature)12-13-79

15. INSERT PLATES FOR PROPER ANCHOR BOLT THREAD ENGAGEMENT.

N/A

16. REMARKS:

17. FE/DCI ACCEPTANCE

DATE:

JAN 17 '80

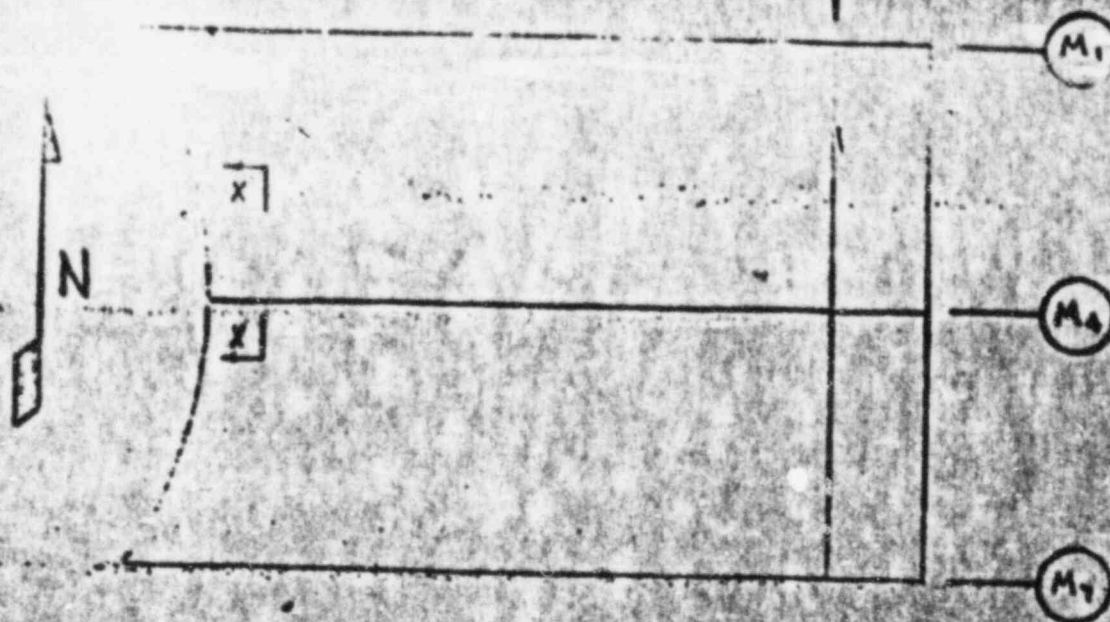
PP-1450 (10407)

EXHIBIT 54.0-1

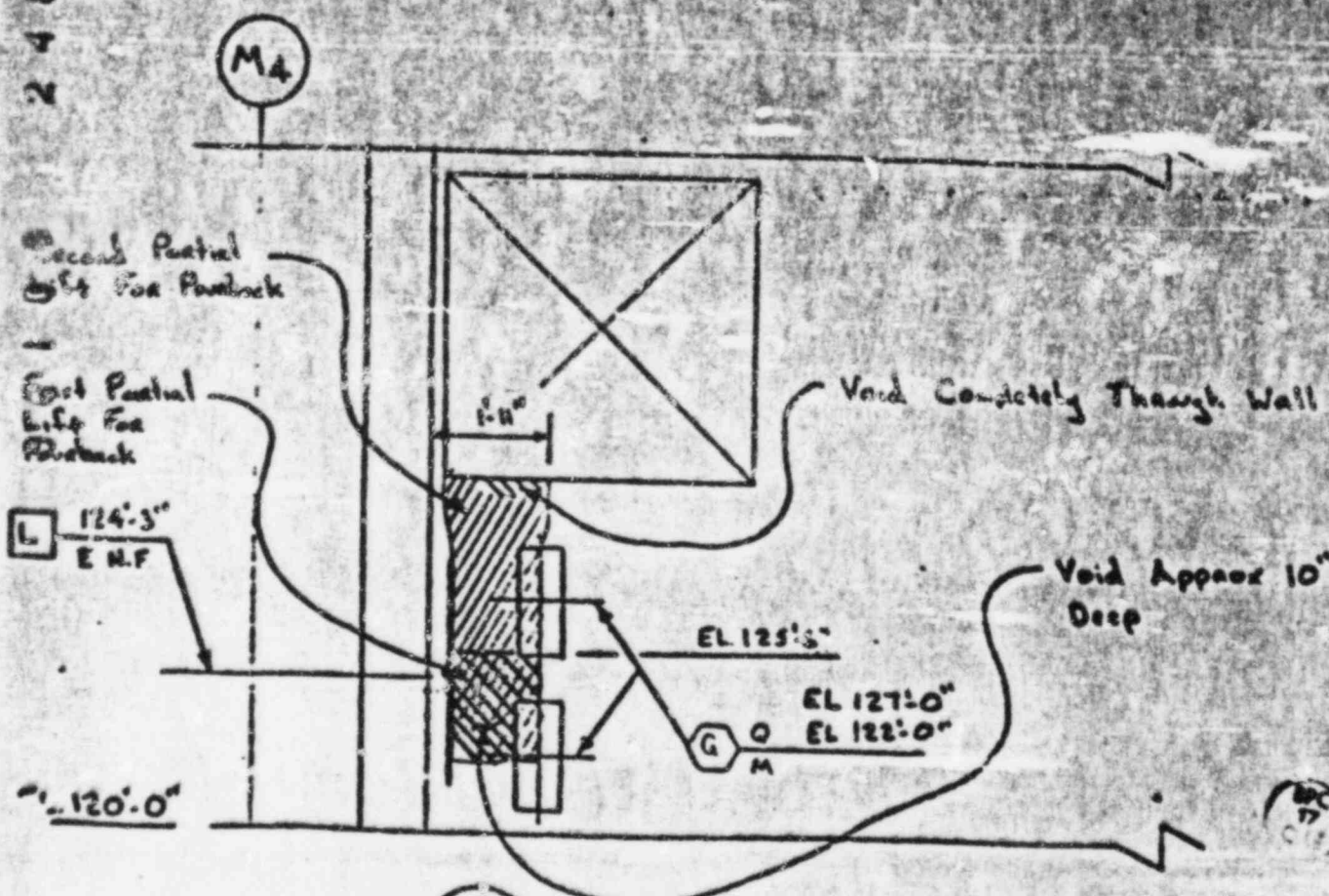
30108 2479



RETENTION TIME 21 YRS  
Q725430



2480



SECTION 0  
705

BPC  
17  
C18