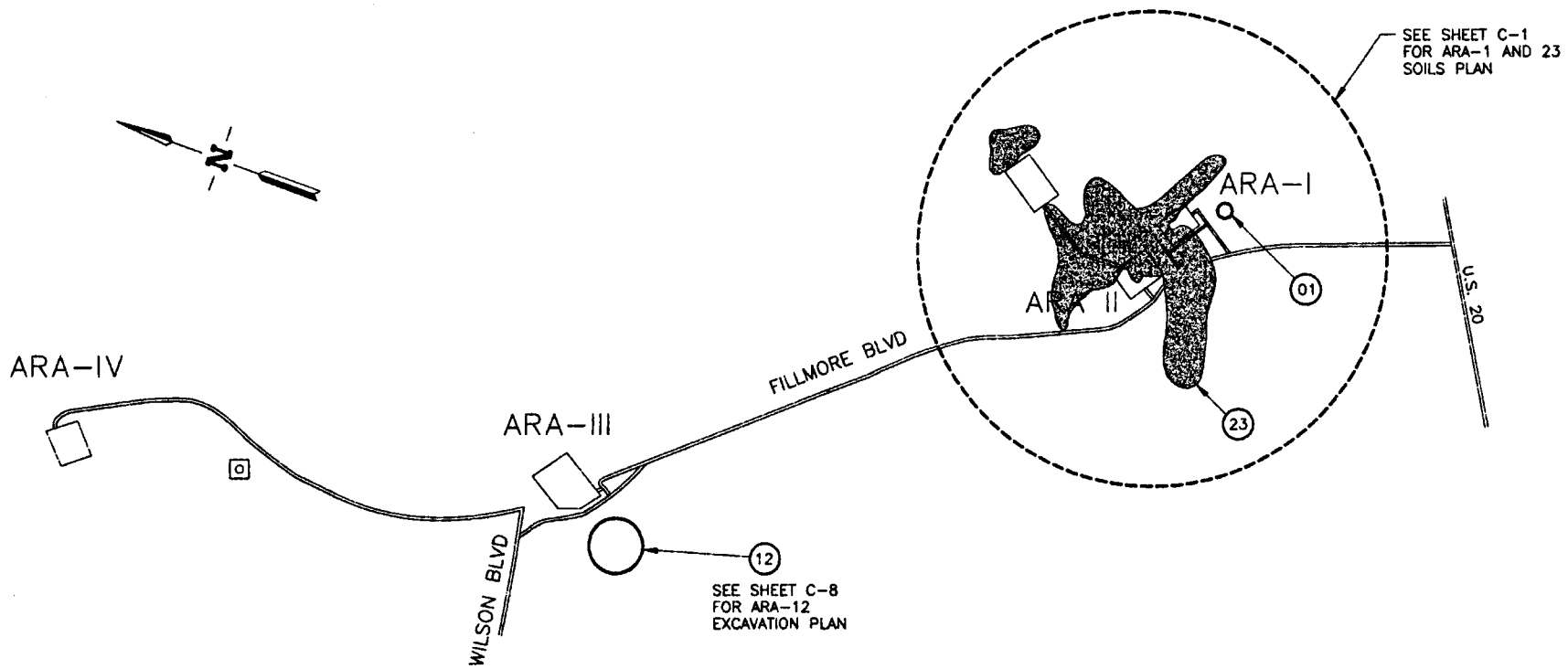
# Appendix A

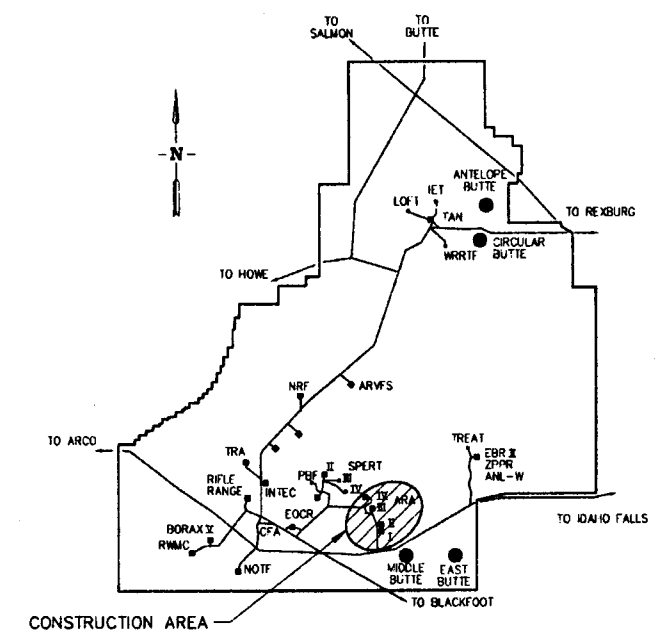
## Design Drawings for Waste Area Group 5
## Remedial Design/Remedial Action Operable Unit 5-12
## Phase II

| REVISIONS | | |
|---|---|---|
| REV | DESCRIPTION | EFFECTIVE DATE: |
| 1 | SEE DAR 96982 | 04/09/2003 |




## AUXILIARY REACTOR AREA MAP

SCALE: NONE




## SITE MAP

SCALE: NONE

## DRAWING INDEX

| PAGE NO. | DWG NO. | A-E DWG NO. | REV | DRAWING TITLE |
|---|---|---|---|---|
| 1 | 516004 | T-1 | 1 | SITE MAP, AREA MAP AND DRAWING INDEX |
| 2 | 516005 | T-2 | 1 | LEGEND, ABBREVIATIONS AND GENERAL NOTES |
| 3 | 516006 | C-1 | 1 | ARA-01 AND 23 SOILS PLAN |
| 4 | 516007 | C-2 | 1 | ARA-23 AREA EXCAVATION PLAN |
| 5 | 516008 | C-3 | 1 | ARA-23 AREA EXCAVATION PLAN (SL-I BURIAL GROUNDS) |
| 6 | 516009 | C-4 | 1 | ARA-23 AREA EXCAVATION PLAN (SL-1 HAUL ROAD) |
| 7 | 516010 | C-5 | 1 | ARA-23 AREA EXCAVATION PLAN (ARA I AND II FACILITIES) |
| 8 | 516011 | C-6 | 1 | ARA-23 AREA EXCAVATION PLAN |
| 9 | 516012 | C-7 | 1 | ARA-01 AREA EXCAVATION PLAN |
| 10 | 516013 | C-8 | 1 | ARA-12 AREA EXCAVATION PLAN |
| 11 | 516014 | C-9 | 1 | ARA-23 ABOVE/BELOW GRADE LOCATION PLAN |
| 12 | 516015 | C-10 | 1 | MISCELLANEOUS DETAILS |

## AUXILIARY REACTOR AREA LAND DISPOSAL UNITS

| NO. | TITLE |
|---|---|
| 01 | ARA-01: ARA-I CHEMICAL EVAPORATION POND |
| 12 | ARA-12: ARA-III RADIOACTIVE WASTE LEACH POND<br>ARA-III CS-137 CONTAMINATED SOIL SOUTHWEST OF ARA-12 |
| 23 | ARA-23: ARA-I AND ARA-II RADIOLOGICALLY CONTAMINATED SOILS |

| INDEX CODE NUMBER | | | | |
|---|---|---|---|---|
| AREA | TYPE | CL | ORIG | SERIAL |
| 070 | 0100 | 01 | 090 | |

| | | |
|---|---|---|
| FOR DRAWING INDEX SEE DRAWING NO. 516004 | SUBCONTRACT NO. TBD | INEEL |
| NO SCALE | REQUESTER: R. WELLS<br>DESIGN: K. FRITZ<br>DRAWN: ROB HERGESHEIMER<br>PROJECT NO. 020991<br>SPEC CODE | WASTE AREA GROUP 5<br>REMEDIAL DESIGN/REMEDIAL ACTION<br>PHASE II<br>SITE MAP, AREA MAP AND DRAWING INDEX |
| DESIGN PHASE: AFC<br>QUALITY LEVEL: CG | FOR REVIEW/APPROVAL SIGNATURES SEE DAR NO. 71018<br>EFFECTIVE DATE: 12-7-2000 | SIZE D · CAGE CODE · INDEX CODE NUMBER AREA 068 TYPE 0100 CL 01 ORIG 090 · DWG-516004 · REV 1 · SCALE: NONE · SHEET T-1 |

| INDEX CODE NUMBER | | | | |
|---|---|---|---|---|
| AREA | TYPE | CL | ORIG | SERIAL |
| 066 | 0100 | 01 | 090 | |

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| REVISIONS | | |
|---|---|---|
| REV | DESCRIPTION | EFFECTIVE DATE: |
| 1 | SEE DAR 96982 | 04/09/2003 |

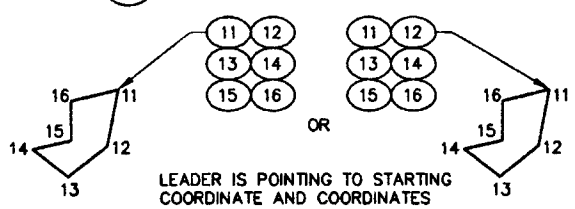
## SYMBOL KEY

A — SECTION LETTER
A-1 — A/E SHEET REFERENCE

A — VIEW OR ELEVATION LETTER
A-1 — A/E SHEET REFERENCE

1 — DETAIL NUMBER
— SAME SHEET REFERENCE

X — COORDINATE INDICATOR




LEADER IS POINTING TO STARTING COORDINATE AND COORDINATES LISTED ARE CLOCKWISE FROM STARTING COORDINATE

EXISTING UNDERGROUND PIPING

XXXX — EXISTING CONTOUR (1 FOOT INTERVALS)

EXISTING FENCE

OVERHEAD POWER LINE

CULVERT

CONTAMINATED SOIL AREA

BASALT OUTCROP / LAVA RUBBLE

## SUMMARY OF WORK

| SITES | SELECTED REMEDY |
|---|---|
| ARA-01 CHEMICAL EVAPORATION POND | EXCAVATE 3 INCHES OF CONTAMINATED SOIL FROM THE AREA SHOWN ON SHEET C-7 AND DISPOSE AT AN APPROVED ONSITE FACILITY. AFTER THE CONTRACTOR SCREENS AND IDENTIFIES THE NEW EXCAVATION BOUNDARIES, FURTHER EXCAVATE AT 3 INCH INTERVALS. SEQUENCE WILL CONTINUE UNTIL ALL CONTAMINATION ABOVE THE REMEDIAL ACTION GOAL IS REMOVED. |
| ARA-12 RADIOACTIVE WASTE LEACH POND | EXCAVATE 3 INCHES OF CONTAMINATED SOIL FROM THE AREA SHOWN ON SHEET C-8 AND DISPOSE AT AN APPROVED ONSITE FACILITY. AFTER THE CONTRACTOR SCREENS AND IDENTIFIES THE NEW EXCAVATION BOUNDARIES, FURTHER EXCAVATE AT 3 INCH INTERVALS. SEQUENCE WILL CONTINUE UNTIL ALL CONTAMINATION ABOVE THE REMEDIAL ACTION GOAL IS REMOVED. |
| ARA-23 RADIOLOGICAL CONTAMINATED SURFACE SOIL | THERE ARE FOUR SUB-AREAS IN ARA-23 THAT HAVE DIFFERENT EXCAVATION SPECIFICATIONS.<br><br>SL-1 BURIAL GROUND, ARA-II FACILITY, AND SL-1 HAUL ROAD.<br>EXCAVATE 6 INCHES OF CONTAMINATED SOIL FROM THE AREAS SHOWN ON SHEETS C-3, C-4, AND C-5 AND DISPOSE AT AN APPROVED ONSITE FACILITY. AFTER THE CONTRACTOR SCREENS AND IDENTIFIES THE NEW EXCAVATION BOUNDARIES, FURTHER EXCAVATE AT 3 INCH INTERVALS. SEQUENCE WILL CONTINUE UNTIL ALL CONTAMINATION ABOVE THE REMEDIAL ACTION GOAL IS REMOVED.<br><br>ARA-I FACILITY<br>AFTER THE CONTRACTOR SCREENS THE AREA FOR CONTAMINANTS AND IDENTIFIES THE BOUNDARIES, EXCAVATE AT 3 INCH INTERVALS UNTIL ALL CONTAMINATION ABOVE THE REMEDIAL ACTION GOALS IS REMOVED.<br><br>SOIL AREA A AND AREA C<br>A TREATABILITY STUDY CONDUCTED IN THE SUMMER OF 1999 GENERATED SEVERAL STOCK-PILES OF SOIL. THESE STOCKPILES ARE FROM A 3-INCH EXCAVATION OVER THE AREA AS SHOWN ON SHEETS C-4 AND C-6. THESE STOCKPILES SHALL BE REMOVED AND DISPOSED WITH THE REMAINING SOILS.<br><br>ALL OTHER AREAS INSIDE ARA-23.<br>EXCAVATE 3 INCHES OF CONTAMINATED SOIL FROM THE AREA SHOWN ON SHEETS C-2, C-3, C-4, C-5 AND C-6 AND DISPOSE AT AN APPROVED ONSITE FACILITY. AFTER THE CONTRACTOR SCREENS AND IDENTIFIES THE NEW EXCAVATION BOUNDARIES, FURTHER EXCAVATE AT 3 INCH INTERVALS. SEQUENCE WILL CONTINUE UNTIL ALL CONTAMINATION ABOVE THE REMEDIAL ACTION GOAL IS REMOVED. |
| ALL SITES | AREAS THAT HAVE BEEN EXCAVATED TO DEPTHS GREATER THAN 1 FOOT SHALL BE BACK-FILLED WITH UNCONTAMINATED SOIL IN ACCORDANCE WITH SPECIFICATION 02200 OR SLOPED AND GRADED TO PROMOTE DRAINAGE AND MATCH THE SURROUNDING TERRAIN. REVEGETATION SHALL BE DONE IN ALL DISTURBED AREAS IN ACCORDANCE WITH SPECIFICATION 02486. CONTAMINATED SOIL SHALL BE REMOVED AND TRANSPORTED TO AN APPROVED ON SITE FACILITY FOR PERMANENT DISPOSAL. |

## GENERAL NOTES

1. RETAIN AND PROTECT ALL EXISTING FACILITIES UNLESS OTHERWISE NOTED.
2. ALL EXCAVATED AREAS, 1-FOOT OR MORE IN DEPTH, SHALL BE MADE SAFE DURING CONSTRUCTION ACTIVITIES BY TRANSITIONING WITH A MAXIMUM 1:1 SLOPE TO EXISTING GRADE.
3. ALL AREAS INITIALLY INDICATED FOR EXCAVATION SHALL BE 3 INCHES IN DEPTH UNLESS OTHERWISE SPECIFIED. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
4. EXISTING RAD FENCING SHALL BE REMOVED AND RELOCATED DURING CONSTRUCTION AS NEEDED UNDER THE DIRECTION OF RAD CON PERSONNEL.
5. ARA-II FACILITY FENCE SHALL BE REMOVED AT THE COMPLETION OF CONSTRUCTION ACTIVITIES AS DIRECTED BY RAD CON PERSONNEL.
6. SEE SPECIAL CONDITIONS FOR ESTIMATED QUANTITIES.

PROFESSIONAL ENGINEER REGISTERED 9404 STATE OF IDAHO KURT D. FRITZ 11/9/03

| INDEX CODE NUMBER | | | | |
|---|---|---|---|---|
| AREA | TYPE | Q | ORG | SERIAL |
| 066 | 9999 | 38 | 090 | |

| | |
|---|---|
| FOR DRAWING INDEX SEE DRAWING NO. | 516004 |
| NO SCALE | |
| DESIGN PHASE: | AFC |
| QUALITY LEVEL: | CG |
| SUBCONTRACT NO. | TBD |
| REQUESTER: | R. WELLS |
| DESIGN: | K. FRITZ |
| DRAWN: | B.SEARLE |
| PROJECT NO. | 020991 |
| SPEC CODE | |
| FOR REVIEW/APPROVAL SIGNATURES SEE DAR NO. | 71018 |
| EFFECTIVE DATE: | 12-7-2000 |

INEEL — BECHTEL BWXT IDAHO, LLC

WASTE AREA GROUP 5
REMEDIAL DESIGN/REMEDIAL ACTION
PHASE II

LEGEND, ABBREVIATIONS AND GENERAL NOTES

| SIZE | CAGE CODE | INDEX CODE NUMBER | | | | DWG | REV |
|---|---|---|---|---|---|---|---|
| | | AREA | TYPE | Q | ORG | | |
| D | | 068 | 9999 | 38 | 090 | DWG-516005 | 1 |

SCALE: NONE — SHEET T-2

| INDEX CODE NUMBER | | | | |
|---|---|---|---|---|
| AREA | TYPE | Q | ORG | SERIAL |
| 070 | 9999 | 38 | 090 | |

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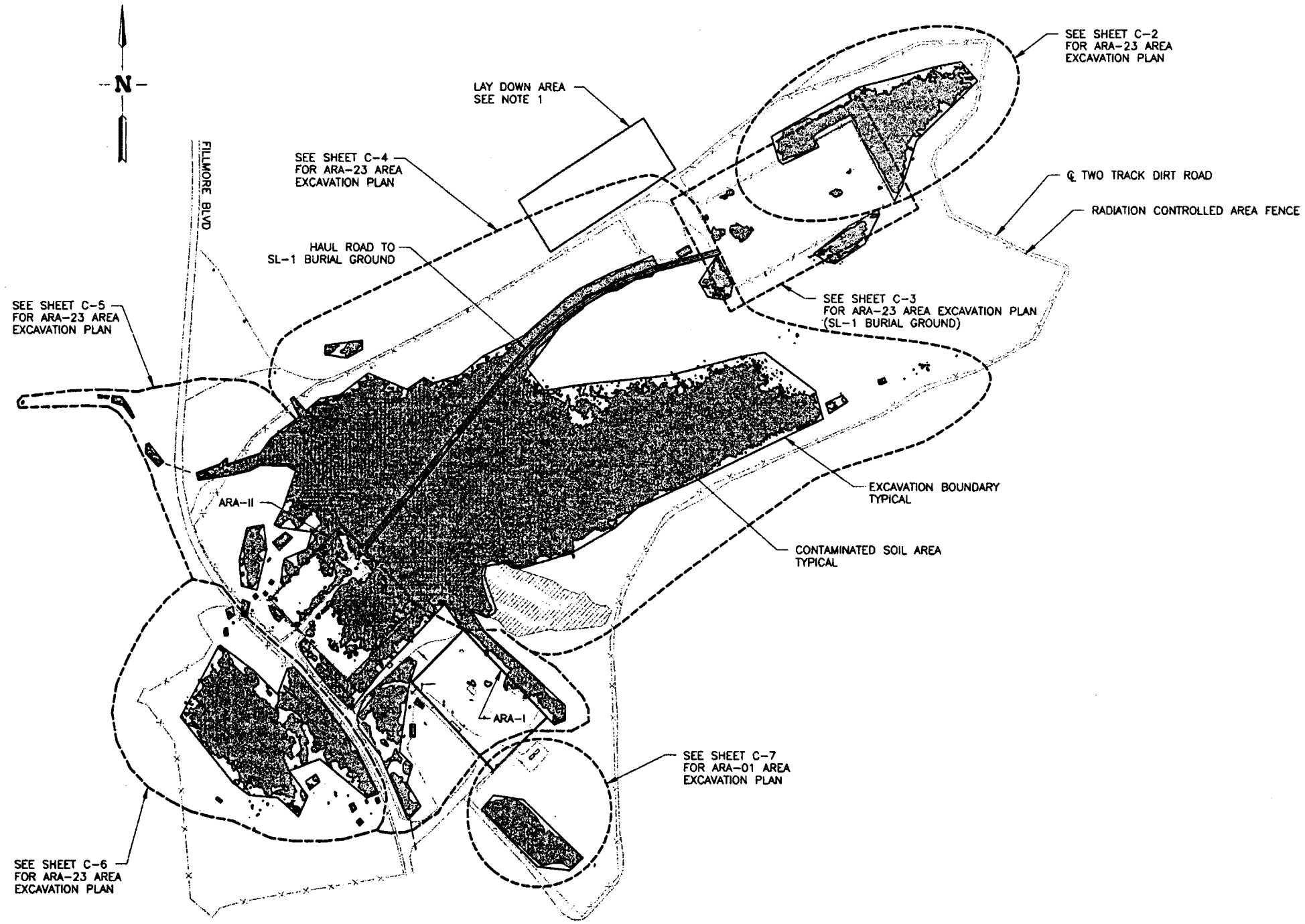
| REVISIONS | | |
|---|---|---|
| REV | DESCRIPTION | EFFECTIVE DATE: |
| 1 | SEE DAR 96982 | 04/09/2003 |




## ARA 1 AND 23 SOILS PLAN

SCALE: 1"=200.0'

## NOTES

1. SUBCONTRACTOR SHALL USE THIS AREA AS A LAY DOWN AREA DURING CONSTRUCTION. GRADE PROPERLY FOR CONSTRUCTION ACCESS, RE-GRADE AND RE-VEGETATE TO MATCH EXISTING CONDITION AT THE COMPLETION OF CONSTRUCTION.

PROFESSIONAL ENGINEER REGISTERED 9404 4/9/03 STATE OF IDAHO KURT D. FRITZ

| | | |
|---|---|---|
| FOR DRAWING INDEX SEE DRAWING NO. 516004 | SUBCONTRACT NO. TBD | INEEL BECHTEL BWXT IDAHO, LLC |
| SCALE: 1" = 200.0' | REQUESTER: R. WELLS | WASTE AREA GROUP 5 REMEDIAL DESIGN/REMEDIAL ACTION PHASE II |
| | DESIGN: K. FRITZ | |
| | DRAWN: B.SEARLE | ARA-01 AND 23 SOILS PLAN |
| | PROJECT NO. 020991 | |
| | SPEC CODE | |
| DESIGN PHASE: AFC | FOR REVIEW/APPROVAL SIGNATURES SEE DAR NO. 71018 | SIZE D; CAGE CODE; INDEX CODE NUMBER AREA 068 TYPE 0100 CL 02 ORIG 090; DWG-516006; REV 1 |
| QUALITY LEVEL: CG | EFFECTIVE DATE: 12-7-2000 | SCALE: 1"=200.0'; SHEET C-1 |

| INDEX CODE NUMBER | | | | |
|---|---|---|---|---|
| AREA | TYPE | CL | ORIG | SERIAL |
| 070 | 0100 | 02 | 090 | |

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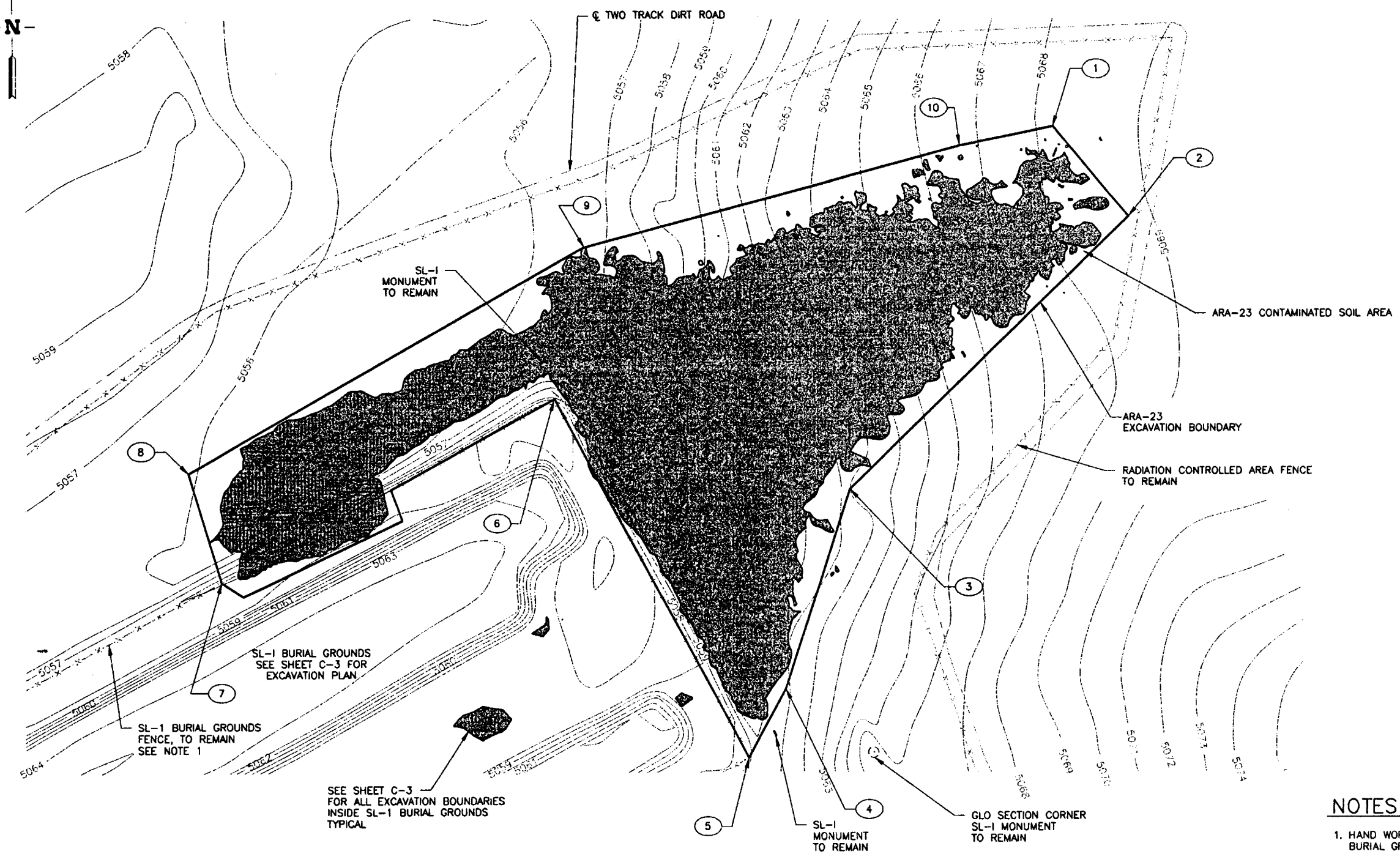
| REVISIONS | | |
|---|---|---|
| REV | DESCRIPTION | EFFECTIVE DATE |
| 1 | SEE DAR 96982 | 04/09/2003 |




## COORDINATE TABLE

DATUM: HORIZONTAL: NAD27

| NO. | NORTHING | EASTING |
|---|---|---|
| 1 | 677180.93 | 328027.92 |
| 2 | 677115.66 | 328083.46 |
| 3 | 676915.93 | 327877.88 |
| 4 | 676767.84 | 327830.15 |
| 5 | 676718.11 | 327802.96 |
| 6 | 676981.81 | 327659.99 |
| 7 | 676847.61 | 327413.14 |
| 8 | 676927.62 | 327388.8 |
| 9 | 677093.39 | 327681.63 |
| 10 | 677167.3 | 327958.75 |

## NOTES

1. HAND WORK MAY BE REQUIRED FOR EXCAVATIONS NEAR THE SL-1 BURIAL GROUND FENCE.

## ARA-23 AREA EXCAVATION PLAN

SCALE: 1"=40.0'

PROFESSIONAL ENGINEER REGISTERED 8404 4/9/03 STATE OF IDAHO KURT D. FRITZ

| INDEX CODE NUMBER | | | | |
|---|---|---|---|---|
| AREA | TYPE | Q | ORG | SERIAL |
| 070 | 0100 | 02 | 090 | |

FOR DRAWING INDEX SEE DRAWING NO. 516004

30' 20' 10' 0 30'
SCALE: 1" = 30.0'

DESIGN PHASE: AFC
QUALITY LEVEL: CG

SUBCONTRACT NO. TBD
REQUESTER: R. WELLS
DESIGN: K. FRITZ
DRAWN: B.SEARLE
PROJECT NO. 020991
SPEC CODE
FOR REVIEW/APPROVAL SIGNATURES SEE DAR NO. 71018
EFFECTIVE DATE: 12-7-2000

INEEL Idaho National Engineering & Environmental Laboratory LOCKHEED MARTIN IDAHO, LLC

WASTE AREA GROUP 5
REMEDIAL DESIGN/REMEDIAL ACTION
PHASE II

ARA-23 AREA EXCAVATION PLAN

| SIZE | CAGE CODE | INDEX CODE NUMBER | | | | DWG | REV |
|---|---|---|---|---|---|---|---|
| | | AREA | TYPE | Q | ORIG | | |
| D | | 068 | 0100 | 02 | 090 | 516007 | 1 |

SCALE: 1"=30.0'
SHEET C-2

Date: 04/09/03 - 2:05 P.M. Layout Name: D Size ID: KJ1
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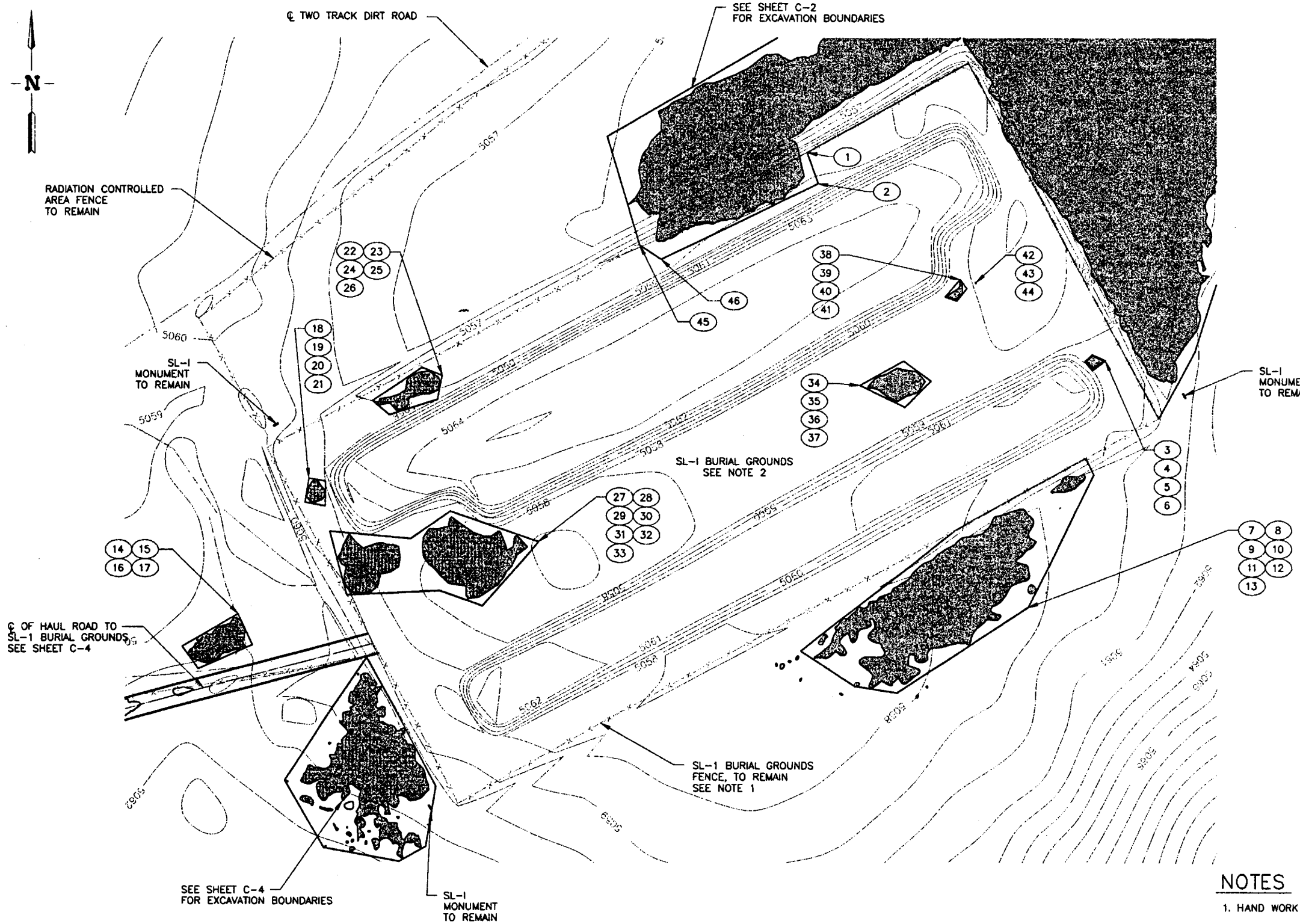
Path: G:\seq\fritz\herq\Rev-1

| REVISIONS | | |
|---|---|---|
| REV. | DESCRIPTION | EFFECTIVE DATE: |
| 1 | SEE DAR 96982 | 04/09/2003 |




| COORDINATE TABLE | | |
|---|---|---|
| DATUM: HORIZONTAL: NAD27 | | |
| NO. | NORTHING | EASTING |
| 1 | 676915.77 | 327538.51 |
| 2 | 676893.10 | 327547.02 |
| 3 | 676761.50 | 327762.93 |
| 4 | 676754.11 | 327753.19 |
| 5 | 676760.92 | 327747.32 |
| 6 | 676765.84 | 327752.95 |
| 7 | 676577.44 | 327704.59 |
| 8 | 676513.16 | 327605.96 |
| 9 | 676518.05 | 327574.22 |
| 10 | 676544.37 | 327533.75 |
| 11 | 676634.61 | 327649.48 |
| 12 | 676688.44 | 327748.42 |
| 13 | 676676.08 | 327754.38 |
| 14 | 676570.95 | 327110.93 |
| 15 | 676548.05 | 327121.35 |
| 16 | 676529.81 | 327080.76 |
| 17 | 676546.69 | 327068.79 |
| 18 | 676672.43 | 327164.32 |
| 19 | 676670.28 | 327177.04 |
| 20 | 676651.79 | 327176.87 |
| 21 | 676654.60 | 327161.34 |
| 22 | 676750.09 | 327264.74 |
| 23 | 676732.13 | 327261.18 |
| 24 | 676720.44 | 327224.89 |
| 25 | 676731.13 | 327212.34 |
| 26 | 676755.89 | 327249.51 |
| 27 | 676625.93 | 327337.52 |
| 28 | 676577.72 | 327294.56 |
| 29 | 676589.33 | 327262.52 |
| 30 | 676585.81 | 327192.43 |
| 31 | 676633.32 | 327180.11 |
| 32 | 676628.04 | 327241.03 |
| 33 | 676648.10 | 327270.96 |
| 34 | 676743.00 | 327578.52 |
| 35 | 676761.16 | 327611.23 |
| 36 | 676746.44 | 327631.89 |
| 37 | 676726.56 | 327612.19 |
| 38 | 676822.33 | 327653.45 |
| 39 | 676815.43 | 327658.76 |
| 40 | 676806.17 | 327651.07 |
| 41 | 676809.22 | 327642.25 |
| 42 | 676819.96 | 327665.57 |
| 43 | 676819.22 | 327665.56 |
| 44 | 676819.93 | 327664.81 |
| 45 | 676847.61 | 327413.14 |
| 46 | 676837.02 | 327429.27 |

## NOTES

1. HAND WORK MAY BE REQUIRED FOR EXCAVATIONS NEAR THE SL-1 BURIAL GROUND FENCE.
2. THE INITIAL EXCAVATION INSIDE THE SL-1 BURIAL GROUNDS FENCE SHALL BE THE TOP 6 INCHES. ALL OTHER EXCAVATIONS IDENTIFIED ON THIS SHEET SHALL BE 3 INCHES.

# ARA-23 AREA EXCAVATION PLAN

(SL-1 BURIAL GROUNDS)
SCALE: 1"=30.0'

PROFESSIONAL ENGINEER REGISTERED 9404 4/9/03 STATE OF IDAHO KURT D. FRITZ

| INDEX CODE NUMBER | | | | |
|---|---|---|---|---|
| AREA | TYPE | Q | ORG | SERIAL |
| 070 | D100 | 02 | 090 | |

| | |
|---|---|
| FOR DRAWING INDEX SEE DRAWING NO. | 516004 |
| SUBCONTRACT NO. | TBD |
| REQUESTER: | R. WELLS |
| DESIGN: | K. FRITZ |
| DRAWN: | B.SEARLE |
| PROJECT NO. | 020991 |
| SPEC CODE | |
| FOR REVIEW/APPROVAL SIGNATURES SEE DAR NO. | 71018 |
| DESIGN PHASE: | AFC |
| QUALITY LEVEL: | CG |
| EFFECTIVE DATE: | 12-7-2000 |

30' 20' 10' 0 30'
SCALE: 1" = 30.0

**INEEL** BECHTEL BWXT IDAHO, LLC

WASTE AREA GROUP 5
REMEDIAL DESIGN/REMEDIAL ACTION
PHASE II
ARA-23 AREA EXCAVATION PLAN
(SL-1 BURIAL GROUNDS)

| SIZE | CAGE CODE | INDEX CODE NUMBER AREA | TYPE | SL | ORG | DWG- | REV |
|---|---|---|---|---|---|---|---|
| D | | 068 | D100 | 02 | 090 | 516008 | 1 |

SCALE: 1"=30.0' SHEET C-3

FMT-31-REV 3.2

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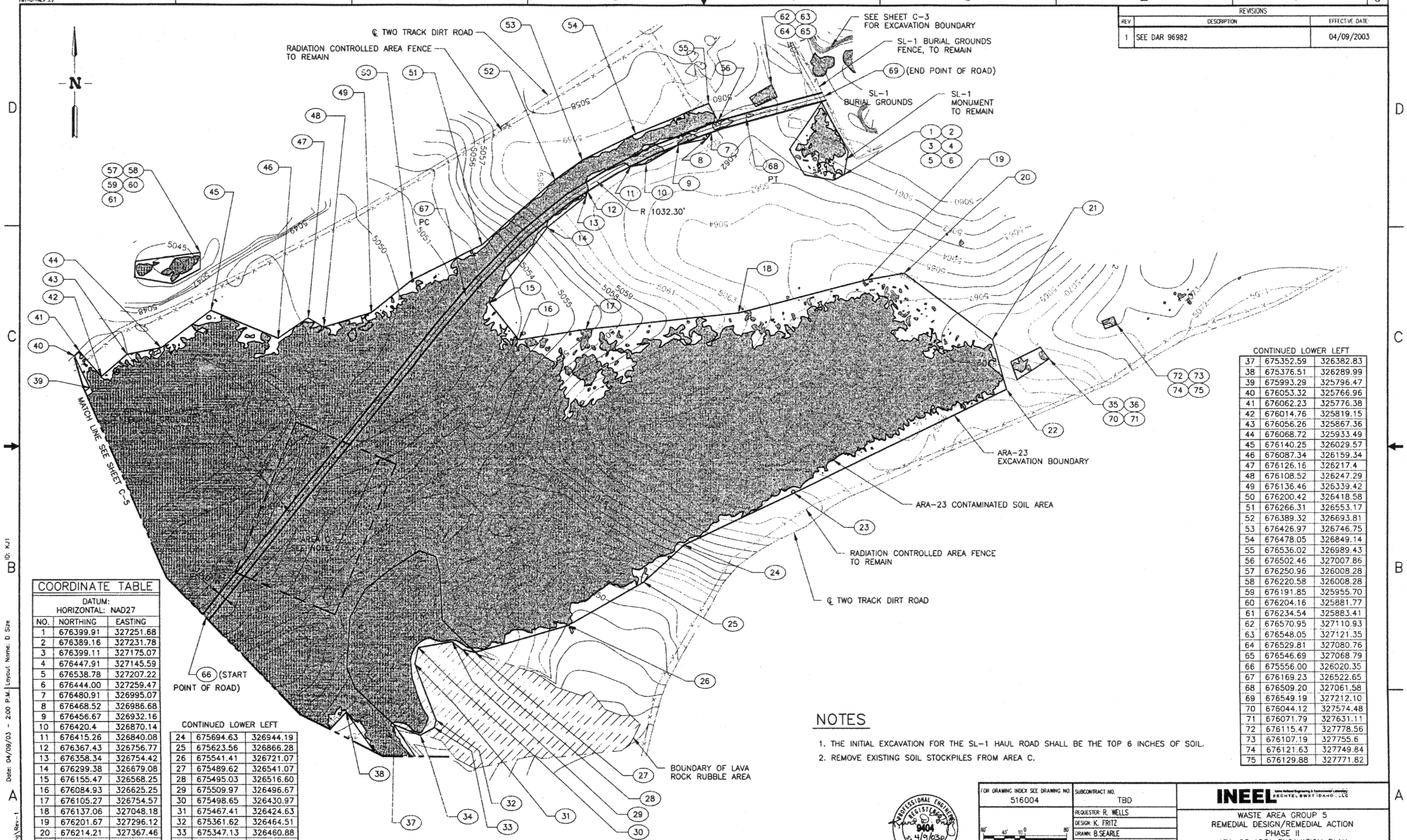
| REVISIONS | | |
|---|---|---|
| REV | DESCRIPTION | EFFECTIVE DATE |
| 1 | SEE DAR 96982 | 04/09/2003 |




## ARA-23 AREA EXCAVATION PLAN

SCALE: 1"=80.0'

| COORDINATE TABLE | | |
|---|---|---|
| DATUM: HORIZONTAL: NAD27 | | |
| NO. | NORTHING | EASTING |
| 1 | 676399.91 | 327251.68 |
| 2 | 676389.16 | 327231.78 |
| 3 | 676399.11 | 327175.07 |
| 4 | 676447.91 | 327145.59 |
| 5 | 676538.78 | 327207.22 |
| 6 | 676444.00 | 327259.47 |
| 7 | 676480.91 | 326995.07 |
| 8 | 676468.52 | 326986.68 |
| 9 | 676456.67 | 326932.16 |
| 10 | 676420.4 | 326870.14 |
| 11 | 676415.26 | 326840.08 |
| 12 | 676367.43 | 326756.77 |
| 13 | 676358.34 | 326754.42 |
| 14 | 676299.38 | 326679.08 |
| 15 | 676155.47 | 326568.25 |
| 16 | 676084.93 | 326625.25 |
| 17 | 676105.27 | 326754.57 |
| 18 | 676137.06 | 327048.18 |
| 19 | 676201.67 | 327296.12 |
| 20 | 676214.21 | 327367.46 |
| 21 | 676086.34 | 327538.67 |
| 22 | 675992.05 | 327565.88 |
| 23 | 675792.44 | 327155.78 |
| CONTINUED UPPER RIGHT | | |

CONTINUED LOWER LEFT

| | | |
|---|---|---|
| 24 | 675694.63 | 326944.19 |
| 25 | 675623.56 | 326866.28 |
| 26 | 675541.41 | 326721.07 |
| 27 | 675489.62 | 326541.07 |
| 28 | 675495.03 | 326516.60 |
| 29 | 675509.97 | 326496.67 |
| 30 | 675498.65 | 326430.97 |
| 31 | 675467.41 | 326424.63 |
| 32 | 675361.62 | 326464.51 |
| 33 | 675347.13 | 326460.88 |
| 34 | 675332.19 | 326433.25 |
| 35 | 676049.59 | 327648.32 |
| 36 | 676010.39 | 327586.64 |
| CONTINUED UPPER RIGHT | | |

CONTINUED LOWER LEFT

| | | |
|---|---|---|
| 37 | 675352.59 | 326382.83 |
| 38 | 675376.51 | 326289.99 |
| 39 | 675993.29 | 325796.47 |
| 40 | 676053.32 | 325766.96 |
| 41 | 676062.23 | 325776.38 |
| 42 | 676014.76 | 325819.15 |
| 43 | 676056.26 | 325867.36 |
| 44 | 676068.72 | 325933.49 |
| 45 | 676140.25 | 326029.57 |
| 46 | 676087.34 | 326159.34 |
| 47 | 676126.16 | 326217.4 |
| 48 | 676108.52 | 326247.29 |
| 49 | 676136.46 | 326339.42 |
| 50 | 676200.42 | 326418.58 |
| 51 | 676266.31 | 326553.17 |
| 52 | 676389.32 | 326693.81 |
| 53 | 676426.97 | 326746.75 |
| 54 | 676478.05 | 326849.14 |
| 55 | 676536.02 | 326989.43 |
| 56 | 676502.46 | 327007.86 |
| 57 | 676250.96 | 326008.28 |
| 58 | 676220.58 | 326008.28 |
| 59 | 676191.85 | 325955.70 |
| 60 | 676204.16 | 325881.77 |
| 61 | 676234.54 | 325883.41 |
| 62 | 676570.95 | 327110.93 |
| 63 | 676548.05 | 327121.35 |
| 64 | 676529.81 | 327080.76 |
| 65 | 676546.69 | 327068.79 |
| 66 | 675556.00 | 326020.35 |
| 67 | 676169.23 | 326522.65 |
| 68 | 676509.20 | 327061.58 |
| 69 | 676549.19 | 327212.10 |
| 70 | 676044.12 | 327574.48 |
| 71 | 676071.79 | 327631.11 |
| 72 | 676115.47 | 327778.56 |
| 73 | 676107.19 | 327755.6 |
| 74 | 676121.63 | 327749.84 |
| 75 | 676129.88 | 327771.82 |

## NOTES

1. THE INITIAL EXCAVATION FOR THE SL-1 HAUL ROAD SHALL BE THE TOP 6 INCHES OF SOIL.
2. REMOVE EXISTING SOIL STOCKPILES FROM AREA C.

PROFESSIONAL ENGINEER REGISTERED 9404 STATE OF IDAHO KURT D. FRITZ 4/9/03

| INDEX CODE NUMBER | | | | |
|---|---|---|---|---|
| AREA | TYPE | CL | ORIG | SERIAL |
| 070 | 0100 | 02 | 090 | |

FOR DRAWING INDEX SEE DRAWING NO. 516004

SCALE: 1" = 80.0'

DESIGN PHASE: AFC

QUALITY LEVEL: CG

SUBCONTRACT NO. TBD

REQUESTER: R. WELLS

DESIGN: K. FRITZ

DRAWN: B.SEARLE

PROJECT NO. 020991

SPEC CODE

FOR REVIEW/APPROVAL SIGNATURES SEE DAR NO. 71018

EFFECTIVE DATE: 12-7-2000

INEEL Idaho National Engineering & Environmental Laboratory BECHTEL BWXT IDAHO, LLC

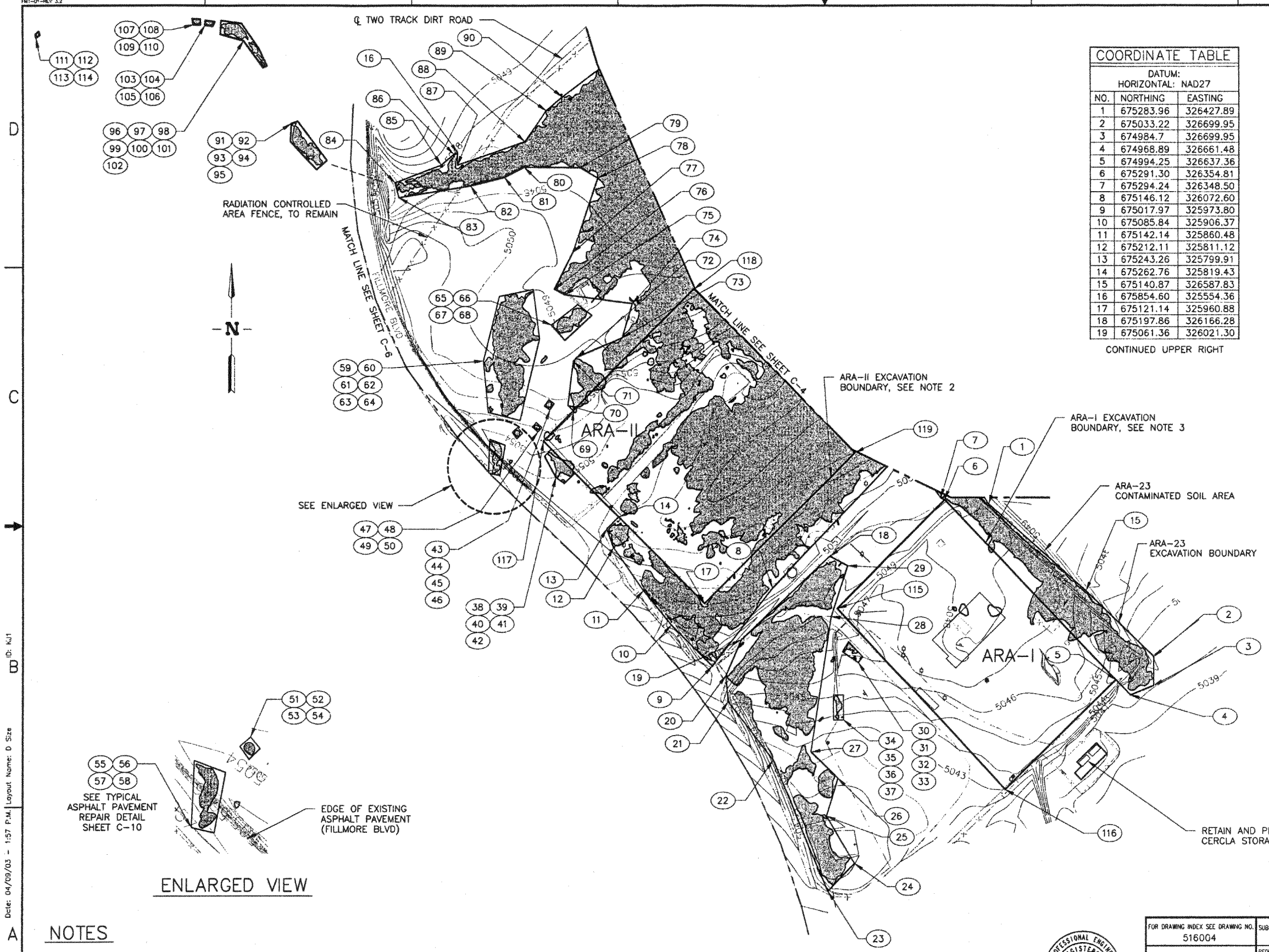
WASTE AREA GROUP 5
REMEDIAL DESIGN/REMEDIAL ACTION
PHASE II
ARA-23 AREA EXCAVATION PLAN
(SL-1 HAUL ROAD)

| SIZE | CAGE CODE | INDEX CODE NUMBER | | | | DWG- | REV |
|---|---|---|---|---|---|---|---|
| | | AREA | TYPE | CL | ORIG | | |
| D | | 068 | 0100 | 02 | 090 | 516009 | 1 |

SCALE: 1"=80.0'

SHEET C-4

File: 516009-1.dwg
Path: G:\text\Fritz\Dwrg\Rev-1
Date: 04/09/03 - 2:00 P.M. | Layout Name: D Size
ID: KJ1




## ENLARGED VIEW

| COORDINATE TABLE | | |
|---|---|---|
| DATUM: HORIZONTAL: NAD27 | | |
| NO. | NORTHING | EASTING |
| 1 | 675283.96 | 326427.89 |
| 2 | 675033.22 | 326699.95 |
| 3 | 674984.7 | 326699.95 |
| 4 | 674968.89 | 326661.48 |
| 5 | 674994.25 | 326637.36 |
| 6 | 675291.30 | 326354.81 |
| 7 | 675294.24 | 326348.50 |
| 8 | 675146.12 | 326072.60 |
| 9 | 675017.97 | 325973.80 |
| 10 | 675085.84 | 325906.37 |
| 11 | 675142.14 | 325860.48 |
| 12 | 675212.11 | 325811.12 |
| 13 | 675243.26 | 325799.91 |
| 14 | 675262.76 | 325819.43 |
| 15 | 675140.87 | 326587.83 |
| 16 | 675854.60 | 325554.36 |
| 17 | 675121.14 | 325960.88 |
| 18 | 675197.86 | 326166.28 |
| 19 | 675061.36 | 326021.30 |

CONTINUED UPPER RIGHT

CONTINUED LOWER LEFT

| | | |
|---|---|---|
| 20 | 675002.12 | 325996.04 |
| 21 | 674958.72 | 325999.72 |
| 22 | 674862.14 | 326073.98 |
| 23 | 674650.21 | 326164.34 |
| 24 | 674695.74 | 326208.12 |
| 25 | 674771.97 | 326161.65 |
| 26 | 674832.74 | 326180.04 |
| 27 | 674875.70 | 326136.18 |
| 28 | 675099.31 | 326168.70 |
| 29 | 675182.24 | 326195.90 |
| 30 | 675023.73 | 326213.66 |
| 31 | 675041.69 | 326187.74 |
| 32 | 675058.48 | 326197.74 |
| 33 | 675033.48 | 326220.51 |
| 34 | 674927.78 | 326189.26 |
| 35 | 674927.78 | 326172.96 |
| 36 | 674969.44 | 326172.44 |
| 37 | 674969.44 | 326189.00 |
| 38 | 675328.07 | 325716.35 |
| 39 | 675361.94 | 325698.18 |
| 40 | 675373.41 | 325708.91 |
| 41 | 675334.98 | 325747.29 |
| 42 | 675317.85 | 325730.14 |
| 43 | 675436.66 | 325706.9 |
| 44 | 675442.46 | 325697.89 |
| 45 | 675452.76 | 325704.97 |
| 46 | 675446.32 | 325713.99 |
| 47 | 675400.82 | 325686.73 |
| 48 | 675408.98 | 325678.14 |
| 49 | 675416.41 | 325684.29 |
| 50 | 675408.33 | 325693.38 |
| 51 | 675408.12 | 325653.46 |
| 52 | 675398.89 | 325661.40 |
| 53 | 675389.90 | 325652.25 |
| 54 | 675400.60 | 325644.66 |
| 55 | 675335.14 | 325604.95 |
| 56 | 675389.01 | 325607.31 |
| 57 | 675379.36 | 325632.86 |
| 58 | 675330.85 | 325623.84 |
| 59 | 675515.09 | 325596.77 |
| 60 | 675621.09 | 325623.13 |
| 61 | 675632.49 | 325679.60 |
| 62 | 675550.97 | 325689.66 |
| 63 | 675419.64 | 325657.61 |
| 64 | 675432.67 | 325604.67 |
| 65 | 675574.28 | 325709.33 |
| 66 | 675607.77 | 325752.39 |
| 67 | 675590.23 | 325775.52 |
| 68 | 675548.76 | 325731.26 |
| 69 | 675435.03 | 325744.98 |
| 70 | 675443.69 | 325736.33 |
| 71 | 675514.8 | 325745.18 |
| 72 | 675520.95 | 325750.38 |
| 73 | 675552.95 | 325825.18 |
| 74 | 675609.46 | 325842.07 |
| 75 | 675623.7 | 325731.33 |
| 76 | 675633.1 | 325714.16 |

CONTINUED UPPER RIGHT

CONTINUED LOWER LEFT

| | | |
|---|---|---|
| 77 | 675692.49 | 325744.31 |
| 78 | 675813.55 | 325785.55 |
| 79 | 675830.4 | 325756.06 |
| 80 | 675830.85 | 325664.41 |
| 81 | 675814.24 | 325632 |
| 82 | 675800.35 | 325575.71 |
| 83 | 675781.2 | 325456.88 |
| 84 | 675805.45 | 325450.53 |
| 85 | 675834.31 | 325527.12 |
| 86 | 675852.16 | 325548.18 |
| 87 | 675834.42 | 325553.99 |
| 88 | 675872.03 | 325665.79 |
| 89 | 675920.94 | 325700.81 |
| 90 | 675942.38 | 325727.07 |
| 91 | 675901.04 | 325279.90 |
| 92 | 675904.40 | 325290.72 |
| 93 | 675842.10 | 325338.81 |
| 94 | 675827.00 | 325321.58 |
| 95 | 675872.31 | 325278.40 |
| 96 | 676031.64 | 325201.60 |
| 97 | 676042.23 | 325163.55 |
| 98 | 676064.05 | 325164.88 |
| 99 | 676059.42 | 325198.63 |
| 100 | 676021.77 | 325225.80 |
| 101 | 675992.14 | 325240.38 |
| 102 | 675989.32 | 325234.03 |
| 103 | 676056.69 | 325138.58 |
| 104 | 676064.51 | 325139.14 |
| 105 | 676062.21 | 325155.04 |
| 106 | 676055.25 | 325151.44 |
| 107 | 676057.36 | 325119.40 |
| 108 | 676067.02 | 325117.67 |
| 109 | 676066.29 | 325130.93 |
| 110 | 676057.31 | 325131.18 |
| 111 | 676036.03 | 324860.34 |
| 112 | 676042.64 | 324859.70 |
| 113 | 676047.22 | 324865.03 |
| 114 | 676040.77 | 324867.07 |
| 115 | 675112.46 | 326179.00 |
| 116 | 674814.52 | 326455.22 |
| 117 | 675386.21 | 325696.12 |
| 118 | 675633.36 | 325943.46 |
| 119 | 675367.74 | 326207.49 |

| REVISIONS | | |
|---|---|---|
| REV | DESCRIPTION | EFFECTIVE DATE: |
| 1 | SEE DAR 96982 | 04/09/2003 |

## NOTES

1. SEE SHEET C-9 FOR IDENTIFICATION OF STRUCTURES AND INTERFERENCES.
2. THE INITIAL EXCAVATION FOR ARA-II SHALL BE THE TOP 6 INCHES OF SOIL.
3. AT ARA-I CONTRACTOR SHALL IDENTIFY EXCAVATION BOUNDARIES FOLLOWING REMOVAL OF CERCLA STORAGE UNITS.

# ARA-23 AREA EXCAVATION PLAN

(ARA I AND II FACILITIES)
SCALE: 1"=80.0'

PROFESSIONAL ENGINEER REGISTERED 9404 STATE OF IDAHO KURT D. FRITZ

| INDEX CODE NUMBER | | | | |
|---|---|---|---|---|
| AREA | TYPE | CL | ORIG | SERIAL |
| 070 | D100 | 02 | 090 | |

| | |
|---|---|
| FOR DRAWING INDEX SEE DRAWING NO. | 516004 |
| SUBCONTRACT NO. | TBD |
| REQUESTER: | R. WELLS |
| DESIGN: | K. FRITZ |
| DRAWN: | B.SEARLE |
| PROJECT NO. | 020991 |
| SPEC CODE | |
| FOR REVIEW/APPROVAL SIGNATURES SEE DAR NO. 71018 | |
| DESIGN PHASE: | AFC |
| QUALITY LEVEL: | CG |
| EFFECTIVE DATE: | 12-7-2000 |
| SCALE: | 1" = 80.0' |

INEEL Idaho National Engineering & Environmental Laboratory BECHTEL BWXT IDAHO, LLC

WASTE AREA GROUP 5
REMEDIAL DESIGN/REMEDIAL ACTION
PHASE II
ARA-23 AREA EXCAVATION PLAN
(ARA I AND II FACILITIES)

| SIZE | CAGE CODE | INDEX CODE NUMBER | | | | DWG- | REV |
|---|---|---|---|---|---|---|---|
| | | AREA | TYPE | CL | ORIG | | |
| D | | 068 | 0100 | 02 | 090 | 516010 | 1 |

SCALE: 1"=80.0' SHEET C-5

File: 516010-1.dwg Path: G:\pad\fritz\berg\Rev-1 Date: 04/09/03 - 1:57 P.M. Layout Name: D Size ID: KJ1

| REVISIONS | | |
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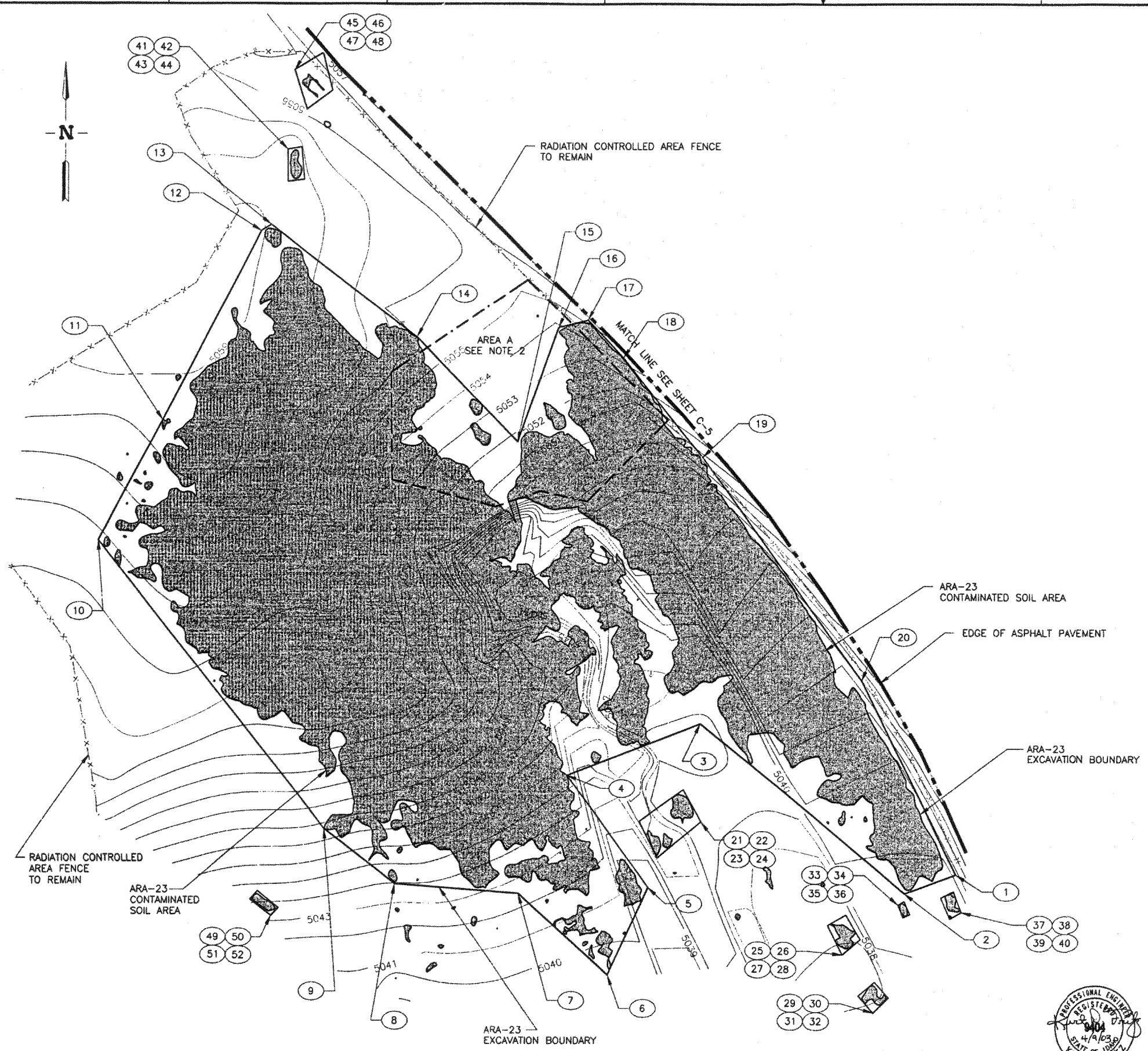
| REV | DESCRIPTION | EFFECTIVE DATE: |
| 1 | SEE DAR 96982 | 04/09/2003 |




## ARA-23 AREA EXCAVATION PLAN

SCALE: 1"=40.0'

| COORDINATE TABLE | | |
|---|---|---|
| DATUM: HORIZONTAL: NAD27 | | |
| NO. | NORTHING | EASTING |
| 1 | 674736.73 | 326066.42 |
| 2 | 674722.6 | 326026.37 |
| 3 | 674851.85 | 325867.89 |
| 4 | 674811.14 | 325764.17 |
| 5 | 674727.04 | 325826.98 |
| 6 | 674660.16 | 325795.62 |
| 7 | 674722.35 | 325726.06 |
| 8 | 674729.58 | 325629.17 |
| 9 | 674770.13 | 325574.4 |
| 10 | 674992.77 | 325398.49 |
| 11 | 675086.31 | 325449.36 |
| 12 | 675231.89 | 325526.03 |
| 13 | 675236.67 | 325533.83 |
| 14 | 675150.44 | 325647.67 |
| 15 | 675070.34 | 325726.5 |
| 16 | 675158.02 | 325758.35 |
| 17 | 675163.67 | 325781.17 |
| 18 | 675134.60 | 325809.00 |
| 19 | 675058.04 | 325870.43 |
| 20 | 674885.61 | 325993.39 |
| 21 | 674775.89 | 325868.56 |
| 22 | 674748.69 | 325834.27 |
| 23 | 674776.13 | 325820.61 |
| 24 | 674800.33 | 325854.93 |
| 25 | 674675.74 | 325978.44 |
| 26 | 674698.33 | 325966.91 |
| 27 | 674706.36 | 325981.17 |
| 28 | 674687.53 | 325992.24 |
| 29 | 674631.81 | 326002.44 |
| 30 | 674644.81 | 325990.93 |
| 31 | 674655.33 | 326003.5 |
| 32 | 674643.28 | 326014.54 |
| 33 | 674714.10 | 326021.55 |
| 34 | 674716.83 | 326026.36 |
| 35 | 674706.92 | 326030.82 |
| 36 | 674704.57 | 326025.37 |
| 37 | 674708.62 | 326070.76 |
| 38 | 674703.60 | 326061.91 |
| 39 | 674719.49 | 326054.78 |
| 40 | 674724.51 | 326064.73 |

CONTINUED UPPER RIGHT

CONTINUED LOWER LEFT

| | | |
|---|---|---|
| 41 | 675293.89 | 325546.10 |
| 42 | 675295.51 | 325557.19 |
| 43 | 675270.90 | 325559.35 |
| 44 | 675269.55 | 325546.37 |
| 45 | 675354.21 | 325551.51 |
| 46 | 675366.72 | 325573.74 |
| 47 | 675338.79 | 325580.99 |
| 48 | 675324.47 | 325561.29 |
| 49 | 674705.4 | 325532.68 |
| 50 | 674717.68 | 325516.48 |
| 51 | 674724.09 | 325522.18 |
| 52 | 674711.45 | 325538.37 |

## NOTES

1. SEE SHEET C-9 FOR IDENTIFICATION OF STRUCTURES AND INTERFERENCES.
2. REMOVE EXISTING SOIL STOCKPILES FROM AREA A.

PROFESSIONAL ENGINEER REGISTERED 9404 4/9/03 STATE OF IDAHO KURT D. FRITZ

| INDEX CODE NUMBER | | | | |
|---|---|---|---|---|
| AREA | TYPE | CL | ORIG | SERIAL |
| 070 | 0100 | 02 | 090 | |

| | |
|---|---|
| FOR DRAWING INDEX SEE DRAWING NO. 516004 | SUBCONTRACT NO. TBD |
| SCALE: 1" = 40.0' | REQUESTER: R. WELLS |
| | DESIGN: K. FRITZ |
| | DRAWN: B.SEARLE |
| | PROJECT NO. 020991 |
| | SPEC CODE |
| | FOR REVIEW/APPROVAL SIGNATURES SEE DAR NO. 71018 |
| DESIGN PHASE: AFC | EFFECTIVE DATE: 12-7-2000 |
| QUALITY LEVEL: CG | |

INEEL Idaho National Engineering & Environmental Laboratory BECHTEL BWXT IDAHO, LLC

WASTE AREA GROUP 5
REMEDIAL DESIGN/REMEDIAL ACTION
PHASE II

ARA-23 AREA EXCAVATION PLAN

| SIZE | CAGE CODE | INDEX CODE NUMBER | | | | DWG- | REV |
|---|---|---|---|---|---|---|---|
| | | AREA | TYPE | CL | ORIG | | |
| D | | 068 | 0100 | 02 | 090 | 516011 | 1 |

SCALE: 1"=40.0' SHEET C-6

File: 516011-1.dwg Path: G:\eea\fritz\herg\Rev-1 Date: 04/09/03 - 1:55 P.M. Layout Name: Layout1 ID: KJ1

| REVISIONS | | |
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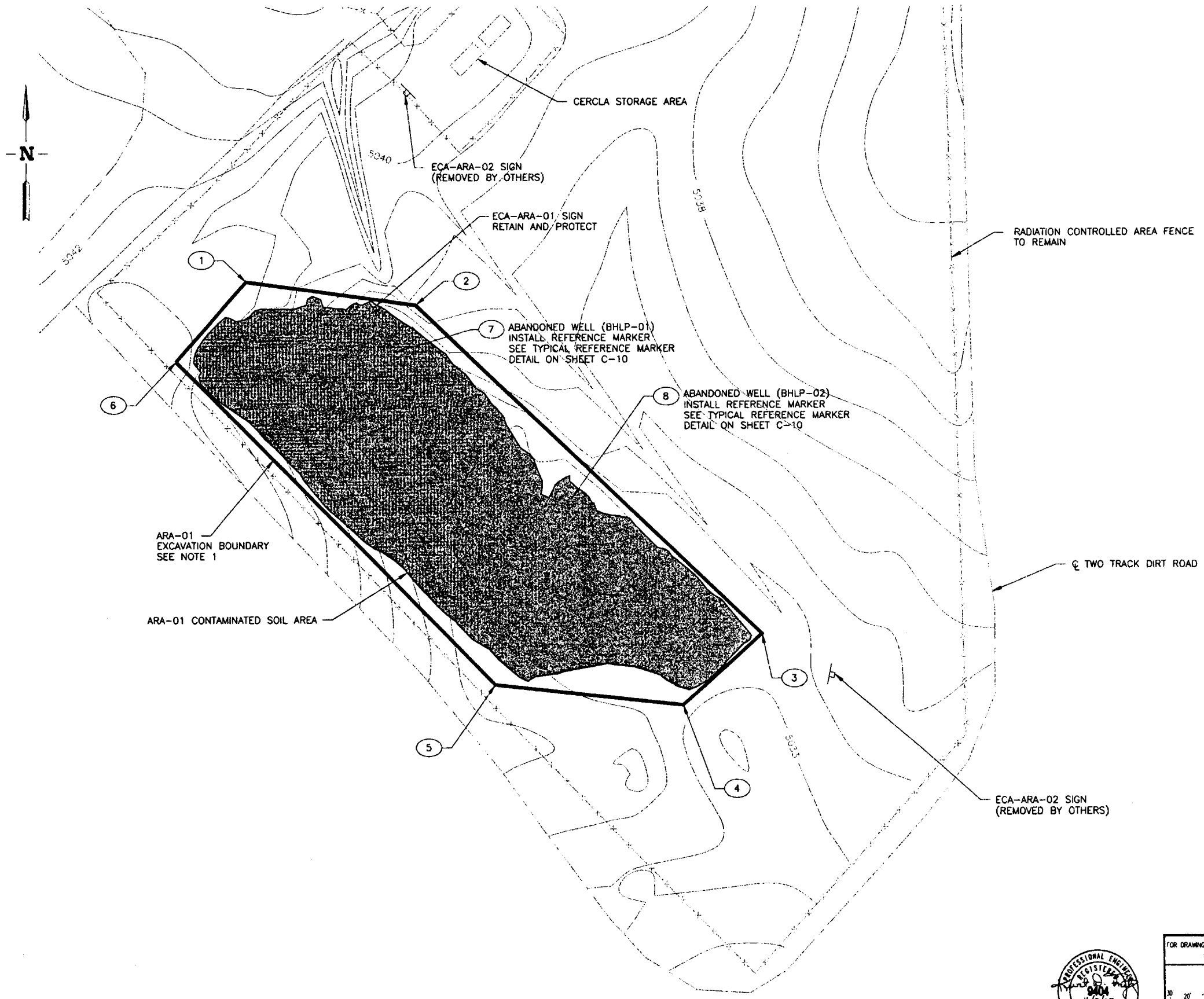
| REV | DESCRIPTION | EFFECTIVE DATE |
| 1 | SEE DAR 96982 | 04/09/2003 |




## ARA-01 AREA EXCAVATION PLAN

SCALE: 1"=30.0'

| COORDINATE TABLE | | |
|---|---|---|
| DATUM: HORIZONTAL: NAD27 | | |
| NO. | NORTHING | EASTING |
| 1 | 674731.80 | 326455.60 |
| 2 | 674718.06 | 326555.07 |
| 3 | 674527.30 | 326757.27 |
| 4 | 674486.08 | 326711.17 |
| 5 | 674498.20 | 326601.18 |
| 6 | 674685.73 | 326414.35 |
| 7 | 674690.97 | 326542.33 |
| 8 | 674606.88 | 326646.95 |

## NOTES

1. THIS SITE CONTAINS SEVERAL BASALT OUTCROPPINGS.

PROFESSIONAL ENGINEER REGISTERED 9404 4/9/03 STATE OF IDAHO KURT D. FRITZ

| | | |
|---|---|---|
| FOR DRAWING INDEX SEE DRAWING NO. 516004 | SUBCONTRACT NO. TBD | INEEL |
| SCALE: 1" = 30.0' | REQUESTER: R. WELLS | WASTE AREA GROUP 5 REMEDIAL DESIGN/REMEDIAL ACTION PHASE II |
| | DESIGN: K. FRITZ | |
| | DRAWN: ROB HERGESHEIMER | ARA-01 AREA EXCAVATION PLAN |
| | PROJECT NO. 020991 | |
| | SPEC CODE | |
| DESIGN PHASE: AFC | FOR REVIEW/APPROVAL SIGNATURES SEE DAR NO. 71018 | SIZE D; CAGE CODE; INDEX CODE NUMBER: AREA 068, TYPE 0100, C. 02, ORIG 090; DWG-516012; REV 1 |
| QUALITY LEVEL: CG | EFFECTIVE DATE: 12-7-2000 | SCALE: 1"=30.0'; SHEET C-7 |

File: 516012-1.dwg Path: C:\sea\fritz\herg\Rev-1 Layout Name: D Size Date: 12/12/02 - 11:47 A.M. ID: KJ1

| REVISIONS | | |
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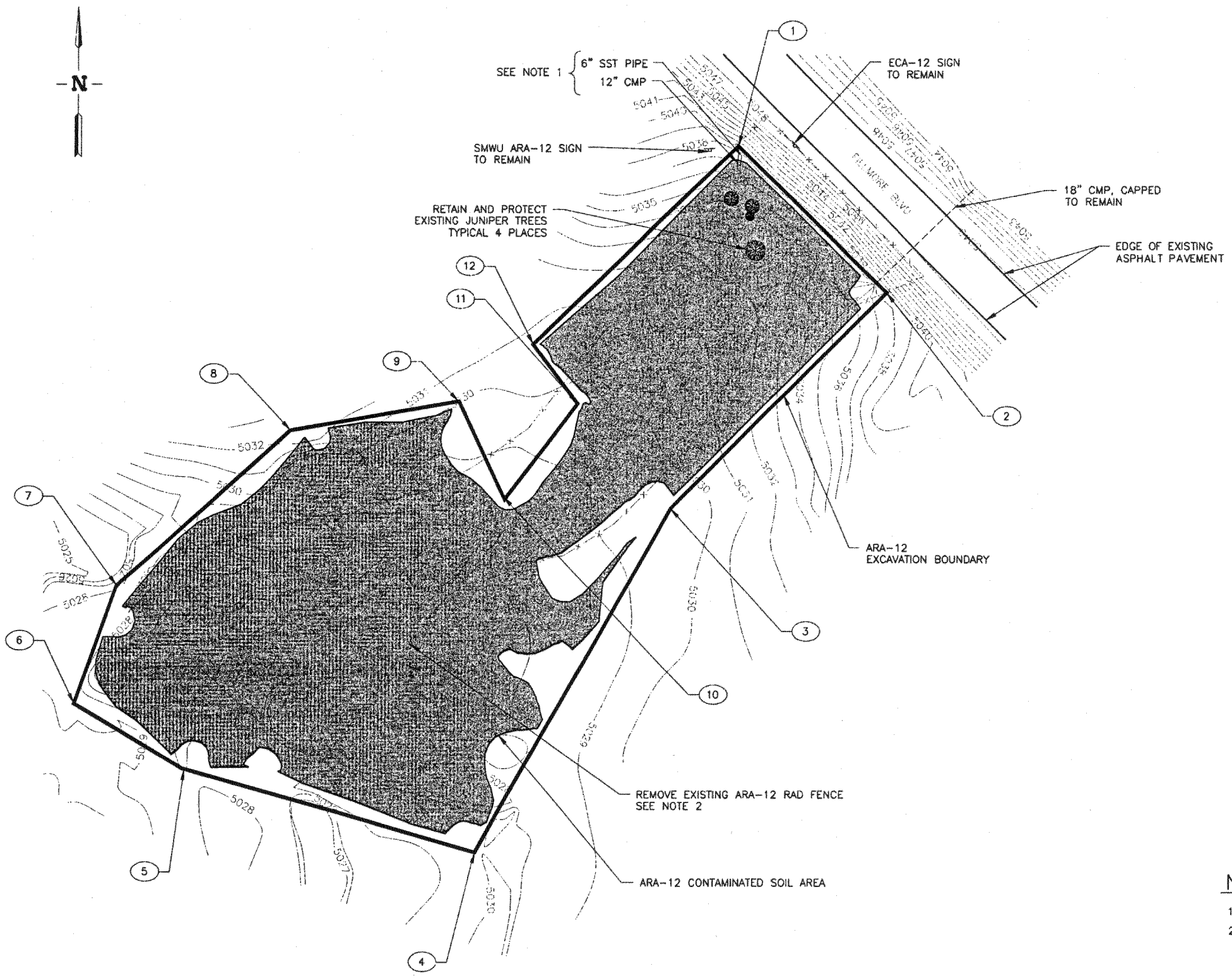
| 1 | SEE DAR 96982 | 04/09/2003 |




| COORDINATE TABLE | | |
|---|---|---|
| DATUM: HORIZONTAL: NAD27 | | |
| NO. | NORTHING | EASTING |
| 1 | 680294.86 | 323982.17 |
| 2 | 680216.88 | 324061.52 |
| 3 | 680102.86 | 323945.50 |
| 4 | 679919.16 | 323841.00 |
| 5 | 679963.61 | 323683.08 |
| 6 | 679998.40 | 323625.07 |
| 7 | 680061.63 | 323647.71 |
| 8 | 680143.47 | 323741.10 |
| 9 | 680158.93 | 323831.99 |
| 10 | 680107.40 | 323856.48 |
| 11 | 680157.65 | 323895.80 |
| 12 | 680189.21 | 323871.95 |

## ARA-12 AREA EXCAVATION PLAN

SCALE: 1"=30.0'

## NOTES

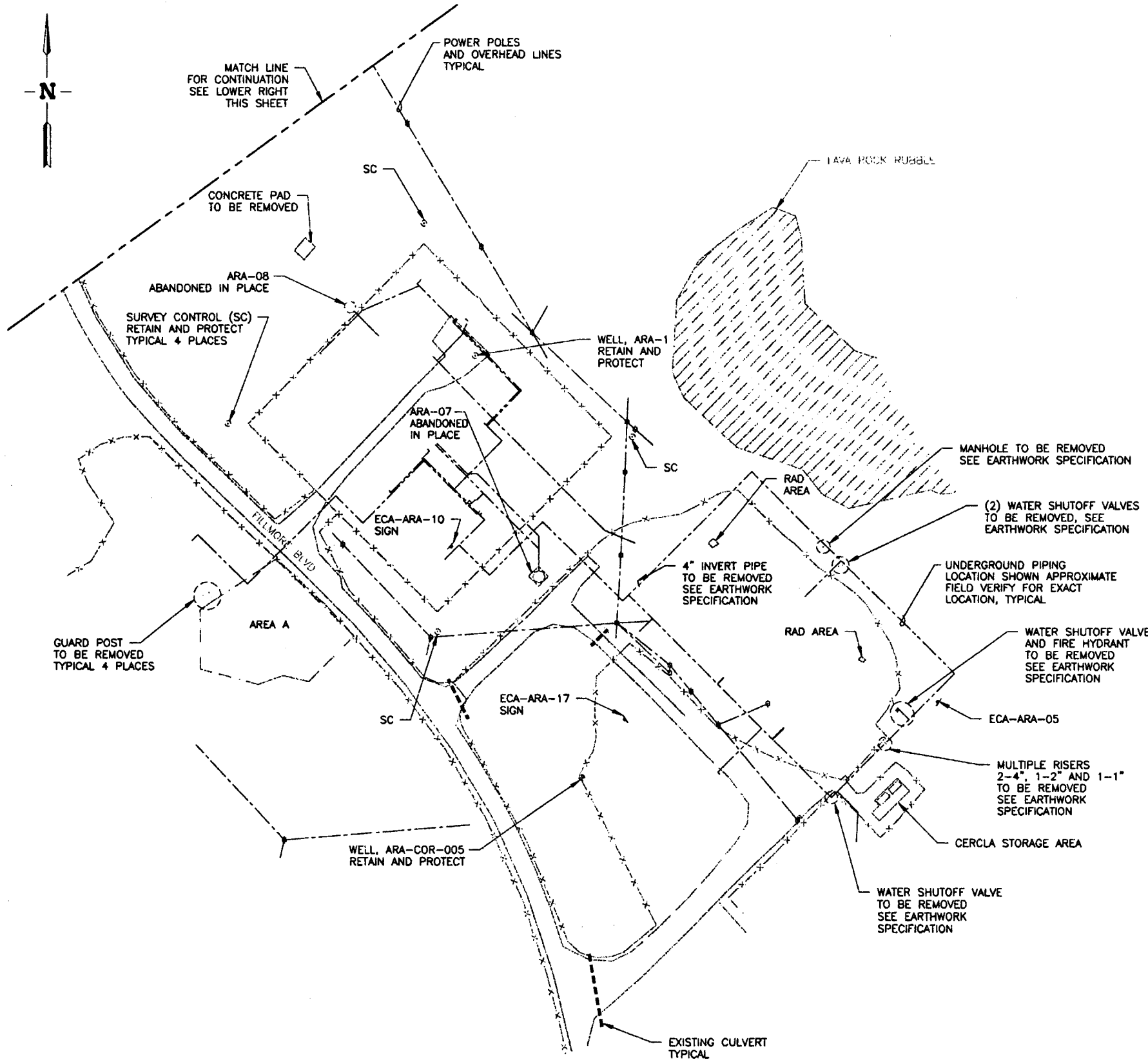
1. SAW CUT AND REMOVE EXISTING PIPES 3 FEET BEYOND GROUND SURFACE.
2. FENCE CONSTRUCTED OF T-BAR POSTS AND 2 WIRE STANDS.

PROFESSIONAL ENGINEER REGISTERED 9404 4/9/03 STATE OF IDAHO KURT D. FRITZ

| | | |
|---|---|---|
| FOR DRAWING INDEX SEE DRAWING NO. 516004 | SUBCONTRACT NO. TBD | INEEL (Idaho National Engineering & Environmental Laboratory) BECHTEL BWXT IDAHO, LLC |
| 30' 20' 10' 0 30' SCALE: 1" = 30.0' | REQUESTER: R. WELLS<br>DESIGN: K. FRITZ<br>DRAWN: ROB HERGESHEIMER | WASTE AREA GROUP 5<br>REMEDIAL DESIGN/REMEDIAL ACTION<br>PHASE II |
| | PROJECT NO. 020991<br>SPEC CODE | ARA-12 AREA EXCAVATION PLAN |
| DESIGN PHASE: AFC | FOR REVIEW/APPROVAL SIGNATURES SEE DAR NO. 71018 | SIZE: D; CAGE CODE; INDEX CODE NUMBER: AREA 063, TYPE 0100, QL 02, ORIG 090; DWG-516013; REV 1 |
| QUALITY LEVEL: CG | EFFECTIVE DATE: 12-7-2000 | SCALE: 1"=30.0'; SHEET C-8 |

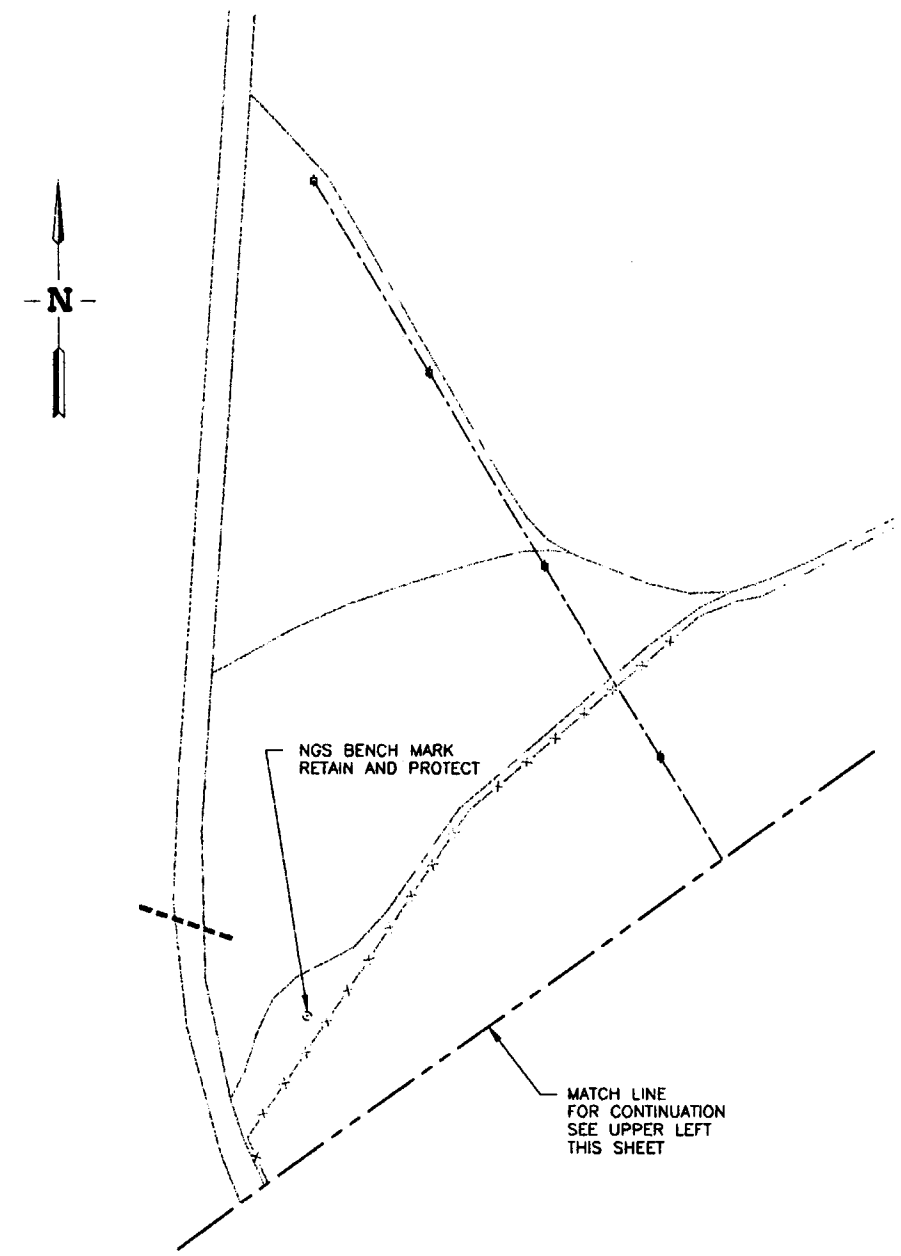
File: 516013-1.dwg
Path: G:\aea\fritz\herg\Rev-1
Date: 04/09/03 - 1:51 P.M. Layout Name: D Size
ID: KJ1

| REVISIONS | | |
|---|---|---|
| REV | DESCRIPTION | EFFECTIVE DATE: |
| 1 | SEE DAR 96982 | 04/09/2003 |




## ARA-23 ABOVE/BELOW GRADE LOCATION PLAN

SCALE: 1"=80.0'




## NOTES

1. RETAIN AND PROTECT ALL EXISTING FACILITIES UNLESS OTHERWISE SPECIFIED.

| INDEX CODE NUMBER | | | | |
|---|---|---|---|---|
| AREA | TYPE | Q | ORIG | SERIAL |
| 070 | D400 | 65 | 090 | |

| INDEX CODE NUMBER | | | | |
|---|---|---|---|---|
| AREA | TYPE | Q | ORIG | SERIAL |
| 070 | D300 | 65 | 090 | |

PROFESSIONAL ENGINEER REGISTERED 9404 STATE OF IDAHO KURT D. FRITZ 4/4/03

| INDEX CODE NUMBER | | | | |
|---|---|---|---|---|
| AREA | TYPE | Q | ORIG | SERIAL |
| 068 | D400 | 65 | 090 | |

| | |
|---|---|
| DESIGN PHASE: | AFC |
| QUALITY LEVEL: | CG |

FOR DRAWING INDEX SEE DRAWING NO. 516004

80' 40' 0 40' 80'
SCALE: 1" = 80.0'

| | |
|---|---|
| SUBCONTRACT NO | TBD |
| REQUESTER: R. WELLS | |
| DESIGN: K. FRITZ | |
| DRAWN: ROB HERGESHEIMER | |
| PROJECT NO. | 020991 |
| SPEC CODE | |
| FOR REVIEW/APPROVAL SIGNATURES SEE DAR NO. 71018 | |
| EFFECTIVE DATE: | 12-7-2000 |

INEEL BECHTEL BWXT IDAHO, LLC

WASTE AREA GROUP 5
REMEDIAL DESIGN/REMEDIAL ACTION
PHASE II

ARA-23 ABOVE/BELOW GRADE LOCATION PLAN

| SIZE | CAGE CODE | INDEX CODE NUMBER | | | | DWG- | REV |
|---|---|---|---|---|---|---|---|
| | | AREA | TYPE | Q | ORIG | | |
| D | | 068 | D300 | 065 | 090 | 516014 | 1 |

SCALE: 1"=80.0' SHEET C-9

File: 516014-1.dwg Path: G:\ses\fritz\herg\Rev-1 Date: 04/09/03 - 1:42 P.M. Layout Name: D Size ID: KJ1

| REVISIONS | | |
|---|---|---|
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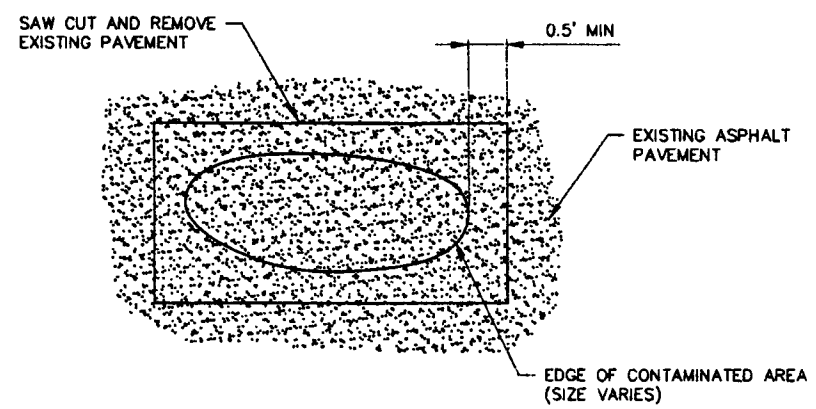
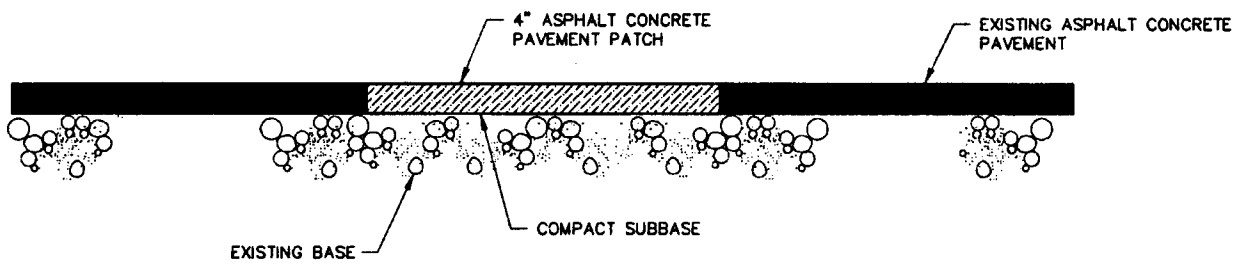
| 1 | SEE DAR 96982 | 04/09/2003 |

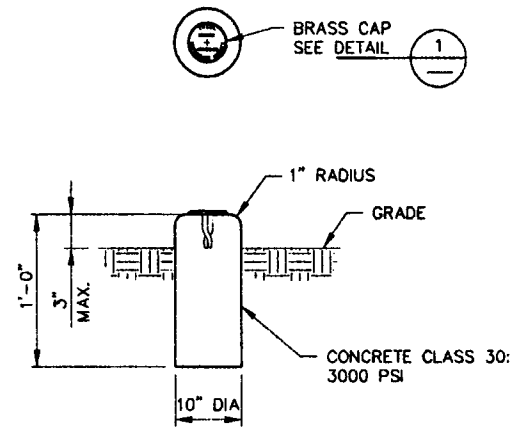



PLAN



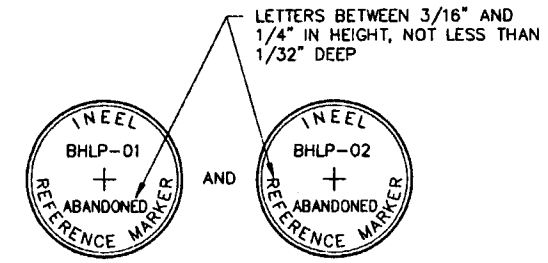

TYPICAL ASPHALT PAVEMENT REPAIR DETAIL

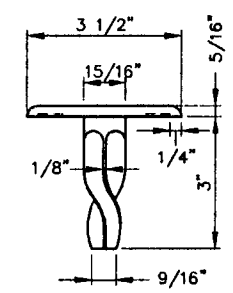
SEE NOTES 1 AND 2
NTS




TYPICAL REFERENCE MARKER DETAIL

SEE NOTE 3
NTS




DETAIL 1
NTS

## NOTES

1. ALL AREAS TO BE PATCHED SHALL HAVE THE EXISTING PAVEMENT SAW CUT TO CLEAN STRAIGHT LINES.
2. EDGES OF EXISTING PAVEMENT SHALL HAVE A TACK COAT APPLIED PRIOR TO THE PLACEMENT OF NEW ASPHALT CONCRETE.
3. MARKER SHALL BE CAST IN ONE PIECE WITH BRASS CAP IN PLACE. MARKER SHALL BE INSTALLED SO THAT THE CENTER OF THE CAP IS NO MORE THAN 1 INCH FROM THE POINT ESTABLISHED ON SHEET C-7.

PROFESSIONAL ENGINEER REGISTERED 9404 4/9/03 STATE OF IDAHO KURT D. FRITZ

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|---|---|---|
| FOR DRAWING INDEX SEE DRAWING NO. 516004 | SUBCONTRACT NO. TBD | INEEL BECHTEL BWXT IDAHO, LLC |
| NO SCALE | REQUESTER: R. WELLS<br>DESIGN: K. FRITZ<br>DRAWN: ROB HERGESHOMER<br>PROJECT NO. 020991<br>SPEC CODE | WASTE AREA GROUP 5<br>REMEDIAL DESIGN/REMEDIAL ACTION<br>PHASE II<br>MISCELLANEOUS DETAILS |
| DESIGN PHASE: AFC<br>QUALITY LEVEL: CG | FOR REVIEW/APPROVAL SIGNATURES SEE DAR NO. 71018<br>EFFECTIVE DATE: 12-7-2000 | SIZE D; CAGE CODE; INDEX CODE NUMBER AREA 068 TYPE 0100 CL 02 ORG 090; DWG- 516015; REV 1<br>SCALE: NONE; SHEET C-10 |

File: 516015-1.dwg
Path: G:\aea\fritz\herg\Rev-1
Date: 04/09/03 - 1:39 P.M. | Layout Name: Layout1
ID: KJ1