

**PAGE NUMBERING SEQUENCE IN THIS SECTION IS
INCONSISTENT**

INITIALS KH

DATE 7-26-04

Appendix C

As-Built Drawings and Final Grade Drawings

TRA OU 2-19 WAG 2
WARM WASTE PONDS
1967 CELL
 FINAL ROUGH GRADE

Scale: 1" = 50'
 Drawn By: F.W.
 Date: JUNE 18, 1999
 Cadfile: 522OC57
 Job No. 5220
 1020 Lincoln Road
 Idaho Falls, Idaho 83401 (208) 524-6175
 Sht. 1 of 1
 DATE SURVEYED: 6-16-99

Mountain River
 Engineering

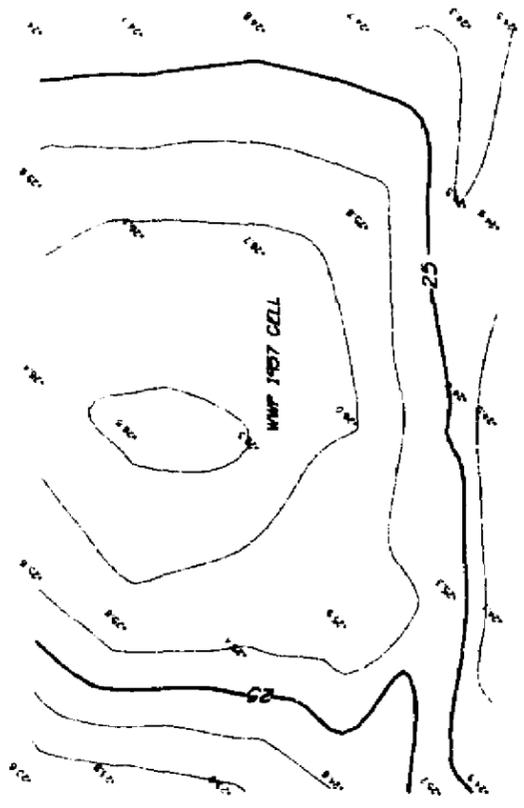


NOTES:
 * EXISTING ELEVATION
 (ADD 4900' FOR SEA LEVEL DATUM)

X 2/10
 * WORK HAS PROCEEDED SUBJECT TO
 APPROVAL BY THE ENGINEER
 * ALL WORK SHALL BE DONE IN
 ACCORDANCE WITH THE
 SPECIFICATIONS OF THE
 CONTRACT
 * THE CONTRACTOR SHALL BE
 RESPONSIBLE FOR OBTAINING
 ALL NECESSARY PERMITS
 * THE CONTRACTOR SHALL BE
 RESPONSIBLE FOR OBTAINING
 ALL NECESSARY PERMITS
 * THE CONTRACTOR SHALL BE
 RESPONSIBLE FOR OBTAINING
 ALL NECESSARY PERMITS
 5-230-HA-901-113
 R.O.

SCALE 1" = 50'

CONTROL POINT
 USGS-55



CONTROL POINT
 USGS-53

**TRA OU 2-13 WAG 2
WARM WASTE PONDS
1952 & 1967 CELLS**

FINAL GRADE

Scale: 1" = 50'
 Drawn By: F.W.
 Date: SEPT. 24, 99
 Cadfile: 522003257
 Job No. 5220
 1020 Lincoln Road
 Idaho Falls, Idaho 83401 (208) 524-6175
 SHEET 1 OF 1

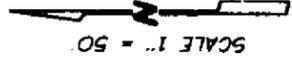
**Mountain River
Engineering**



NOTES

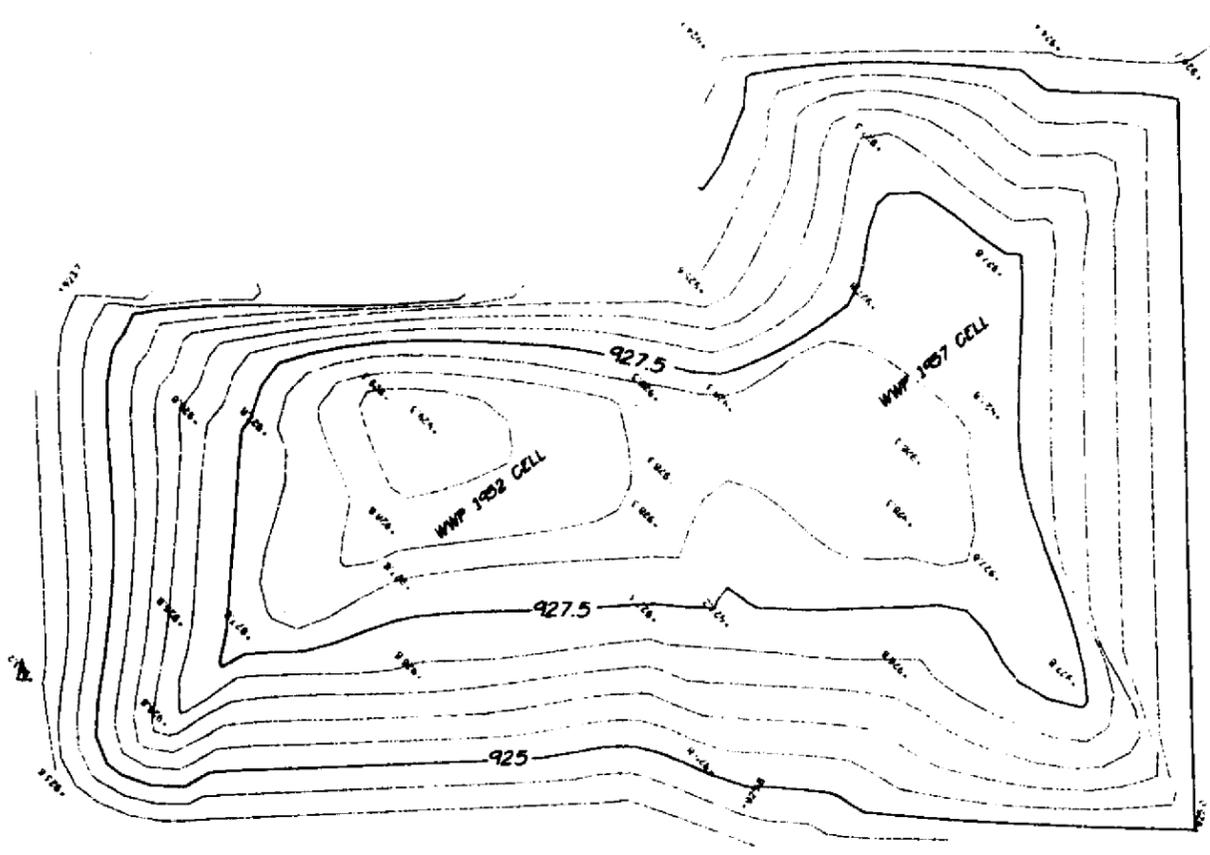
EXISTING ELEVATION
 CADD 4000' FOR SEA LEVEL DATUM

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS OF THE CONTRACT DOCUMENTS.
 - ALL MATERIALS AND METHODS SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE ENGINEER.
 - ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS OF THE CONTRACT DOCUMENTS.
 - ALL MATERIALS AND METHODS SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE ENGINEER.
 - ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS OF THE CONTRACT DOCUMENTS.
 - ALL MATERIALS AND METHODS SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE ENGINEER.
- CONTRACT NO. 5-2304499.01-1
 BY: *Charles R. Poff*
 DATE: 9-20-99

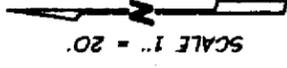
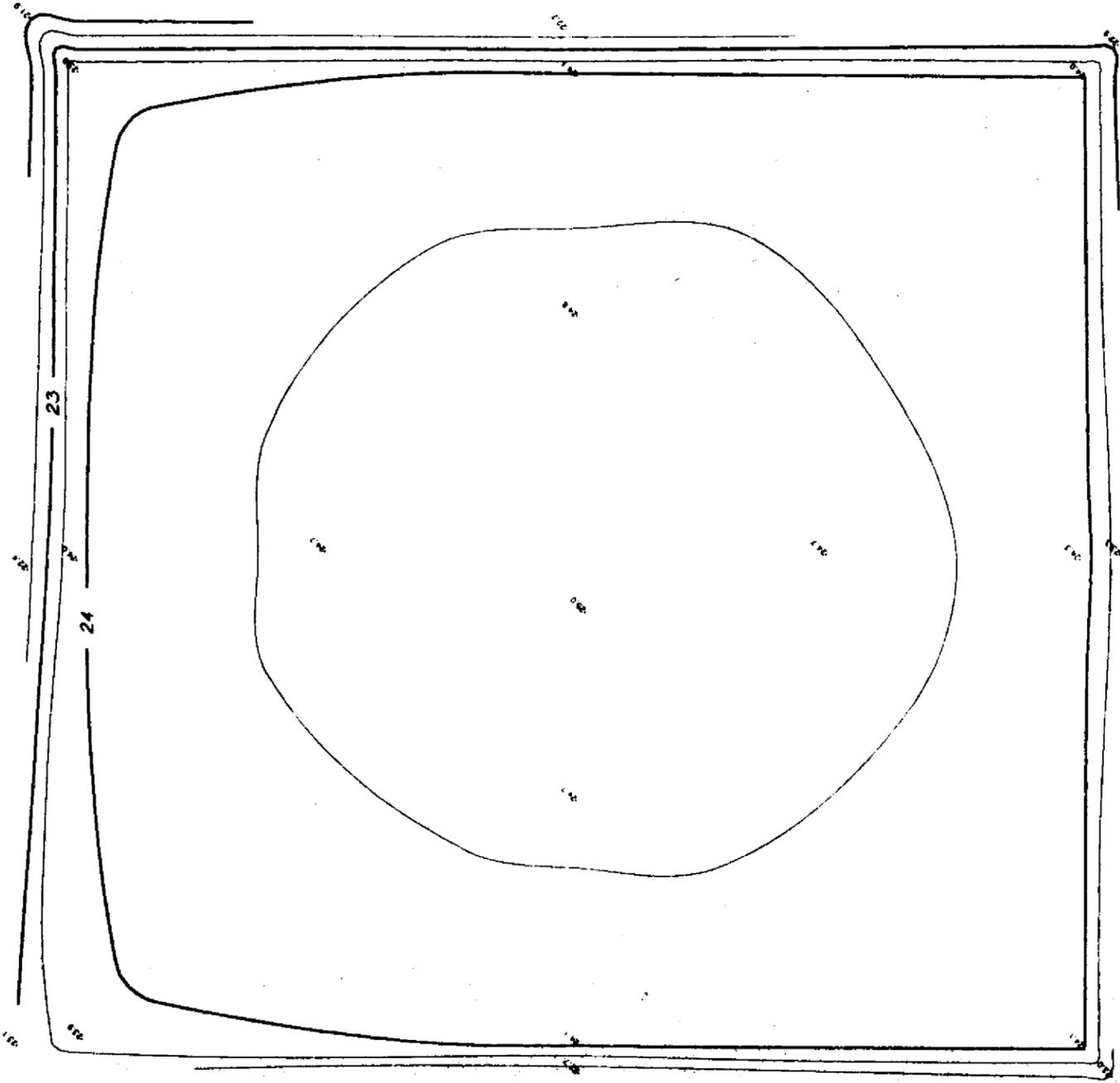


SCALE 1" = 50'

CONTROL POINT
 USGS-35



CONTROL POINT
 USGS-33



SCALE 1" = 20'

NOTES

EXISTING ELEVATION
GADD 4900 FOR SEA LEVEL DATUM

DATE SURVEYED: 6-9-99

- 1. WORK NOT PROCEEDED SUBJECT TO RECEIPT OF COMMENTS
- 2. REVISIONS AND REVISIONS
- 3. WORK NOT PROCEEDED SUBJECT TO RECEIPT OF COMMENTS
- 4. REVISIONS AND REVISIONS
- 5. WORK NOT PROCEEDED
- 6. WORK NOT PROCEEDED
- 7. WORK NOT PROCEEDED

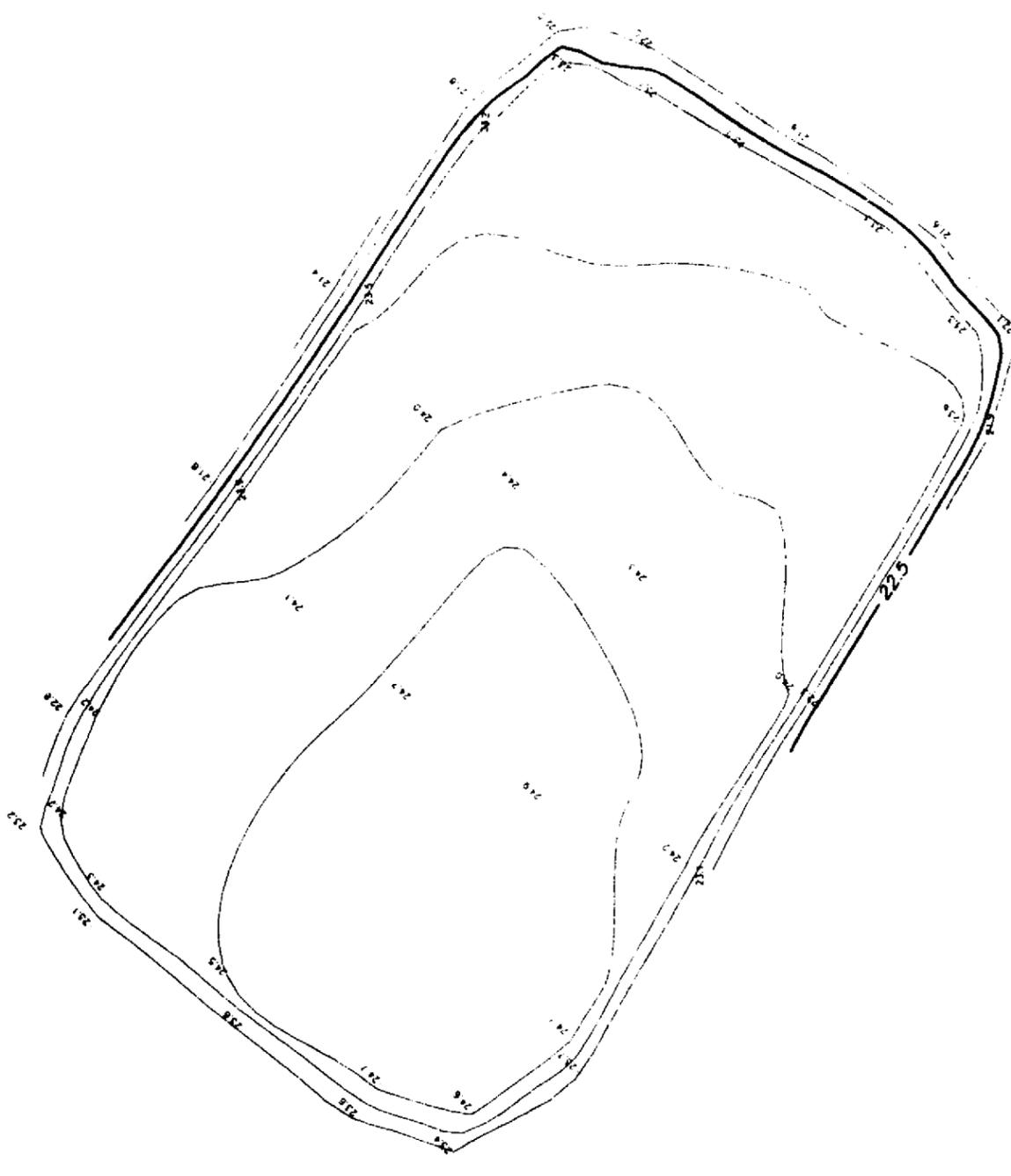
CONTRACT NO. S-730444-01-101
 R.O.
 7-1-99



Mountain River
Engineering

TRA OU 2-13 WAG 2
CHEMICAL WASTE POND
 FINAL GRADE

Scale: 1" = 20' Date: JUNE 30 1999 Job No. 5220
 Drawn By: JH Cadfile: 5220CW11
 1020 Lincoln Road
 Idaho Falls Idaho 83401 (208) 524-6175 Sht. 1 of 1



SCALE 1" = 30'

CONTROL POINT
WP-1

- 1. THESE MAP PROCEEDS SUBJECT TO ACCEPTANCE BY THE BOARD OF HEALTH
 - 2. THESE MAP PROCEEDS SUBJECT TO ACCEPTANCE BY THE BOARD OF HEALTH
 - 3. THESE MAP PROCEEDS SUBJECT TO ACCEPTANCE BY THE BOARD OF HEALTH
 - 4. THESE MAP PROCEEDS SUBJECT TO ACCEPTANCE BY THE BOARD OF HEALTH
 - 5. THESE MAP PROCEEDS SUBJECT TO ACCEPTANCE BY THE BOARD OF HEALTH
 - 6. THESE MAP PROCEEDS SUBJECT TO ACCEPTANCE BY THE BOARD OF HEALTH
 - 7. THESE MAP PROCEEDS SUBJECT TO ACCEPTANCE BY THE BOARD OF HEALTH
 - 8. THESE MAP PROCEEDS SUBJECT TO ACCEPTANCE BY THE BOARD OF HEALTH
- DATE: 5-25-99
 DRAWN BY: *Chad H. [Signature]*
 R.O.

NOTES

FINAL GRADE ELEVATION
 CADD 4'00" FOR SEA LEVEL DATUM

DATE SURVEYED: APR. 26, 1999

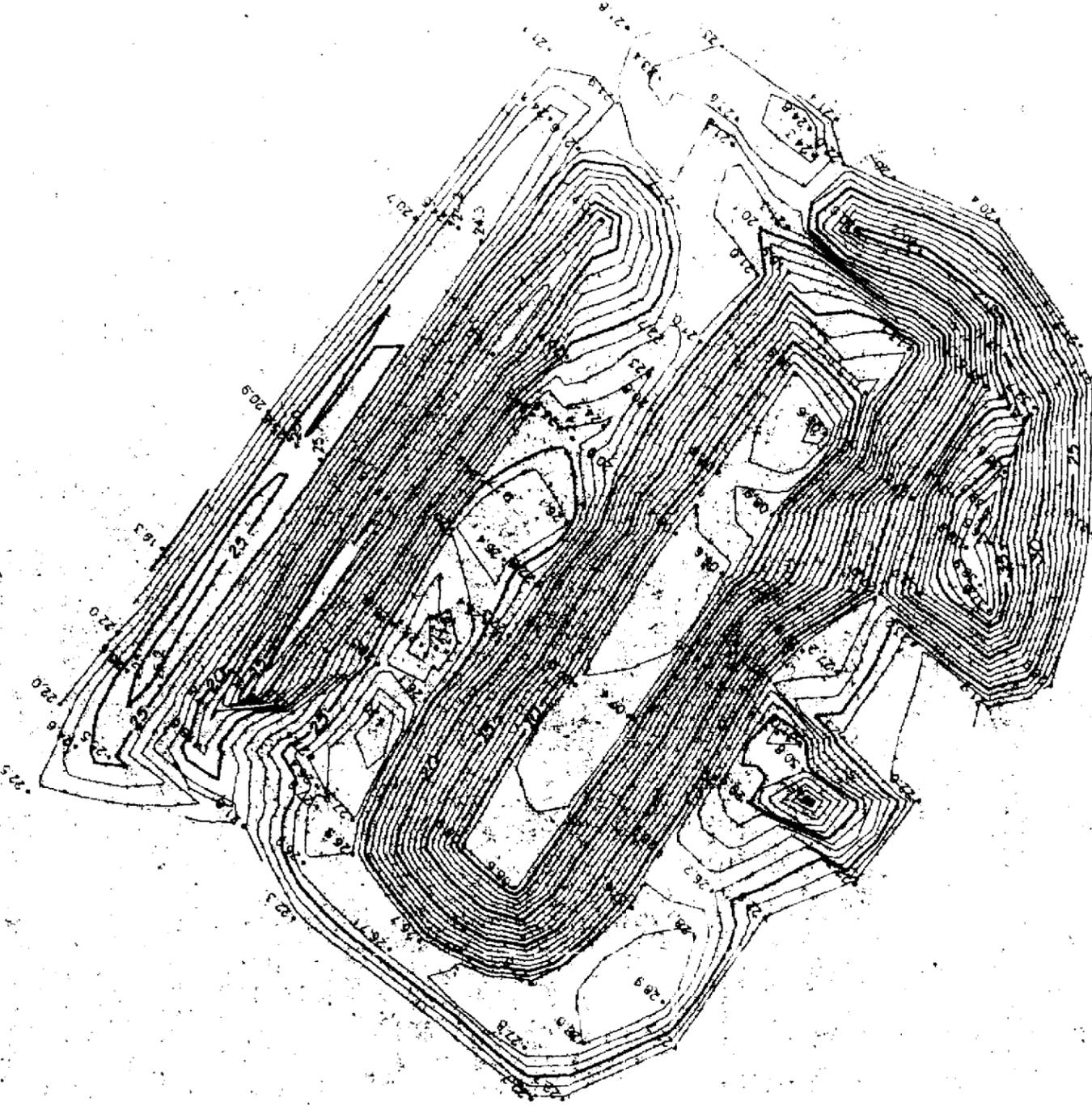
TRA OU 2-13 WAG 2
SEWAGE LEACH POND
 FINAL GRADE



Mountain River
 Engineering

Scale: 1" = 30'	Date: APR. 30, 1999	Job No. 5220
Drawn By: F.W.	Cadfile: 5220ISLP	
1020 Lincoln Road Idaho Falls, Idaho 83401 (208) 524-6175		Sheet 1 of 1

#65



- WORK NOT PROCESSED SUBJECT TO RECONSTRUCTION OF EXISTING
 - WORKING AND PROPOSED
 - WORK NOT PROCESSED SUBJECT TO RECONSTRUCTION OF EXISTING
 - WORKING AND PROPOSED
 - WORK NOT PROCESSED
 - WORKING AND PROPOSED
 - WORK NOT PROCESSED
 - WORKING AND PROPOSED
 - WORK NOT PROCESSED
 - WORKING AND PROPOSED
 - WORK NOT PROCESSED
- CONTRACT NO. S-7304449.01-046
 P. [Signature]
 DATE 4-7-99

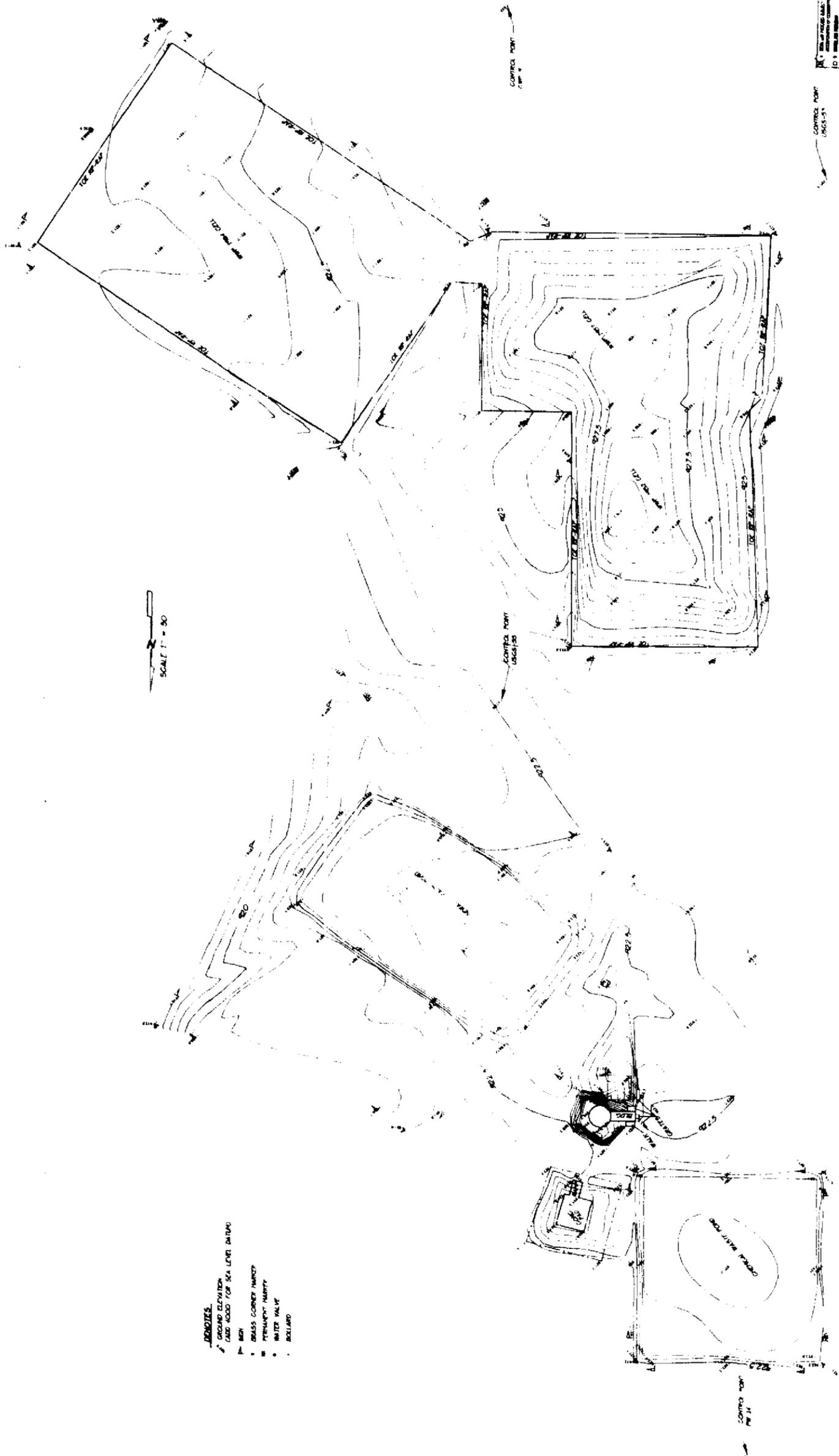
REMARKS
 EXISTING ELEVATION
 CADD 4900' FOR SEA LEVEL DATUM

TRA OU 2-19 WAG 2
SEWAGE LEACH POND
 EXISTING TOPOGRAPHY

Scale: 1" = 30'	Date: MARCH 1999	Job No. 5220
Drawn by: F.W.	cadfile: 5220CON1	
1020 Lincoln Road Idaho Falls, Idaho 83401 (208) 524-6175		
		Sheet 1 of 1



Mountain River
 Engineering



- LEGEND**
- ▲ GROUND ELEVATION
 - GRID GRID FOR SEA LEVEL DATUM
 - BENCH MARK
 - BRASS CORNER MARK
 - PERMANENT MARK
 - WHITE PLY
 - BOLLARD

SCALE 1" = 50'

NOTE :
ELEVATIONS AND CONTOURS SHOWN ARE FINAL
GRADE BEFORE PLACEMENT OF IMPACT

DATE	10/15/04
BY	J. S. [Signature]
CHECKED BY	[Signature]
DATE	10/15/04
BY	J. S. [Signature]
CHECKED BY	[Signature]

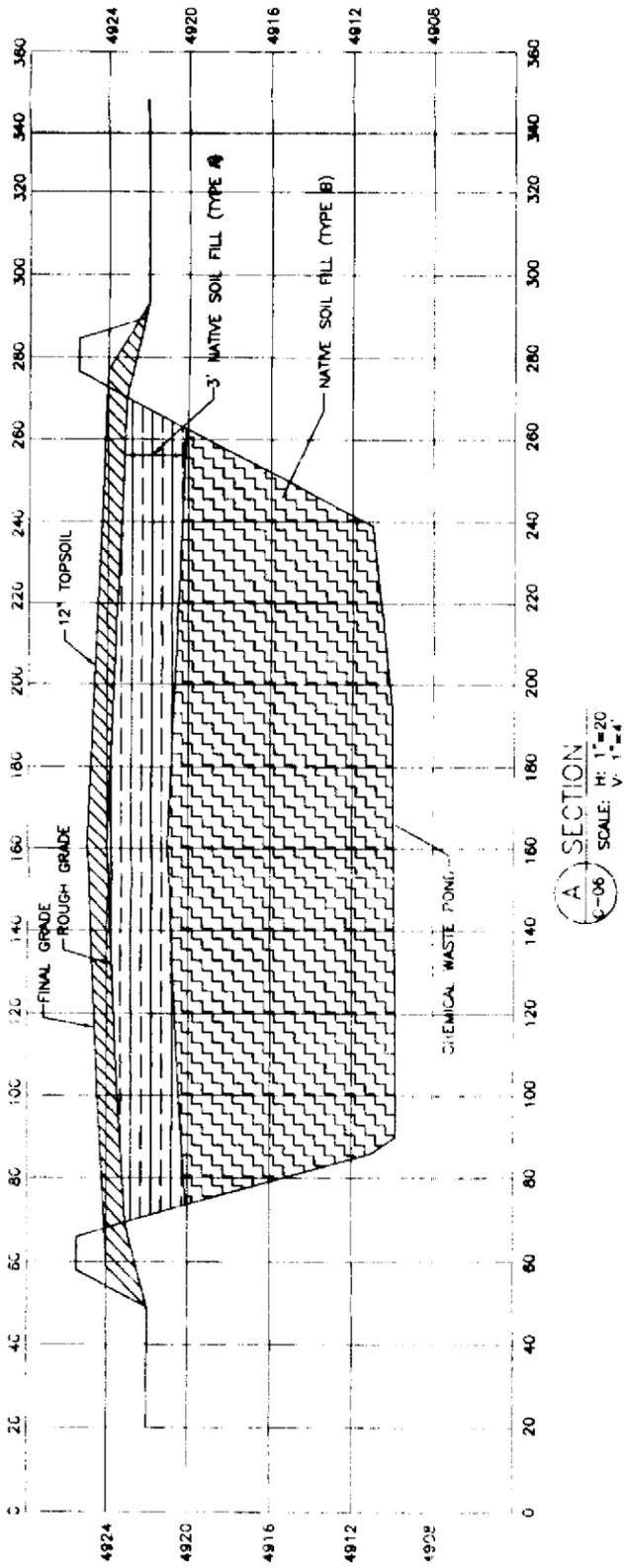
DATE SUBMITTED: SEPT. 14, 2004

**TRA OU 2-18 WAG 2
TRA REMEDIAL DESIGN
FINAL TOPOGRAPHY**

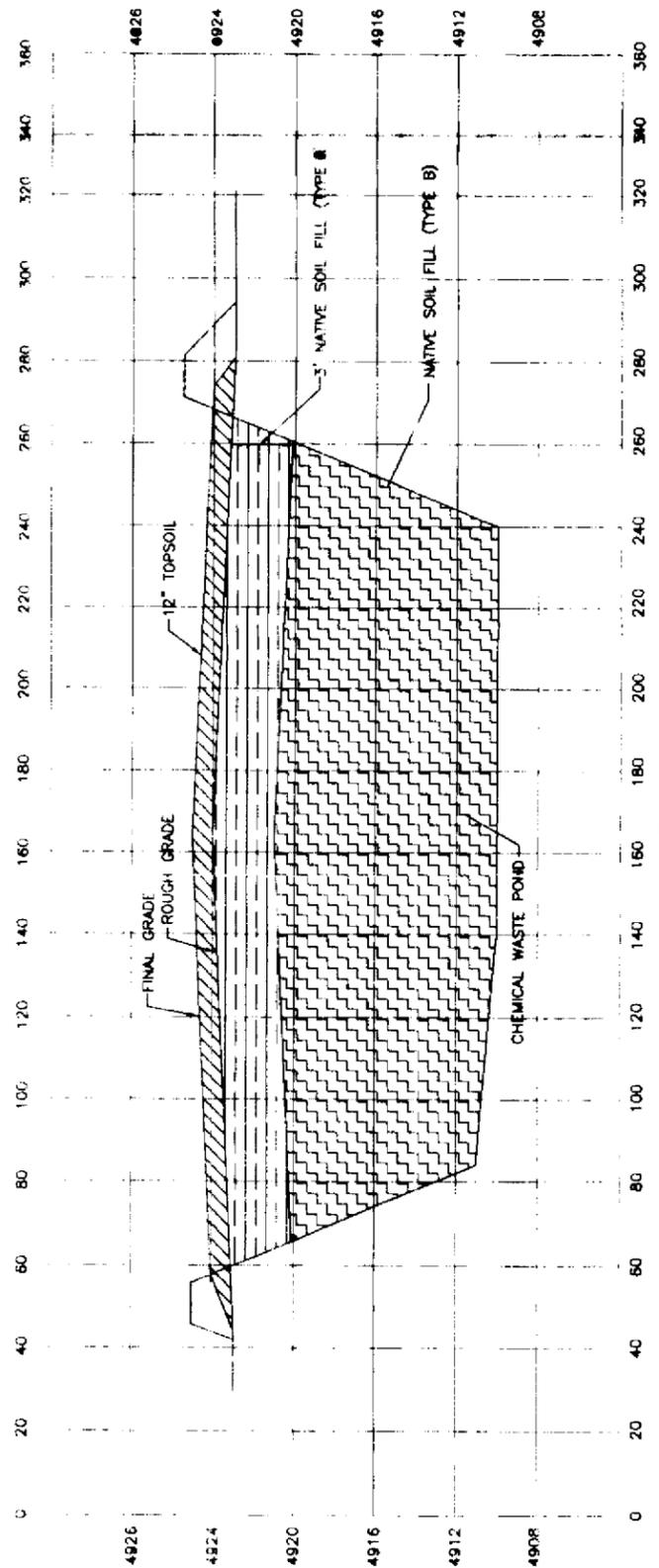
Scale	1" = 50'	Job No.	252C
Drawn By	J. S. [Signature]	Client	USDO
1820 Lincoln Road			
Idaho Falls, Idaho 83401			
(208) 834-6176			



Mountain River
Engineering



A SECTION
 SCALE: H: 1"=20'
 V: 1"=4'



B SECTION
 SCALE: H: 1"=20'
 V: 1"=4'

NOTE:
 SECTIONS ARE FROM PARSONS PLANS
 FOR U.S. D.O.E. SHEET C-06.

TRA OU 2-19 WAG 2
TRA REMEDIAL DESIGN
CHEMICAL WASTE POND SECTIONS



DATE: JULY 2000	BY: [Signature]	CHECKED: [Signature]	DATE: JULY 2000
PROJECT: TRA REMEDIAL DESIGN	SCALE: AS SHOWN	PROJECT NO: 004-107	SHEET NO: 3/20
MOUNTAIN RIVER ENGINEERING		P.O. BOX 1000	
1000 LAMAR BLVD		MADISON, TN 37102	
TEL: (615) 261-1100		F: (615) 261-1101	
WWW.MRENG.COM		E: INFO@MRENG.COM	

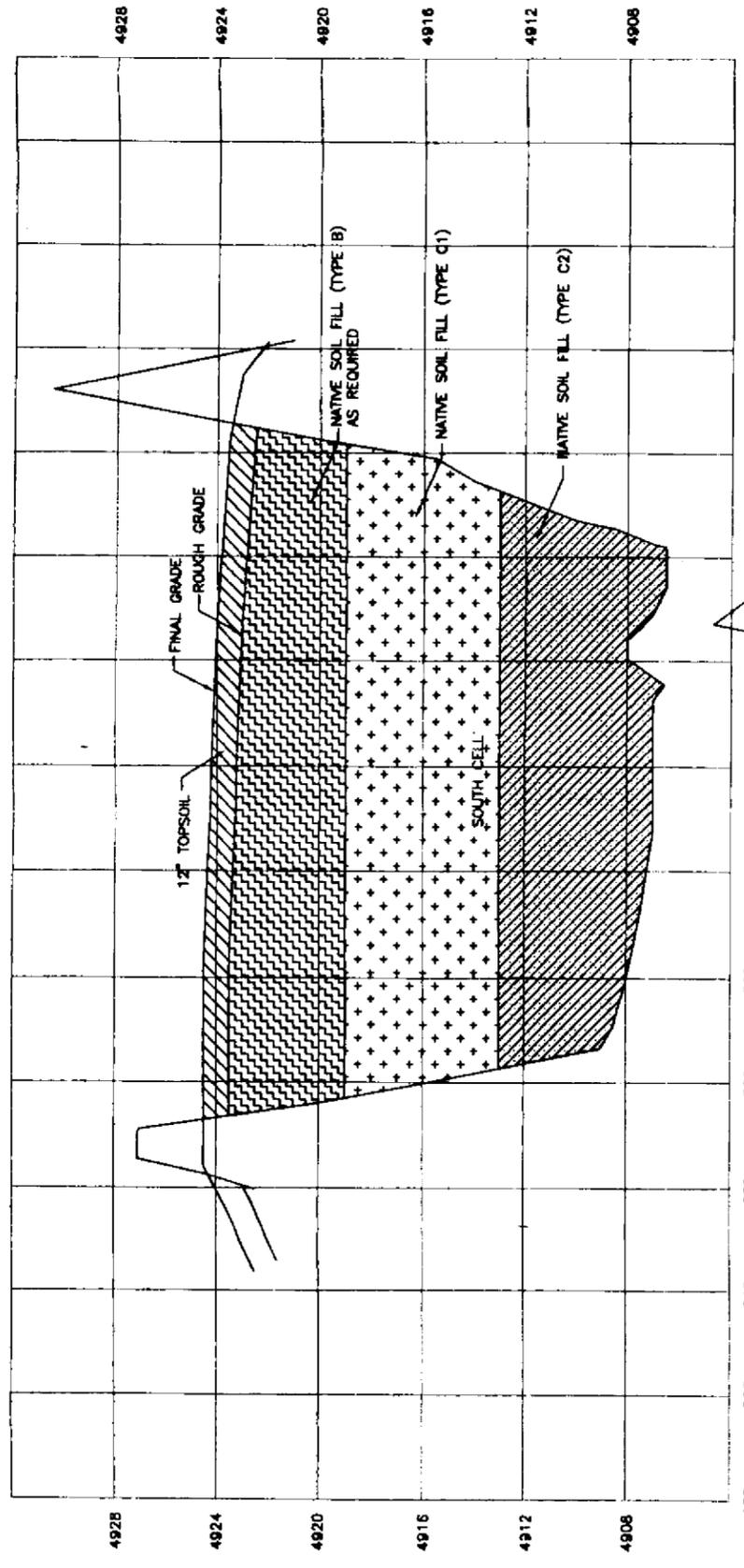


Mountain River
Engineering

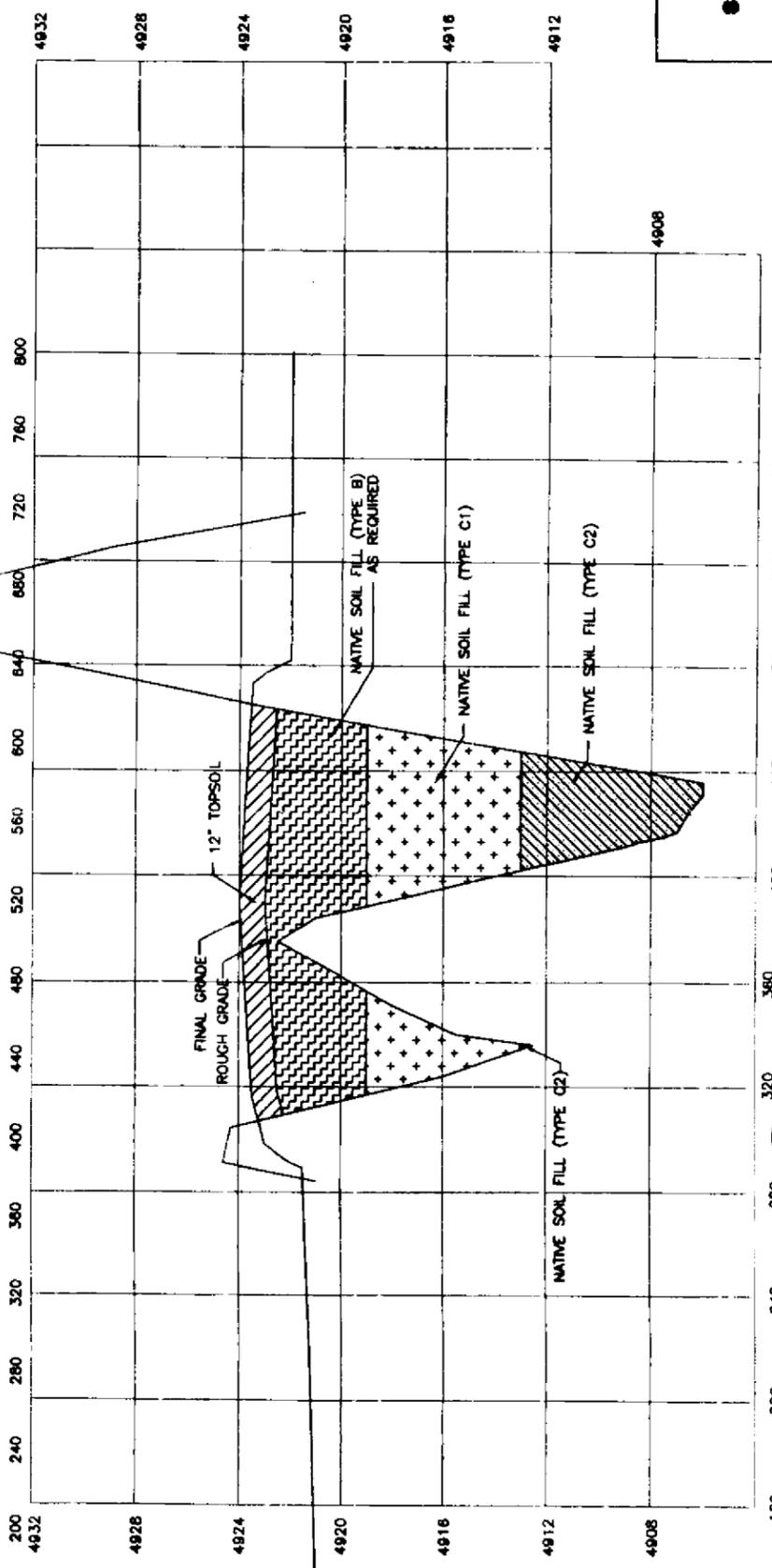
NOTE:
SECTIONS ARE FROM PARSONS PLANS
FOR U.S. D.O.E. SHEET C-07.

**TRA OU 2-19 WAG 2
TRA REMEDIAL DESIGN
SEWAGE LEACH POND SECTIONS**

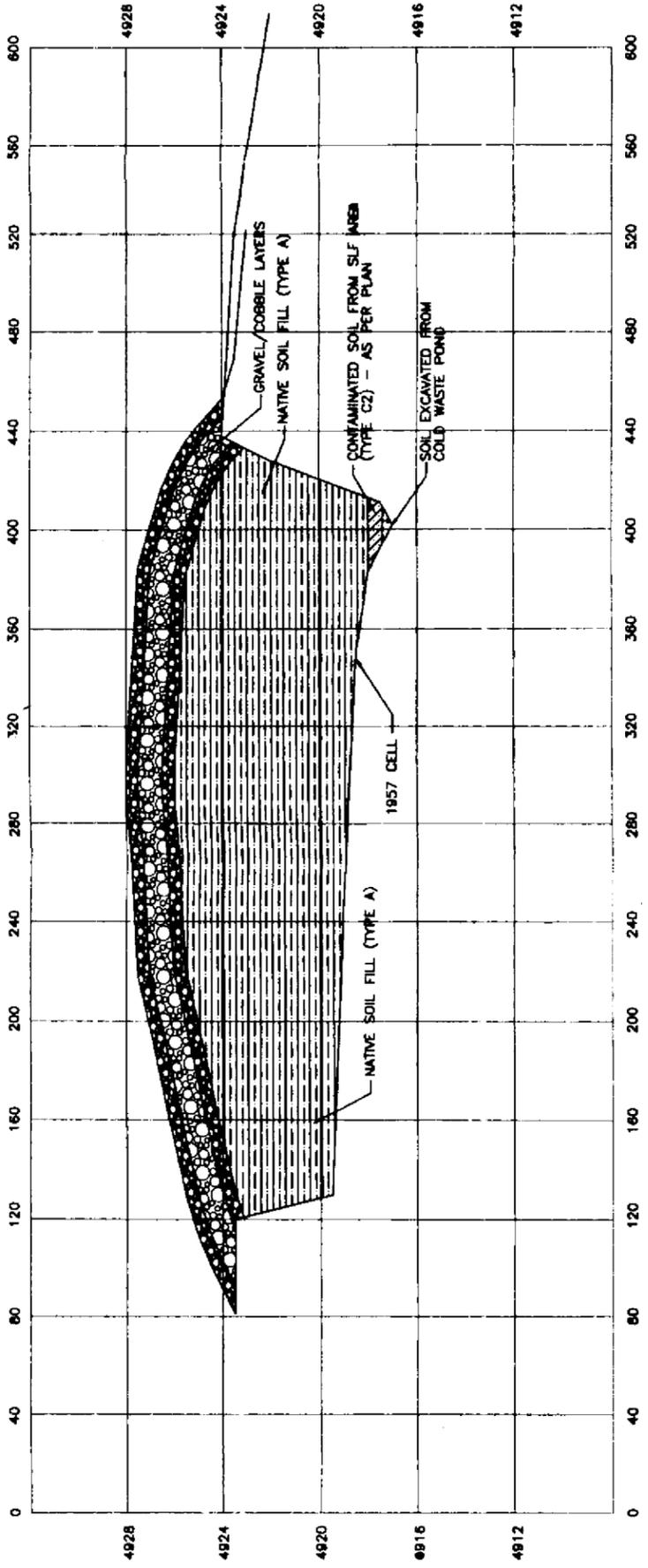
Date: 7-30-83	Drawn: M.L.T.	Scale: 1"=30'
Date: JULY 2000	Checked: [Signature]	Scale: 1"=30'
Mountain River Engineering		PAE: [Signature]
1800 Lakeside Road		P-MAIL: [Signature]
Mableton, GA 30157		F-MAIL: [Signature]



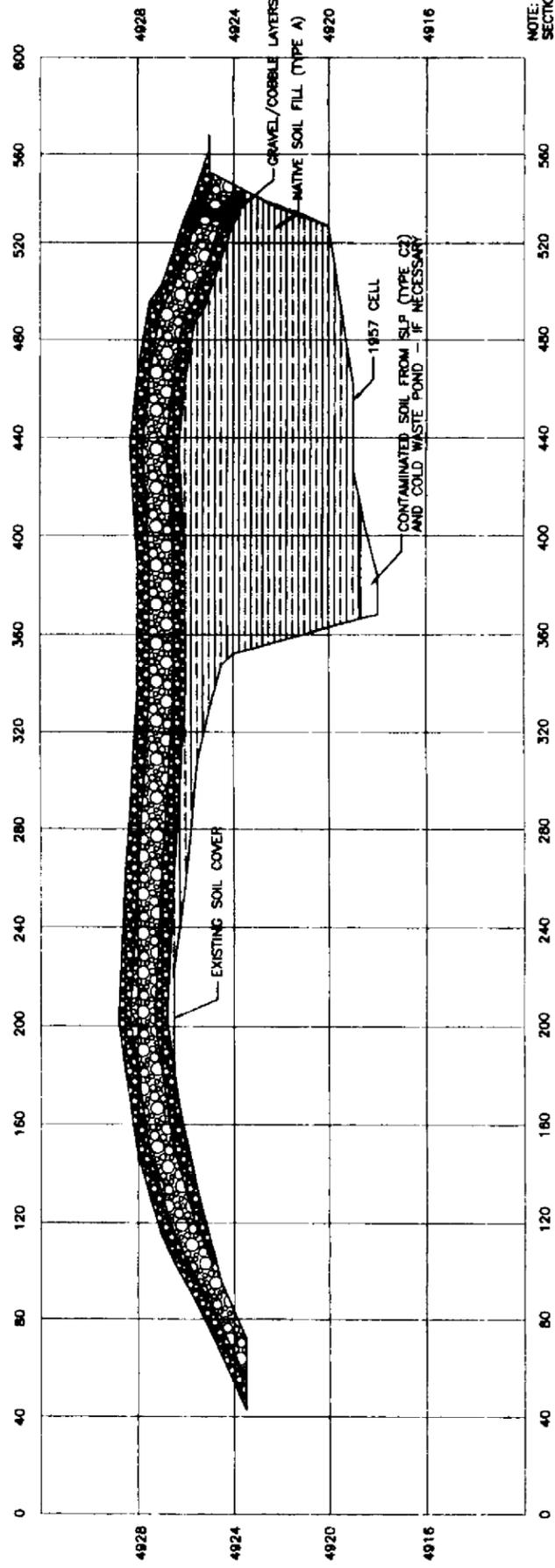
C SECTION
C-07 SCALE: H: 1"=30'
V: 1"=3'



D SECTION
C-07 SCALE: H: 1"=30'
V: 1"=3'



E SECTION
 C-07 SCALE: H: 1"=30'
 V: 1"=3'

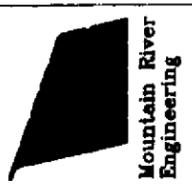


F SECTION
 C-07 SCALE: H: 1"=30'
 V: 1"=3'

NOTE:
 SECTIONS ARE FROM PARSONS PLANS
 FOR U.S. D.O.E. SHEET C-08.

TRA OU 2-19 WAG 2
TRA REMEDIAL DESIGN
WARM WASTE POND (1952 & 1957 CELLS)
SECTIONS

DATE: 7/30/00	BY: J.L.F.	DATE: JULY 2000	PROJECT: WASTE POND
DATE: JULY 2000	BY: J.L.F.	DATE: JULY 2000	PROJECT: WASTE POND
DATE: JULY 2000	BY: J.L.F.	DATE: JULY 2000	PROJECT: WASTE POND
DATE: JULY 2000	BY: J.L.F.	DATE: JULY 2000	PROJECT: WASTE POND



Mountain River
 Engineering

Appendix D

Changes to Engineered Barrier Cover

REC 3-2-99 TAD

number Field Problem <u>1</u>	CID Number <u>2-13-TRA-001</u>
Addressee <u>Paul Bills</u>	Project Title/No. <u>TRAOU2-13 WAG RA</u>
Originator/Company <u>L. Peterson, Phenix of Idaho, Inc.</u>	Subcontract No. <u>734449-T270-SC3001</u>
References: Drawings/Specifications/Documents <u>Sub. Sec. 1-14-C Spec 02200-1.3.4,02210-1.3.3</u>	
Subject <u>Original Field Notes</u>	
Issue: Original field notes made under a professional land surveyor responsible charge to remain in their possession indefinitely for liability reasons.	
Recommended Solution: COST <input type="checkbox"/> yes <input checked="" type="checkbox"/> no SCHEDULE <input type="checkbox"/> yes <input checked="" type="checkbox"/> no Submit copies of original field notes instead of original field notes.	
Solution: VENDOR DATA REQUIRED: YES NO REVISED VDS ATTACHED: YES NO SUBMIT UNDER VDS ITEM NO. YES NO QA REVIEW: YES NO ES&H REVIEW: YES NO WELD LAB REVIEW: YES NO	Inspection Requirements Affected Document: Signature <u>[Signature]</u> 3-3-99 Signature _____ Signature _____
Recommended solution acceptable. Revise specifications per attached pages.	
Disposition: In accordance with Subcontract Section _____ Change Order _____ If you consider that the information contained herein does involve a change in price or project completion date, immediately notify the Subcontract Administrator. Do not proceed with work until the price or project completion date change has been approved by the subcontract Administrator.	
THE SUBCONTRACTOR SHALL PROCEED IN ACCORDANCE WITH THE ATTACHED (CHANGED DOCUMENTS).	
Construction Engineer/Date <u>[Signature]</u> 3-3-99 for J.L. Peterson	Subcontract Administrator/Date <u>[Signature]</u> 3-3-99

To Be Completed By Construction Engineer/Project Manager

To Be Completed by Project Manager/Construction Engineer

Completed By Subcontract Administrator

T.C.

CONSTRUCTION INTERFACE DOCUMENT
(continued)

CHANGE ORDER COST PROPOSAL

1) MATERIAL COST AND LABOR MANHOURLY BREAKDOWN:

MATERIAL DESCRIPTION	UNIT OF MEASURE	QTY	UNIT COST	TOTAL COST	MAN HOUR UNIT	TOTAL MAN HOURS	9) TOTAL AMOUNT	10) TIME EXTENSION CALENDAR DAYS
_____	_____	_____	\$ _____	\$ _____	_____	_____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____	_____	_____
TOTAL MATERIAL COST =				\$ _____				
TOTAL LABOR MANHOURS =					_____			

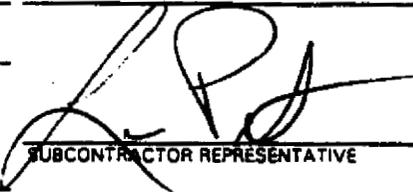
11) REFERENCE APPROVED CONSTRUCTION SCHEDULE:

REV. NO.	DATE	SHEETS NO.	
_____	_____	_____	
NODE NO(S)	CALENDAR DAY (S)	NODE NO(S)	CALENDAR DAYS(S)
_____	_____	_____	_____

2) EQUIPMENT BREAKDOWN

EQUIPMENT DESCRIPTION	HOURS	RATE	TOTAL AMOUNT	EFFECT ON CRITICAL PATH AND JUSTIFICATION FOR TIME EXTENSION:
_____	X _____	_____	\$ _____	_____
_____	X _____	_____	\$ _____	_____
_____	X _____	_____	\$ _____	_____
TOTAL EQUIPMENT COST				_____

3) CRAFT: OFF-SITE FABRICATION YES NO

_____ M/hrs	X \$ _____	M/hrs = \$ _____	 SUBCONTRACTOR REPRESENTATIVE APPROVED:	3-2-99 DATE	
_____ M/hrs	X \$ _____	M/hrs = \$ _____			
_____ M/hrs	X \$ _____	M/hrs = \$ _____			
_____	TOTAL MANHOURS	TOTAL LABOR	\$ _____	CONSTRUCTION ENGINEER	DATE

- 4) MATERIAL: (SEE SUBSECTION NO. 1 FOR BREAKDOWN) \$ _____
- 5) EQUIPMENT: (SEE SUBSECTION NO. 2 FOR BREAKDOWN) \$ _____
- 6) LABOR: (SEE SUBSECTION NO. 3 FOR BREAKDOWN) \$ _____
- 7) TOTAL DIRECT COST (ITEMS 4 THRU 8) + A28 \$ _____
- 8.) INDIRECT COST AT _____ % \$ _____

PROJECT MANAGER _____ DATE _____

pedestrians shall walk on the left road shoulder facing traffic and shall stay/stand clear of moving vehicles.

- (i) All vehicle operators and pedestrians shall report unsafe vehicle or pedestrian conditions and/or accident near misses to Contractor.

13. LAYOUT OF WORK

- A. The Subcontractor shall lay out its work from the Contractor established baselines and benchmarks indicated on the drawings and shall be responsible for all measurements in connection with the layout. The Subcontractor shall furnish, at its own expense, all stakes, templates, platforms, equipment, tools, materials, and labor required to lay out the work. The Subcontractor shall be responsible for executing the work to the lines and grades established or indicated by the subcontract documents. The Subcontractor shall maintain and preserve all stakes and other marks established by the Contractor until authorized to remove them. If such marks are destroyed by the Subcontractor through its negligence before their removal is authorized, the Contractor may replace them and deduct the expense of the replacement from any amounts due or to become due to the Subcontractor.
- B. Initial survey reference points are identified on project design drawings (Attachment 1).
- C. The Subcontractor shall furnish all other detail surveys, including all lines, grades and appropriate surveys of any other type unless otherwise specified.

14. QUANTITY SURVEYS

- A. Quantity surveys shall be conducted and the data derived from these surveys shall be used in computing the quantities of work performed and the actual construction completed and in-place.
- B. The Contractor shall conduct the original and final surveys and make the computations based on them. The Subcontractor may also conduct original and final surveys to assure no discrepancies arise from survey data. The Subcontractor shall conduct the surveys for any periods for which payments are requested and shall make the computations based on these surveys. All surveys conducted by the Subcontractor shall be witnessed and verified by the Contractor.

C. Promptly upon ^{copies of} completing a survey, the Subcontractor shall furnish to the Contractor the original of all field notes and other records relating to the survey or layout of the work, which shall be used to determine the amount of payment. The Subcontractor shall retain copies of all such material furnished to the Contractor.

15. MEETINGS

- A. A Preconstruction Meeting is scheduled for March 3, 1999. At a minimum, the Subcontractor's representatives shall include the Subcontractor's superintendent, the job-site safety representative, and the principal lower-tier Subcontractor's

- (b) **Field Placement Tests** - Field tests requiring offsite laboratory shall be reported to the Contractor within 2 work days after the performance of the test, as per Section 3.5.3. Field tests that provide immediate results shall be recorded in the Daily Field Report and presented to the Contractor by the end of the same day.
- (c) **Field Quality Control Tests** - Field tests requiring offsite laboratory shall be reported to the Contractor within 2 work days after the performance of the test. Field tests that provide immediate results shall be recorded in the Daily Field Report and presented to the Contractor by the end of the same day.

1.3.2 **Procedures**

The Subcontractor shall submit a work plan (see Subcontract Section I.5) describing the equipment, materials, and methods to be employed to meet the requirements of this specification to the Contractor for approval 20 calendar days prior to commencement of work. The work plan shall be formatted in accordance with the requirements outlined in the contract special condition titled Construction Work Plan.

The Subcontractor shall submit a Quality Assurance/Quality Control (QA/QC) System Manual as set forth in Section 1.4 and demonstrate construction placement methods in accordance with this specification for the Contractor's written approval 20 calendar days prior to their use.

1.3.3 **Certifications**

Prior to final acceptance of the work specified herein, the Subcontractor shall submit a letter to the Contractor verifying conformance to the requirements identified in this specification.

1.3.4 **Records**

The Subcontractor shall submit to the Contractor ^{copies of} all field records from surveying, layout, laboratory, and field inspection activities within 4 work days after completion of these activities.

1.4 **QUALITY ASSURANCE**

The Subcontractor shall comply with the Contractors Implementing Project Management Plan for the Idaho National Engineering and Environmental Laboratory Remediation Program, Section 13, "Quality Assurance."

PART 2 PRODUCTS

2.1 **EQUIPMENT AND MATERIALS**

2.1.1 **Equipment**

All equipment and tools shall comply with the safety requirements of the Health and Safety Plan (HASP). All equipment and tools used by the Subcontractor to perform the work shall be subject to inspection by the Contractor before the work is started and shall be maintained in satisfactory working condition at all times. All soil compaction equipment will be inspected for acceptance by the Contractor prior to the start of construction.

1.3 SUBMITTALS

1.3.1 Procedures

- (a) The Subcontractor shall submit a work plan (see Subcontract Section I.5) within 8 workdays after notice to proceed a plan for the work, including descriptions of survey equipment, procedures used to establish temporary or permanent benchmarks or measurements, field notes, calculations, reductions, closures, and documentation for any benchmarks or monuments to the Contractor for approval.
- (b) Data shall be reduced and plotted by the Subcontractor in a form acceptable to the Contractor. Legible notes, drawings, and reproducible documentation shall be submitted to the Contractor for approval. The Subcontractor shall supply survey data and topography plats to the Contractor for approval within 4 work days after completion of each respective site and survey for the rough grade, final grade, and completed surfaces of the gravel and cobble layers comprising the engineered barrier. Contour interval shall be 0.5 feet. In addition to the above noted submittals, all plats shall also be submitted in electronic format.
- (c) The Subcontractor shall not proceed with placement of an overlying layer or with subsequent work phases until the surveyor has completed the survey of the existing surface measurements and the data has been reviewed and accepted by the Contractor.

1.3.2 Certifications

- (a) Prior to grading or placing fill at each respective site, the Subcontractor shall perform a survey of the existing subgrade, if necessary, to confirm to his satisfaction, the adequacy of the existing topo as shown on the drawings, and shall submit a letter to the Contractor stating acceptance of the accuracy of the existing topo shown on the contract drawings, or shall otherwise advise of discrepancies or omissions for further resolution. Construction work in each respective area shall not begin until agreement is reached on the adequacy of existing topo information.

1.3.3 Records

The Subcontractor shall submit to the CE for information, all field notes from surveying and layout activities within 4 work days after completion of each stage of these activities at each respective site.

copies of

1.4 QUALITY ASSURANCE

The Subcontractor shall be responsible for protecting and maintaining all horizontal and vertical control points during construction.



RIC 3-2-99 110

Number	CID Number 2-13-TRA-002
--------	-----------------------------------

Field Problem 2	Date March 2, 1999
------------------------	---------------------------

Addressee Paul Bills	Project Title/No. TRAOU2-13 WAG RA	Subcontract No. 7-4995-T270-SC3001
--------------------------------	--	--

Originator/Company L. Peterson, Phenix of Idaho, Inc.	References: Drawings/Specifications/Documents Spec 02200 Table 3.1
---	--

Subject C-1, C-2 Soil Graduation
--

Issue: Soil will need to be taken offsite to lab for soil gradation. There would be a potential of spreading of contamination in this process.
--

Recommended Solution: COST <input type="checkbox"/> yes <input checked="" type="checkbox"/> no SCHEDULE <input type="checkbox"/> yes <input checked="" type="checkbox"/> no Delete C-1, C-2 Soil gradations testing.
--

Solution:	Inspection Requirements Affected Document:	
VENDOR DATA REQUIRED: <input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	
REVISD VDS ATTACHED: <input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	
SUBMIT UNDER VDS ITEM NO. _____	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Signature Alkhal 3-3-99
QA REVIEW: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Signature _____
ES&M REVIEW: <input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	Signature _____
WELD LAB REVIEW: <input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	
Recommended solution acceptable - Revise specification per attached pages.		
Scott Lamm 3-2-99 Project Manager/Date for C.R.		Scott Lamm 3-2-99 Construction Engineer/Date for I.L. per telcon.

Disposition: in accordance with Subcontract Section _____ Change Order _____
 If you consider that the information contained herein does involve a change in price or project completion date, immediately notify the Subcontract Administrator. Do not proceed with work until the price or project completion date change has been approved by the subcontract Administrator.

THE SUBCONTRACTOR SHALL PROCEED AS ATTACHED IN THE CHANGED DOCUMENTS.
Scott Lamm 3-3-99 for I.L. per telcon Construction Engineer/Date
Paul Bills 3-3-99 Subcontract Administrator/Date
Don Pat 3-3-99

CONSTRUCTION INTERFACE DOCUMENT
(continued)

CHANGE ORDER COST PROPOSAL

1) MATERIAL COST AND LABOR MANHOUR BREAKDOWN:

MATERIAL DESCRIPTION	UNIT OF MEASURE	QTY	UNIT COST	TOTAL COST	MAN HOUR UNIT	TOTAL MAN HOURS	9) TOTAL AMOUNT \$	10) TIME EXTENSION CALENDAR DAYS
_____	_____	_____	\$ _____	\$ _____	_____	_____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____	_____	_____
TOTAL MATERIAL COST =				\$ _____			_____	_____
TOTAL LABOR MANHOURS =				_____		_____	_____	_____

11) REFERENCE APPROVED CONSTRUCTION SCHEDULE:

REV. NO.	DATE	SHEETS NO.	
_____	_____	_____	
NODE NO(S)	CALENDAR DAY (S)	NODE NO(S)	CALENDAR DAYS(S)
_____	_____	_____	_____
_____	_____	_____	_____

2) EQUIPMENT BREAKDOWN

EQUIPMENT DESCRIPTION	HOURS	RATE	TOTAL AMOUNT	EFFECT ON CRITICAL PATH AND JUSTIFICATION FOR TIME EXTENSION:
_____	X _____	_____	= \$ _____	_____
_____	X _____	_____	= \$ _____	_____
_____	X _____	_____	= \$ _____	_____
TOTAL EQUIPMENT COST				_____

3) CRAFT: OFF-SITE FABRICATION YES NO

_____ M/hrs	X	\$ _____ M/hrs	= \$ _____	 SUBCONTRACTOR REPRESENTATIVE APPROVED:	3-2-99 DATE
_____ M/hrs	X	\$ _____ M/hrs	= \$ _____		
_____ M/hrs	X	\$ _____ M/hrs	= \$ _____		
TOTAL MANHOURS			_____	CONSTRUCTION ENGINEER	DATE

- 4) MATERIAL: (SEE SUBSECTION NO. 1 FOR BREAKDOWN) \$ _____
- 5) EQUIPMENT: (SEE SUBSECTION NO. 2 FOR BREAKDOWN) \$ _____
- 6) LABOR: (SEE SUBSECTION NO. 3 FOR BREAKDOWN) \$ _____
- 7) TOTAL DIRECT COST (ITEMS 4 THRU 6) + A2B \$ _____
- 8.) INDIRECT COST AT _____ % \$ _____

PROJECT MANAGER _____ DATE _____

TABLE 3.1
Field Placement Testing Methods and Frequencies¹

Material Type	Test Method ⁴	Frequency ⁵
A. Native Soil Fill Material	Gradation (ASTM D422)	1 Test per 1000 CY
	Gradation (ASTM D422) (Native Soil Types B, C1, and C2)	1 Test per 5000 CY
	Total Density (ASTM D2922) (Required only for Native Soil Type A) ⁸	4/acre/lift ⁵
	Water Content (ASTM D3017) (Required only for Native Soil Type A)	4/acre/lift ⁶
	Visual Inspection ⁷ (Soil Types B, C1 and C2)	5 passes ²
	Gradation (ASTM D422)	1 Test per 1000 CY
	Atterberg Limits (ASTM D4318)	1 Test per 1000 CY
B. Topsoil Layer (Native Soil)	Classification (ASTM D2487)	1 Test per 1000 CY
	Total Density (ASTM D2922)	Occasional
	Water Content (ASTM D3017)	Occasional
	Gradation (ASTM D422)	1 Test per 1000 CY
C. Gravel Layer	Classification (ASTM D 2487)	1 Test per 1000 CY
	Visual Inspection	4 passes ²
D. Cobble Layer	Gradation (ASTM D422)	1 Test per 1000 CY
E. Rip Rap Layer	Visual Inspection	Daily
	1. Borrow source testing shall be conducted prior to filling operations.	
2. Number of Passes Test Method refers to the required documented passes performed by the Subcontractor.		
3. Frequency refers to the minimum number of tests required for each respective Test Method.		
4. Grab samples shall be taken from the lift materials for each test.		
5. Quality Control checks for density shall be conducted for 1 of every 10 Nuclear Method Tests by the Sand Cone Method (ASTM D1556).		
6. Quality Control checks for moisture content shall be conducted for 1 of every 10 Nuclear Methods (shallow depth) by Direct Water Content Measurements (ASTM D2216).		
7. Results of visual inspection shall be recorded in the Daily Field Report.		
8. The Contractor may require occasional density testing for Soil Type B.		

RFC 3-2-99 146

To Be Completed By Construction Engineer/Project Manager

Field Problem 3		CID Number <i>N/A CLARIFICATION ONLY</i>	
Addressee Paul Bills		Project Title/No. TRA OU2-13 WAG RA	Date March 2, 1999
Originator/Company L. Peterson, Phenix of Idaho, Inc.		Subcontract No. 734449-T270-SC3001	
Subject Calibration of concrete testing equipment.		References: Drawings/Specifications/Documents Spec 03300	
Issue: Cannot find in specifications, requirements for calibration of concrete testing equipment. If any, please clarify.			
Recommended Solution: COST <input type="checkbox"/> yes <input checked="" type="checkbox"/> no SCHEDULE <input type="checkbox"/> yes <input checked="" type="checkbox"/> no			
Concrete and grout placement on project not structural. Use MTI Standard concrete testing equipment without INEEL Calibration.			

To Be Completed by Project Manager/Construction Engineer

Solution:	Inspection Requirements Affected Document: _____
VENDOR DATA REQUIRED: <input type="checkbox"/> YES <input type="checkbox"/> NO	
REVISED VDS ATTACHED: <input type="checkbox"/> YES <input type="checkbox"/> NO	
SUBMIT UNDER VDS ITEM NO. _____	
QA REVIEW: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Signature <i>[Signature]</i> 3-3-99
ES&H REVIEW: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Signature _____
WELD LAB REVIEW: <input type="checkbox"/> YES <input type="checkbox"/> NO	Signature _____
<p><i>Recommended solution not accepted. Concrete testing equipment required to be calibrated per LMITCO Quality Engineer (PRD-5015).</i></p>	
Project Manager/Date <i>[Signature]</i> 3-3-99	Construction Engineer/Date <i>[Signature]</i> 3-3-99

To Be Completed By Subcontract Administrator

Disposition: in accordance with Subcontract Section _____ Change Order _____

If you consider that the information contained herein does involve a change in price or project completion date, immediately notify the Subcontract Administrator. Do not proceed with work until the price or project completion date change has been approved by the subcontract Administrator.

NO CHANGE IN CONTRACT DOCUMENTS. THE SUBCONTRACTOR SHALL TEST EQUIPMENT IN ACCORDANCE WITH THE SUBCONTRACT TESTING I.E. PRD-5015 OF THE SUBCONTRACTOR REQUIREMENTS MANUAL.

[Signature] 3-3-99 *for J.L. per telacon*
Construction Engineer/Date

[Signature] 3-3-99
Subcontract Administrator/Date

[Signature] 3-3-99

CONSTRUCTION INTERFACE DOCUMENT
(continued)

CHANGE ORDER COST PROPOSAL

1) MATERIAL COST AND LABOR MANHOOR BREAKDOWN:

MATERIAL DESCRIPTION	UNIT OF MEASURE	QTY	UNIT COST	TOTAL COST	MAN HOUR UNIT	TOTAL MAN HOURS	9) TOTAL AMOUNT	10) TIME EXTENSION CALENDAR DAYS
_____	_____	_____	\$ _____	\$ _____	_____	_____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____	_____	_____
TOTAL MATERIAL COST =				\$ _____				
TOTAL LABOR MANHOORS =					_____			

11) REFERENCE APPROVED CONSTRUCTION SCHEDULE:

REV. NO.	DATE	SHEETS NO.	
_____	_____	_____	
NODE NO(S)	CALENDAR DAY (S)	NODE NO(S)	CALENDAR DAYS(S)
_____	_____	_____	_____

2) EQUIPMENT BREAKDOWN

EQUIPMENT DESCRIPTION	HOURS	RATE	TOTAL AMOUNT
_____	X _____	= _____	\$ _____
_____	X _____	= _____	\$ _____
_____	X _____	= _____	\$ _____
TOTAL EQUIPMENT COST			\$ _____

EFFECT ON CRITICAL PATH AND JUSTIFICATION FOR TIME EXTENSION:

3) CRAFT: OFF-SITE FABRICATION YES ___ NO ___

_____ M/hrs	X \$ _____	M/hrs = \$ _____
_____ M/hrs	X \$ _____	M/hrs = \$ _____
_____ M/hrs	X \$ _____	M/hrs = \$ _____
TOTAL MANHOORS		TOTAL LABOR \$ _____


 SUBCONTRACTOR REPRESENTATIVE 3-2-99
 DATE

APPROVED: _____
 CONSTRUCTION ENGINEER DATE

- 4) MATERIAL: (SEE SUBSECTION NO. 1 FOR BREAKDOWN) \$ _____
- 5) EQUIPMENT: (SEE SUBSECTION NO. 2 FOR BREAKDOWN) \$ _____
- 6) LABOR: (SEE SUBSECTION NO. 3 FOR BREAKDOWN) \$ _____
- 7) TOTAL DIRECT COST (ITEMS 4 THRU 6) - A28 \$ _____
- 8) INDIRECT COST AT _____ % \$ _____

PROJECT MANAGER DATE



Parsons Infrastructure & Technology Group Inc.
CONSTRUCTION INTERFACE DOCUMENT

23C 3-12-99 PH

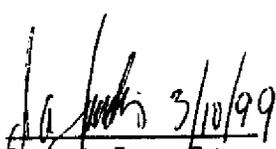
number		CID Number 2-13-TRA-003	
Field Problem 4		Date 3 10 99	
Addressee Jody Landis		Project Title/No. TRA 002-13 WAG RA	Subcontract No. 734449-T270-SC3001
Originator/Company K Eborn Phoenix INC		References: Drawings/Specifications/Documents C-08	
Subject Excavation for Pipe abandonment			
Issue: Directed by Parsons and RCT TO excavate outside underground Radioactive Material Signing It will add approximately 60' to length of pipes to be grouted			
Recommended Solution: COST <input checked="" type="checkbox"/> yes <input type="checkbox"/> no SCHEDULE <input type="checkbox"/> yes <input checked="" type="checkbox"/> no Reimburse for extra grout used			

To Be Completed By Construction Engineer/Project Manager

Solution:	Inspection Requirements Affected Location:	M/A	None
VENDOR DATA REQUIRED:	YES	NO	
REVISED VDS ATTACHED:	YES	NO	
SUBMIT UNDER VDS ITEM NO.	N/A		
QA REVIEW:	YES	NO	
ES&H REVIEW	YES	NO	
WELD LAB REVIEW:	YES	NO	
	Signature	_____	
	Signature	_____	
	Signature	_____	

Recommended solution acceptable.

 3/15/99
 Project Manager/Date

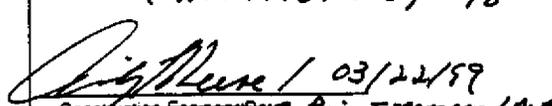
 3/10/99
 Construction Engineer/Date

To Be Completed by Project Manager/Cons Engineer

Disposition: In accordance with Subcontract Section _____ Change Order _____

If you consider that the information contained herein does involve a change in price or project completion date, immediately notify the Subcontract Administrator. Do not proceed with work until the price or project completion date change has been approved by the subcontract Administrator.

NO ADDITIONAL GROUT IS REQUIRED. THE SUBCONTRACTOR SHALL PROCEED PER TECHNICAL SPECIFICATIONS AND DRAWINGS FOR "0" DOLLARS (ADDITIONAL) TO THE CONTRACT PRICE.

 03/22/99
 Construction Engineer/Date

 3/22/99
 Subcontract Administrator/Date

 3-17-99
 SUBCONTRACTOR/DATE

To Be Completed By Subcontract Administrator

CONSTRUCTION INTERFACE DOCUMENT
(continued)

CHANGE ORDER COST PROPOSAL

1) MATERIAL COST AND LABOR MANHOUR BREAKDOWN:

MATERIAL DESCRIPTION	UNIT OF MEASURE	QTY	UNIT COST	TOTAL COST	MAN HOUR UNIT	TOTAL MAN HOURS	9) TOTAL AMOUNT	10) TIME EXTENSION	CALENDAR DAYS
_____	_____	_____	\$ _____	\$ _____	_____	_____	_____	<u>0</u>	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____	_____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____	_____	_____	_____
TOTAL MATERIAL COST =				\$ _____					
TOTAL LABOR MANHOURS =									

11) REFERENCE APPROVED CONSTRUCTION SCHEDULE:

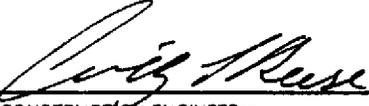
REV. NO. _____	DATE _____	SHEETS NO. _____
NODE NO(S) _____	CALENDAR DAY (S) _____	NODE NO(S) _____
_____	_____	_____
_____	_____	_____
_____	_____	_____

2) EQUIPMENT BREAKDOWN

EQUIPMENT DESCRIPTION	HOURS	RATE	TOTAL AMOUNT	EFFECT ON CRITICAL PATH AND JUSTIFICATION FOR TIME EXTENSION:
_____	X _____	= _____	\$ _____	_____
_____	X _____	= _____	\$ _____	_____
_____	X _____	= _____	\$ _____	_____
TOTAL EQUIPMENT COST				

3) CRAFT: OFF-SITE FABRICATION YES NO

_____ M/hrs	X \$ _____	M/hrs = \$ _____
_____ M/hrs	X \$ _____	M/hrs = \$ _____
_____ M/hrs	X \$ _____	M/hrs = \$ _____
_____	TOTAL MANHOURS	TOTAL LABOR
		\$ _____

SUBCONTRACTOR REPRESENTATIVE _____ DATE _____
 APPROVED:

 CONSTRUCTION ENGINEER
 Project Manager
 DATE 03/22/99

- 4) MATERIAL: (SEE SUBSECTION NO. 1 FOR BREAKDOWN) \$ _____
- 5) EQUIPMENT: (SEE SUBSECTION NO. 2 FOR BREAKDOWN) \$ _____
- 6) LABOR: (SEE SUBSECTION NO. 3 FOR BREAKDOWN) \$ _____
- 7) TOTAL DIRECT COST (ITEMS 4 THRU 6) + A28 \$ _____
- 8.) INDIRECT COST AT _____% \$ _____

PROJECT MANAGER _____ DATE _____



Parsons Infrastructure & Technology Group, Inc.
CONSTRUCTION INTERFACE DOCUMENT

CID Number 2-13

CID Number 2-13-TRA-004

Field Problem N/A Date 3-15-99

Addressee Craig Reese Project Title/No. TRA Remedial Action Subcontract No. 734449-s3001

Originator/Company Paul F. Bills References: Drawings/Specifications/Documents SC-20

Subject Baseline Schedule

Issue:
The subcontractor has not been allowed to commence work in the Chemical Waste Pond per the subcontractors approved baseline schedule and contract documents.

Recommended Solution: COST yes no SCHEDULE yes no

As requested by the client, direct the subcontractor to revise their baseline schedule and work sequence as follows:

- No work will commence in the Chemical Waste Pond until May 1, 1999.
- The subcontractor shall revise and re-submit the baseline schedule to reflect the May 1, 1999 date.
- There will be no additional time added on the completion date

To Be Completed By Construction Engineer/Project Manager

Solution: Inspection Requirements: _____
Affected Document: _____

VENDOR DATA REQUIRED: YES NO
 REVISED VDS ATTACHED: YES NO
 SUBMIT UNDER VDS ITEM NO. _____
 QA REVIEW: YES NO Signature _____
 ESAH REVIEW: YES NO Signature _____
 WELD LAB REVIEW: YES NO Signature _____

As Recommended

Craig Reese 3/16/99
Project Manager/Date

Craig Reese 3/16/99 per tel con
Construction Engineer/Date

To Be Completed By Project Manager/Construction Engineer

Disposition: in accordance with Subcontract Section _____ Change Order _____
 If you consider that the information contained herein does involve a change in price or project completion date, immediately notify the Subcontract Administrator. Do not proceed with work until the price or project completion date change has been approved by the Subcontract Administrator.

THE SUBCONTRACTOR SHALL PROCEED AS RECOMMENDED.

Craig Reese 03/22/99
Construction Engineer/Date
Paul F. Bills 3/22/99
Project Manager/Date
 Subcontract Administrator/Date

[Signature] 3-17-99
Subcontractor Representative/Date

To Be by Subcontract Administrator

CONSTRUCTION INTERFACE DOCUMENT

(continued)

CHANGE ORDER COST PROPOSAL

1) MATERIAL COST AND LABOR MANHOUR BREAKDOWN:

MATERIAL DESCRIPTION	UNIT OF MEASURE	QTY	UNIT COST	TOTAL COST	MAN HOUR UNIT	TOTAL MAN HOURS
_____	_____	_____	\$ _____	\$ _____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____
TOTAL MATERIAL COST =				\$ _____		
TOTAL LABOR MANHOURS =					_____	

2) EQUIPMENT BREAKDOWN:

EQUIPMENT DESCRIPTION	HOURS	RATE	TOTAL AMOUNT
_____	_____	_____ =	\$ _____
_____	_____ X	_____ =	\$ _____
_____	_____ X	_____ =	\$ _____
TOTAL EQUIPMENT COST			\$ _____

3) CRAFT: OFF-SITE FABRICATION YES NO

_____ M/hrs	_____ X	\$ _____ M/hr. =	\$ _____
_____ M/hrs	_____ X	\$ _____ M/hr. =	\$ _____
_____ M/hrs	_____ X	\$ _____ M/hr. =	\$ _____
_____	TOTAL MANHOURS	TOTAL LABOR	\$ _____

- 4) MATERIAL: (SEE SUBSECTION NO.1 FOR BREAKDOWN) \$ _____
- 5) EQUIPMENT: (SEE SUBSECTION NO.2 FOR BREAKDOWN) \$ _____
- 6) LABOR: (SEE SUBSECTION NO.3 FOR BREAKDOWN) \$ _____
- 7) TOTAL DIRECT COST (ITEMS 4 THRU 6) \$ _____
- 8) INDIRECT COST AT _____ % \$ _____

9) TOTAL AMOUNT -

\$ N/A

10) TIME EXTENSION _____ CALENDAR DAYS

11) REFERENCE APPROVED CONSTRUCTION SCHEDULE:

REV. NO.	DATE	SHEET NO.	
_____	_____	_____	
NODE NO(S)	CALENDAR DAY(S)	NODE NO(S)	CALENDAR DAY(S)
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

EFFECT ON CRITICAL PATH AND JUSTIFICATION FOR TIME EXTENSION:

[Signature] 3-17-99

SUBCONTRACTOR REPRESENTATIVE DATE

APPROVED:

[Signature] 03/22/99

CONSTRUCTION ENGINEER Project Manager DATE

[Signature] 3-27-99
for Jody LANDIS
C.E.

PROJECT MANAGER DATE

PAB 3-25-99

Field Problem <i>N/A</i>		CID Number <i>2-13-TRA-004005</i>	
Addressed <i>LANCE PETERSON</i>		Date <i>2-9-99</i>	
Project Title/No. <i>TRA REMEDIAL ACTION</i>		Subcontract No. <i>734449-T270-53001-99</i>	
Originator/Company <i>TONY LANDIS / PARSONS</i>		References: Drawings/Specifications/Documents	
Subject <i>BREAKER FOR SUBCONTRACTOR POWER</i>			
Issue: <i>A BREAKER IS NEEDED TO SUPPLY THE SUBCONTRACTOR WITH POWER.</i>			
Recommended Solution: COST <input checked="" type="checkbox"/> yes <input type="checkbox"/> no SCHEDULE <input type="checkbox"/> yes <input checked="" type="checkbox"/> no <i>PURCHASE G.E. CIRCUIT BREAKER PART # TEY3100</i>			

To Be Completed By Construction Engineer/Project Manager

Solution:		Inspection Requirements Affected Document: <i>NONE</i>	
VENDOR DATA REQUIRED:	<input checked="" type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Signature _____	
REVISED VDS ATTACHED:	<input checked="" type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Signature _____	
SUBMIT UNDER VDS ITEM NO.		Signature _____	
QA REVIEW:	<input checked="" type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Signature _____	
ES&H REVIEW	<input checked="" type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Signature _____	
WELD LAB REVIEW:	<input checked="" type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Signature _____	
<i>Agree with recommended solution</i>			
		<i>[Signature]</i> <i>2/10/99</i> Project Manager/ Date Construction Engineer/Date	

To Be Completed by Project Manager/Const Engineer

Disposition: In accordance with Subcontract Section _____ Change Order _____

If you consider that the information contained herein does involve a change in price or project completion date, immediately notify the Subcontract Administrator. Do not proceed with work until the price or project completion date change has been approved by the subcontract Administrator.

THE SUBCONTRACTOR SHALL PROCEED AS RECOMMENDED.

[Signature] *2/17/99*
 Construction Engineer/Date

[Signature] *3-25-99*
 Subcontract Administrator/Date

To Be Completed By Subcontract Administrator

CONSTRUCTION INTERFACE DOCUMENT
(continued)

CHANGE ORDER COST PROPOSAL

1) MATERIAL COST AND LABOR MANHOUR BREAKDOWN:

MATERIAL DESCRIPTION	UNIT OF MEASURE	QTY	UNIT COST	TOTAL COST	MAN HOUR UNIT	TOTAL MAN HOURS
Tey 300 Breaker		1	\$302.74			
			\$	\$		
			\$	\$		
TOTAL MATERIAL COST =				\$302.74		
TOTAL LABOR MANHOURS =						

9) TOTAL AMOUNT \$348.15
10) TIME EXTENSION 0 CALENDAR DAYS

11) REFERENCE APPROVED CONSTRUCTION SCHEDULE:

REV. NO.	DATE	SHEETS NO.	
NODE NO(S)	CALENDAR DAY (S)	NODE NO(S)	CALENDAR DAYS(S)

2) EQUIPMENT BREAKDOWN

EQUIPMENT DESCRIPTION	HOURS	RATE	TOTAL AMOUNT
	X	-	\$
	X	-	\$
	X	-	\$
TOTAL EQUIPMENT COST			

EFFECT ON CRITICAL PATH AND JUSTIFICATION FOR TIME EXTENSION:

3) CRAFT: OFF-SITE FABRICATION YES NO

M/hrs	X \$	M/hrs	= \$
M/hrs	X \$	M/hrs	= \$
M/hrs	X \$	M/hrs	= \$
TOTAL MANHOURS	TOTAL LABOR	\$	

James P. ... 2-17-99
SUBCONTRACTOR REPRESENTATIVE DATE
APPROVED:
J. A. ... 2-17-99
CONSTRUCTION ENGINEER DATE

4) MATERIAL: (SEE SUBSECTION NO. 1 FOR BREAKDOWN) \$302.74

5) EQUIPMENT: (SEE SUBSECTION NO. 2 FOR BREAKDOWN) \$

6) LABOR: (SEE SUBSECTION NO. 3 FOR BREAKDOWN) \$

7) TOTAL DIRECT COST (ITEMS 4 THRU 8) + A28 \$

8.) INDIRECT COST AT 15 % \$ 45.41

... 03/20/99
PROJECT MANAGER DATE



D&S ELECTRICAL SUPPLY CO.

P.O. BOX 2502 • 363 WEST HUBBUCK ROAD
 POCATELLO, IDAHO 83208-2502
 PHONE (208) 237-8200 FAX (208) 237-8210
 455 SOUTH EASTERN AVENUE
 IDAHO FALLS, IDAHO 83402
 PHONE (208) 522-3158 FAX (208) 523-8906

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 BECCO CONSTRUCTION, INC.
 P.O. BOX 1768
 IDAHO FALLS, ID 83405

PAGE	DOCUMENT NUMBER
01	21146

BECCO CONSTRUCTION, INC. BECCO CONSTRUCTION, INC.
 P.O. BOX 1768 P.O. BOX 1768
 IDAHO FALLS, ID 83405 IDAHO FALLS, ID 83405

SALESMAN	SHIP VIA	CUST. NO.	CUSTOMER ORDER NUMBER	DATE	TERMS
6	TRUCK	9902	02/14/99	STANDARD	NET 30

ITEM DESCRIPTION	ORDERED	SHIPPED	BACK ORDERED	UNIT PRICE	QTY	EXTENDED PRICE
------------------	---------	---------	--------------	------------	-----	----------------

01 BED TUV3100 3P-4BOV-1100R CB
 200.32

SUB TOTAL 200.32
 TAX 19.42
 BAL DUE 302.74

NO RETURNED GOODS ED WITHOUT SPECIAL INVOICE NUMBER TURNIN	PULLED BY	CHECKED BY	RECEIVED IN GOOD ORDER BY	SHIP DATE	CARRIER	FRT AMOUNT	TOTAL
			<i>[Signature]</i>			0.00	302.74

DUPLICATE

SEE REVERSE SIDE
 FOR TERMS AND
 CONDITIONS OF SALE.

OU Number 2-13 CID Number 2-13-TRA-006

Field Problem _____ Date 3/31/99

Addressee KEELY EBERN/PHOENIX Project Title/No. TRM PH KAG 2 OU 2-13 Subcontract No. 734944-1270-5301-99

Originator/Company JODY LANNES PARSONS References: Drawings/Specifications/Documents N/A

Subject Cutting WEEDS

Issue:
THE WEEDS IN THE SOUTH COLD WASTE POND NEED TO BE CUT PRIOR TO TRA OPERATION TRANSFERING WATER FROM THE NORTH COLD WASTE POND TO THE SOUTH POND.

Recommended Solution: COST yes no SCHEDULE yes no
RENT EQUIPMENT AND CUT WEEDS IN SOUTH COLD WASTE POND

Solution: _____ Inspection Requirements: N/A
Affected Document: N/A

VENDOR DATA REQUIRED: YES NO
REVISED VDS ATTACHED: YES NO
SUBMIT UNDER VDS ITEM NO. N/A
QA REVIEW: YES NO
ES&H REVIEW: YES NO
WELO LAB REVIEW: YES NO

Signature _____
Signature _____
Signature _____

Agree with recommended solution

[Signature] 04/05/99 [Signature] 3/31/99
Project Manager/Date Construction Engineer/Date

Disposition: In accordance with Subcontract Section _____ Change Order _____
If you consider that the information contained herein does involve a change in price or project completion date, immediately notify the Subcontract Administrator. Do not proceed with work until the price or project completion date change has been approved by the subcontract Administrator.

THE SUBCONTRACTOR SHALL PROCEED AS RECOMMENDED

[Signature] 3/31/99
Construction Engineer/Date

[Signature] 4-5-99
Subcontract Administrator/Date

[Signature] 4/2/99
Subcontractor Representative/Date

To Be Completed By Construction Engineer/Project Manager

To Be Completed By Project Manager/Construction Engineer

To Be Completed By Subcontract Administrator

CONSTRUCTION INTERFACE DOCUMENT
(continued)

CHANGE ORDER COST PROPOSAL

1) MATERIAL COST AND LABOR MANHOURLY BREAKDOWN:

MATERIAL DESCRIPTION	UNIT OF MEASURE	QTY	UNIT COST	TOTAL COST
_____	_____	_____	\$ _____	\$ _____
_____	_____	_____	\$ _____	\$ _____
_____	_____	_____	\$ _____	\$ _____
TOTAL MATERIAL COST =				\$ _____

TOTAL LABOR MANHOURS = _____

2) EQUIPMENT BREAKDOWN

EQUIPMENT DESCRIPTION	HOURS	RATE	TOTAL AMOUNT
Mower, Sickle	24 x	11.50	= \$ 276.00
Pickup	2 x	6.25	= \$ 12.50
_____	x	=	\$ _____
TOTAL EQUIPMENT COST			\$ <u>288.50</u>

3) CRAFT: OFF-SITE FABRICATION YES NO

24 M/hrs	Labor	x \$ 34.53 M/hrs	= \$ 828.72
2 M/hrs	Super	x \$ 37.89 M/hrs	= \$ 75.78
_____ M/hrs	_____	x \$ _____ M/hrs	= \$ _____
26	TOTAL MANHOURS	TOTAL LABOR	\$ <u>904.50</u>

4) MATERIAL: (SEE SUBSECTION NO. 1 FOR BREAKDOWN)

5) EQUIPMENT: (SEE SUBSECTION NO. 2 FOR BREAKDOWN)

6) LABOR: (SEE SUBSECTION NO. 3 FOR BREAKDOWN)

7) TOTAL DIRECT COST (ITEMS 4 THRU 6)

8) INDIRECT COST AT 15% Profit

\$ 288.50
 \$ 904.50
 \$ 1,193.00
 \$ 143.16
 \$ 1,336.16
 \$ 300.42

9. TOTAL AMOUNT - 1,536.58
 10. TIME EXTENSION N/A CALENDAR DAYS

11) REFERENCE APPROVED CONSTRUCTION SCHEDULE:

REV. NO.	DATE	SHEETS NO.	
_____	_____	_____	
NODE NO(S)	CALENDAR DAY (S)	NODE NO(S)	CALENDAR DAYS(S)
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

EFFECT ON CRITICAL PATH AND JUSTIFICATION FOR TIME EXTENS:

[Signature] 4-2-99
 SUBCONTRACTOR REPRESENTATIVE DATE

APPROVED:
[Signature] 4/5/99
 CONSTRUCTION ENGINEER DATE

[Signature] 04/05/99
 PROJECT MANAGER



OU Number

2-13

CID Number

2-13-TRA-007

Field Problem

Date

4/6/99

Addressee

KELLY EBSEN/Parsons

Project Title/No.

Rem 4/13: WAG 2 CU-2-13

Subcontract No.

74449-T270-Sub-99

Originator/Company

J.A. LANDIS/Parsons

References: Drawings/Specifications/Documents

DWG # C-07 REV 1

Subject

6" OF ADDITIONAL TYPE "A" SOIL

Issue:

Per discussion in Const. Mtg. on 4/6/99, LMETCO PM directed Parsons to have Parsons place additional 6" of soil in the S.C.A. OF THE SLP. AREA

Recommended Solution: COST [] yes [] no SCHEDULE [] yes [] no

PLACE 6" OF TYPE "A" SOIL OVER THE REMAINING AREA INSIDE THE SOIL CONTAMINATION AREA AT THE SEWAGE LEACH POND. IN ADDITION, RE-SEED THE ENTIRE AREA TO FENCE LINE.

Solution:

Inspection Requirements:

N/A

Affected Document:

DWG # C-7

VENDOR DATA REQUIRED: [] YES [X] NO
REVISED VDS ATTACHED: [] YES [X] NO
SUBMIT UNDER VDS ITEM NO. N/A
QA REVIEW: [] YES [X] NO
ES&H REVIEW: [] YES [X] NO
WELD LAB REVIEW: [] YES [X] NO

Signature lines for QA, ES&H, and Weld Lab reviews.

Agree with Recommended Solution

Signature and date of Project Manager: 4/7/99

Signature and date of Construction Engineer: 4/6/99

Disposition: In accordance with Subcontract Section Change Order

If you consider that the information contained herein does involve a change in price or project completion date, immediately notify the Subcontract Administrator. Do not proceed with work until the price or project completion date change has been approved by the subcontract Administrator.

DIRECT SUBCONTRACTOR TO PROCEED AS RECOMMENDED

Signature and date of Construction Engineer: 4/7/99

Construction Engineer/Date

Signature and date of Subcontract Administrator

Subcontract Administrator/Date

Signature and date of Subcontractor Representative: 4-8-99

Subcontractor Representative/Date

To Be Completed By Construction Engineer/Project Manager

To Be Completed By Project Manager/Construction Engineer

To Be Completed By Subcontract Administrator

CONSTRUCTION INTERFACE DOCUMENT
(continued)

CHANGE ORDER COST PROPOSAL

1) MATERIAL COST AND LABOR MANHOUR BREAKDOWN:

MATERIAL DESCRIPTION	UNIT OF MEASURE	QTY	UNIT COST	TOTAL COST
Survey		1	\$1,000.00	
Seeding		2.5	\$750.00	\$1,875.00
TOTAL MATERIAL COST =				\$2,875.00

TOTAL LABOR MANHOURS = _____

2) EQUIPMENT BREAKDOWN

EQUIPMENT DESCRIPTION	HOURS	RATE	TOTAL AMOUNT
Tractor Scraper	44 x	75.00	\$3,300.00
Blade	20 x	35.93	718.60
Water Truck	20 x	27.41	548.20
Pick up	20 x	6.25	125.00
TOTAL EQUIPMENT COST			4,691.80

3) CRAFT: OFF-SITE FABRICATION YES NO

Offert M/hrs	84	X \$38.50 M/hrs	= \$3,240.72
Lab M/hrs	20	X \$34.50 M/hrs	= \$690.60
Water M/hrs	20	X \$37.80 M/hrs	= \$757.80
TOTAL MANHOURS		TOTAL LABOR	\$4,689.12

4) MATERIAL: (SEE SUBSECTION NO. 1 FOR BREAKDOWN)

5) EQUIPMENT: (SEE SUBSECTION NO. 2 FOR BREAKDOWN)

6) LABOR: (SEE SUBSECTION NO. 3 FOR BREAKDOWN)

7) TOTAL DIRECT COST (ITEMS 4 THRU 8)

Overhead 12%

8) INDIRECT COST AT _____ %

Profit 15%

\$2,875.00
\$4,691.80
\$4,689.12
\$12,255.92
\$1,470.71
\$13,726.63
\$2,058.99

9. TOTAL AMOUNT - \$15,785.62

10. TIME EXTENSION 0 CALENDAR DAYS

11) REFERENCE APPROVED CONSTRUCTION SCHEDULE:

REV. NO.	DATE	SHEETS NO.	
NODE NO(S)	CALENDAR DAY (S)	NODE NO(S)	CALENDAR DAYS(S)

EFFECT ON CRITICAL PATH AND JUSTIFICATION FOR TIME EXTENSION

Kelly Eborn for Lance Peterson 4,799
SUBCONTRACTOR REPRESENTATIVE DATE

APPROVED: [Signature] 4/7/99
CONSTRUCTION ENGINEER DATE

[Signature]
PROJECT MANAGER



OII Number 2-13 CID Number 2-13-TNA-008

Field Problem n/a Date 4/20/99

Address: KELLY ERSEN TRAVIS Project Title/No. TEA Remedial Action Work 2 Subcontract No. 7399-99-TJ70-5501-99

Originator/Company J.A. LANDIS/PARSONS References: Drawings/Specifications/Documents SPECIAL CONDITION 7

Subject POWER FOR SUBCONTRACTOR

Issue: POWER FOR the subcontractor WAS NOT ABLE to BE SUPPLIED PER SC-7

Recommended Solution: COST [x] yes [] no SCHEDULE [] yes [x] no
SUBCONTRACTOR SHALL supply GENERATOR FOR POWER to SUBCONTRACTOR TRAILER.

Solution: Inspection Requirements: N/A Affected Document: N/A

VENDOR DATA REQUIRED: [] YES [x] NO
REVISED VDS ATTACHED: [] YES [x] NO
SUBMIT UNDER VDS ITEM NO. N/A
QA REVIEW: [] YES [x] NO
ES&H REVIEW: [] YES [x] NO
WELD LAB REVIEW: [] YES [x] NO

Signature lines for QA, ES&H, and WELD LAB REVIEW.

AGREE WITH RECOMMENDED SOLUTION

Signature and Date of Project Manager: 04/20/99

Signature and Date of Construction Engineer: 4/20/99

Disposition: In accordance with Subcontract Section Change Order
If you consider that the information contained herein does involve a change in price or project completion date, immediately notify the Subcontract Administrator. Do not proceed with work until the price or project completion date change has been approved by the subcontract Administrator.

DIRECT SUBCONTRACTOR TO SUPPLY GENERATOR FOR A THE DURATION OF THE PROJECT.

Signature and Date of Construction Engineer: 4/20/99
Signature and Date of Subcontract Administrator: 5-18-99

Signature and Date of Subcontractor Representative: 5-13-99

To Be Completed By Construction Engineer/Project Manager

To Be Completed By Project Manager/Construction Engineer

To Be Completed By Subcontract Administrator

CONSTRUCTION INTERFACE DOCUMENT
(continued)

CHANGE ORDER COST PROPOSAL

1) MATERIAL COST AND LABOR MANHOUR BREAKDOWN:

MATERIAL DESCRIPTION	UNIT OF MEASURE	QTY	UNIT COST	TOTAL COST	MAN HOUR UNIT	TOTAL MAN HOURS
_____	_____	_____	\$ _____	\$ _____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____
TOTAL MATERIAL COST =				\$ _____		
TOTAL LABOR MANHOURS =						_____

9. TOTAL AMOUNT - \$ 982.00
 10. TIME EXTENSION 0 CALENDAR DAYS

11) REFERENCE APPROVED CONSTRUCTION SCHEDULE:

REV. NO.	DATE	SHEETS NO.	
_____	_____	_____	
NODE NO(S)	CALENDAR DAY (S)	NODE NO(S)	CALENDAR DAYS(S)
_____	_____	_____	_____
_____	_____	_____	_____

2) EQUIPMENT BREAKDOWN

EQUIPMENT DESCRIPTION	HOURS	RATE	TOTAL AMOUNT
<u>Generator</u>	<u>100</u> x	<u>\$ 8.54</u>	= \$ <u>854.00</u>
_____	X	_____	= \$ _____
_____	X	_____	= \$ _____
TOTAL EQUIPMENT COST			\$ <u>854.00</u>

EFFECT ON CRITICAL PATH AND JUSTIFICATION FOR TIME EXTENS

3) CRAFT: OFF-SITE FABRICATION ___ YES ___ NO

_____ M/hrs	X \$ _____	M/hrs = _____	\$ _____
_____ M/hrs	X \$ _____	M/hrs = _____	\$ _____
_____ M/hrs	X \$ _____	M/hrs = _____	\$ _____
TOTAL MANHOURS		TOTAL LABOR	\$ _____

[Signature] 5-13-99
 SUBCONTRACTOR REPRESENTATIVE DATE

APPROVED:
[Signature] 5-18-99
 CONSTRUCTION ENGINEER DATE

4) MATERIAL: (SEE SUBSECTION NO. 1 FOR BREAKDOWN)

\$ _____

5) EQUIPMENT: (SEE SUBSECTION NO. 2 FOR BREAKDOWN)

\$ 854.00

6) LABOR: (SEE SUBSECTION NO. 3 FOR BREAKDOWN)

\$ _____

7) TOTAL DIRECT COST (ITEMS 4 THRU 6)

\$ 854.00

8) INDIRECT COST AT 15 %

\$ 128.00

[Signature] 5/18/99
 PROJECT MANAGER DATE

Issue	CID Number
	2-13-FRA-009
Old Problem	Date
	5 24 99

Originator/Company	Project Title/No.	Subcontract No.
J Landis / Parsons	TRA 042-13 Wag Ra	734447-T270-583001

Originator/Company	References: Drawings/Specifications/Documents
K Egan / Phenix	

Subject: Government Supplied Dozer for WULP 57 Cell

Issue: Government unable to deliver Dozer

Recommended Solution: COST yes no SCHEDULE yes no
 Reimburse Phenix for delivery of Dozer

Inspection Requirements: N/A
 Affected Document: N/A

VENDOR DATA REQUIRED:	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Signature _____
REVISED VDS ATTACHED:	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Signature _____
SUBMIT UNDER VDS ITEM NO. <u>N/A</u>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Signature _____
QA REVIEW:	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Signature _____
ES&H REVIEW:	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Signature _____
WELD LAB REVIEW:	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Signature _____

AGREE WITH RECOMMENDED SOLUTION.

Diag. Please 6/9/99 J Landis 5/24/99
 Project Manager/Date Construction Engineer/Date

Disposition: In accordance with Subcontract Section III, item 12 Change Order _____
 If you consider that the information contained herein does involve a change in price or project completion date, immediately notify the Subcontract Administrator. Do not proceed with work until the price or project completion date change has been approved by the Subcontract Administrator.

Subcontractor shall proceed as recommended at the agreed to rate on this CID.

<u>J Landis 5/24/99</u> Construction Engineer/Date	<u>Richard Chen 6/9/99</u> Subcontract Administrator/Date	<u>A. Pat 6-11-99</u> Subcontractor Representative/Date
---	--	--

CONSTRUCTION INTERFACE DOCUMENT
(continued)

CHANGE ORDER COST PROPOSAL

See attached sheets 368.00

MATERIAL COST AND LABOR MANHOUR BREAKDOWN:

MATERIAL DESCRIPTION	UNIT OF MEASURE	QTY	UNIT COST	TOTAL COST	MAN HOUR UNIT	TOTAL MAN HOURS
_____	_____	_____	\$ _____	\$ _____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____

TOTAL MATERIAL COST = \$ _____

TOTAL LABOR MANHOURS = _____

EQUIPMENT BREAKDOWN:

EQUIPMENT DESCRIPTION	HOURS	RATE	TOTAL AMOUNT
_____	_____ X	\$ _____	\$ _____
_____	_____ X	\$ _____	\$ _____
_____	_____ X	\$ _____	\$ _____
_____	_____ X	\$ _____	\$ _____

TOTAL EQUIPMENT COST: \$ _____

CRAFT: OFF-SITE FABRICATION YES NO

_____ M/Hrs	_____ x	\$ _____ M/Hr	=	\$ _____
_____ M/Hrs	_____ x	\$ _____ M/Hr	=	\$ _____
_____ M/Hrs	_____ x	\$ _____ M/Hr	=	\$ _____
_____ M/Hrs	_____ x	\$ _____ M/Hr	=	\$ _____

_____ TOTAL MANHOURS TOTAL LABOR \$ _____

MATERIAL: (SEE SUBSECTION NO. 1 FOR BREAKDOWN) \$ _____

EQUIPMENT: (SEE SUBSECTION NO. 2 FOR BREAKDOWN) \$ _____

LABOR: (SEE SUBSECTION NO. 3 FOR BREAKDOWN) \$ _____

TOTAL DIRECT COST (ITEMS 4 THRU 6) \$ _____

INDIRECT COST AT _____ % \$ _____

9) TOTAL AMOUNT

10) TIME EXTENSION _____ CALENDAR DAYS

11) REFERENCE APPROVED CONSTRUCTION SCHEDULE:

REV. NO. _____ DATE _____ SHEET NO. _____

NODE NOS(S) _____ CALENDAR DAY(S) _____

EFFECT ON CRITICAL PATH AND JUSTIFICATION FOR TIME EXTENSION:

SUBMITTED BY:

SUBCONTRACTOR REPRESENTATIVE

6-11-99
DATE

APPROVED:

CONSTRUCTION ENGINEER

5/24/99
DATE

PROJECT MANAGER

6/9/99
DATE

REF NO	ITEM NO	ITEM DESCRIPTION	QUANTITY	UNIT	EQUIPMENT COST	LABOR COST	MATERIAL COST	EQUIPMENT COST	SUBCONTR COST	ITEM COST	UNIT COST	UNIT W/CHP	ITEM W/CHP	UNIT BID	TOTAL ITEM BID	DIFFERENCE	
	1	TRANSPORT	4	Hr													
EQUIPMENT					134												
LABOR						152											
MATERIAL							0										
EQUIPMENT								286									
SUBCONTR									0								
TOTAL COST										286	\$71.99		\$367.80		\$368.00	0	
TOTAL BID														\$92.00	\$368.00		
TOTAL DIFFERENCE																\$0	
EQUIPMENT COST					\$134												
LABOR COST						\$152											
MATERIAL COST							\$0										
EQUIPMENT COST								\$286									
SUBCONTR COST									\$0								
TOTAL RAW COST																	
SURVEY											\$0						
MOBILIZATION											0						
0 WEEKS SUPERVISION											0						
SALES TAX ON MATERIAL											0						
TOTAL RAW COST											\$286						
* OVERHEAD TWO SUBCONTRACTS									12.00%		34						
* PROFIT ON																	
OVERHEAD									15.00%		5						
MATERIALS									15.00%		0						
LABOR & EQUIPMENT COSTS									15.00%		43						
SUBCONTRACTORS COST									10.00%		0						
TOTAL PROFIT									16.80% OF COSTS		48						
* TOTAL WITH OVERHEAD & PROFIT											388						
* BOND COST									0.0%		0						
* TOTAL JOB COST											388						
TOTAL BID																	
TOTAL DIFFERENCE																\$0	

PHENIX

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT	MATERIAL	LABOR	EQUIP	RATE	AUNIT	=HOUR	RATE	COST	TOTALS
1.0	TRANSPORT	4.0	HR	TRANSPORT					4	33.50	134	EQUIPME
										0.00	0	
										0.00	0	
										0.00	0	LABOR
										0.00	0	152
										0.00	0	MATERIAL
										0.00	0	0
				LABOR						34.53	0	
				LABOR						36.58	0	
				OPERATOR					4	37.89	152	SUBCONTRA
				DRIVER						38.58	0	0
				SUPER							0	
				MATERIAL								ITEM COST
										0.00	0	Sub-
										0.00	0	Contract
										0.00	0	Cost (s)
										0.00	0	UNIT COST
												71.39

	Number <u>2-13</u>	CID Number <u>2-13-TRA-010</u>												
To Be Completed By Construction Engineer/Project Manager	Field Problem <u>N/A</u>	Date <u>5/25/99</u>												
	Addressee <u>Lance Peterson</u>	Project Title/No <u>TRA Remedial Action</u>												
	Originator/Company <u>Robert Oliver, Parsons</u>	Subcontract No <u>734449-53001-99</u>												
	Subject <u>Gravel</u>	References: Drawings/Specifications/Documents <u>Attachment 2, Tech Spec, para 2.1.5 Gravel</u>												
	Issue: <u>Change gravel percent passing to:</u>													
	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:30%;"><u>3/4 inch</u></td> <td style="width:30%;"><u>95-100</u></td> <td style="width:40%;"></td> </tr> <tr> <td><u>1/2 inch</u></td> <td><u>70-100</u></td> <td></td> </tr> <tr> <td><u>3/8 inch</u></td> <td><u>25-70</u></td> <td></td> </tr> <tr> <td><u>No. 4</u></td> <td><u>0-15</u></td> <td></td> </tr> </table>		<u>3/4 inch</u>	<u>95-100</u>		<u>1/2 inch</u>	<u>70-100</u>		<u>3/8 inch</u>	<u>25-70</u>		<u>No. 4</u>	<u>0-15</u>	
<u>3/4 inch</u>	<u>95-100</u>													
<u>1/2 inch</u>	<u>70-100</u>													
<u>3/8 inch</u>	<u>25-70</u>													
<u>No. 4</u>	<u>0-15</u>													
	Recommended Solution: COST <input type="checkbox"/> yes <input checked="" type="checkbox"/> no SCHEDULE <input type="checkbox"/> yes <input checked="" type="checkbox"/> no <u>Incorporate changes into the specifications</u>													
To Be Completed by Project Manager/Const. Engineer	Solution:													
	Inspection Requirements Affected Document: _____													
	VENDOR DATA REQUIRED: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> REVISED VDS ATTACHED: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> SUBMIT UNDER VDS ITEM NO. _____ QA REVIEW: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> ES&H REVIEW: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> WELD LAB REVIEW: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	Signature <u>[Signature]</u> <u>6-3-99</u> Signature _____ Signature _____												
	<u>As Recommended</u>													
	<u>[Signature]</u> <u>6/3/99</u>	<u>[Signature]</u> <u>6/3/99</u>												
	Project Manager/ Date	Construction Engineer/Date												
To Be Completed By Subcontract Administrator	Disposition: In accordance with Subcontract Section <u>11.1</u> <u>Item 12</u> Change Order.													
	If you consider that the information contained herein does involve a change in price or project completion date, immediately notify the Subcontract Administrator. Do not proceed with work until the price or project completion date change has been approved by the subcontract Administrator.													
	<u>Change incorporated into subcontract, Attachment 2 Technical Specifications, page B-13, paragraph 2.1.5 Gravel</u>													
	<u>[Signature]</u> <u>6/9/99</u>	<u>[Signature]</u> <u>6-9-99</u>												
	Construction Engineer/Date	Subcontract Administrator/Date												

CONSTRUCTION INTERFACE DOCUMENT
(continued)

CHANGE ORDER COST PROPOSAL

1) MATERIAL COST AND LABOR MANHOUR BREAKDOWN:

MATERIAL DESCRIPTION	UNIT OF MEASURE	QTY	UNIT COST	TOTAL COST	MAN HOUR UNIT	TOTAL MAN HOURS
_____	_____	_____	\$ _____	\$ _____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____
TOTAL MATERIAL COST =				\$ _____		
TOTAL LABOR MANHOURS =					_____	

9) TOTAL AMOUNT _____
10) TIME EXTENSION _____ CALENDAR DAYS

11) REFERENCE APPROVED CONSTRUCTION SCHEDULE:

REV. NO.	DATE	SHEETS NO.	
_____	_____	_____	
NODE NO(S)	CALENDAR DAY (S)	NODE NO(S)	CALENDAR DAYS(S)
_____	_____	_____	_____

2) EQUIPMENT BREAKDOWN

EQUIPMENT DESCRIPTION	HOURS	RATE	TOTAL AMOUNT
_____	X _____	\$ _____	\$ _____
_____	X _____	\$ _____	\$ _____
_____	X _____	\$ _____	\$ _____
TOTAL EQUIPMENT COST			\$ _____

EFFECT ON CRITICAL PATH AND JUSTIFICATION FOR TIME EXTENSION:

3) CRAFT: OFF-SITE FABRICATION YES NO

_____ M/hrs	X \$ _____	M/hrs = \$ _____
_____ M/hrs	X \$ _____	M/hrs = \$ _____
_____ M/hrs	X \$ _____	M/hrs = \$ _____
TOTAL MANHOURS	TOTAL LABOR	\$ _____

[Signature] 6-9-98
SUBCONTRACTOR REPRESENTATIVE DATE
APPROVED:
[Signature] 6/9/99
CONSTRUCTION ENGINEER DATE

- 4) MATERIAL: (SEE SUBSECTION NO. 1 FOR BREAKDOWN) \$ _____
- 5) EQUIPMENT: (SEE SUBSECTION NO. 2 FOR BREAKDOWN) \$ _____
- 6) LABOR: (SEE SUBSECTION NO. 3 FOR BREAKDOWN) \$ _____
- 7) TOTAL DIRECT COST (ITEMS 4 THRU 6) + A28 \$ _____
- 8.) INDIRECT COST AT _____ % \$ _____

[Signature] 6/9/99
PROJECT MANAGER DATE

<u>Nominal Square Opening Sieve Size</u>	<u>- Percent Passing</u>
3/4 inch	95-100
1/2 inch	70-100
3/8 inch	25-70
No. 4	0-15

The Subcontractor's equipment shall be adequate for and have the capability to perform the indicated earthwork specified herein.

Due to the potential for equipment contamination, all equipment brought to the shall be identified to the Contractor prior to delivery and shall be clean and free of grease and oil spots. Where applicable, tires shall be in a like-new condition, free of slits, and cracks. The Contractor reserves the right to reject equipment not meeting these requirements.

2.1.2 Fill Material

Fill material shall be native soils from borrow locations as designated on the drawings and shall be generally free of plant material, roots larger than 1 inch in diameter, rubble, litter, insect infestation, and other deleterious matter.

2.1.3 Borrow Area Requirements

In the CFA pit, in situ topsoil shall be removed and stockpiled at designated locations prior to the removal of borrow soils. This topsoil is not available for this project.

In all borrow areas, slopes shall be left in a stable and vegetated condition.

2.1.4 Topsoil

Topsoil borrow shall be obtained from Borrow Area TRA 10 and shall meet the following requirements:

- (a) Be free of rubble, litter, insect infestation, and other deleterious matter;
- (b) Be free of rocks larger than 3 inches in diameter.

2.1.5 Gravel

The gravel shall be obtained from an on-site source as designated on the drawings and shall be a mixture of clean coarse sands and fine gravel with the following gradation, determined in accordance with ASTM D422:

<u>Nominal Square Opening Sieve Size</u>	<u>Percent Passing</u>
3/4 inch	95-100
1/2 inch	70-95
3/8 inch	25-50
No. 4	0-15

2.1.6 Cobble

The Subcontractor shall provide cobble material from an off-site location(s) to conform with the following gradation, as determined by ASTM C 136:

OU Number 2-13	CID Number 2-13-TRA-011
Field Problem	Date 5/25/99
Address KELLY EBORN / PHENIX	Project Title/No. REMEDIATION ACTION WAG 2 CW2-13
Originator/Company JODY LANDIS / PARSONS	Subcontract No. 73449-T270-53201-99
Subject STORMWATER DRAINAGE DITCH	References: Drawings/Specifications/Documents N/A
<p>Issue:</p> <p>500' OF DRAINAGE DITCH NEEDS TO BE CONSTRUCTED AROUND THE NORTHWEST CORNER OF TRA. ALSO 5 CULVERTS NEED CLEANED OUT.</p>	
<p>Recommended Solution: COST <input checked="" type="checkbox"/> yes <input type="checkbox"/> no SCHEDULE <input type="checkbox"/> yes <input checked="" type="checkbox"/> no</p> <p>INSTALL APPROXIMATELY 500' OF DRAINAGE DITCH AND CLEAN OUT 5 CULVERTS.</p>	
<p>Solution: Inspection Requirements: <u>N/A</u> Affected Document: <u>N/A</u></p> <p>VENDOR DATA REQUIRED: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO REVISED VDS ATTACHED: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO SUBMIT UNDER VDS ITEM NO. <u>N/A</u> QA REVIEW: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO ES&H REVIEW: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO WELD LAB REVIEW: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p> <p style="text-align: right;">Signature _____ Signature _____ Signature _____</p> <p>AGREE WITH RECOMMENDED SOLUTION</p> <p style="text-align: center;"><i>[Signature]</i> <u>6/2/99</u> <i>[Signature]</i> <u>5/25/99</u> Project Manager/Date Construction Engineer/Date</p>	
<p>Disposition: In accordance with Subcontract Section <u>IV, Item 12</u> Change Order _____</p> <p>If you consider that the information contained herein does involve a change in price or project completion date, immediately notify the Subcontract Administrator. Do not proceed with work until the price or project completion date change has been approved by the subcontract Administrator.</p> <p>Subcontractor shall proceed on agreed to recommendation at the cost provided.</p> <p>Signed Per Telcom - Jody Landis <u>6/3/99</u> Construction Engineer/Date</p> <p><i>[Signature]</i> <u>6-9-99</u> Subcontract Administrator/Date Subcontractor Representative/Date</p>	

To Be Completed By Construction Engineer/Project Manager

To Be Completed By Project Manager/Construction Engineer

To Be Completed By Subcontract Administrator

CONSTRUCTION INTERFACE DOCUMENT
(continued)

CHANGE ORDER COST PROPOSAL

1) MATERIAL COST AND LABOR MANHOURL BREAKDOWN:

MATERIAL DESCRIPTION	UNIT OF MEASURE	QTY	UNIT COST	TOTAL COST	MAN HOUR UNIT	TOTAL MAN HOURS
_____	_____	_____	\$ _____	\$ _____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____
TOTAL MATERIAL COST =				\$ _____		

TOTAL LABOR MANHOURS = _____

2) EQUIPMENT BREAKDOWN

EQUIPMENT DESCRIPTION	HOURS	RATE	TOTAL AMOUNT
_____	X _____	= \$ _____	\$ _____
_____	X _____	= \$ _____	\$ _____
_____	X _____	= \$ _____	\$ _____

TOTAL EQUIPMENT COST _____

3) CRAFT: OFF-SITE FABRICATION YES NO

_____ M/hrs	X	\$ _____ M/hrs	= \$ _____
_____ M/hrs	X	\$ _____ M/hrs	= \$ _____
_____ M/hrs	X	\$ _____ M/hrs	= \$ _____
TOTAL MANHOURS		TOTAL LABOR	\$ _____

See attached sheets 9. TOTAL AMOUNT - 3,800

10. TIME EXTENSION _____ CALENDAR DAYS

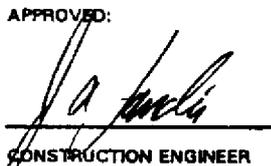
11) REFERENCE APPROVED CONSTRUCTION SCHEDULE:

REV. NO.	DATE	SHEETS NO.	
_____	_____	_____	
NODE NO(S)	CALENDAR DAY (S)	NODE NO(S)	CALENDAR DAYS(S)
_____	_____	_____	_____
_____	_____	_____	_____

EFFECT ON CRITICAL PATH AND JUSTIFICATION FOR TIME EXTENSION:



 SUBCONTRACTOR REPRESENTATIVE 5-26-99
 DATE

APPROVED:


 CONSTRUCTION ENGINEER 6/9/99
 DATE

4) MATERIAL: (SEE SUBSECTION NO. 1 FOR BREAKDOWN)

5) EQUIPMENT: (SEE SUBSECTION NO. 2 FOR BREAKDOWN)

6) LABOR: (SEE SUBSECTION NO. 3 FOR BREAKDOWN)

7) TOTAL DIRECT COST (ITEMS 4 THRU 6)

8) INDIRECT COST AT _____ %



 PROJECT MANAGER 6/9/99
 DATE

PHENIX

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT	MATERIAL	LABOR	EQUIP	RATE	UNIT	#HOU	RATE	COST	TOTALS
1.0	DRAINAGE DITCH	1.0	LS	EQUIPMENT					5	35.93	180	EQUIPMENT
				BLADE					10	25.72	257	531
				LOADER					5	12.80	63	
				BACKHOE					5	6.25	31	LABOR
				PICKUP						0.00	0	1,310
										0.00	0	
										0.00	0	MATERIAL
										0.00	0	0
				LABOR					10	34.53	345	
				LABOR					20	38.58	772	SUBCONTRA
				OPERATOR						37.89	0	0
				DRIVER					5	38.58	193	
				SUPER								ITEM COST
				MATERIAL								1,841
									0	Sub-	0	
									0	Contract	0	
									0	Cost (s)	0	UNIT COST
									0	++++++	0	1840.98

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT	MATERIAL	LABOR	EQUIP	RATE	UNIT	#HOU	RATE	COST	TOTALS
2.0	CLEAN CULVERT ENDS	5.0	EA	EQUIPMENT					10	12.80	128	EQUIPMENT
				BACKHOE					5	6.25	31	157
				PICKUP						0.00	0	
										0.00	0	LABOR
										0.00	0	924
										0.00	0	
										0.00	0	MATERIAL
										0.00	0	0
				LABOR					10	34.53	345	
				LABOR					10	38.58	386	SUBCONTRA
				OPERATOR						37.89	0	0
				DRIVER					5	38.58	193	
				SUPER								ITEM COST
				MATERIAL								1,081
									0	Sub-	0	
									0	Contract	0	
									0	Cost (s)	0	UNIT COST
									0	++++++	0	216.28

REF NO.	ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT	EQUIPMENT COST	LABOR COST	MATERIAL COST	EQUIP/MAINT COST	SUBCONTR COST	ITEM COST	UNIT W/OHP	ITEM W/OHP	UNIT BID	TOTAL ITEM BID	± DIFFERENCE	
	1	1 DITCH	1 LB		531	1310	0	1,841	0	1,841	\$1,840.98	\$2,371.19	\$2,400.00	\$2,400.00	29	
	2	2 CLEAN CULVERT ENDS	6 EA		157	824	0	1,081	0	1,081	\$218.28	\$278.64 EA	\$1,392.72	\$200.00	\$1,400.00	7
EQUIPMENT					TOTAL HOURS											
					EQUIPMENT COST	LABOR COST	MATERIAL COST	EQUIP/MAINT COST	SUBCONTR COST	TOTAL	TOTAL W/OHP	\$3,764	TOTAL BID	\$3,800	TOTAL DIFFERENCE	\$36
					\$846	\$2,234	\$0	\$2,922	\$0	\$2,922						
					SURVEY MOBILIZATION 0 WEEKS SUPERVISION @ 1200 SALES TAX ON MATERIAL 5.00% TOTAL RAW COST \$2,922 * OVERHEAD W/O SUBCONTRACTS @ 12.00% 351 * PROFIT ON: 18.00% OVERHEAD @ 53 MATERIAL @ 0 LABOR & EQUIPMENT COSTS @ 18.00% 438 SUBCONTRACTORS COST @ 10.00% 0 TOTAL PROFIT @ 18.80% OF COSTS 481 * TOTAL WITH OVERHEAD & PROFIT 3,764 * BOND COST @ 0.00% 0 * TOTAL JOB COST \$3,764											

CID # 2-13-TRA-01

IN-HOUSE ESTIMATE

TRAPOND (99-270-001)
Worksheet: CID-00X - CID-XXX Dig Drainage Ditch

Worksheet Header

Quantity: 500.00 Unit: LF Estimator: JCG Revision:

Start Date: End Date:

Work Codes

Formula Variables Notes

Global Variables
BIDTOTALS 0.000

Line Resource	Description	Quantity	Unit	Manhours	Labor	Material	Equipment	Supplies	Overhead	(Not Used)	(Not Used)	(Not Used)	Total Cost
3.00	EQ98E0930 Case 590 Loader/Trac	40.00	HRS				1,212.40 30.31						1,212.40 30.31
4.00	LAB8L1206 Operator FEL to 4cy	40.00	HRS	40.00	1,213.60 30.34								1,213.60 30.34
5.00	LAB8L1103 Gen Labor	40.00	HRS	40.00	1,085.60 27.14								1,085.60 27.14
6.00	Crew Subtotal from	40.00	Hrs	80.00	2,298.20 57.48		1,212.40 30.31						3,511.6
7.00	ST&S at 3%		%					68.98					68.98
Sheet Totals		500.00	LF	80.00	2,298.20		1,212.40	68.98					3,580.5

D-37

CONTRACTOR OH & PROFIT 20%

TOTAL FOR CID

1015

\$ 4655

PER TEL CON W/ JODY 6-2-99 JCG

ALL WORK CAN BE DONE WITH A
LOADER/HOE COMBO. THERE IS NO MAT.
TO HAUL AWAY, IT CAN ALL BE SPOILED VER-
NEAR.



OU Number 2-13 CID Number 2-13-TRA-012

Field Problem Date 5/25/99

Addressee KELLY EBORN/PHOENIX Project Title/No. REMEDIAL ACTION WAG 2 OU 2-13 Subcontract No. 734449-T270-SS001-99

Originator/Company JODY LANDIS PARSONS References: Drawings/Specifications/Documents N/A

Subject SEWAGE LEACH POND FENCE POSTS

Issue: FENCE POSTS AROUND SCA/UR W/FF SLP NEED TO BE REMOVED.

Recommended Solution: COST [x] yes [] no SCHEDULE [] yes [x] no REMOVE FENCE POSTS. (LEAVE POSTS WITH RAD. SIGNS)

Solution: Inspection Requirements: N/A Affected Document:

VENDOR DATA REQUIRED: [] YES [x] NO REVISED VDS ATTACHED: [] YES [x] NO SUBMIT UNDER VDS ITEM NO. N/A QA REVIEW: [] YES [x] NO ES&H REVIEW: [] YES [x] NO WELD LAB REVIEW: [] YES [x] NO

Agree with Recommended Solution

Project Manager/Date [Signature] 6/2/99 Construction Engineer/Date [Signature] 5/25/99

Disposition: In accordance with Subcontract Section IV, Item 12 Change Order. If you consider that the information contained herein does involve a change in price or project completion date, immediately notify the Subcontract Administrator. Do not proceed with work until the price or project completion date change has been approved by the subcontract Administrator.

Subcontractor shall proceed based on recommended solution at cost provided.

Signed Per Telecom - Jody Landis 6/3/99 Construction Engineer/Date

Subcontract Administrator/Date [Signature] 6/3/99

Subcontractor Representative/Date [Signature] 6-9-99

To Be Completed By Construction Engineer/Project Manager

To Be Completed By Project Manager/Construction Engineer

Noted By Subcontract Administrator

CONSTRUCTION INTERFACE DOCUMENT
(continued)

CHANGE ORDER COST PROPOSAL

1) MATERIAL COST AND LABOR MANHOUR BREAKDOWN:

MATERIAL DESCRIPTION	UNIT OF MEASURE	QTY	UNIT COST	TOTAL COST	MAN HOUR UNIT	TOTAL MAN HOURS
_____	_____	_____	\$ _____	\$ _____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____
TOTAL MATERIAL COST =				\$ _____		

TOTAL LABOR MANHOURS = _____

2) EQUIPMENT BREAKDOWN

EQUIPMENT DESCRIPTION	HOURS	RATE	TOTAL AMOUNT
_____	X	_____	= \$ _____
_____	X	_____	= \$ _____
_____	X	_____	= \$ _____
TOTAL EQUIPMENT COST			_____

3) CRAFT: OFF-SITE FABRICATION ___ YES ___ NO

_____ M/hrs	X	\$ _____	M/hrs =	\$ _____
_____ M/hrs	X	\$ _____	M/hrs =	\$ _____
_____ M/hrs	X	\$ _____	M/hrs =	\$ _____
TOTAL MANHOURS		TOTAL LABOR	\$	_____

4) MATERIAL: (SEE SUBSECTION NO. 1 FOR BREAKDOWN) _____

5) EQUIPMENT: (SEE SUBSECTION NO. 2 FOR BREAKDOWN) _____

6) LABOR: (SEE SUBSECTION NO. 3 FOR BREAKDOWN) _____

7) TOTAL DIRECT COST (ITEMS 4 THRU 8) _____

8) INDIRECT COST AT _____ % _____

see attached sheets

9. TOTAL AMOUNT - 1,710

10. TIME EXTENSION _____ CALENDAR DAYS

11) REFERENCE APPROVED CONSTRUCTION SCHEDULE:

REV. NO.	DATE	SHEETS NO.	
_____	_____	_____	
NODE NO(S)	CALENDAR DAY (S)	NODE NO(S)	CALENDAR DAYS(S)
_____	_____	_____	_____
_____	_____	_____	_____

EFFECT ON CRITICAL PATH AND JUSTIFICATION FOR TIME EXTENSION:

[Signature] 5-26-99
SUBCONTRACTOR REPRESENTATIVE DATE

APPROVED:
[Signature] 6/9/99
CONSTRUCTION ENGINEER DATE

[Signature] 6/9/99
PROJECT MANAGER DATE

PHENDX

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT	MATERIAL	LABOR	EQUIP	RATE	UNIT	#HOU	RATE	COST	TOTALS
1.0	REMOVE FENCE POSTS	1,710.0	LF	EQUIPMENT					10	12.80	128	EQUIPMENT
				BACKHOE					10	6.25	63	189
				PICKUP						0.00	0	
										0.00	0	LABOR
										0.00	0	1,117
										0.00	0	MATERIAL
										0.00	0	0
				LABOR					10	34.53	345	
				LABOR					10	38.58	386	SUBCONTRA
				OPERATOR					0	37.89	0	0
				DRIVER					10	38.58	386	
				SUPER								
				MATERIAL								ITEM COST
					COST/UNI	UNITS		AMOU		Sub-	0	1,305
					0.00			0		Contract	0	
					0.00			0		Cost (s)	0	
					0.00			0	-----		0	UNIT COST
												0.76

REF NO	ITEM NO	ITEM DESCRIPTION	QUANTITY	UNIT	EQUIPMENT COST	LABOR COST	MATERIAL COST	EQUIPMENT MAINT COST	SUBCONTR COST	ITEM COST	UNIT COST	UNIT WHC/P	ITEM WHC/P	UNIT BRD	TOTAL ITEM BRD	% DIFFERENCE
	1	REMOVE FENCE POSTS	1710	LF		1117	0	1,305	0	1,305	\$0.76	\$0.96	\$1,681.44	\$1.00	\$1,710.00	29

EQUIPMENT											TOTAL HOURS		TOTAL		TOTAL DIFFERENCE	
EQUIPMENT COST	LABOR COST	MATERIAL COST	EQUIPMENT MAINT COST	SUBCONTR COST	ITEM COST	UNIT COST	UNIT WHC/P	ITEM WHC/P	UNIT BRD	TOTAL ITEM BRD	% DIFFERENCE					
\$188	\$1,117	\$0	\$1,305	\$0	\$1,305	\$1,305	TOTAL WHC/P	\$1,681	TOTAL BRD	\$1,710	\$29					
SURVEY MOBILIZATION 0 WEEKS SUPERVISION @ 1200 SALES TAX ON MATERIAL 5.00% TOTAL RAW COST \$1,305											107	OH% of EQ + LABOR 13.8%				
* OVERHEAD W/O SUBCONTRACTS @ 12.00% * PROFIT ON OVERHEAD @ 15.00% MATERIALS @ 15.00% LABOR & EQUIPMENT COSTS @ 15.00% SUBCONTRACTORS COST @ 10.00% TOTAL PROFIT @ 16.80% OF COSTS											23					
* TOTAL WITH OVERHEAD & PROFIT * BOND COST @ 0.0%											1,581					
* TOTAL JOB COST											\$1,681					

Order Number	CID Number <u>2-13-TRA-013</u>
Order Problem <u>5</u>	Date <u>6.8.99</u>

Issue <u>J Landis Parsons</u>	Project Title/No. <u>TBA042-13 RA</u>	Subcontract No. <u>734449-T270-SC3001</u>
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Originator/Company <u>KEbon Phoenix</u>	References: Drawings/Specifications/Documents <u>Drawing C-15 section B C-15</u>
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Subject Survey Monument Gaurd posts

Issue: Brass Corner Marker Gaurd posts are not painted

Recommended Solution: COST yes no SCHEDULE yes no

Reimburse Phoenix for painting post's

Inspection Requirements: N/A
 Affected Document: N/A

VENDOR DATA REQUIRED:	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Signature _____
REVISED VDS ATTACHED:	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Signature _____
SUBMIT UNDER VDS ITEM NO. <u>N/A</u>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Signature _____
QA REVIEW:	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Signature _____
ES&H REVIEW:	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Signature _____
WELD LAB REVIEW:	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Signature _____

AGREE WITH RECOMMENDED SOLUTION

[Signature] 6/9/99 J. A. Landis 6/9/99
 Project Manager/Date Construction Engineer/Date

Disposition: In accordance with Subcontract Section IV, Item 12 Change Order _____
 If you consider that the information contained herein does involve a change in price or project completion date, immediately notify the Subcontract Administrator. Do not proceed with work until the price or project completion date change has been approved by the Subcontract Administrator.

Subcontractor shall proceed as recommended at the agreed to price on this CID.

J. A. Landis 6/9/99
 Construction Engineer/Date
Rahmet Ali 6/9/99
 Subcontract Administrator/Date

[Signature] 6-9-99
 Subcontractor Representative/Date

CONSTRUCTION INTERFACE DOCUMENT
(continued)

CHANGE ORDER COST PROPOSAL

See attached Sheets

1071.00

MATERIAL COST AND LABOR MANHOUR BREAKDOWN:

MATERIAL DESCRIPTION	UNIT OF MEASURE	QTY	UNIT COST	TOTAL COST	MAN HOUR UNIT	TOTAL MAN HOURS
_____	_____	_____	\$ _____	\$ _____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____

TOTAL MATERIAL COST = \$ _____

TOTAL LABOR MANHOURS = _____

EQUIPMENT BREAKDOWN:

EQUIPMENT DESCRIPTION	HOURS	RATE	TOTAL AMOUNT
_____	_____ X	\$ _____ =	\$ _____
_____	_____ X	\$ _____ =	\$ _____
_____	_____ X	\$ _____ =	\$ _____
_____	_____ X	\$ _____ =	\$ _____

TOTAL EQUIPMENT COST: \$ _____

CRAFT: OFF-SITE FABRICATION YES NO

_____ M/Hrs	_____ x	\$ _____ M/Hr =	\$ _____
_____ M/Hrs	_____ x	\$ _____ M/Hr =	\$ _____
_____ M/Hrs	_____ x	\$ _____ M/Hr =	\$ _____
_____ M/Hrs	_____ x	\$ _____ M/Hr =	\$ _____

_____ TOTAL MANHOURS TOTAL LABOR \$ _____

MATERIAL: (SEE SUBSECTION NO. 1 FOR BREAKDOWN) \$ _____

EQUIPMENT: (SEE SUBSECTION NO. 2 FOR BREAKDOWN) \$ _____

LABOR: (SEE SUBSECTION NO. 3 FOR BREAKDOWN) \$ _____

TOTAL DIRECT COST (ITEMS 4 THRU 8) \$ _____

INDIRECT COST AT _____ % \$ _____

9) TOTAL AMOUNT _____

10) TIME EXTENSION _____ CALENDAR DAYS

11) REFERENCE APPROVED CONSTRUCTION SCHEDULE:

REV. NO. _____ DATE _____ SHEET NO. _____

NODE NOS(S) _____ CALENDAR DAY(S) _____

EFFECT ON CRITICAL PATH AND JUSTIFICATION FOR TIME EXTENSION:

SUBMITTED BY: *[Signature]* 6-9-99
SUBCONTRACTOR REPRESENTATIVE DATE

APPROVED: *[Signature]* 6-9-99
CONSTRUCTION ENGINEER DATE

[Signature] 6-9-99
PROJECT MANAGER DATE

PHENIX

REF. NO.	ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT	EQUIPMENT COST	LABOR COST	MATERIAL COST	MATERIAL EQ/LABOR COST	SUBCONTR COST	ITEM COST	UNIT COST	UNIT W/OHP	ITEM W/OHP	UNIT BID	TOTAL ITEM BID	± DIFFERENCE	
	1	0 PAINT GUARD POST	51 EA		0	691	120	611	0	811	\$16.89	\$20.82	\$1,051.79	\$21.00	\$1,071.00	19	
EQUIPMENT																	
TOTAL HOURS																	
LABOR																	
TOTAL HOURS																	
TOTAL RAW COST					\$0	\$691	\$120	\$611	\$0	\$811	\$811						
SURVEY											\$0						
MOBILIZATION											0						
WEEKS SUPERVISION									1200		0						
SALES TAX ON MATERIAL									5.00%		6						
TOTAL RAW COST											\$817						
* OVERHEAD W/O SUBCONTRACTS									12.00%		96						
* PROFIT ON OVERHEAD									15.00%		16						
MATERIALS									15.00%		16						
LABOR & EQUIPMENT COSTS									15.00%		104						
SUBCONTRACTORS COST									10.00%		0						
TOTAL PROFIT									16.80% OF COSTS		137						
* TOTAL WITH OVERHEAD & PROFIT									0.0%		1,062						
* BOND COST											0						
* TOTAL JOB COST											\$1,062						
TOTAL W/OHP											\$1,052						
TOTAL BID											\$1,071						
TOTAL DIFFERENCE											\$19						

GU Number <u>2-13</u>	CID Number <u>2-13-TRA-014</u>				
Field Problem <u>N/A</u>	Date <u>5/25/99</u>				
Addressee <u>KELLY EISEN/PHOENIX</u>	Project Title/No. <u>REMEDIATION ACTION WASTE GU 2-13</u>				
Originator/Company <u>JODY LANDIS/PARSONS</u>	Subcontract No. <u>734449-T270-53001-99</u>				
Subject <u>DEBRIS IN RIPRAP AREA</u>	Reference: Drawings/Specifications/Documents <u>N/A</u>				
Issue: <p style="font-size: 1.2em;">CONCRETE DEBRIS WAS DUMPED IN THE RIPRAP AREA NORTHWEST OF TEA.</p>					
Recommended Solution: COST <input checked="" type="checkbox"/> yes <input type="checkbox"/> no SCHEDULE <input type="checkbox"/> yes <input checked="" type="checkbox"/> no <p style="font-size: 1.2em; text-align: center;">REMOVE DEBRIS AND DELIVER TO CFA BULKY WASTE LANDFILL!</p>					
Solution: Inspection Requirements: <u>N/A</u> Attached Documents: <u>N/A</u>	<table border="0" style="width:100%;"> <tr> <td style="width:50%;"> VENDOR DATA REQUIRED: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO REVISED VOS ATTACHED: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO SUSANT UNDER VOS ITEM NO. <u>N/A</u> </td> <td style="width:50%;"> Signature _____ Signature _____ Signature _____ </td> </tr> <tr> <td style="width:50%;"> QA REVIEW: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO ISAH REVIEW: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO WELD LAB REVIEW: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO </td> <td style="width:50%;"></td> </tr> </table> <p style="font-size: 1.2em; text-align: center;">Agree with Recommended Solution</p>	VENDOR DATA REQUIRED: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO REVISED VOS ATTACHED: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO SUSANT UNDER VOS ITEM NO. <u>N/A</u>	Signature _____ Signature _____ Signature _____	QA REVIEW: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO ISAH REVIEW: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO WELD LAB REVIEW: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
VENDOR DATA REQUIRED: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO REVISED VOS ATTACHED: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO SUSANT UNDER VOS ITEM NO. <u>N/A</u>	Signature _____ Signature _____ Signature _____				
QA REVIEW: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO ISAH REVIEW: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO WELD LAB REVIEW: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO					
Disposition: In accordance with Subcontract Section <u>12.14-12</u> Change Order	If you consider that the information contained herein does involve a change in price or project completion date, immediately notify the Subcontract Administrator. Do not proceed with work until the price or project completion date change has been approved by the subcontract Administrator.				
Direct subcontractor to proceed as recommended at the cost provided.	<p style="font-size: 1.5em; text-align: center;"> <u>6/9/99</u> <u>6/25/99</u> Project Manager/Date Construction Engineer/Date </p>				
Construction Engineer/Date <u>Kelly Eisen</u> <u>6/9/99</u>	Subcontractor Representative/Date <u>[Signature]</u> <u>6-7-99</u>				

To Be Completed By Construction Engineer/Project Manager

To Be Completed By Project Manager/Construction Engineer

To Be Completed By Subcontract Administrator

CONSTRUCTION INTERFACE DOCUMENT

(continued)

CHANGE ORDER COST PROPOSAL

1) MATERIAL COST AND LABOR MANHOUR BREAKDOWN:

MATERIAL DESCRIPTION	UNIT OF MEASURE	QTY	UNIT COST	TOTAL COST	MAN HOUR UNIT	TOTAL MAN HOURS
_____	_____	_____	\$ _____	\$ _____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____
TOTAL MATERIAL COST =				\$ _____		
TOTAL LABOR MANHOURS =					_____	

2) EQUIPMENT BREAKDOWN:

EQUIPMENT DESCRIPTION	HOURS	RATE	TOTAL AMOUNT
_____	_____	\$ _____	\$ _____
_____	X	\$ _____	\$ _____
_____	X	\$ _____	\$ _____
TOTAL EQUIPMENT COST			\$ _____

3) CRAFT: OFF-SITE FABRICATION YES NO

Mhrs	X	\$ _____	Mhrs =	\$ _____
Mhrs	X	\$ _____	Mhrs =	\$ _____
Mhrs	X	\$ _____	Mhrs =	\$ _____
TOTAL MANHOURS		TOTAL LABOR	\$ _____	

- 4) MATERIAL: (SEE SUBSECTION NO.1 FOR BREAKDOWN) \$ _____
- 5) EQUIPMENT: (SEE SUBSECTION NO.2 FOR BREAKDOWN) \$ _____
- 6) LABOR: (SEE SUBSECTION NO.3 FOR BREAKDOWN) \$ _____
- 7) TOTAL DIRECT COST (ITEMS 4 THRU 6) \$ _____
- 8) INDIRECT COST AT _____ % \$ _____

9) TOTAL AMOUNT:

OR \$11,550⁰⁰
 15C.Y. 52m End Dump 150⁰⁰ A 100
 10C.Y. Dump truck 100⁰⁰ A 100
 (Loaded)

10) TIME EXTENSION _____ **CALENDAR DAYS**

11) REFERENCE APPROVED CONSTRUCTION SCHEDULE:

REV. NO.	DATE	SHEET NO.	
_____	_____	_____	
NODE NO.(S)	CALENDAR DAY(S)	NODE NO.(S)	CALENDAR DAY(S)
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

EFFECT ON CRITICAL PATH AND JUSTIFICATION FOR TIME EXTENSION:

[Signature] 6-7-99 Revised from 5-26-99

SUBCONTRACTOR REPRESENTATIVE

DATE

APPROVED.

[Signature] 6/9/99

CONSTRUCTION ENGINEER

DATE

[Signature] 6/9/99

PROJECT MANAGER

DATE

NO. ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT	EQUIPMENT COST	LABOR COST	MATERIAL COST	SUBCONTRACT COST	OVERHEAD & PROFIT	TOTAL UNIT COST	UNIT W/SHOP	TOTAL W/SHOP	UNIT W/O	TOTAL	AT DIFFERENCE	
1	REMOVE CONCRETE OCEANS	800	CU YD	3700	6740	0	8300	0	8300	91111	\$11,862.76	110.00	\$11,500.00	1	1120
EQUIPMENT				TOTAL HOURS											
				EQUIPMENT COST	LABOR COST	MATERIAL COST	SUBCONTRACT COST	OVERHEAD & PROFIT	TOTAL UNIT COST	TOTAL W/SHOP		TOTAL W/O		TOTAL DIFFERENCE	
				\$3700	\$6740	\$0	\$8300	\$0	\$8300	\$11,862.76	\$11,862.76	\$11,500.00	\$11,500.00	\$362.76	
				<p>LABOR: 12.00 HRS @ \$561.67 = \$6740.04</p> <p>MATERIAL: 0.00 @ \$0.00 = \$0.00</p> <p>SUBCONTRACT: 0.00 @ \$0.00 = \$0.00</p> <p>OVERHEAD & PROFIT: 12.00 HRS @ \$69.17 = \$830.04</p> <p>TOTAL UNIT COST: \$8300.08</p> <p>TOTAL W/SHOP: \$11,862.76</p> <p>TOTAL W/O: \$11,500.00</p> <p>TOTAL DIFFERENCE: \$362.76</p>											

In-house estimate
for CID 2-13-TR4-014

Worksheet: CID-00Y - CID XXY Clean-up Rubble

TRAPOND (99-270-001)

Worksheet Header
Quantity: 1050.00 Unit: CY Estimator: JCG Revision: LF Start Date: End Date:

Work Codes
Formula Variables
Global Variables
BUDGETALS 0.000

Line Resource	Description	Quantity	Unit	Manhour	Labor	eqm	Materia	Equipment	Supplies	Overhead (Not Used)	(Not Used)	(Not Used)	(Not Used)	Total Cost
1.00 LABBL1202	Operator Foreman	32.00	HRS	16.00	506.24									506.24
2.00 EQ98E2080	3/4th Pickup	32.00	HRS		128.00									128.00
3.00 EQ98E0942	Cat 988 Boy Loader	32.00	HRS		1,598.48									1,598.48
4.00 LABBL1207	Operator Hoe less than 75cy	32.00	HRS	32.00	985.28									985.28
5.00 EQ98E2010	12cy End Dump	32.00	HRS		2,552.96									2,552.96
6.00 LABBL1903	Teamster Flatbed	32.00	HRS	64.00	1,850.68									1,850.68
7.00 Crew Subtotal from		32.00	Hrs	112.00	3,342.40									3,342.40
8.00 STAS03	STAS at 3%		%	3.50	104.45									104.45
Sheet Totals		1,050.00	CY	112.00	3,342.40	4,275.52	100.27							7,718.19

OH & PROFIT @ 30%
TOTAL COST 10,033
2315

10,033 ÷ 1050 cy = 9.56/cy
LOAN COST FOR 15cy TRK = 1434th - USE \$145th
LOAN COST FOR 10cy TRK = 956th - USE \$95th
Within 3.5%
5.0%

LOADED

TRA TO HIGHWAY — 5 MIN
 TRA TO GRA BND 35 — 9 MIN
 HIGHWAY TO DUMP — 3 MIN

TOTAL LOADED 17
 TOTAL EMPTY 13

TOTAL TRAVEL 30 MIN

LOAD 2 MIN
 DUMP 5

TOTAL CYCLE 37 MIN

50 MIN HOUR = 37 CYCLE = 1.35 TRIPS/HR

1.35/HR x 10HR = 13.5 = 14 TRIPS/DAY

14 TRIPS/DAY x 12 CY/TRIP = 168 CY/DAY/TRK

336 CY/DAY/SPREADS

1050 CY ÷ 336 = 3.125
 x 10

32 HR

OU Number 2-13	CID Number 2-13-TRA-015
Field Problem 6	Date 6 17 99
Addressee J Landis parsons	Project Title/No. TRA Remedial Action Unit
Originator/Company K Eborn	Subcontract No. 734449 - T270 SC 3001-99
Subject Well Extensions	References: Drawings/Specifications/Documents Spec 2670-2 3.1.3
Issue: ① Well #TRA A72 is existing galvanized mild steel ② Obtaining a purge path to butt weld well extensions is not recommended nor does it work well in this application IF Purging Downward	
Recommended Solution: COST <input type="checkbox"/> yes <input checked="" type="checkbox"/> no SCHEDULE <input type="checkbox"/> yes <input checked="" type="checkbox"/> no ① Utilize Galvanized steel pipe & a galvanized steel threaded coupling to extent ② utilize Socket weld couplings sst material to provide well extensions in 2 locations	
Solution: _____ Inspection Requirements: <u>N/A</u> Affected Document: <u>N/A</u> VENDOR DATA REQUIRED: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO REVISED VDS ATTACHED: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO SUBMIT UNDER VDS ITEM NO. _____ QA REVIEW: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO ES&H REVIEW: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO WELD LAB REVIEW: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Signature: <u>[Signature]</u> 6-17-99 Signature: _____ Signature: _____	
_____ Project Manager/Date Construction Engineer/Date	
Disposition: In accordance with Subcontract Section _____ Change Order _____ If you consider that the information contained herein does involve a change in price or project completion date, immediately notify the Subcontract Administrator. Do not proceed with work until the price or project completion date change has been approved by the subcontract Administrator.	
_____ Construction Engineer/Date	
_____ Subcontract Administrator/Date	
_____ Subcontractor Representative/Date	

To Be Completed By Construction Engineer/Project Manager

To Be Completed By Project Manager/Construction Engineer

To Be Completed By Subcontract Administrator

**CONSTRUCTION INTERFACE DOCUMENT
(continued)**

CHANGE ORDER COST PROPOSAL

1) MATERIAL COST AND LABOR MANHOUR BREAKDOWN:

MATERIAL DESCRIPTION	UNIT OF MEASURE	QTY	UNIT COST	TOTAL COST	MAN HOUR UNIT	TOTAL MAN HOURS
_____	_____	_____	\$ _____	\$ _____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____
TOTAL MATERIAL COST =				\$ _____		

TOTAL LABOR MANHOURS =

2) EQUIPMENT BREAKDOWN

EQUIPMENT DESCRIPTION	HOURS	RATE	TOTAL AMOUNT
_____	X	_____	= \$ _____
_____	X	_____	= \$ _____
_____	X	_____	= \$ _____
TOTAL EQUIPMENT COST			_____

3) CRAFT: OFF-SITE FABRICATION YES NO

_____ M/hrs	X	\$ _____	M/hrs =	\$ _____
_____ M/hrs	X	\$ _____	M/hrs =	\$ _____
_____ M/hrs	X	\$ _____	M/hrs =	\$ _____
TOTAL MANHOURS		TOTAL LABOR	\$ _____	

4) MATERIAL: (SEE SUBSECTION NO. 1 FOR BREAKDOWN)

5) EQUIPMENT: (SEE SUBSECTION NO. 2 FOR BREAKDOWN)

6) LABOR: (SEE SUBSECTION NO. 3 FOR BREAKDOWN)

7) TOTAL DIRECT COST (ITEMS 4 THRU 6)

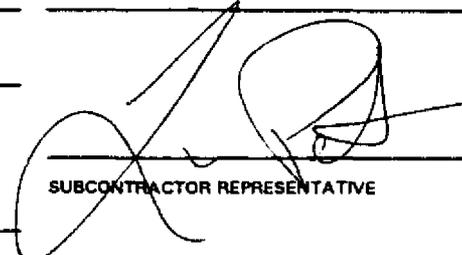
8) INDIRECT COST AT _____ %

9. TOTAL AMOUNT - _____
 10. TIME EXTENSION _____ CALENDAR DAYS

11) REFERENCE APPROVED CONSTRUCTION SCHEDULE:

REV. NO.	DATE	SHEETS NO.	
_____	_____	_____	
NODE NO(S)	CALENDAR DAY (S)	NODE NO(S)	CALENDAR DAYS(S)
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

EFFECT ON CRITICAL PATH AND JUSTIFICATION FOR TIME EXTENSION:



 SUBCONTRACTOR REPRESENTATIVE 6-22-99 DATE

APPROVED:


 CONSTRUCTION ENGINEER 6/21/99 DATE



 PROJECT MANAGER 6/22/99 DATE

OU Number 2-13	CID Number 2-13-TRA-016
Field Problem	
Address Kelly EBSEN / PHEON	Project Title/No REMEDIAL ACTION WAB 2 CU 2-13
Originator/Company J. ALANDES / PARSONS	Subcontract No.
References: Drawings/Specifications/Documents N/A	
Subject Soil PLACEMENT	
Issue: TRA OPERATIONS NEEDS TOPSOIL DELIVERED INTO TRA.	
Recommended Solution: COST <input checked="" type="checkbox"/> yes <input type="checkbox"/> no SCHEDULE <input type="checkbox"/> yes <input checked="" type="checkbox"/> no	
DELIVER TOPSOIL (APPROXIMATELY 100 cubic yards) TO TRA OPERATIONS THROUGH EAST GATE.	
Solution:	Inspection Requirements: <u>N/A</u> Affected Document: <u>N/A</u> VENDOR DATA REQUIRED: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO REVISED VDS ATTACHED: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO SUBMIT UNDER VDS ITEM NO. <u>N/A</u> QA REVIEW: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO ES&H REVIEW: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO WELD LAB REVIEW: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Signature _____ Signature _____ Signature _____
AGREE WITH RECOMMENDED SOLUTION	
Ja Jankis for Craig Rose per teleconfer <u>Ja Jankis 6/10/99</u> Project Manager/Date Construction Engineer/Date	
Disposition: In accordance with Subcontract Section <u>12</u> <u>item 12</u> Change Order	
If you consider that the information contained herein does involve a change in price or project completion date, immediately notify the Subcontract Administrator. Do not proceed with work until the price or project completion date change has been approved by the subcontract Administrator.	
Subcontractor shall proceed with indicated scope as recommended at the agreed to fixed price.	
Construction Engineer/Date <u>Ja Jankis 6/16/99</u>	Subcontractor Representative/Date <u>[Signature] 7-20-99</u>
Subcontract Administrator/Date <u>Richard [Signature] 7/14/99</u>	

To Be Completed By Construction Engineer/Project Manager

To Be Completed By Project Manager/Construction Engineer

To Be Completed By Subcontract Administrator

**CONSTRUCTION INTERFACE DOCUMENT
(continued)**

CHANGE ORDER COST PROPOSAL

1) MATERIAL COST AND LABOR MANHOUR BREAKDOWN:

MATERIAL DESCRIPTION	UNIT OF MEASURE	QTY	UNIT COST	TOTAL COST	MAN HOUR UNIT	TOTAL MAN HOURS
_____	_____	_____	\$ _____	\$ _____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____
TOTAL MATERIAL COST =				\$ _____		

TOTAL LABOR MANHOURS = _____

2) EQUIPMENT BREAKDOWN

EQUIPMENT DESCRIPTION	HOURS	RATE	TOTAL AMOUNT
_____	X	_____	= \$ _____
_____	X	_____	= \$ _____
_____	X	_____	= \$ _____

TOTAL EQUIPMENT COST _____

3) CRAFT: OFF-SITE FABRICATION YES NO

_____ M/hrs	X	\$ _____	M/hrs =	\$ _____
_____ M/hrs	X	\$ _____	M/hrs =	\$ _____
_____ M/hrs	X	\$ _____	M/hrs =	\$ _____
TOTAL MANHOURS		TOTAL LABOR	\$ _____	

4) MATERIAL: (SEE SUBSECTION NO. 1 FOR BREAKDOWN) _____

5) EQUIPMENT: (SEE SUBSECTION NO. 2 FOR BREAKDOWN) _____

6) LABOR: (SEE SUBSECTION NO. 3 FOR BREAKDOWN) _____

7) TOTAL DIRECT COST (ITEMS 4 THRU 6) _____

8) INDIRECT COST AT _____ % _____

9. TOTAL AMOUNT - _____

SEE ATTACHED SHEETS

10. TIME EXTENSION _____ CALENDAR DAYS

11) REFERENCE APPROVED CONSTRUCTION SCHEDULE:

REV. NO. _____ DATE _____ SHEETS NO. _____

NODE NO(S) _____ CALENDAR DAY (S) _____ NODE NO(S) _____ CALENDAR DAYS(S) _____

EFFECT ON CRITICAL PATH AND JUSTIFICATION FOR TIME EXTENSION:

[Signature] 7-13-99
SUBCONTRACTOR REPRESENTATIVE DATE

APPROVED:

[Signature] for Jody Landis 7/13/99
CONSTRUCTION ENGINEER DATE

[Signature] 7/13/99
PROJECT MANAGER

PHENIX

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT	MATERIAL	LABOR	EQUIP	RATE	UNIT	HOUR	RATE	COST	TOTALS
1.0	TOPSOIL	100.0	CY	TRACTOR SCRAPER					4	75.00	300	EQUIPMENT
										0.00	0	300
										0.00	0	
	HAUL INTO TRA THROUGH BACKGATE WITH SCRAPER AND STOCKPILE									0.00	0	LABOR
										0.00	0	154
										0.00	0	MATERIAL
										0.00	0	0
				LABOR						34.53	0	
				LABOR					4	38.58	154	SUBCONTRA
				OPERATOR						37.89	0	0
				DRIVER						38.58	0	
				SUPER								
				MATERIAL								ITEM COST
							0.00		0	Sub-	0	454
							0.00		0	Contract	0	
							0.00		0	Cost (\$)	0	
							0.00		0	+++++	0	UNIT COST
												4.54

PHENIX

REF. NO.	ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT	EQUIPMENT COST	LABOR COST	MATERIAL COST	MATERIAL MAILED COST	SUBCONTR COST	ITEM COST	UNIT COST	UNIT W/CHP	ITEM W/CHP	UNIT BID	TOTAL ITEM BID	+- DIFFERENCE																																																																																																				
1	1	TOPSOIL	100	CY	300	154	0	484	0	484	4.54	55.93	5593.46	55.00	5600.00	1	7																																																																																																			
<table border="1"> <thead> <tr> <th colspan="2">EQUIPMENT</th> <th colspan="2">TOTAL HOURS</th> </tr> </thead> <tbody> <tr> <td>EQUIPMENT COST</td> <td>\$300</td> <td>LABOR COST</td> <td>\$154</td> </tr> <tr> <td>MATERIAL COST</td> <td>\$0</td> <td>EQUIPMENT COST</td> <td>\$454</td> </tr> <tr> <td>MATERIAL MAILED COST</td> <td>\$0</td> <td>SUBCONTR COST</td> <td>\$0</td> </tr> <tr> <td>SUBCONTR COST</td> <td>\$0</td> <td>ITEM COST</td> <td>\$484</td> </tr> <tr> <td>ITEM COST</td> <td>\$484</td> <td>UNIT COST</td> <td>\$4.54</td> </tr> <tr> <td>UNIT COST</td> <td>\$4.54</td> <td>UNIT W/CHP</td> <td>\$55.93</td> </tr> <tr> <td>UNIT W/CHP</td> <td>\$55.93</td> <td>ITEM W/CHP</td> <td>\$5593.46</td> </tr> <tr> <td>ITEM W/CHP</td> <td>\$5593.46</td> <td>UNIT BID</td> <td>\$55.00</td> </tr> <tr> <td>UNIT BID</td> <td>\$55.00</td> <td>TOTAL ITEM BID</td> <td>\$5600.00</td> </tr> <tr> <td>TOTAL ITEM BID</td> <td>\$5600.00</td> <td>+- DIFFERENCE</td> <td>1</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="2">LABOR</th> <th colspan="2">TOTAL HOURS</th> </tr> </thead> <tbody> <tr> <td>SURVEY</td> <td>\$0</td> <td>MINIMIZATION</td> <td>\$0</td> </tr> <tr> <td>SUPERVISION</td> <td>\$1200</td> <td>TAX ON MATERIAL</td> <td>\$0</td> </tr> <tr> <td>TAX ON MATERIAL</td> <td>\$0</td> <td>RAW COST</td> <td>\$484</td> </tr> <tr> <td>RAW COST</td> <td>\$484</td> <td>OVERHEAD W/O SUBCONTRACTS</td> <td>\$56</td> </tr> <tr> <td>OVERHEAD W/O SUBCONTRACTS</td> <td>\$56</td> <td>PROFIT ON OVERHEAD</td> <td>\$8</td> </tr> <tr> <td>PROFIT ON OVERHEAD</td> <td>\$8</td> <td>MATERIALS</td> <td>\$0</td> </tr> <tr> <td>MATERIALS</td> <td>\$0</td> <td>LABOR & EQUIPMENT COSTS</td> <td>\$68</td> </tr> <tr> <td>LABOR & EQUIPMENT COSTS</td> <td>\$68</td> <td>SUBCONTRACTORS COST</td> <td>\$0</td> </tr> <tr> <td>SUBCONTRACTORS COST</td> <td>\$0</td> <td>TOTAL PROFIT</td> <td>\$78</td> </tr> <tr> <td>TOTAL PROFIT</td> <td>\$78</td> <td>TOTAL WITH OVERHEAD & PROFIT</td> <td>\$585</td> </tr> <tr> <td>TOTAL WITH OVERHEAD & PROFIT</td> <td>\$585</td> <td>BOND COST</td> <td>\$8</td> </tr> <tr> <td>BOND COST</td> <td>\$8</td> <td>TOTAL JOB COST</td> <td>\$593</td> </tr> <tr> <td>TOTAL JOB COST</td> <td>\$593</td> <td></td> <td></td> </tr> </tbody> </table>																	EQUIPMENT		TOTAL HOURS		EQUIPMENT COST	\$300	LABOR COST	\$154	MATERIAL COST	\$0	EQUIPMENT COST	\$454	MATERIAL MAILED COST	\$0	SUBCONTR COST	\$0	SUBCONTR COST	\$0	ITEM COST	\$484	ITEM COST	\$484	UNIT COST	\$4.54	UNIT COST	\$4.54	UNIT W/CHP	\$55.93	UNIT W/CHP	\$55.93	ITEM W/CHP	\$5593.46	ITEM W/CHP	\$5593.46	UNIT BID	\$55.00	UNIT BID	\$55.00	TOTAL ITEM BID	\$5600.00	TOTAL ITEM BID	\$5600.00	+- DIFFERENCE	1	LABOR		TOTAL HOURS		SURVEY	\$0	MINIMIZATION	\$0	SUPERVISION	\$1200	TAX ON MATERIAL	\$0	TAX ON MATERIAL	\$0	RAW COST	\$484	RAW COST	\$484	OVERHEAD W/O SUBCONTRACTS	\$56	OVERHEAD W/O SUBCONTRACTS	\$56	PROFIT ON OVERHEAD	\$8	PROFIT ON OVERHEAD	\$8	MATERIALS	\$0	MATERIALS	\$0	LABOR & EQUIPMENT COSTS	\$68	LABOR & EQUIPMENT COSTS	\$68	SUBCONTRACTORS COST	\$0	SUBCONTRACTORS COST	\$0	TOTAL PROFIT	\$78	TOTAL PROFIT	\$78	TOTAL WITH OVERHEAD & PROFIT	\$585	TOTAL WITH OVERHEAD & PROFIT	\$585	BOND COST	\$8	BOND COST	\$8	TOTAL JOB COST	\$593	TOTAL JOB COST	\$593		
EQUIPMENT		TOTAL HOURS																																																																																																																		
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Number 2-13 CID Number 2-13-TRA-010

Field Problem _____ Date 6/23/99

Addresses Phoenix Project Title/No. Remedial Action WAS 2, 04 2-13 Subcontract No. 934449-7210-53001-99

Originator/Company Craig Reese/Parsons References: Drawings/Specifications/Documents N/A

Subject Placement of Top Soil over Rip Rap Source Area.

Issue:
Top Soil is needed to promote vegetation over the Rip Rap Source area. Current conditions will not provide an adequate seed bed.

Recommended Solution: COST yes no SCHEDULE yes no
Place a 4 to 6 inch layer of Top Soil ^{over} the Rip Rap area approx. 3,600 C.Y.

Solution:	Inspection Requirements _____
	Affected Document: _____
VENDOR DATA REQUIRED:	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
REVISED VDS ATTACHED:	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
SUBMIT UNDER VDS ITEM NO. _____	
QA REVIEW:	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
ES&H REVIEW:	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
WELD LAB REVIEW:	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	Signature _____
	Signature _____
	Signature _____

Accept Recommendation

Craig Reese 6/23/99
 Project Manager/Date Construction Engineer/Date

Disposition: In accordance with Subcontract Section 11.1 Item 12 Change Order
 If you consider that the information contained herein does involve a change in price or project completion date, immediately notify the Subcontract Administrator. Do not proceed with work until the price or project completion date change has been approved by the subcontract Administrator.

Subcontractor shall proceed based on recommended solution at the fixed price as agreed to on this C.I.D.

Craig Reese 6/24/99
 Construction Engineer/Date

Robert O'Leary 6/24/99
 Subcontract Administrator/Date

CONSTRUCTION INTERFACE DOCUMENT
(continued)

CHANGE ORDER COST PROPOSAL

1) MATERIAL COST AND LABOR MANHOOR BREAKDOWN:

See attached Sheets 8640⁰⁰

MATERIAL DESCRIPTION	UNIT OF MEASURE	QTY	UNIT COST	TOTAL COST	MAN	TOTAL	9) TOTAL AMOUNT	
					HOUR	MAN	10) TIME EXTENSION	CALENDAR DAYS
					UNIT	HOURS		
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
TOTAL MATERIAL COST =					_____	_____	_____	_____
TOTAL LABOR MANHOURS =					_____	_____	_____	_____

11) REFERENCE APPROVED CONSTRUCTION SCHEDULE:

REV. NO. _____	DATE _____	SHEETS NO. _____
NODE NO(S) _____	CALENDAR DAY (S) _____	NODE NO(S) _____
_____	_____	_____

2) EQUIPMENT BREAKDOWN

EQUIPMENT DESCRIPTION	HOURS	RATE	TOTAL AMOUNT	EFFECT ON CRITICAL PATH AND JUSTIFICATION FOR TIME EXTENSION:
_____	X _____	_____	\$ _____	_____
_____	X _____	_____	\$ _____	_____
_____	X _____	_____	\$ _____	_____
TOTAL EQUIPMENT COST				_____

3) CRAFT: OFF-SITE FABRICATION YES NO

_____ M/hrs	X \$ _____	M/hrs = \$ _____
_____ M/hrs	X \$ _____	M/hrs = \$ _____
_____ M/hrs	X \$ _____	M/hrs = \$ _____
TOTAL MANHOURS		TOTAL LABOR \$ _____

SUBCONTRACTOR REPRESENTATIVE

DATE

APPROVED:

CONSTRUCTION ENGINEER

DATE

4) MATERIAL: (SEE SUBSECTION NO. 1 FOR BREAKDOWN) \$ _____

5) EQUIPMENT: (SEE SUBSECTION NO. 2 FOR BREAKDOWN) \$ _____

6) LABOR: (SEE SUBSECTION NO. 3 FOR BREAKDOWN) \$ _____

7) TOTAL DIRECT COST (ITEMS 4 THRU 6) + A2B \$ _____

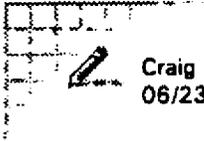
8.) INDIRECT COST AT _____ % \$ _____

PROJECT MANAGER

DATE

PHENIX

MATERIAL\LABOR\EQUI	RATE	/UNIT	=HOUR	RATE	COST	TOTALS
EQUIPMENT		1				
TRACTOR STEEPER			40	75.00	3,000	EQUIPMENT
WATER TRUCK			20	27.41	548	3,908
BLADE			10	35.93	359	
				0.00	0	LABOR
				0.00	0	2,687
				0.00	0	
				0.00	0	MATERIAL
LABOR						0
LABOR				34.53	0	
OPERATOR			50	38.58	1,929	SUBCONTRA
DRIVER			20	37.89	758	0
SUPER				38.58	0	
MATERIAL	COST/UNI	UNITS	AMOU			ITEM COST
	0.00		0	Sub-	0	6,594
	0.00		0	Contract	0	
	0.00		0	Cost (s)	0	UNIT COST
	0.00		0	+++++	0	1.83
===== 1 =====						



Craig L Reese
06/23/99 10:19 AM

To: Robert S Oliver/OLIVRS/NON/NEEL/US@INEL
cc: Harry D Williams/WILLHD/LMITCO/NEEL/US@INEL

Subject: Seeding of the rip rap source area

Bob, please prepare a CID for Phenix to place 4 to 6 inches of topsoil over the rip rap source area. This additional topsoil will provide a good seed bed for vegetation. This additional soil is needed because the site at the current state will not promote vegetation.

Thanks

TRAPOND (99-270-001)
Worksheet: CID017 - Top Soil Over RR Borrow

Worksheet Header

Quantity: 3600.00 Unit: CY Estimator: JCG Revision: CY Start Date: End Date:

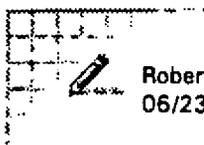
Work Codes

01.00 C.S.J. DIV 2 Site Work
 03.00 DOE DIVISION 2000 IMPROVEMENT TO LAND
 Global Variables
 BIDTOTALS 0.000

Resource	Description	Quantity	Unit	Manhours	Labor	Equipment	Supplies	Overhead	(Not Used)	(Not Used)	(Not Used)	Total Cost
1.00 EQ98E2060	3/4tn Pickup	20.00	HRS			157.80 7.86						157.8 7.8
2.50 LAB8L1202	Operator Foreman	20.00	HRS	20.00	632.80 31.64							632.8 31.6
3.00 EQ98E0654	Cat 627 15cy Push Scraper	20.00	HRS			12,103.20 605.16						12,103.2 605.1
4.00 LAB8L1206	Scraper Op	20.00	HRS	80.00	2,427.20 121.36							2,427.2 121.3
7.00 EQ98E0912	Cat 14 Grader	20.00	HRS			1,330.00 66.50						1,330.0 66.5
8.00 LAB8L1207	Grader Op	20.00	HRS	20.00	615.80 30.79							615.8 30.7
12.00 EQ98E2050	4000gal Water Truck	20.00	HRS			648.20 32.41						648.2 32.4
13.00 LAB8L1206	Water Wagon Op	20.00	HRS	20.00	606.60 30.34							606.6 30.3
14.00 Crew Subtotal from		20.00	Hrs	140.00	4,282.60 214.13	14,239.00 711.95					128.48	18,521.6
15.00 ST&S 03	ST&S at 3%		%									128.4

Sheet Totals 3,600.00 CY 140.00 4,496.70 14,239.00 128.48 18,650.0

OH #P10FIT03070 = 5595
 TOTAL \$ 24,245



Robert S Oliver
06/23/99 10:40 AM

To: Jerome C Grenz/GRENJC/NON/NEEL/US@INEL

cc:

Subject: Estimate

Jerry, would you prepare an estimate for the following work for the TRA job:

Place 3,600 CY of topsoil over the rip rap source area.

Equipment and labor categories are proposed as such; Operator, Driver, Tractor Scraper, Water Truck and Blade.

I need this as soon as possible so I can determine whether Phenix's estimate is fair or not.

$3600 \text{ CY} \div 15 \text{ CY} = 240 \text{ LOADS} \div 4 \text{ SCRAPERS} = 60 \text{ FULL CYCLES}$

$\text{USE } 2\frac{1}{2} \text{ CYCLES/HR} = 150 \text{ CY/HR}$

$3600 \div 150 = 24 \text{ HR} - \text{USE } 20 \text{ HR FOR SPREAD}$

OU Number	2-13	CID Number	2-13-TRA-018
Field Problem	2-13	Date	7/6/99
Addressee	KEVIN EDEEN/PHOENIX	Project Title/No.	TRA REMEDIAL ACTION W/20213
Originator/Company	J. LANDIS / T. ESNAIS	Subcontract No.	7-4449-T270-57001-99
Subject	References: Drawings/Specifications/Documents N/A		
Issue:	ADDITIONAL WORK ON DECON PAD		
Recommended Solution:	ADDITIONAL WORK IS REQUIRED AROUND & ON DECON PAD TO SUPPORT TAA INSTALLATION		
Vendor Data Required:	ITEM 1) CLEAR & GRUB THE AREA AROUND DECON PAD & EXL. SOIL TO EXISTING GRA		
Revised VDS Attached:	ITEM 2) INSTALL CONCRETE RAMP & SKI OFF PAD RAMP SHALL BE 12'X20'X6		
Submit Under VDS Item No.:	AND SKI OFF PAD SHALL BE 3'X4'X3"		
QA Review:	ITEM 3) PURCHASE DRUM HANDLER AND PLACE DRUMS INTO TAA		
ES&H Review:	ITEM 4) EXCAVATE 3'X3' TRENCH FROM LIFT STATION PAD TO DECON PAD AND POUR ELECTRICAL DUCT BANK		
Weld Lab Review:	Recommended Solution: <input checked="" type="checkbox"/> COST <input type="checkbox"/> YES <input type="checkbox"/> NO SCHEDULE <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
Solution:	PERFORM WORK AS STATED ABOVE.		
Inspection Requirements:	YES		
Attached Document:	N/A		
Vendor Data Required:	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
Revised VDS Attached:	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
Submit Under VDS Item No.:	_____		
QA Review:	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
ES&H Review:	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
Weld Lab Review:	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
Signature:	_____		
Signature:	_____		
Signature:	_____		
Agree with Recommended Solution:	AGREE WITH RECOMMENDED SOLUTION. SUBCONTRACTOR SHALL INSPECT CONCRETE POURS PER THE SUBCONTRACT DOCUMENTATION.		
Project Manager/Date:	_____ 7/12/99		
Construction Engineer/Date:	_____ 7/6/99		
Discretion:	In accordance with Subcontract Section II item 12 Change Order		
If you consider that the information contained herein does involve a change in price or project completion date, immediately notify the Subcontract Administrator. Do not proceed with work until the price or project completion date change has been approved by the subcontract Administrator.	Subcontractor to proceed with additional work as agreed, and for the fixed price as per agreed on the back of this CID.		
Subcontract Administrator/Date:	Robert Olin for Jody Landis per telegram 7/14/99		
Subcontractor Representative/Date:	_____ 7-13-99		

To Be Completed By Construction Engineer/Project Manager

To Be Completed By Project Manager/Construction Engineer

To Be Completed By Subcontract Administrator

CONSTRUCTION INTERFACE DOCUMENT
(continued)

CHANGE ORDER COST PROPOSAL

1) MATERIAL COST AND LABOR MANHOUR BREAKDOWN:

MATERIAL DESCRIPTION	UNIT OF MEASURE	QTY	UNIT COST	TOTAL COST	MAN HOUR UNIT	TOTAL MAN HOURS
_____	_____	_____	\$ _____	\$ _____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____
TOTAL MATERIAL COST =				\$ _____		

TOTAL LABOR MANHOURS = _____

2) EQUIPMENT BREAKDOWN

EQUIPMENT DESCRIPTION	HOURS	RATE	TOTAL AMOUNT
_____	X	_____	\$ _____
_____	X	_____	\$ _____
_____	X	_____	\$ _____

TOTAL EQUIPMENT COST _____

3) CRAFT: OFF-SITE FABRICATION YES NO

_____ M/hrs	X	\$ _____	M/hrs = _____	\$ _____
_____ M/hrs	X	\$ _____	M/hrs = _____	\$ _____
_____ M/hrs	X	\$ _____	M/hrs = _____	\$ _____
TOTAL MANHOURS		TOTAL LABOR	\$ _____	

4) MATERIAL: (SEE SUBSECTION NO: 1 FOR BREAKDOWN)

5) EQUIPMENT: (SEE SUBSECTION NO. 2 FOR BREAKDOWN)

6) LABOR: (SEE SUBSECTION NO. 3 FOR BREAKDOWN)

7) TOTAL DIRECT COST (ITEMS 4 THRU 6)

8) INDIRECT COST AT _____ %

9. TOTAL AMOUNT \$ 11,965

10. TIME EXTENSION _____ CALENDAR DAYS

11) REFERENCE APPROVED CONSTRUCTION SCHEDULE:

REV. NO. _____ DATE _____ SHEETS NO. _____

NODE NO(S) _____ CALENDAR DAY (S) _____ NODE NO(S) _____ CALENDAR DAYS(S) _____

EFFECT ON CRITICAL PATH AND JUSTIFICATION FOR TIME EXTENSION:

SUBCONTRACTOR REPRESENTATIVE _____ DATE 7-13-99

APPROVED: Richard Ollivier for Jody Landis 7/14/99
CONSTRUCTION ENGINEER per telecon DATE

PROJECT MANAGER _____ DATE 7/13/99

RI. ITEM NO	ITEM DESCRIPTION	QUANTITY	UNIT	EQUIPMENT COST	LABOR COST	MATERIAL COST	MANAGE COST	SUBCONTR COST	ITEM COST	UNIT COST	UNIT WHP	ITEM WHP	UNIT BID	TOTAL ITEM BID	TOTAL DIFFERENCE	
1	0 CLEAR 4 DRUB	1 LS		286	598	0	844	0	844	\$844.00	1	\$1128.40	\$1128.40	\$1100.00	1	(28)
2	EXCAVATION	80 C.Y.		288	596	0	863	0	863	\$107.50	2	\$144.00	\$1152.31	\$1402.00	2	(12)
3	3M BASE FOR CONCRETE	10 C.Y.		147	414	35	596	0	596	\$29.84	3	\$79.11	\$79.11	\$78.50	3	(6)
4	CONCRETE PADS 2' X 2' 5 Y 3	249 S.F.		65	1815	1048	2355	510	3430	\$13.76	4	\$1724.88	\$4318.08	\$4295.25	4	(23)
5	ELECTRIC TRENCH EXCAVATION AND BACKFILL	70 L.F.		784	1154	0	1408	0	1408	\$20.54	5	\$274.17	\$1918.77	\$227.00	5	(29)
6	LEACHING NEW CONCRETE	3 C.Y.		25	292	450	767	0	767	\$333.49	6	\$1927.00	\$563.85	\$390.00	6	(14)
7	WRESTLEFACE BARRIERS ON CONCRETE PAD	19 L.A.		108	731	333	1370	0	1370	\$72.13	7	\$94.46	\$1757.11	\$85.00	7	48

EQUIPMENT		TOTAL HOURS		EQUIPMENT COST		LABOR COST		MATERIAL COST		FOULMANT COST		SUBCONTR COST		TOTAL COST		TOTAL WHP		TOTAL DIFFERENCE	
1	286	1	598	\$138	\$804	\$704	\$480	\$410	\$210	\$9310	0	0	0	0	0	0	0	0	0
2	288	2	596	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	147	3	414	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	65	4	1815	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	784	5	1154	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	25	6	292	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	108	7	731	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL	
				1318		1318		1318		1318		1318		1318		1318		1318	

SUBMITTALS
 0 MATERIALS
 0 LABOR & EQUIPMENT COSTS
 0 SUBCONTRACTORS COSTS
 0 TOTAL PROFIT
 0%

OVERHEAD AND SUBCONTRACTS
 12.00%
 PROFIT
 15.00%
 MATERIALS
 15.00%
 LABOR & EQUIPMENT COSTS
 15.00%
 SUBCONTRACTORS COSTS
 10.00%
 TOTAL PROFIT
 16.43% OF COSTS

TOTAL WITH OVERHEAD & PROFIT
 12.027
 BOND COST
 0
 TOTAL JOB COST
 \$12,027

8

07/07/99

04:30 PM

P.01

WESCO®

Industrial Products, Inc.

FORK MOUNTED DRUM GRABS Operating Instructions and Parts

Manual

Attention: To insure proper use of your Wesco Drum Grab, read and follow these instructions before using.

Specifications

The Wesco Fork Mounted Drum Grabs are designed for the transport of steel drums with a powered fork truck.



Figure A
La Figure A
La Figura A

These products are manufactured by:
Wesco Industrial Products, Inc.

P.O. Box 47

Lansdale, PA 19446

Tel: 215-699-7031 Fax: 215-699-3836

For a full range of Wesco products, request a catalog, or visit our web site at <http://www.WESCOMFG.COM>

Contact the factory if you have problems after reading these instructions, or for parts information and parts ordering.

Unpacking

When unpacking your unit, check carefully for shipping damage. If damage has occurred, file a claim with the delivering carrier within 24 hours, and notify the dealer from whom the unit was purchased. All models are shipped ready for use - no assembly required.

General Safety Information

WARNING: The Wesco Fork Mounted Drum Grabs are designed for specific functions. Please adhere to the following instructions to insure proper use.

(1) **LOAD RATINGS:** This manual covers six different models with the following handling capacities:
DJ-55 (4W053): One 55 Gallon Steel Drum 1500 lbs. maximum capacity.

FORK MOUNTED DRUM GRABS MANUEL D'UTILISATION ET DE PIÈCES

Consignes d'utilisation et attention manuelle de pièces:

Pour assurer l'utilisation appropriée de votre encaveur de tambour de Wesco, lisez et suivez ces instructions avant utilisation.

Caractéristiques:

La fourchette de Wesco à monter des encaveurs de tambour sont conçues pour le transport des tambours en avec actionné pour le camion.

These products are manufactured by:
Wesco Industrial Products, Inc.

P.O. Box 47

Lansdale, PA 19446

Tel: 215-699-7031 Fax: 215-699-3836

Pour connaître la gamme complète des produits Wesco, demandez notre catalogue

ou rendez-nous visite sur l'Internet à <http://www.WESCOMFG.COM>

Ces produits sont fabriqués par: Entrez en contact avec l'usine si vous avez des problèmes après lecture de ces instructions, ou pour des pièces l'information et la commande de pièces.

ECLATEMENT:

En éclatant votre unité, vérifiez soigneusement des dommages d'expédition. Si les dommages se sont produits, classez une réclamation avec le porteur livrant dans un délai de 24 heures et informez le distributeur dont l'unité a été achetée. Tous les modèles sont pas shipped de manière opérationnelle - aucun assemblage exigé.

INFORMACIÓN GENERAL DE SEGURIDAD:

ALERTA: La fork de Wesco montó ganchos agarradores del tambor se diseñó para las funciones específicas. Para asegurar uso apropiado, las instrucciones siguientes se deben adherir
(1) **CARGA RATINGS:** Este manual cubre seis diversos modelos con las capacidades de dirección siguientes.
DJ-55 (4W053): Un tambor de acero de 55 galones, 1500 libras de capacidad del máximo

(1)

FORK MOUNTED DRUM GRABS Manual de instrucciones de uso y piezas de repuesto.

Instrucciones de funcionamiento y atención manual de las piezas:
Para asegurar uso apropiado de su gancho agarrador del tambor de Wesco, lea y siga estas instrucciones antes de usar.

Especificaciones:

La fork de Wesco montó ganchos agarradores del tambor se diseñó para el transporte de los tambores de acero con accionado para el carro.

Estos productos se fabrican cerca:

Wesco Industrial Products, Inc.

P.O. Box 47

Lansdale, PA 19446

Tel: 215-699-7031 Fax: 215-699-3836

Si desea información sobre la gama completa de los productos Wesco solicite un catalogo o visite el sitio de la Web en <http://www.WESCOMFG.COM>

Entre en contacto con la fábrica si usted tiene problemas después de leer estas instrucciones, o para las piezas información y ordenar de las piezas.

DESEMPAQUE:

Al desempaquear su unidad, controle cuidadosamente si hay daño del envío. Si ha ocurrido el daños, clasifique una demanda con el portador que entrega en el plazo de 24 horas y notifique al distribuidor de quien la unidad fue comprada. Todos los modelos son no shipped de manera operacional - a ningún ensamblaje requerido.

INFORMACIÓN GENERAL DE SEGURIDAD:

ALERTA: La fork de Wesco montó ganchos agarradores del tambor se diseñó para las funciones específicas. Para asegurar uso apropiado, las instrucciones siguientes se deben adherir

(1) **Carga RATINGS:** Este manual cubre seis diversos modelos con las capacidades de dirección siguientes.
DJ-55 (4W053): Un tambor de acero de 55 galones, 1500 libras de capacidad del máximo
DJ-255 (4W466): Dos tambores de acero de 55 galones, 1500 libras de capacidad

DJ-255 (4W466): Two 55 Gallon Steel Drums 1500 lbs. maximum capacity per drum.

ADJ-53 (4W467): One 55 Gallon Steel Drum or one 30 Gallon Steel Drum. 1500 lbs. maximum capacity

ADJ-253 (4W468): Two 55 Gallon Steel Drums or two 30 Gallon Steel Drums. 1500 lbs. maximum capacity per drum

(2) DO NOT USE YOUR UNIT FOR LOADS EXCEEDING THE RATED CAPACITY.

(3) The Wesco Drum Grabs are designed for use only with the drums shown on the previous list. Do not use for open head drums containing liquid or powder. Do not use on fiber or plastic drums. Drums must have rolling ribs, and should not have severe dents or other wise misshaped.

(4) Follow all Occupational Safety and Health Act (OSHA) requirements, particularly Section 1910.178a(5) regarding powered industrial trucks.

(5) Adhere to all local codes regarding drum use and storage.

(6) Before using this product, contact the manufacturer of your industrial truck, and obtain their written approval that the truck has the capacity to be used with this attachment.

(7) Do not use drum grabs with manually operated stackers.

(8) Do not use to lift personnel or to carry loads over people.

(9) Do not leave with a load suspended in air unattended.

(10) Do not remove or obscure capacity/warning label

(11) Inspect unit daily before use. Remove unit from service immediately if damaged or malfunctioning until such time as repairs have been made.

(12) Do not modify this product in any way.

(13) Use only genuine Wesco replacement parts when servicing.

Operation

The following outlines the general operation of Wesco Fork Mounted Drum Grabs. Specifics for different models are followed by this section.

(1) Place unit on floor or flat surface easily accessible to fork truck. Be sure that "T" bolts are sufficiently unthreaded to allow forks to enter pockets.

(2) Carefully slide forks (do not use fork extensions) into drum grab's fork pockets. Be sure forks are in pockets as far as possible.

DJ-255 (4W466): Deux tambours enacier de 55 gallons. 1500 livres de capacité de maximum.

DJ-30: Un tambour en acier de 30 gallons, 1500 livres de capacité de maximum.

DJ-230: Deux tambours en acier de 30 gallons, 1500 livres de capacité maximum par tambour.

ADJ-53 (4W467): Un tambour en acier de 55 gallons ou un tambour en acier de 30 gallons, 1500 livres de capacité de maximum.

ADJ-253 (4W468): Deux tambours en acier de 55 gallons ou deux tambours en acier de 30 gallons, 1500 livres de capacité de maximum. (2)

N'UTILISEZ PAS VOTRE UNITÉ POUR DES CHARGEMENTS EXCÉDANT LA CAPACITÉ ÉVALUÉE.

(3) Les encaivateurs de tambour de Wesco sont conçus pour l'usage seulement avec les tambours montrés sur la liste précédente. N'utilisez pas pour les tambours principaux ouverts contenant le liquide ou la poudre. N'utilisez pas sur des tambours de fibre ou de plastique. Les tambours doivent avoir des nervures de roulement et ne devraient pas être severement bosselées ou pas misshapened autrement.

(4) Suivent toutes les conditions professionnelles de la Loi de sûreté et de santé (OSHA), en particulier la section 1910.178a(5) concernant les camions industriels actionnés.

(5) Adhèrent a tous les codes locaux concernant l'utilisation et la memoire de tambour

(6) Avant d'utiliser ce produit, entrez en contact avec le constructeur de votre camion industriel et obtenez leur approbation écrite que le camion a la capacité d'être utilisé avec cette connexion.

(7) N'utilisent pas des encaivateurs de tambour avec les cases manuelles.

(8) N'utilisent pas pour soulever le personnel ou pour supporter des hargements au-dessus des personnes

(9) Ne laissent pas avec un chargement suspendu en air sans surveillance.

(10) Ne retrent pas ou n'obscurcissent as l'étiquette de capacity/warning.

(11) Examinent le journal d'unité avant l'emploi. Retirez l'unité du service immédiatement si endommagé ou en fonctionnant mal jusqu'au moment où ont été dépannés.

(12) Ne modifient pas ce produit de quelque façon

del máximo.

DJ-30: Un tambor de acero de 30galones 1500 libras de capacidad del maximo.

DJ-230: Dos tambores de acero de 30 gaiones, 1500 libras de capacidad máxima por el tambor.

ADJ-53 (4W467) Un tambor de acero de 55 galones o un tambor de acero de 30 galones, 1500 libras de capacidad del máximo.

ADJ-253 (4W468): Dos tambores de acero de 55 galones o dos tambores de acero de 30 galones, 1500 libras de capacidad del máximo.

(2) NO UTILICE SU UNIDAD PARA LAS CARGAS QUE EXCEDEN LA APACIDAD CLASIFICADA

(3) Los ganchos agarradores del tambor de Wesco se diseñan para el uso solamente con los tambores mostrados en la lista anterior. No utilice para los tambores principales abiertos que contienen el liquido o el polvo. No utilice en los tambores de la fibra o del plástico. Los tambores deben tener costillas del balanceo y no se deben abollar seriamente ni misshapened de otra manera.

(4) Sigue todos los equisitocupacionale del acto de seguridad y de la salud (OSHA), determinado sección 1910.178a(5) con respecto a los carros industriales accionados.

(5) Adhiere a todos los códigos locales con respecto uso y al almacenaje del tambor.

(6) Antes de usar este producto, entre contacto con el fabricante de su carro industrial y obtenga su aprobación escrita que el carro tiene la capacidad de ser utilizado con esta conexión.

(7) No utiliza ganchos agarradores del tambor con los apiladores manuales

(8) No utiliza levantar a personal o llevar a las concluido la gente.

(9) No se va con una carga suspendida en aire desatendido.

(10) No quita u obscurece la escritura de la etiqueta de capacity / warning.

(11) Examina el diario de la unidad ante de uso. Quite la unidad de servicio inmediatamente si está dañado o funcionando incorrectamente hasta que se hayan reparado.

(12) No modifica este producto de ninguna manera.

OPERACIÓN:

Los contornos siguientes la operación general de la fork de Wesco montaron ganchos agarradores del tambor. Las diferencias para los modelos específicos siguen esta sección.

- (3) Hand tighten "T" bolts to secure unit to forks (hand tool may be used but is not necessary). Recheck bolts periodically during use for tightness.
- (4) If not already done, unfold grab jaws.

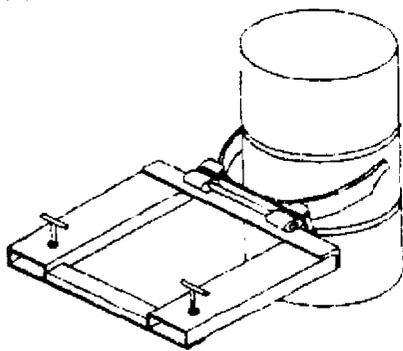


Figure 2
La Figure 2
La Figura 2

- (5) Raise unit and approach drum so that the jaws come in contact with the drum just below the upper rolling rib of the drum. (Figure 2)
- (6) Move unit forward onto drum, lowering jaws slowly as you move. Jaws will open and close around drum. (Figure 3)

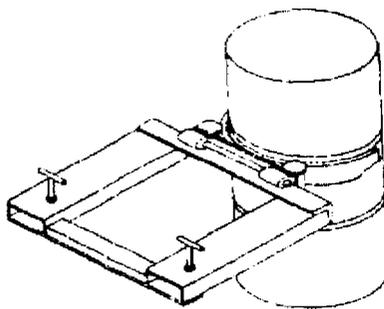


Figure 3
La Figure 3
La Figura 3

- (7) When jaws surround drum, raise forks until jaws rest under upper rolling rib. Drum can now be raised and moved where desired. (Figure A)
- (8) To release drums, return to floor, lowering drum grab slowly as you pull back.

Model DJ-255

Follow same procedure with two drums at same time. For easier pickup, drums should touch each other. Be sure that drum weights are similar to insure balanced load.

Model ADJ-53 (Adjustable)

Operation is same as general instructions except jaws must be properly positioned for 55 or 30 gallon drums:

EXÉCUTION:

Les contours suivants l'exécution générale de la fourchette de Wesco ont monté des encavateurs de tambour. Les différences pour les modèles spécifiques suivent cette section.

- (1) Placent l'unité sur le plancher ou la surface plate facilement accessible a camion de fourchette. Soyez sûr que les boulons de "T" sont unthreaded suffisamment pour permettre à des fourchettes d'entrer dans des poches.
- (2) Glissent soigneusement des fourchettes (n'utilisez pas les extensions de fourchette) dans des poches de la fourchette de l'encaveur de tambour. Soyez sûr que les fourchettes sont dans des poches aussi loin que possible.
- (3) La main serrent des boulons de "T" pour fixer l'unité aux fourchettes (l'outil manuel peut être utilisé mais n'est pas nécessaire). Revérifiez les boulons périodiquement pendant l'utilisation pour l'étanchéité.
- (4) Sinon déjà fait, dévoilez les mâchoires d'encaveur.
- (5) Soulevent l'unité et approchent le tambour de sorte que les mâchoires contactent le tambour juste au-dessous de la nervure supérieure de roulement du tambour. (le schéma unité de mouvement de 2)
- (6) En avant sur le tambour, abaissant des mâchoires lentement en tant que vous se déplacent. Les mâchoires s'ouvrent et se ferment autour du tambour. (le schéma 3)
- (7) Quand les mâchoires entourent le tambour, augmenter bifurque jusqu'à ce que les mâchoires se reposent sous la nervure supérieure de roulement. Le tambour peut maintenant être augmenté et être déplacé où desire (la figure A)
- (8) Pour libérer les tambours, retour au plancher, abaissant l'encaveur de tambour lentement en tant que vous retirent.

Les modèles DJ-255 et DJ-230

Suivent le même procédé avec deux tambours en même temps. Pour une collecte plus facile, les tambours devraient se toucher. Soyez sûr que les poids de tambour sont semblables pour assurer le chargement équilibré.

L'exécution (réglable) du modèle ADJ-53

Correspond des instructions générales excepté des mâchoires doivent être correctement placé pour des tambours de 55 ou 30 gallons:

- (1) Pone la unidad en el suelo o la superficie plana fácilmente accesible al carro de la fork. Sea seguro que son los pernos de "T" unthreaded suficientemente para permitir que las forkes entren en los bolsillos.
- (2) Resbala cuidadosamente forkes (no utilice las extensiones de la fork) dentro de los bolsillos de la fork del gancho agarrador del tambor. Sea seguro que las forkes están en bolsillos lo más lejos posible.
- (3) La mano aprieta los pernos de "T" para asegurar la unidad a las forkes (la herramienta de la mano se puede utilizar pero no es necesaria) Vuelva a inspeccionar los pernos periodicamente durante el uso para la tirantez.
- (4) Si está hecho no ya, revele las uijadas del gancho agarrador.
- (5) Levanta la unidad y acerca al tambor de modo que las quijadas vengan en contacto con el tambor apenas debajo de la costilla superior del balanceo del tambor. (el cuadro unidad del movimiento de 2)
- (6) Adelante sobre el tambor, bajando quijadas como usted se mueve entamente. Las quijadas se abrirán y se cierran alrededor del tambor. (el cuadro 3)
- (7) Cuando las quijadas rodean el tambor, aumento bifurca hasta que la quijadas se reclinan bajo costilla superior del balanceo. El tambor puede ahora ser levantado y ser movido adonde deseado. (la figura A)
- (8) Para release/versión los tambores, vuelta al suelo, bajando el gancho agarrador del tambor como usted tira lentamente.
- Los modelos DJ-255 y DJ-230: siguen el mismo procedimiento con dos tambores en la misma hora. Para una recolección más fácil, los tambores deben tocarse. Sea seguro que los pesos del tambor son similares asegurar la carga equilibrada.
- La operación (ajustable) del modelo ADJ-53 es igual que las instrucciones generales excepto quijadas se deben colocar correctamente para los tambores de 55 o 30 galones:
- 55 Galones Drum** — ambas quijadas a la posición exterior y en más baja.
- 30 Galones Drum** — ambas quijadas a la posición interior y en superior.
- Las quijadas son colocadas levantando a 90 grados y resbalando para arriba o abajo. Para la posición superior, sostenga la quijada en la posición al bajar para asegurar la barra catching de la parada.

55 gallon drum - Both jaws to the outside and in lower position.

30 gallon drum - Both jaws to the inside and in upper position.

Jaws are positioned by raising to 90° and sliding up or down shaft. For upper position, hold jaw in position when lowering to insure catching stop rod.

Model ADJ-253 (Adjustable)

Follow jaw positioning instructions for ADJ-53. Placement for 55 gallon drums is the same as DJ-255. 30 gallon drums should be placed approximately 4.5" apart, and center bar should be folded down between jaws. Follow use instructions for DJ-255.

Maintenance

- (1) Lubricate moving parts periodically.

Warranty Service

- (1) If unit does not work properly, contact your dealer or the factory (215-699-7031) for units less than ninety days old.

Non-Warranty Service

- (1) For units older than ninety days, repairs can be made easily with factory authorized parts **NOTE: Do not send units to the factory for service without obtaining a "returned goods authorization number" from the service department. We will not be responsible for goods returned without proper authorization.**

To Purchase Parts:

- (1) There is only one replaceable part on the Wesco Drum Grabs: the "T" bolt P/N 052974. **To order, contact the factory at the phone or fax numbers shown above. Ask for the Customer Service Department.**

LIMITED WARRANTY

Wesco Industrial Products, Inc. (WESCO) warrants to the purchaser of this product for a period of ninety (90) days from the date of purchase that this product shall be free of defects in material and/or workmanship, as follows:

1. WESCO will supply, at no charge, new or rebuilt replacements for any part that fails through a defect in material and/or workmanship during the warranty period. To obtain warranty service, you must deliver the product prepaid, to the WESCO factory.
2. This warranty does not cover any product or product part which has been subject to accident, misuse, abuse or negligence. WESCO shall only be liable under this warranty if the product is used in the manner intended by the manufacturer as specified in the written instructions furnished with this product.

REPAIR OR REPLACEMENT AVAILABLE UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE PURCHASER. ANY EXPRESS WARRANTY NOT PROVIDED IN THIS WARRANTY DOCUMENT, AND ANY REMEDY FOR BREACH OF CONTRACT THAT, BUT FOR THIS PROVISION, MIGHT ARISE BY IMPLICATION OR OPERATION OF LAW.

55 Gallons Drum — les deux mâchoires dans la position extérieure et en inférieure.

30 Gallons Drum — les deux mâchoires dans la position intérieure et en supérieure.

Des mâchoires sont placées en augmentant à 90 degrés et en glissant vers le haut ou vers le bas. Pour la position supérieure, tenez la mâchoire en position en s'abaissant pour assurer la tige contagieuse d'arrêt.

Le modèle ADJ-253 (réglable)

Suivent la mâchoire plaçant des instructions pour ADJ-53. Le placement pour des tambours de 55 gallons est identique à DJ-255, des tambours de 30 gallons devraient être placés approximativement 4,5" à part et la barre de centre devrait être pliée vers le bas entre les mâchoires. Suivez les instructions d'utilisation pour DJ-255.

ENTRETIEN:

- (1) Lubrifiez les pièces mobiles périodiquement.

POUR LE SERVICE DE GARANTIE:

- (1) Si l'unité ne fonctionne pas correctement, entrez en contact avec votre distributeur ou l'usine (215-699-7031) pour des unités moins de quatre-vingt-dix jours de.

LE SERVICE DE NON-WARRANTY:

- (1) pour des unités plus vieux que pendant quatre-vingt-dix jours, peuvent être dépannés facilement avec les pièces autorisées par usine. **NOTE: N'envoyez pas les unités à l'usine pour le service sans obtenir "un nombre retourné d'autorisation de marchandises" du service après vente. Nous ne serons pas responsables des marchandises retournées sans autorisation appropriée.**

POUR ACHETER DES PIÈCES:

Il y a seulement une part remplaçable sur les encavateurs de tambour de Wesco: le boulon p/n 052974 d'" T ". Pour le commander pour entrer en contact avec l'usine aux numéros de fax de téléphone ou montrez ci-dessus.

DEMANDEZ LE SERVICE DE SERVICE À LA CLIENTÈLE.

Garantie limitée

Wesco Industrial Products, Inc. (WESCO) garantit à l'acheteur de ce produit une période de quatre-vingt-dix (90) jours à compter de la date d'achat, que ce produit sera exempt de défaut de matière et/ou de main-d'œuvre comme suit:

- (1)

El modelo ADJ-253 (ajustable) sigue la quijada que coloca las instrucciones para ADJ-53. La colocación para los tambores de 55 galones es igual que DJ-255. los tambores de 30 galones se deben colocar aproximadamente 4,5" aparte del centro se debe plegable abajo entre las quijadas. Siga las instrucciones del uso para DJ-255.

MANTENIMIENTO:

- (1) Lubrica piezas móviles periódicamente.

PARA EL SERVICIO DE LA GARANTÍA:

- (1) si la unidad no trabaja correctamente, entre en contacto con su distribuidor o la fábrica (215-699-7031) para las unidades menos de noventa días de viejo.

PARA EL SERVICIO DE NON-WARRANTY:

- (1) para las unidades más viejo de noventa días, se pueden reparar fácilmente con las piezas autorizadas fábrica. **NOTA: No envíe las unidades a la fábrica para el servicio sin la obtención "de un número vuelto de la autorización de las mercancías" del departamento de servicio. No seremos responsables de las mercancías vueltas sin la autorización apropiada.**

PARA COMPRAR PIEZAS:

Hay solamente una porción reemplazable en los ganchos agarradores del tambor de Wesco: el perno p/n 052974 de " T ". **Para pedirlo para entrar en contacto con la fábrica en los números del teléfono o de fax mostrados arriba. Pida el Departamento de Servicio de Cliente.**

GARANTÍA LIMITADA

Wesco Industrial Products, Inc. (WESCO) garantiza al comprador que por un periodo de noventa (90) días a partir de la fecha de compra, este producto estará libre de defectos de material y/o de mano de obra, de acuerdo a los siguientes detalles:

1. WESCO proporcionará, sin costo, piezas de repuesto nuevas o refaccionadas para sustituir cualquier pieza que falte, durante el periodo de vigencia de la garantía, por defectos de material y/o de mano de obra. Para obtener servicio dentro del periodo de garantía, deberá entregar el producto previamente pagado, a la fábrica WESCO.

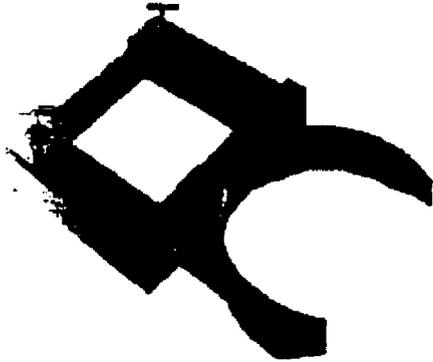
2. Esta garantía no cubre ningún producto ni pieza del mismo que haya sido objeto de accidente, uso inapropiado, abuso o negligencia. De acuerdo con esta garantía, WESCO solo será responsable si el producto fuera utilizado del modo en que lo recomienda el fabricante y tal como se especifica en las instrucciones escritas que acompañan al mismo.

LAS REPARACIONES O LOS CAMBIOS QUE SE ESTIPULAN EN LA PRESENTE GARANTÍA SON EL RECURSO EXCLUSIVO DEL COMPRADOR. POR LA PRESENTE SE EXCLUYE Y RENUNCIA A TODA GARANTÍA EXPRESA QUE NO SE ESTIPULE EN ESTE DOCUMENTO Y A TODO RECURSO POR INCUMPLIMIENTO DE CONTRATO QUE, DE TERCEROS, EXISTIERA EN LA PRESENTE DISPOSICIÓN. PUDIERA SURGIR POR EFECTO DEL MINISTERIO DE LA LEY. BAJO NINGUNA CIRCUNSTANCIA WESCO SERÁ RESPONSABLE.

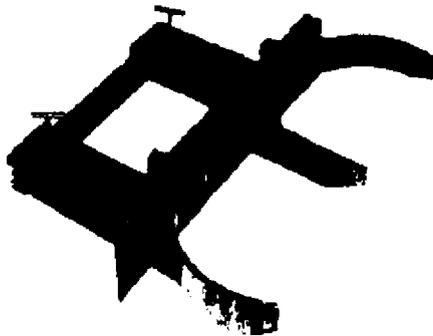
IS HEREBY EXCLUDED AND DISCLAIMED UNDER NO CIRCUMSTANCES SHALL WESCO BE LIABLE TO PURCHASER OR ANY OTHER PERSON FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES WHETHER ARISING OUT OF BREACH OF WARRANTY, EXPRESS OR IMPLIED, A BREACH OF CONTRACT OR OTHERWISE EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF

MERCHANT ABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE ARE EXPRESSLY LIMITED IN DURATION TO THE DURATION OF THIS LIMITED WARRANTY. Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long any implied warranty lasts, so the above limitations may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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Model DJ- 55



Model DJ- 255

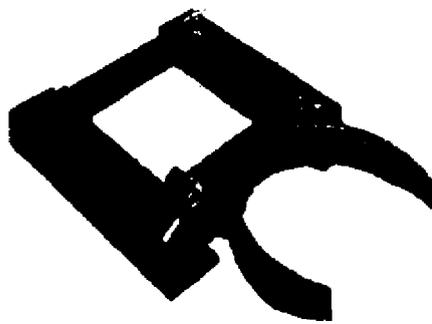
1. Durant la période de garantie, WESCO fournira, sans frais, des pièces de rechange neuves ou remises à neuf pour toutes pièces composant un vice de matière et/ou de main-d'œuvre. Pour obtenir un service couvert par la garantie, le produit doit être expédié à l'usine WESCO. Frais de port payés d'avance.

2. Cette garantie ne s'applique pas à un produit ou à une pièce ayant fait l'objet d'un accident, d'une mauvaise utilisation, d'un usage abusif ou de négligence. La responsabilité de WESCO en vertu de cette garantie s'applique uniquement si le produit a été utilisé tel que prévu par le fabricant, tel que spécifié dans les instructions écrites accompagnant le produit.

LES REPARATIONS OU LE REMPLACEMENT DE PIÈCES EN VERTU DE CETTE GARANTIE CONSTITUENT LE SEUL RECOURS DE L'ACHÉTEUR. TOUTE GARANTIE EXPRESSE NON MENTIONNÉE DANS LE PRÉSENT DOCUMENT DE GARANTIE, ET TOUT RECOURS POUR RUPTURE DE CONTRAT, SAUF SOUS CETTE DISPOSITION, POUVANT RÉSULTER D'UNE INCIDENCE DE DROIT OU DE L'ACTION D'UN LOI, EST PAR LA PRÉSENTE EXCLU ET DÉCLINÉ. WESCO NE SERA EN AUCUN CAS RESPONSABLE ENVERS L'ACHÉTEUR OU TOUTE AUTRE PERSONNE POUR TOUT DOMMAGE INDIRECT OU CONSÉCUTIF RÉSULTANT SOIT D'UNE RUPTURE DE GARANTIE, EXPRESSE OU IMPLICITE, D'UNE RUPTURE DE CONTRAT OU AUTREMENT SAUF DANS LA TENUE DÉFENDUE PAR LA LEGISLATION APPLICABLE. TOUTE GARANTIE IMPLICITE DE QUALITÉ MARCHANDE (OU D'ADAPTATION À UNE UTILISATION PARTICULIÈRE) EST EXPRESSÉMENT LIMITÉE À LA DURÉE DE CETTE GARANTIE LIMITÉE.

Cette limitation ne s'applique pas aux habitants des états où il n'est pas permis d'exclure ou de limiter les dommages indirects ou consécutifs, ou des états où des limitations sont permises sur la durée des garanties implicites. Cette garantie vous donne des droits légaux particuliers. Vous pouvez également avoir d'autres droits qui varient selon les états.

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Model ADJ - 53
30 Gallon Position



Model ADJ - 53
55 Gallon Position

ANTE EL COMPRADOR O ANTE CUALQUIER OTRA PERSONA POR DAÑOS INCIDENTALES O INDIRECTOS, YA SEAN PROVENIENTES DEL INCUMPLIMIENTO DE LA GARANTÍA, EXPRESO O IMPLÍCITO DEL INCUMPLIMIENTO DE CONTRATO O DE OTRO ORIGEN, SALVO EN LA MEDIDA QUE LO PERMITA LA LEY VIGENTE, LA DURACIÓN DE TODA GARANTÍA IMPLÍCITA DE COMERCIABILIDAD Y APTITUD PARA CUALQUIER FIN PARTICULAR, PODRÁ EXPRESAMENTE LIMITADA A LA DURACIÓN DE LA PRESENTE GARANTÍA LIMITADA.

Algunos estados no permiten la exclusión o limitación de daños incidentales o consecuentes, ni permiten establecer limitaciones respecto a la duración de cualquier garantía implícita, por lo cual las limitaciones mencionadas anteriormente podrían no aplicarse a usted. Esta garantía le confiere derechos legales específicos. Usted también podría tener otros derechos que podrían variar de estado en estado.

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TRAPOND (99-270-001)
Worksheet: FP213-1 - Clear & Grub around TAA

Worksheet Header
Quantity: 1.00 Unit: EA Estimator: JCG Revision: Start Date: End Date:

Work Codes

Formula Variables
Global Variables
BIDTOTALS 0.000

Line Resource	Description	Quantity	Unit	Manhours	Labor	erm	Material	Equipment	Supplies	Overhead	(Not Used)	Total Cost				
1.00 EQ98E2060	3/4in Pickup	5.00	HRS					7.86								7.86
2.00 LAB8L1202	Operator Foreman	5.00	HRS		1.00	31.64		1.58								31.65
3.00 EQ98E0942	Cat 986 5cy Loader	5.00	HRS					249.45								249.45
4.00 LAB8L1208	Operator Crane to 50in, Blade	5.00	HRS		5.00	155.15		49.88								155.15
5.00 EQ98E2010	12cy End Dump	5.00	HRS					398.90								398.90
6.00 LAB8L1803	Teamster Flatbed	5.00	HRS		10.00	289.20		79.78								289.20
7.00	Overhead	5.00	Hrs					656.23								1,132.2
8.00 STAS03	ST&S at 3%		%					131.25								14.2
Sheet Totals		1.00	EA		16.00	475.99		656.23	14.28							1,146.5

TRAPONL 3-270-001)
 Worksheet: FP213-2 - Excavate & Fill around TAA

Worksheet Header
 Quantity: 80.00 Unit: CY Estimator: JCG Revision:

Start Date:

End Date:

Work Codes

Formula Variables
 Global Variables
 BIDTOTALS 0.000
 Notes

Line Resource	Description	Quantity	Unit	Manhours	Labor	arm	Material	Equipment	Supplies	Overhead	(Not Used)	(Not Used)	(Not Used)	(Not Used)	Total Cost
1.00 EQ98E2060	3/4In Pickup	10.00	HRS					15.76	1.58						15.77
2.00 LABL1202	Operator Foreman	10.00	HRS	2.00	63.28										63.28
3.00 EQ98E0942	Cat 986 5cy Loader	10.00	HRS					498.80	49.89						498.80
4.00 LABL1208	Operator Crane to 50In. Blade	10.00	HRS	1.00	310.30										310.30
5.00 EQ98E0920	Bowmag J14W90	10.00	HRS					102.40	10.24						102.40
6.00 LABL1205	Operator Forklift	10.00	HRS	1.00	301.60										301.60
7.00 Crew Subtotal from:		10.00	Hrs	22.00	675.16			617.06	61.77						1,292.2
8.00 ST&S03	ST&S at 3%		%						20.26						20.26
Sheet Totals		80.00	CY	22.00	675.16			617.06	20.26						1,312.5

TRAPOND (99-270-001)
Worksheet: FP213-3 - Duct Bank Exc & Fill

Worksheet Header
Quantity: 50.00 Unit: CY Estimator: JCG Revision: Start Date: End Date:

Work Codes 01.00 C.S.I. Div 2 Site Work

Formula Variables
Global Variables
BIDTOTALS 0.000

Line Resource	Description	Quantity	Unit	Manhours	Labor	arm	Malaria	Equipment	Supplies	Overhead	(Not Used)	(Not Used)	(Not Used)	(Not Used)	Total Cost
1.00 EQ98E2060	3/4in Pickup	8.00	HRS					12.61	1.58						12.6
2.00 LAB8L1202	Operator Foreman	8.00	HRS	1.60	50.62										50.6
2.50 EQ98E0620	Bowmag BW90	8.00	HRS					40.96	5.12						40.9
3.00 EQ98E0930	Case 590 Loader/Hoe	8.00	HRS					242.48	30.31						242.4
4.00 LAB8L1203	Op FEL <4cy	8.00	HRS	1.50	353.64			44.21							353.6
5.00 LAB8L1103	Gen Labor	8.00	HRS	16.00	434.24			54.28							434.2
7.00 STAS03	ST&S at 3%		%						25.18						25.1
Sheet Totals		50.00	CY	29.60	838.50			296.05	37.01						1,134.5

TRAPUNL J-270-001)
Worksheet: FP213-4 - Ductbank Concrete

Worksheet Header
Quantity: 5.00 Unit: CY Estimator: JCG Revision: CY Start Date: End Date:

Work Codes

Formula Variables
Global Variables
BIDTOTALS 0.000

Line	Resource	Description	Quantity	Unit	Manhours	Labor	em	Material	Equipment	Supplies	Overhead	(Not Used)	Total Cost				
2.00	EQ98E2080	3/4in Pickup	10.00	HRS					15.76	1.58							15.76
3.00	LAB8L1202	Operator Foreman	10.00	HRS	2.00	63.28											63.28
4.00	MAT30301	Concrete	5.00	CY			400.00	80.00									400.00
		01.00 C.S.I. DN	3														80.00
		Concrete															
6.00	LAB8L0603	Cement Mason Journeyman	10.00	HRS	20.00	578.88											578.88
					2.00	57.88											57.88
7.00	Crew	Subtotal from	10.00	Hrs	22.00	641.88			15.76	1.58							657.6
					2.20	64.19											64.19
		578.88 at 5%		%						32.09							32.09
Sheet Totals																	
			5	CY	4.40	128.38	80.00	400.00	3.15	6.42							217.9
					22.00	641.88			15.76	32.09							1,089.7

TRAPOND (99-270-001)
 Worksheet: FP213-5 - Concrete Pads

Worksheet Header

Quantity: 5.00 Unit: CY Estimator: JCG Revision:

Start Date:

End Date:

Work Codes

Formula Variables

Notes

Global Variables
 BIOTOTALS 0.000

Line Resource	Description	Quantity	Unit	Manhours	Labor	em	Material	Equipment	Supplies	Overhead	(Not Used)	Total Cost				
1.00 MAT20202	Purchase 3/4 minns	10.00	CY				150.00									150.0
							15.00									15.0
2.00 MAT30301	Concrete	6.00	CY				480.00									480.0
							80.00									80.0
	01.00 C.S.I. DIV	3														
3.00 EQ99E2065	3/4in Pickup	10.00	HRS					15.76								15.7
								1.58								1.5
4.00 LABBL1202	Operator Foreman	10.00	HRS				63.28									63.2
							2.00									6.3
5.00 LABBL0403	Carpenter	10.00	HRS				602.00									602.0
							60.20									60.2
6.00 LABBL0603	Cement Mason Journeyman	10.00	HRS				30.00									30.0
							86.79									86.7
7.00 Crew Subtotal Item		10.00	Hrs				52.00	1,533.18								1,548.9
							5.20	153.32								
8.00 ST&S05	ST&S at 5%		%						76.66							76.6
	Sheet Totals	5.00	CY				10.40	306.64	128.00	3.15						451.1
							52.00	1,533.18	630.00	15.76						2,255.6

TRAPONC -270-001)
 Worksheet: FP213-6 - Move Drums

Worksheet Header
 Quantity: 19.00 Unit: EA Estimator: JCG Revision:
 Work Codes

Start Date:

End Date:

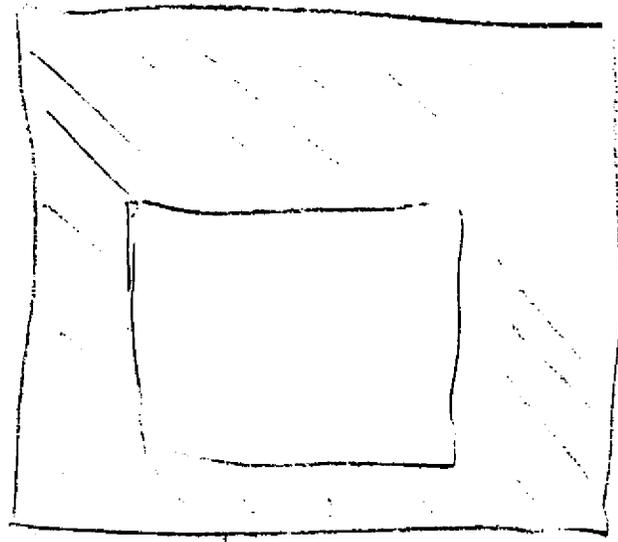
Formula Variables

Notes

Global Variables

BIOTOTALS 0.000

Line Resource	Description	Quantity	Unit	Manhours	Labor	em	Material	Equipment	Supplies	Overhead	(Not Used)	Total Cost				
1.00 MAT30302	Drum Handler Attachment	10.00	CF				600.00									600.00
2.00 EQ98E286C	3/4in Pickup	10.00	HRS					78.80	7.88							86.68
3.00 LAB01202	Operator Foreman	10.00	HRS	10.00	316.40											316.40
4.00 EQ98E094D	Rough Terrain Fork Ltr	10.00	HRS					437.80	43.78							481.58
5.00 LAB01205	Operator Forklr	10.00	HRS	10.00	301.60											301.60
6.00 LAB01103	Gen Labor	10.00	HRS	30.00	814.20											814.20
		10.00	Hrs	50.00	1,432.20			516.60	51.66							1,948.8
8.00 ST&SDS	ST&S at 5%		%						71.81							71.81
Sheet Totals		19.00	EA	2.83	75.38		31.58	27.19	3.77							137.9
				50.00	1,432.20		600.00	516.60	71.81							2,620.4



CLEAR & GRUB

1. CLEAR & GRUB
2. EX & FILL AROUND TAA 70 to 80 cy
3. EX & FILL DUCT BANK 3' x 3' x 70'
4. CONC PAD 12 x 20 x 6"
5. CONC PAD 3' x 3'
6. - 3/4 FILL UNDER CONC 10 CY
7. PURCHASE DRUM HANDLER \$600+ + FREIGHT
8. PLACE 19 DRUMS INTO TAA
9. MOB FORK LIFT



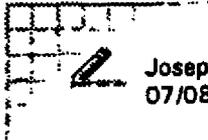
OU Number		CID Number	
Field Problem: <u>2-13</u>		Date: <u>7/6/99</u>	
Addresses: <u>KEVIN EBORN / PHOENIX</u>		Project Title/No.: <u>T-3 REMEDIAL ACTION WAG 2 0213</u>	Subcontract No.: <u>73449-T270-S3001-99</u>
Originator/Company: <u>J-A LANDIS / PARSONS</u>		References: Drawings/Specifications/Documents: <u>N/A</u>	
Subject: <u>ADDITIONAL WORK ON DECON PAD</u>			
Issue: <u>ADDITIONAL WORK IS REQUIRED AROUND & ON DECON PAD TO SUPPORT TAA INSTALLATION</u>			
<p>ITEM 1) CLEAR & GRUB THE AREA AROUND DECON PAD & EXL. SOIL TO EXISTING GRADE</p> <p>ITEM 2) INSTALL CONCRETE RAMP & STEP OFF PAD RAMP SHALL BE 12'X20'X6" AND STEP OFF PAD SHALL BE 3'X4'X3"</p> <p>ITEM 3) PURCHASE DRUM HANDLER AND PLACE DRUMS INTO TAA.</p> <p>ITEM 4) EXCAVATE 3'X3' TRENCH FROM LIFT STATION PAD TO DECON PAD AND POUR ELECTRICAL DUCT BANK</p>			
Recommended Solution: COST <input checked="" type="checkbox"/> Yes <input type="checkbox"/> no SCHEDULE <input type="checkbox"/> yes <input checked="" type="checkbox"/> no			
<u>PERFORM WORK AS STATED ABOVE.</u>			
Solution: Inspection Requirements: <u>YES</u> Affected Document: <u>N/A</u>			
VENDOR DATA REQUIRED: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO REVISED VOS ATTACHED: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO SUBMIT UNDER VOS ITEM NO. _____ QA REVIEW: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO ESM REVIEW: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO WELD LAB REVIEW: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
Agree with recommended solution. Subcontractor shall inspect concrete pours per the subcontract documentation.			
Project Manager/Date		Construction Engineer/Date	
		<u>[Signature] 7/6/99</u>	
Disposition: in accordance with Subcontract Section _____ Change Order _____			
If you consider that the information contained herein does involve a change in price or project completion date, immediately notify the Subcontract Administrator. Do not proceed with work until the price or project completion date change has been approved by the subcontract Administrator.			
Construction Engineer/Date		Subcontract Administrator/Date	
Subcontract Administrator/Date		Subcontractor Representative/Date	

To Be Completed By Construction Engineer / Project Manager

To Be Completed By Project Manager / Construction Engineer

To Be Completed By Subcontract Administrator

6-6311



Joseph A Landis
07/08/99 09:07 AM

To: Robert S Oliver/OLIVRS/NON/NEEL/US@INEL
cc:

Subject: Additional scope of work for Phenix

Bob, I would like Phenix to perform the following work. Clear and grub the area around the decon pad. Approximately 40 feet around the pad on the north side and 15 - 20 feet on the south, east and west sides. Excavate enough material to place the ramp pad (12 X 20) as well as excavate the soil on the north side of the pad to bring it down to existing grade of the road. Excavate a trench approximately 70 feet from the lift station pad to the decon pad. Pour a concrete pad 12' X 20' X 6" and a pad 3' X 3'. Purchase a drum handler and place the 19 drums into the TAA.

WE BUY FROM THEM
IT FITS ON A FORK LIFT

OU Number 2-13	CID Number 19
Field Problem Non-native grasses Originally Specified	
Date 07/28/99	
Addressee Phenix	Project Title/No TRA, WAG RD/RA
Originator/Company W.P. Taylor/Parsons I&T	Subcontract No. 134449-7290-53001-99
References: Drawings/Specifications/Documents in Spec for TRA, WAG-2 RD/RA Design	
Subject Vegetation-Seed Mix	
Issue: Revise seed mix as specified in Section 02930 to use all native grasses/brushes.	
Recommended Solution: COST <input type="checkbox"/> yes <input checked="" type="checkbox"/> no SCHEDULE <input type="checkbox"/> yes <input checked="" type="checkbox"/> no No price change.	
To Be Completed By Project Manager/Construction Engineer	Solution: _____ Inspection Requirements: <input checked="" type="checkbox"/> Affected Document: _____ VENDOR DATA REQUIRED: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO REVISED VDS ATTACHED: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO SUBMIT UNDER VDS ITEM NO. _____ QA REVIEW: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO ES&H REVIEW: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO WELD LAB REVIEW: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO _____ Project Manager/Date
To Be Completed by Subcontract Administrator	_____ Construction Engineer/Date _____ Construction Engineer/Date Disposition: In accordance with Subcontract Section 2.2.1 Change Order _____ If you consider that the information contained herein does involve a change in price or project completion date, immediately notify the Subcontract Administrator. Do not proceed with work until the price or project completion date change has been approved by the Subcontract Administrator. Subcontractor to proceed with revised seed mix as listed under Attachment 2, Technical Specifications, Section 02930, Part 2, para. 2.2.1 (attached revision to seed mix) _____ Subcontract Administrator/Date _____ Subcontract Representative/Date

The following seed mixture shall be used:

Species	(lb/acre pure live seed)
Streambank wheatgrass	5
Needle and Thread	5
X Lewis flax	1
X Milkvetch	0.5
X False Alfalfa	0.5
W Wyoming big Sage brush	0.25
W Winterfat	0.25

Replace with Seed Mixture Required per CID

2.2.2 Fertilizer

A starter fertilizer containing nitrogen, phosphorous, potassium, and sulfur shall be used. A 20-48-10 or Contractor approved equal will be acceptable.

Page 3 of 3

2.2.3 Mulch

The Subcontractor shall furnish all labor, materials, tools, and equipment to place a grain straw (wheat, oats, or barley) mulch on the reclaimed areas. The straw mulch shall be applied at the rate of 2 tons per acre. The straw mulch shall be clean, free of seed, and free of noxious weeds.

2.2.4 Equipment

The Subcontractor shall provide appropriate types of equipment for the performance of drill seeding and mulch spreading. Seeding of the grass species will be done with a rangeland grass drill equipped with multiple seed bins, depth bands, and press wheels. Drills should have agitators to prevent the seed from segregating and lodging in the seed box. The depth bands should be suitable for placing the seed at a depth that does not exceed 1/2 inch.

Mulch crimping equipment shall properly crimp the straw without cutting the straw. Discing equipment is not acceptable.

2.3 PRODUCT DELIVERY, STORAGE, AND HANDLING

2.3.1 Delivery

The Subcontractor shall deliver seed to the site in the original, unopened containers bearing the container labels or tags stating the producer's guaranteed statement of analysis.

2.3.2 Storage

Materials shall be stored in areas designated by the Contractor. Seed shall be stored in cool, dry locations away from contaminants and in accordance with manufacturer's recommendations. Storage times shall not exceed manufacturer's recommendations.

2.3.3 Handling

Except for bulk deliveries, the Subcontractor shall not drop or dump materials from vehicles.

Species	lb/acre pure live seed
“Critana” Teickspike wheatgrass <i>(Elymus lanceolatus)</i>	5
“Secar” Bluebunch wheatgrass <i>(Pseudoroegneria spicata)</i>	5
Northern sweetvetch <i>(Hedysarum boreale)</i>	0.5
Silverleaf lupine <i>(Lupinus argenteus)</i>	0.5
Wyoming big sagebrush <i>(Artemisia tridentata var. wyomingensis)</i>	0.5
Green rabbitbrush <i>(Chrysothamnus nauseosus)</i>	0.5
Total	12

OU Number 2-13 CID Number 2-13-TRA-020

Field Problem _____ Date 8/10/99

Address VEHL SPEN / AFDIX Project Title/No. WAL-2-13-0203 2ND DRILL TWIN Subcontract No. 134449-T290-53001-99

Originator/Company J.A. LANDIS / PARSONS References: Drawings/Specifications/Documents _____

Subject TAA SECURITY FENCE & FENCE AT THE NORTH WEST CORNER OF WWP CELL 52

Issue: SEVERAL HOLES NEED TO BE DRILLED FOR PLACING FENCE POSTS

Recommended Solution: COST yes no SCHEDULE yes no

Drill approximately 45-55 holes around TAA and near the North West corner of WWP Cell 52.

Solution: Inspection Requirements: N/A
Affected Document: N/A

VENDOR DATA REQUIRED: YES NO
REVISED VDS ATTACHED: YES NO
SUBMIT UNDER VDS ITEM NO. N/A
QA REVIEW: YES NO
ES&H REVIEW: YES NO
WELD LAB REVIEW: YES NO

Signature _____
Signature _____
Signature _____

AGREE WITH RECOMMENDED SOLUTION

J.A. Landis for Craig Rose per telecon 8/10/99
Project Manager/Date Construction Engineer/Date

Disposition: In accordance with Subcontract Section II Item 12 Change Order _____
If you consider that the information contained herein does involve a change in price or project completion date, immediately notify the Subcontract Administrator. Do not proceed with work until the price or project completion date change has been approved by the subcontract Administrator.

Subcontractor to proceed with additional work as recommended for the fixed price submitted on this CID.

Robert Oliver for Jody Landis per telecon 8/30/99
Construction Engineer/Date

Robert Oliver 8/30/99
Subcontract Administrator/Date

[Signature] 8-27-99
Subcontractor Representative/Date

To Be Completed By Construction Engineer/Project Manager

To Be Completed By Project Manager/Construction Engineer

To Be Completed By Subcontract Administrator

CHANGE ORDER COST PROPOSAL

1) MATERIAL COST AND LABOR MANHOUR BREAKDOWN:

See attached sheets

MATERIAL DESCRIPTION	UNIT OF MEASURE	QTY	UNIT COST	TOTAL COST	MAN HOUR UNIT	TOTAL MAN HOURS
_____	_____	_____	\$ _____	\$ _____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____
TOTAL MATERIAL COST =				\$ _____		

9. TOTAL AMOUNT - 1238

10. TIME EXTENSION _____ CALENDAR DAYS

11) REFERENCE APPROVED CONSTRUCTION SCHEDULE:

REV. NO.	DATE	SHEETS NO.	
_____	_____	_____	
NODE NO(S)	CALENDAR DAY (S)	NODE NO(S)	CALENDAR DAY(S)
_____	_____	_____	_____
_____	_____	_____	_____

TOTAL LABOR MANHOURS = _____

2) EQUIPMENT BREAKDOWN

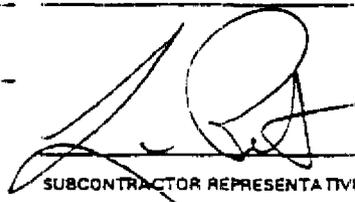
EQUIPMENT DESCRIPTION	HOURS	RATE	TOTAL AMOUNT
_____	X	_____	\$ _____
_____	X	_____	\$ _____
_____	X	_____	\$ _____

EFFECT ON CRITICAL PATH AND JUSTIFICATION FOR TIME EXTENSION:

TOTAL EQUIPMENT COST _____

3) CRAFT: OFF-SITE FABRICATION YES NO

_____ M/hrs	X \$ _____	M/hrs = _____	\$ _____
_____ M/hrs	X \$ _____	M/hrs = _____	\$ _____
_____ M/hrs	X \$ _____	M/hrs = _____	\$ _____
TOTAL MANHOURS		TOTAL LABOR	\$ _____

 _____

SUBCONTRACTOR REPRESENTATIVE

8-10-99 _____

DATE

APPROVED:

 _____

CONSTRUCTION ENGINEER

9/23/99 _____

DATE

4) MATERIAL: (SEE SUBSECTION NO. 1 FOR BREAKDOWN)

5) EQUIPMENT: (SEE SUBSECTION NO. 2 FOR BREAKDOWN)

6) LABOR: (SEE SUBSECTION NO. 3 FOR BREAKDOWN)

7) TOTAL DIRECT COST (ITEMS 4 THRU 6)

8) INDIRECT COST AT _____ %

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT	MATERIAL	LABOR	EQUIP	RATE	/UNIT	*HOU	RATE	COST	TOTALS
1	EXCAVATE FENCE POSTS	50.0	EA									
				EQUIPMENT								EQUIPMENT
				SKIDSTER					4	15.89	64	75
				PICKUP					2	6.25	13	
										0.00	0	
										0.00	0	LABOR
										0.00	0	370
										0.00	0	
										0.00	0	MATERIAL
										0.00	0	0
				LABOR								
				LABOR					4	34.53	138	
				OPERATOR					4	38.58	154	SUBCONTRA
				DRIVER						37.89	0	0
				SUPER					2	38.58	77	
				MATERIAL								ITEM COST
										0.00	0	448
										0.00	0	
										0.00	0	UNIT COST
										0.00	0	8.91

2	CONCRETE FENCE POSTS	50.0	EA									
				EQUIPMENT								EQUIPMENT
				PICKUP					2	6.25	13	13
										0.00	0	
										0.00	0	LABOR
										0.00	0	146
										0.00	0	
										0.00	0	MATERIAL
										0.00	0	340
				LABOR								
				LABOR					2	34.53	69	
				OPERATOR						38.58	0	SUBCONTRA
				DRIVER						37.89	0	0
				SUPER					2	38.58	77	
				MATERIAL								ITEM COST
				CONCRETE						85.00	40	499
										0.00	0	
										0.00	0	UNIT COST
										0.00	0	9.97

Order

2-13

CID Number

2-13-TRA-021

To Be Completed By Construction Engineer/Project Manager

Field Problem 7	Date
Addressee Bob Oliver Parsons	Project Title/No. TRA 002-13 W&A RA
Originator/Company Lance Peterson/Phenix	Subcontract No. 734449-T270-5301-99
Subject Stand down for security on Aug 3 rd	References: Drawings/Specifications/Documents
Issue: Parsons directed phenix to not work and attend Security Meetings	

Recommended Solution: COST yes no SCHEDULE yes no

To Be Completed by Project Manager/Construction Engineer

Solution:	Inspection Requirements	Affected Document
VENDOR DATA REQUIRED:	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
REVISED VDS ATTACHED:	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
SUBMIT UNDER VDS ITEM NO.		
QA REVIEW:	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	Signature _____
ES&H REVIEW	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	Signature _____
WELD LAB REVIEW:	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	Signature _____

[Signature] 8/27/99 *[Signature]* for *[Signature]* 8/27/99
 Project Manager/Date Construction Engineer/Date

To Be Completed By Subcontract Administrator

Disposition: In accordance with Subcontract Section _____ Change Order _____
 If you consider that the information contained herein does involve a change in price or project completion date, immediately notify the Subcontract Administrator. Do not proceed with work until the price or project completion date change has been approved by the subcontract Administrator

Subcontractor to be reimbursed for DOE directed stand-down. Estimate for cost is accepted as attached.

[Signature] for *[Signature]* 8/27/99
 Construction Engineer/Date
[Signature] 8/27/99
 Subcontract Administrator/Date

[Signature] 8-27-99

CONSTRUCTION INTERFACE DOCUMENT
(continued)

CHANGE ORDER COST PROPOSAL

1) MATERIAL COST AND LABOR MANHOURL BREAKDOWN:

See attached sheets # 2,274

MATERIAL DESCRIPTION	UNIT OF MEASURE	QTY	UNIT COST	TOTAL COST
_____	_____	_____	\$ _____	\$ _____
_____	_____	_____	\$ _____	\$ _____
_____	_____	_____	\$ _____	\$ _____
TOTAL MATERIAL COST =				\$ _____

MAN HOUR UNIT	TOTAL MAN HOURS	9) TOTAL AMOUNT	10) TIME EXTENSION _____ CALENDAR DAYS
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

11) REFERENCE APPROVED CONSTRUCTION SCHEDULE:

REV. NO.	DATE	SHEETS NO.
_____	_____	_____

NODE NO(S)	CALENDAR DAY (S)	NODE NO(S)	CALENDAR DAYS(S)
_____	_____	_____	_____

TOTAL LABOR MANHOURS = _____

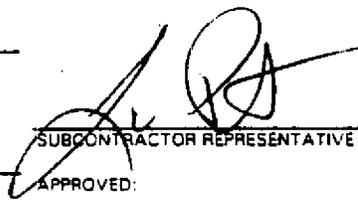
2) EQUIPMENT BREAKDOWN

EQUIPMENT DESCRIPTION	HOURS	RATE	TOTAL AMOUNT
_____	X _____	_____	\$ _____
_____	X _____	_____	\$ _____
_____	X _____	_____	\$ _____
TOTAL EQUIPMENT COST			\$ _____

EFFECT ON CRITICAL PATH AND JUSTIFICATION FOR TIME EXTENSION:

3) CRAFT: OFF-SITE FABRICATION YES NO

M/hrs	X	\$	M/hrs	=	\$
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
TOTAL MANHOURS					_____
TOTAL LABOR					\$ _____


 SUBCONTRACTOR REPRESENTATIVE
 APPROVED: _____
 DATE: 8-27-99


 CONSTRUCTION ENGINEER
 DATE: 8/27/99

- 4) MATERIAL: (SEE SUBSECTION NO. 1 FOR BREAKDOWN) \$ _____
- 5) EQUIPMENT: (SEE SUBSECTION NO. 2 FOR BREAKDOWN) \$ _____
- 6) LABOR: (SEE SUBSECTION NO. 3 FOR BREAKDOWN) \$ _____
- 7) TOTAL DIRECT COST (ITEMS 4 THRU 6) + A2B \$ _____
- 8.) INDIRECT COST AT _____ % \$ _____


 PROJECT MANAGER
 DATE: 8/27/99

PHENIX

REF NO	ITEM NO	ITEM DESCRIPTION	QUANTITY	UNIT	EQUIPMENT COST	LABOR COST	MATERIAL COST	MATERIAL MAINTENANCE COST	SUBCONTRACTOR COST	ITEM COST	UNIT COST	UNIT W/OHP	ITEM W/OHP	UNIT BID	TOTAL ITEM BID	DIFFERENCE																																
1	0	SECURITY STAND DOWN	1	LS	0	2274	0	2274	0	2274	\$2,274.46	\$2,274.46	\$2,274.46	\$2,274.00	\$2,274.00	(0)																																
<table border="1"> <thead> <tr> <th colspan="2">EQUIPMENT</th> <th colspan="2">TOTAL HOURS</th> </tr> </thead> <tbody> <tr> <td>EQUIPMENT COST</td> <td>\$0</td> <td>LABOR COST</td> <td>\$2,274</td> </tr> <tr> <td>MATERIAL COST</td> <td>\$0</td> <td>EQUIPMENT COST</td> <td>\$0</td> </tr> <tr> <td>MATERIAL MAINTENANCE COST</td> <td>\$2,274</td> <td>SUBCONTRACTOR COST</td> <td>\$0</td> </tr> <tr> <td>TOTAL RAW COST</td> <td>\$2,274</td> <td>TOTAL COST</td> <td>\$2,274</td> </tr> <tr> <td colspan="4"> <p>LABOR</p> <p>TOTAL HOURS</p> </td> </tr> </tbody> </table>																	EQUIPMENT		TOTAL HOURS		EQUIPMENT COST	\$0	LABOR COST	\$2,274	MATERIAL COST	\$0	EQUIPMENT COST	\$0	MATERIAL MAINTENANCE COST	\$2,274	SUBCONTRACTOR COST	\$0	TOTAL RAW COST	\$2,274	TOTAL COST	\$2,274	<p>LABOR</p> <p>TOTAL HOURS</p>											
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TOTAL W/OHP		TOTAL W/OHP																																														
TOTAL W/OHP	\$0	TOTAL W/OHP	\$2,274																																													
IN BALANCE	\$0	OH% of EQ + LABOR	0.00%																																													
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TOTAL WITH OVERHEAD & PROFIT	2,274																																															
BOND COST	0																																															
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TOTAL DIFFERENCE																																																
TOTAL BID	\$2,274																																															
TOTAL DIFFERENCE	(\$0)																																															

PHENDX

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT	MATERIAL	LABOR	EQUIP	RATE	UNIT	=HOU	RATE	COST	TOTALS
	SECURITY STAND DOWN	1.0	L.S.							0.00	0	EQUIPMENT
										0.00	0	0
										0.00	0	LABOR
										0.00	0	2.274
										0.00	0	MATERIAL
										0.00	0	0
				LABOR					10	34.53	345	
				LABOR					40	36.58	1,543	SUBCONTRA
				OPERATOR								0
				DRIVER						37.89		
				SUPER					10	38.58	386	
				MATERIAL								ITEM COST
					COST/UNI	UNITS		AMOU		0	Sub-	0
					0.00			0		0	Contract	0
					0.00			0		0	Cost (s)	0
					0.00			0		+++++		UNIT COST
												2274.46

Order # 2-13 C.I.D Number 2-13-TRA-022

Field Problem # 6 Date 8/23/99

Project Title/No. TRA 02 2-13 WAG RA Subcontract No. 734449-T370-SC9201

Originator/Company K Ebara Phoenix References: Drawings/Specifications/Documents

Subject Standby work stoppage on 8/23/99 CR

Issue: Work was stopped by Parsons due to accidents at other job sites

Recommended Solution: COST yes no SCHEDULE yes no

Reimburse for down time

Inspection Requirements: Affected Documents:

VENDOR DATA REQUIRED: YES NO
REVISED VDS ATTACHED: YES NO
SUBMIT UNDER VDS ITEM NO.
QA REVIEW: YES NO
ES&H REVIEW: YES NO
WELD LAB REVIEW: YES NO

accept as recommended.

[Signature] 8/27/99
Project Manager/Date

[Signature] For Lady Land's 8/27/99
Construction Engineer/Date

Disposition: In accordance with Subcontract Section Change Order
If you consider that the information contained herein does involve a change in price or project completion date, immediately notify the Subcontract Administrator. Do not proceed with work until the price or project completion date change has been approved by the Subcontract Administrator.

Subcontractor to be reimbursed for directed stop work. Estimate for cost is accepted as attached. (See attached interface memo)

[Signature] For Lady Land's 8/27/99
Construction Engineer/Date
Robert Oliver 8/27/99
Subcontract Administrator/Date

[Signature] 8-24-99
Subcontractor Representative/Date

CONSTRUCTION INTERFACE DOCUMENT
(continued)

CHANGE ORDER COST PROPOSAL

MATERIAL COST AND LABOR MANHOUR BREAKDOWN:

MATERIAL DESCRIPTION	UNIT OF MEASURE	QTY	UNIT COST	TOTAL COST	MAN HOUR UNIT	TOTAL MAN HOURS
_____	_____	_____	\$ _____	\$ _____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____
TOTAL MATERIAL COST =				\$ _____		

TOTAL LABOR MANHOURS = _____

EQUIPMENT BREAKDOWN:

EQUIPMENT DESCRIPTION	HOURS	RATE	TOTAL AMOUNT
_____	_____ X	\$ _____ =	\$ _____
_____	_____ X	\$ _____ =	\$ _____
_____	_____ X	\$ _____ =	\$ _____
_____	_____ X	\$ _____ =	\$ _____

TOTAL EQUIPMENT COST: _____

CRAFT: OFF-SITE FABRICATION YES NO

_____ M/Hrs	_____ x	\$ _____ M/Hr =	\$ _____
_____ M/Hrs	_____ x	\$ _____ M/Hr =	\$ _____
_____ M/Hrs	_____ x	\$ _____ M/Hr =	\$ _____
_____ M/Hrs	_____ x	\$ _____ M/Hr =	\$ _____

_____ **TOTAL MANHOURS** **TOTAL LABOR** \$ _____

MATERIAL: (SEE SUBSECTION NO. 1 FOR BREAKDOWN) \$ _____

EQUIPMENT: (SEE SUBSECTION NO. 2 FOR BREAKDOWN) \$ _____

LABOR: (SEE SUBSECTION NO. 3 FOR BREAKDOWN) \$ _____

TOTAL DIRECT COST (ITEMS 4 THRU 8) \$ _____

INDIRECT COST AT _____ % \$ _____

9) TOTAL AMOUNT *See attached sheets 4,067*

10) TIME EXTENSION _____ CALENDAR DAYS

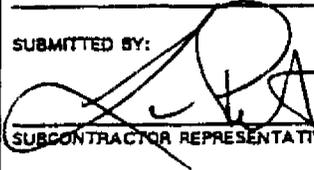
11) REFERENCE APPROVED CONSTRUCTION SCHEDULE:

REV. NO. _____ DATE _____ SHEET NO. _____

NODE NOS(S) _____ CALENDAR DAY(S) _____

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

EFFECT ON CRITICAL PATH AND JUSTIFICATION FOR TIME EXTENSION:

SUBMITTED BY:  8-24-99
SUBCONTRACTOR REPRESENTATIVE DATE

APPROVED:  8/27/99
CONSTRUCTION ENGINEER DATE

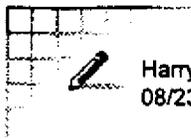
 8/27/99
PROJECT MANAGER DATE

PHENIX

REF. NO.	ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT	EQUIPMENT COST	LABOR COST	MATERIAL COST	MATERIAL EQ. COST	SUBCONTR. COST	ITEM COST	UNIT COST	UNIT W/CHP	ITEM W/CHP	UNIT BID	TOTAL ITEM BID	± DIFFERENCE	
1	0	STANDDOWN	1	L.S.	1066	2999	0	4,067	0	4,067	\$4,067.06	\$4,067.06	\$4,067.06	\$4,067.00	\$4,067.00	1	(0)
EQUIPMENT																	
TOTAL HOURS																	
EQUIPMENT COST					\$1,066	\$2,999	\$0	\$4,067	\$0	\$4,067	\$4,067						
LABOR																	
TOTAL HOURS																	
LABOR COST																	
TOTAL RAW COST																	
SURVEY																	
MOBILIZATION																	
WEEKS SUPERVISION					0				1200								
SALES TAX ON MATERIAL									0.00%								
TOTAL RAW COST																	
OVERHEAD W/O SUBCONTRACTS									0.00%								
PROFIT ON OVERHEAD									0.00%								
MATERIALS									0.00%								
LABOR & EQUIPMENT COSTS									0.00%								
SUBCONTRACTORS COST									0.00%								
TOTAL PROFIT									9.00% OF COSTS								
TOTAL WITH OVERHEAD & PROFIT																	
BOND COST									0.0%								
TOTAL JOB COST																	
TOTAL W/CHP																	
IN BALANCE?																	
TOTAL BID																	
TOTAL DIFFERENCE																	

PHENIX

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT	MATERIAL	LABOR	EQUIP	RATE	UNIT	=HOU	RATE	COST	TOTALS
	STANDDOWN	1.0	L.S.									
				EQUIPMENT								
				LOADER					20	25.72	514	EQUIPMEN
				BACKHOE					20	2.40	240	1,062
				TRUCK					10	24.35	244	
				PICKUP					10	25	63	LABOR
										30	0	2,999
										30	0	
										30	0	MATERIAL
											0	0
				LABOR								
				LABOR					20	34.53	691	
				OPERATOR					40	38.58	1,543	SUBCONTRA
				DRIVER					10	37.89	379	0
				SUPER					10	38.58	386	
				MATERIAL								ITEM COST
					COST/UNI	UNITS	AMOU					
					0.00		0	Sub-			0	4,067
					0.00		0	Contract			0	
					0.00		0	Cost (\$)			0	UNIT COST
					0.00		0	-----			0	4067.06



Harry D Williams
08/23/99 06:37 AM

To: Craig L Reese/ACR/NON/INEEL/US@INEL, Joseph A Landis/LANDJA/NON/INEEL/US@INEL
cc:

Subject: STAND DOWN FOR ALL ER FIELD ACTIVITIES

HEADS UP!!!!!!!!!!!!!!!!!!!!

Forwarded by Harry D Williams/WILLHD/LMITCO/INEEL/US on 08/23/99 06:37 AM



Kathleen L Falconer
08/20/99 04:31 PM

To: ER
cc: George E Ellis/GEE/LMITCO/INEEL/US@INEL, Roger Jones/RRK/LMITCO/INEEL/US@INEL, William W Gay/WWG/LMITCO/INEEL/US@INEL, James A Van Vliet/JVV/LMITCO/INEEL/US@INEL, Harold T Conner/CONNHT/NON/INEEL/US@INEL, Michael J Wolters/WOLTMJ/NON/INEEL/US@INEL

Subject: STAND DOWN FOR ALL ER FIELD ACTIVITIES

As most of you with field activities have been informed either personally or by phone, we have planned a stand down of all ER Field Activities for Monday, August 23. The need for this stand down was made apparent by two safety related incidents this week. Incidents, that are out of character given our exemplary safety record. My goal for this stand down is for everyone to refocus on our most important priority and that is the SAFE performance of our work.

Your Department Manager will be leading this activity with full support from David Carlson, Roger Jones, Charlie Chebul and their respective Departments.

Recommendations for ER Field Activities stand down planned for Monday, August 23.

For each field project.

1. Assemble hazard identification and control information from the following sources:
 1. project HASP
 2. project planning document Hazard Identification Matrix (STD-101 projects)
 3. project planning Hazard Screening Checklist (MCP-3562 projects)
 4. Facility Hazard List (do not rely on HIM or HSC for this)

2. Cross check HIM or HSC completed checklists against the FHL and the project HASP to assure that all documents agree on hazard identification. If HIM or HSC is incomplete, perform initial revision.

3. With project workers, have project lead or FTL review with the workers and support personnel, MCP-553, STOP WORK AUTHORITY, emphasizing employees need to take responsibility for their safety and examine other employees safety performance. Document that review as tailgate training.

4. Perform project walk down with HIM or HSC (revised as necessary per step 2). Walkdown to include all project/facility assigned S&H support personnel, FTL's, project leads and workers (crafts and/or subcontractors) and planners. Re-identify and re-assess all potential hazards within the work area (whether or not it is related to or associated with the proposed work activity). If the HIM or HSC is determined to be incorrect, revise these documents, which leads to updates to the project HASPs and work control documents, prior to resuming remedial work. Some of the walk downs should include ER ESH&Q Manager or assigned safety lead and assigned environmental lead or designated environmental personnel.

5. Use walk down as a field training exercise (accountable as a pre-job brief or OTJ safety training) for hazard recognition.

6. For any projects where the FHL is found to be deficient, provide notification to facility SAD.

7. For any projects where the HIM or HSC are found to be deficient, discuss deficiencies with the planning team and prepare and issue lessons learned using the current INEEL lessons learned process.

Thank you for your support and participation for this important activity.



OU Number 2-13 CID Number 2-13-TRA-023

Field Problem Date 9/7/99

Addressee KELLY EBORN / PHENIX Project Title/No. TRA WAG 2 REMEDIAL ACTION Subcontract No. 73449-T270-SC3001

Originator/Company J. LANDIS / PARSONS References: Drawings/Specifications/Documents N/A

Subject TIRES

Issue: THERE ARE TIRES THAT WERE USED AS (BLASTING (SHOCKING)) WHEN MTR, ETR & ATR FOUNDATIONS WERE EXCAVATED THESE TIRES ARE WAST AND NEED TO BE REMOVED FROM THE SITE.

Recommended Solution: COST [x] yes [] no SCHEDULE [] yes [x] no REMOVE TIRES FROM SITE AND DELIVER THEM TO OFF SITE VENDOR.

Solution: Inspection Requirements: N/A Affected Document: N/A VENDOR DATA REQUIRED: [] YES [x] NO REVISIONS ATTACHED: [] YES [x] NO SUBMIT UNDER VDS ITEM NO. QA REVIEW: [] YES [x] NO ESAH REVIEW: [] YES [x] NO WELD LAB REVIEW: [] YES [x] NO Signature: [] Signature: [] Signature: [] Agree with Recommended Solution. J. Landis for Kelly Eborn per Telus 9/7/99 J. Landis 9/7/99

Disposition: In accordance with Subcontract Section 14. Item 12 Change Order. If you consider that the information contained herein does involve a change in price or project completion date, immediately notify the Subcontract Administrator. Do not proceed with work until the price or project completion date change has been approved by the subcontract Administrator. Subcontractor shall proceed as recommended at the agreed fixed price listed on this CID. J. Landis 9/9/99 Construction Engineer/Date Robert A. Oliver 9/14/99 Subcontract Administrator/Date [Signature] 9-8-99 Subcontractor Representative/Date

To Be Completed By Construction Engineer/Project Manager

To Be Completed By Project Manager/Construction Engineer

To Be Completed By Subcontract Administrator

CONSTRUCTION INTERFACE DOCUMENT
(continued)

CHANGE ORDER COST PROPOSAL

1) MATERIAL COST AND LABOR MANHOUR BREAKDOWN:

MATERIAL DESCRIPTION	UNIT OF MEASURE	QTY	UNIT COST	TOTAL COST	MAN HOUR UNIT	TOTAL MAN HOURS
_____	_____	_____	\$ _____	\$ _____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____
TOTAL MATERIAL COST =				\$ _____		
TOTAL LABOR MANHOURS =					_____	

2) EQUIPMENT BREAKDOWN

EQUIPMENT DESCRIPTION	HOURS	RATE	TOTAL AMOUNT
_____	X	_____	= \$ _____
_____	X	_____	= _____
_____	X	_____	= \$ _____
TOTAL EQUIPMENT COST			_____

3) CRAFT: OFF-SITE FABRICATION YES NO

_____ M/hrs	X \$ _____	M/hrs = _____	\$ _____
_____ M/hrs	X \$ _____	M/hrs = _____	\$ _____
_____ M/hrs	X \$ _____	M/hrs = _____	\$ _____
TOTAL MANHOURS		TOTAL LABOR	\$ _____

4) MATERIAL: (SEE SUBSECTION NO. 1 FOR BREAKDOWN)

5) EQUIPMENT: (SEE SUBSECTION NO. 2 FOR BREAKDOWN)

6) LABOR: (SEE SUBSECTION NO. 3 FOR BREAKDOWN)

7) TOTAL DIRECT COST (ITEMS 4 THRU 8)

8) INDIRECT COST AT _____ %

MAN HOUR UNIT
TOTAL MAN HOURS

9. TOTAL AMOUNT -

10. TIME EXTENSION _____ CALENDAR DAYS

11) REFERENCE APPROVED CONSTRUCTION SCHEDULE:

REV. NO. _____ DATE _____ SHEETS NO. _____

NODE NO(S) _____ CALENDAR DAY (S) _____ NODE NO(S) _____ CALENDAR DAYS(S) _____

EFFECT ON CRITICAL PATH AND JUSTIFICATION FOR TIME EXTENSION:

SUBCONTRACTOR REPRESENTATIVE

DATE

APPROVED:

CONSTRUCTION ENGINEER

DATE

PROJECT MANAGER

D'

See Attached sheets

101

9.8.99

9/9/99

9/23/99

REF. NO.	ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT	EQUIPMENT COST	LABOR COST	MATERIAL COST	EQUIPMENT MAINT COST	SUBCONTRACTOR COST	ITEM COST	UNIT COST	UNIT W/OHP	ITEM W/OHP	UNIT BID	TOTAL ITEM BID	DIFFERENCE	
1	0	REMOVE TIRES TO IDAHO FALL	1	L.S.	198	374	249	820	0	820	\$820.10	\$1,072.33	\$1,072.33	\$1,070.00	\$1,070.00	(2)	
EQUIPMENT					TOTAL HOURS												
LABOR					TOTAL HOURS												
					EQUIPMENT COST	LABOR COST	MATERIAL COST	EQUIPMENT MAINT COST	SUBCONTRACTOR COST	ITEM COST	TOTAL COST	TOTAL W/OHP		TOTAL BID	\$1,070	TOTAL DIFFERENCE (\$2)	
					\$198	\$374	\$249	\$820	\$0	\$820	\$0	\$820	\$1,072				
					SURVEY												
					MONUMENTATION												
					0 WEIRS SUPERVISION				1200								
					SALES TAX ON MATERIAL				5.00%								
					TOTAL RAW COST				\$833								
					OVERHEAD W/O SUBCONTRACTS				12.00%								
					PROFIT ON:												
					OVERHEAD				15.00%		17						
					MATERIALS				15.00%		37						
					LABOR & EQUIPMENT COSTS				15.00%		86						
					SUBCONTRACTORS COST				10.00%		0						
					TOTAL PROFIT				18.80%		140						
					TOTAL WITH OVERHEAD & PROFIT						1,072						
					BOND COST						0						
					TOTAL JOB COST						\$1,072						
					IN BALANCE?												
					0.00%												
					OH% of EQ + LABOR				20.4%								

PHENIX

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT	MATERIAL	LABOR	EQUIP	RATE	/UNIT	=HOU	RATE	COST	TOTALS
	REMOVE TIRES TO IDAHO FALL	1.0	L.S.						2	25.72	51	EQUIPMEN
									6	24.35	146	19
										0.00	0	
		166	TIRES							0.00	0	LABOR
										0.00	0	374
										0.00	0	
										0.00	0	MATERIAL
										0.00	0	249
									2	34.53	69	
									2	38.58	77	SUBCONTRA
									6	37.68	227	0
										38.58	0	
												ITEM COST
												820
												UNIT COST
												820.10

CONSTRUCTION INTERFACE DOCUMENT
(continued)

CHANGE ORDER COST PROPOSAL

1) MATERIAL COST AND LABOR MANHOUR BREAKDOWN:

MATERIAL DESCRIPTION	UNIT OF MEASURE	QTY	UNIT COST	TOTAL COST	MAN HOUR UNIT	TOTAL MAN HOURS
_____	_____	_____	\$ _____	\$ _____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____
TOTAL MATERIAL COST =				\$ _____		
TOTAL LABOR MANHOURS =					_____	

9. TOTAL AMOUNT - *See Attached Sheets* \$2100
 10. TIME EXTENSION _____ CALENDAR DAYS

11) REFERENCE APPROVED CONSTRUCTION SCHEDULE:

REV. NO.	DATE	SHEETS NO.	
_____	_____	_____	
NODE NO(S)	CALENDAR DAY (S)	NODE NO(S)	CALENDAR DAYS(S)
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

2) EQUIPMENT BREAKDOWN

EQUIPMENT DESCRIPTION	HOURS	RATE	TOTAL AMOUNT
_____	X	_____	= \$ _____
_____	X	_____	= \$ _____
_____	X	_____	= \$ _____
TOTAL EQUIPMENT COST			\$ _____

EFFECT ON CRITICAL PATH AND JUSTIFICATION FOR TIME EXTENSION:

3) CRAFT: OFF-SITE FABRICATION __ YES __ NO

_____ M/hrs	X \$ _____	M/hrs =	\$ _____
_____ M/hrs	X \$ _____	M/hrs =	\$ _____
_____ M/hrs	X \$ _____	M/hrs =	\$ _____
TOTAL MANHOURS	TOTAL LABOR		\$ _____

[Signature] 9-8-99
 SUBCONTRACTOR REPRESENTATIVE DATE

APPROVED:
[Signature] 9/9/99
 CONSTRUCTION ENGINEER DATE

4) MATERIAL: (SEE SUBSECTION NO. 1 FOR BREAKDOWN)

5) EQUIPMENT: (SEE SUBSECTION NO. 2 FOR BREAKDOWN)

6) LABOR: (SEE SUBSECTION NO. 3 FOR BREAKDOWN)

7) TOTAL DIRECT COST (ITEMS 4 THRU 6)

8) INDIRECT COST AT _____ %

[Signature] 9/23/99
 PROJECT MANAGER

REF. NO.	ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT	EQUIPMENT COST	LABOR COST	MATERIAL COST	EQUIP. MAINT. COST	SUBCONTR. COST	ITEM COST	UNIT COST	UNIT W/CHP	ITEM W/CHP	UNIT BID	TOTAL ITEM BID	% DIFFERENCE	
	1	0 SLOPE SIDEWALLS DITCH AND SEED	1	L.S.	320	1310	0	1630	0	1630	\$1,629.53	\$2,088.84	\$2,088.84	\$2,100.00	\$2,100.00	1	\$1
EQUIPMENT					\$320	\$1,310	\$0	\$1,630	\$0	\$1,630	\$1,630	TOTAL W/CHP	\$2,089	TOTAL BID	\$2,100	TOTAL DIFFERENCE	\$1
LABOR																	
TOTAL HOURS																	
TOTAL COST																	
TOTAL WITH OVERHEAD & PROFIT																	
BOND COST																	
TOTAL JOB COST																	
TOTAL RAW COST																	
SURVEY																	
MOBILIZATION																	
0 WEEKS SUPERVISION									1200								
SALES TAX ON MATERIAL									5.00%								
TOTAL RAW COST										\$1,630							
* OVERHEAD W/O SUBCONTRACTS									12.00%		196						
* PROFIT ON:																	
OVERHEAD									15.00%		29						
MATERIALS									15.00%		0						
LABOR & EQUIPMENT COSTS									15.00%		244						
SUBCONTRACTORS COST									10.00%		0						
TOTAL PROFIT									16.80% OF COSTS		274						
* TOTAL WITH OVERHEAD & PROFIT									0.0%		2,089						
* BOND COST											0						
* TOTAL JOB COST											2,089						
OH% OF EQ. + LABOR									13.6%								
IN BALANCED									\$0.00								
SALES TAX									0.00%								
TOTAL W/CHP											\$2,089						
TOTAL BID											\$2,100						
TOTAL DIFFERENCE											\$1						

PHENDX

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT	MATERIAL	LABOR	EQUIP	RATE	UNIT	AMOU	RATE	COST	TOTALS
1	SLOPE SIDEWALLS DITCH AND SEED	1.0	L.S.	EQUIPMENT				10		26.84	268	EQUIPME
				EXCAVATOR				5		6.25	31	31
				PICKUP						0.00	0	
										0.00	0	LABOR
										0.00	0	1,310
										0.00	0	MATERIAL
										0.00	0	0
				LABOR				10		34.53	345	
				LABOR OPERATOR				20		38.58	772	SUBCONTRA
				DRIVER						37.89	0	0
				SUPER				5		38.58	193	
				MATERIAL								ITEM COST
					COST/UNI	UNITS		AMOU		Sub-	0	1,630
					0.00			0		Contract	0	
					0.00			0		Cost (\$)	0	UNIT COST
					0.00			0		+++++	0	1629.53

OU Number 2-13	CID Number 2-13-TRA-025
Field Problem	
Date 8/25/99	
Address KELLY BOEN / PHOENIX	Project Title/No. TRA CU2-13 Remedial Action
Originator/Company J.A. LANDIS / PARSONS	Subcontract No. 734449-T270-S3001-99
References: Drawings/Specifications/Documents N/A	
Subject SUMP REMOVAL	
Issue: SUMP, SUMP lid AND T-post FENCE AROUND TAA PAD NEEDS TO BE REMOVED. I	
Recommended Solution: COST <input checked="" type="checkbox"/> yes <input type="checkbox"/> no SCHEDULE <input type="checkbox"/> yes <input checked="" type="checkbox"/> no REMOVE SUMP, sump lid AND T-post FENCE From Around TAA PAD. AND BACKFIT SUMP AREA.	
Solution:	
Inspection Requirements: N/A	
Affected Document: N/A	
VENDOR DATA REQUIRED: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO REVISED VDS ATTACHED: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO SUBMIT UNDER VDS ITEM NO. N/A QA REVIEW: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO ES&H REVIEW: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO WELD LAB REVIEW: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
Signature _____ Signature _____ Signature _____	
Agree with recommended solution	
J.A. Landis for Craig Rose per telecon 8/31/99 Project Manager/Date	
J.A. Landis 8/25/99 Construction Engineer/Date	
Disposition: In accordance with Subcontract Section #4 Item 12 Change Order _____	
If you consider that the information contained herein does involve a change in price or project completion date, immediately notify the Subcontract Administrator. Do not proceed with work until the price or project completion date change has been approved by the subcontract Administrator.	
Proceed as recommended at the agreed fixed price amount on this CID	
J.A. Landis 9/2/99 Construction Engineer/Date	
Khabat Othman 9/23/99 Subcontract Administrator/Date	
[Signature] 9-23-99 Subcontractor Representative/Date	

To Be Completed By Construction Engineer/Project Manager

To Be Completed By Project Manager/Construction Engineer

Initiated By Subcontract Administrator

CONSTRUCTION INTERFACE DOCUMENT
(continued)

CHANGE ORDER COST PROPOSAL

1) MATERIAL COST AND LABOR MANHOUR BREAKDOWN:

MATERIAL DESCRIPTION	UNIT OF MEASURE	QTY	UNIT COST	TOTAL COST	MAN HOUR UNIT	TOTAL MAN HOURS
_____	_____	_____	\$ _____	\$ _____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____
_____	_____	_____	\$ _____	\$ _____	_____	_____
TOTAL MATERIAL COST =				\$ _____		

TOTAL LABOR MANHOURS = _____

2) EQUIPMENT BREAKDOWN

EQUIPMENT DESCRIPTION	HOURS	RATE	TOTAL AMOUNT
_____	X	_____	= \$ _____
_____	X	_____	= \$ _____
_____	X	_____	= \$ _____

TOTAL EQUIPMENT COST _____

3) CRAFT: OFF-SITE FABRICATION ___ YES ___ NO

_____ M/hrs	X	\$ _____	M/hrs =	\$ _____
_____ M/hrs	X	\$ _____	M/hrs =	\$ _____
_____ M/hrs	X	\$ _____	M/hrs =	\$ _____
TOTAL MANHOURS		TOTAL LABOR	\$	_____

4) MATERIAL: (SEE SUBSECTION NO. 1 FOR BREAKDOWN)

5) EQUIPMENT: (SEE SUBSECTION NO. 2 FOR BREAKDOWN)

6) LABOR: (SEE SUBSECTION NO. 3 FOR BREAKDOWN)

7) TOTAL DIRECT COST (ITEMS 4 THRU 6)

8) INDIRECT COST AT _____ %

9. TOTAL AMOUNT - See attached sheets 716.00

10. TIME EXTENSION _____ CALENDAR DAYS

11) REFERENCE APPROVED CONSTRUCTION SCHEDULE:

REV. NO.	DATE	SHEETS NO.	
_____	_____	_____	
NODE NO(S)	CALENDAR DAY (S)	NODE NO(S)	CALENDAR DAYS(S)
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

EFFECT ON CRITICAL PATH AND JUSTIFICATION FOR TIME EXTENSION:

[Signature] 8-31-99
SUBCONTRACTOR REPRESENTATIVE DATE

APPROVED:
[Signature] 9/2/99
CONSTRUCTION ENGINEER DATE

[Signature] 9/23/99
PROJECT MANAGER DATE

PHENDX

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT	MATERIAL	LABOR	EQUIP	RATE	AUNIT	=HOU	RATE	COST	TOTALS
1	DEMO HOLDING TANK	1.0	EA	EQUIPMENT								EQUIPMENT
				BACKHOE					4	12.40	50	111
				TRUCK					2	24.35	49	
				PICKUP					2	6.25	13	
										0.00	0	LABOR
										0.00	0	445
										0.00	0	MATERIAL
										0.00	0	0
				LABOR					4	34.53	138	
				LABOR					4	38.58	154	SUBCONTRA
				OPERATOR					2	37.89	76	0
				DRIVER					2	38.58	77	
				SUPER								
				MATERIAL								ITEM COST
							COST/UNI	UNITS	AMOU			556
							0.00		0	Sub-	0	
							0.00		0	Contract	0	
							0.00		0	Cost (s)	0	UNIT COST
							0.00		0	++++++	0	556.20

REF NO	ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNIT	EQUIPMENT COST	LABOR COST	MATERIAL COST	EQUIPMENT MAINT COST	SUBCONTR COST	ITEM COST	UNIT COST	UNIT W/CHP	ITEM W/CHP	UNIT BND	TOTAL ITEM BND	TOTAL DIFFERENCE	
1	0	DEMO HOLDING TANK	1	EA	111	445	0	556	0	556	\$556.20	\$716.39	\$716.39	\$716.00	\$716.00	(0)	
EQUIPMENT					TOTAL HOURS												
					EQUIPMENT COST	LABOR COST	MATERIAL COST	EQUIPMENT MAINT COST	SUBCONTR COST	TOTAL COST							
					\$111	\$445	\$0	\$556	\$0	\$556	\$0	\$0	\$0	\$0	\$0	\$0	\$0
					SURVEY MOBILIZATION 0 WEEKS SUPERVISION SALES TAX ON MATERIAL TOTAL RAW COST \$556												
					* OVERHEAD W/ND SUBCONTRACTS @ 12.00% * PROFIT @ 15.00% * OVERHEAD @ 15.00% * MATERIALS @ 15.00% * FACTORIES COST @ 10.00% * TOTAL WITH OVERHEAD & PROFIT 18.80% OF COSTS * BOND COST @ 0.00% * TOTAL JOB COST \$716												
LABOR																	
TOTAL HOURS																	
					TOTAL W/CHP												
					\$716												
					TOTAL BND												
					\$716												
					TOTAL DIFFERENCE												
					(\$0)												