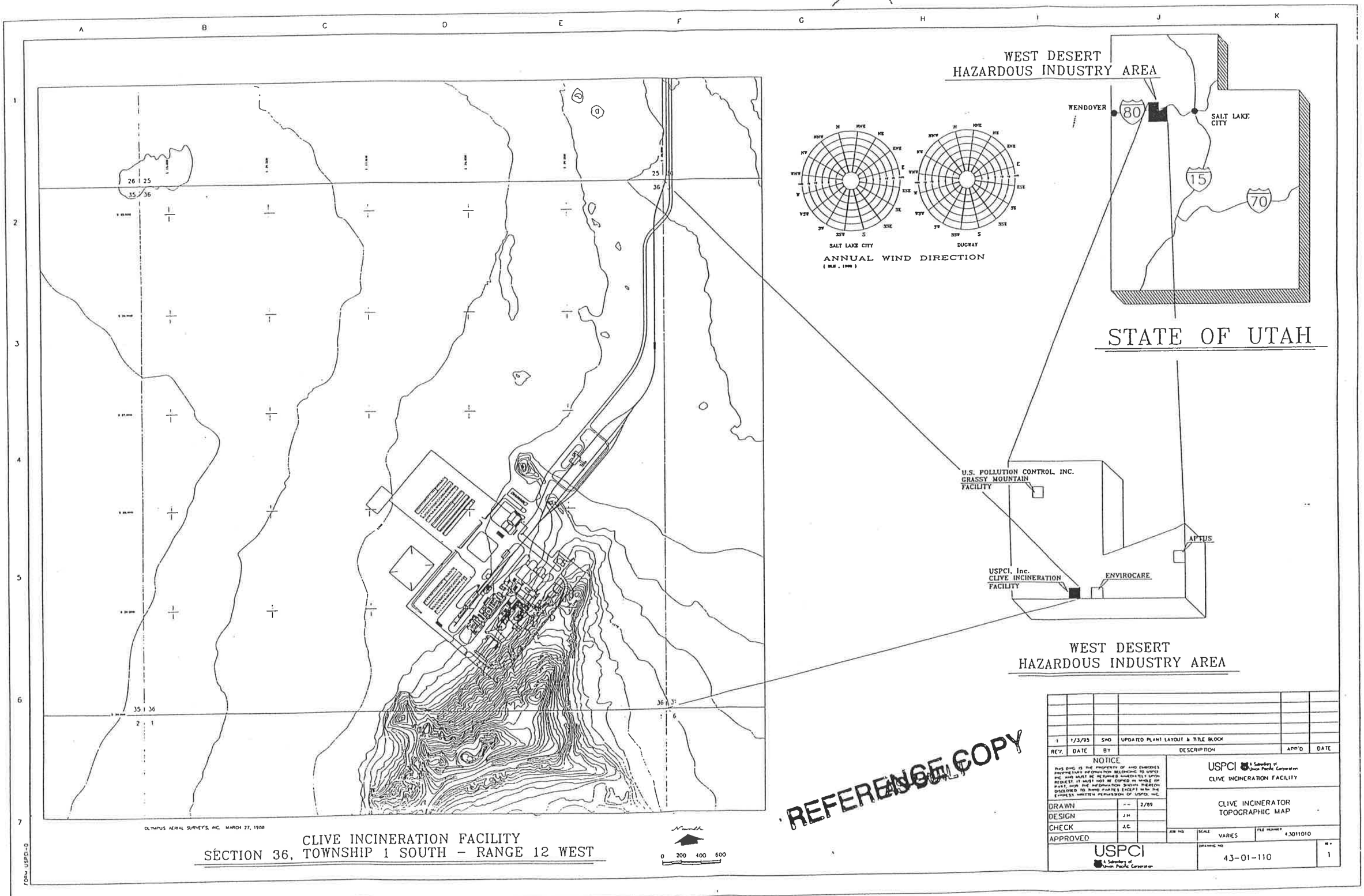
ATTACHMENT 9

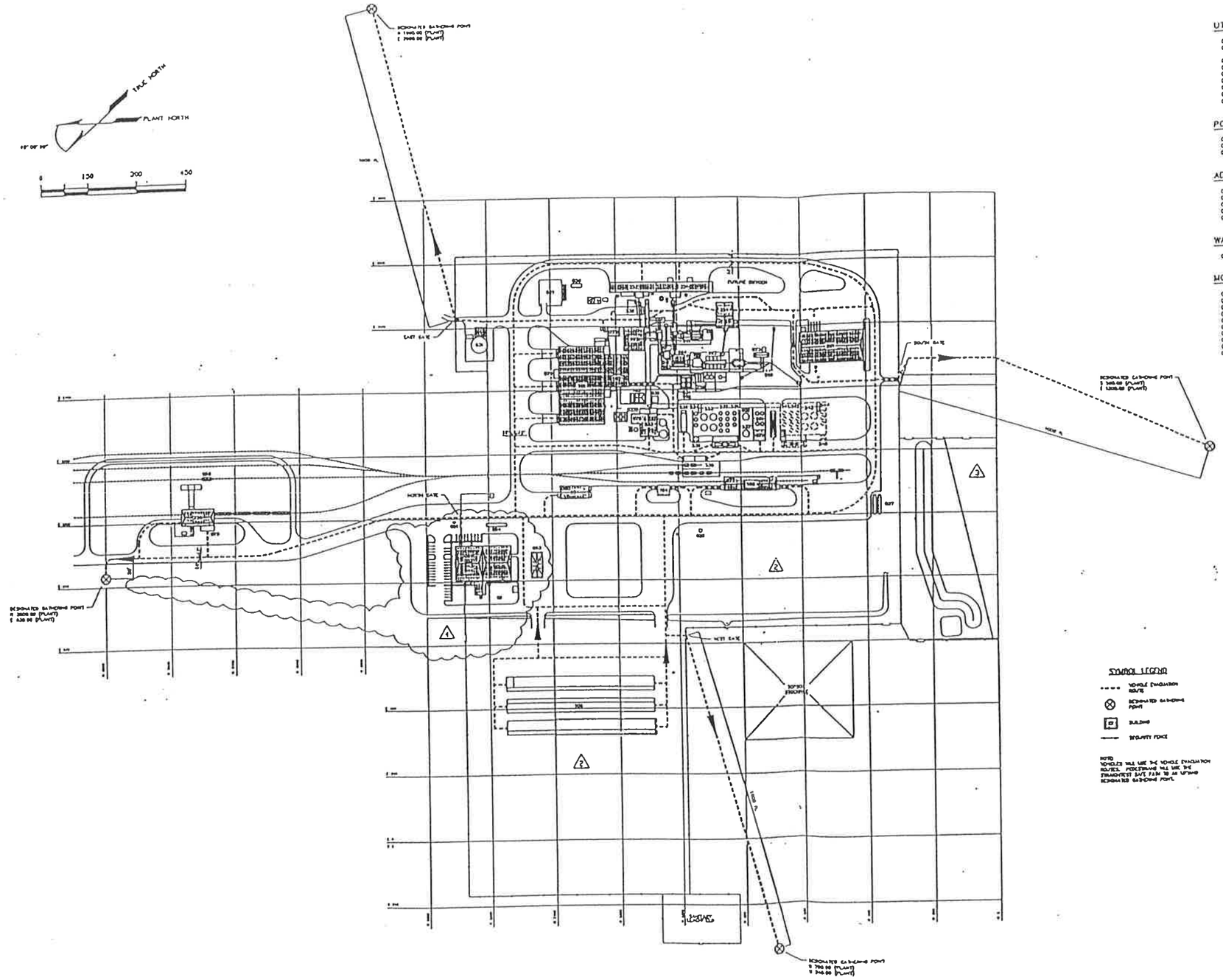
DESIGN DRAWINGS

Attachment 9
Design Drawings

Drawing Number	Revision/Date	Title
43-01-110	2	Topographic Map
43-02-1-18	4	Evacuation Routes
43-01-1-J02	4/11/95	Partial Plan
43-10-2-J05	10/26/93	Thaw Unit Details
43-10-4-J10	10/26/93	Thaw Unit Plan & Sections
43-53-2-J01	6/23/93	Unit 535 Rail Tanker Unloading Details
43-53-4-J07	4	Unit 535 Rail Tanker Unloading Plan & Sections
43-10-2-D61	6	Plan View & Container Grid Unit 106 Sheet 4 of 16
43-10-2-D61	2	Elevation Unit 106 Sheet 5 of 16
43-10-2-D61	6	Paving Plan (Subunit 1) Unit 106 Sheet 6 of 16
43-10-2-D61	4	Paving Plan (Subunit 2) Unit 106 Sheet 7 of 16
43-10-2-D61	4	Paving Plan (Subunit 3) Unit 106 Sheet 8 of 16
43-10-2-D61	4	Details Unit 106 Sheet 10 of 16
43-10-2-D61	3	Enclosure Section & Elevations Unit 106 Sheet 11 of 16
43-10-2-D61	1	Enclosure Containment Area Unit 106 Sheet 12 of 16
43-60-2-J04	10/26/93	Truck Wash Tank Foundation Details
43-60-4-J08	10/26/93	Truck Wash Plan & Sections
CF-000-A-001	1	Clive Facility Bldg. 106 Containment Building Section & Elevations.
64BW-5600-200	B 2/05/13	Clean Harbors Mix Tub – Layout & Details (Treatment Container)



WEST DESERT
HAZARDOUS INDUSTRY AREA
WENDOVER
80
SALT LAKE CITY
15
70
STATE OF UTAH
SALT LAKE CITY
DUGWAY
ANNUAL WIND DIRECTION
U.S. POLLUTION CONTROL, INC.
GRASSY MOUNTAIN
FACILITY
APTUS
USPCI, Inc.
CLIVE INCINERATION
FACILITY
ENVIROCARE
WEST DESERT
HAZARDOUS INDUSTRY AREA
OLYMPUS AERIAL SURVEYS, INC. MARCH 27, 1988
CLIVE INCINERATION FACILITY
SECTION 36, TOWNSHIP 1 SOUTH - RANGE 12 WEST
0 200 400 600
REFERENCE COPY
1 1/3/95 SWO UPDATED PLANT LAYOUT & TITLE BLOCK
REV. DATE BY DESCRIPTION APP'D DATE
NOTICE
USPCI
CLIVE INCINERATION FACILITY
CLIVE INCINERATOR
TOPOGRAPHIC MAP
DRAWN -- 2/89
DESIGN JH
CHECK J.C.
APPROVED
SCALE VARIES
FILE NUMBER 43011010
USPCI
DRAWING NO 43-01-110
REV 1
FORM USPCI-0



UNIT IDENTIFICATION

UTILITIES

- 031 RAW WATER/FIRE WATER STORAGE
- 032 SANITARY WASTEWATER LIFT STATION & STORM WATER SUMP
- 033 RESPIRABLE AIR, UTILITIES & AUXILIARIES
- 038 COMMUNICATIONS BLDG
- 034 STEAM GENERATION BUILDING
- 035 NITROGEN (LEASED SYSTEM)
- 036 STAND-BY POWER GENERATION
- 037 LPG STORAGE
- 038 FIRE WATER PUMP BLDG

POWER & COMMUNICATIONS

- 041 ELECTRICAL SUBSTATION & DISTRIBUTION
- 043 EMERGENCY ALARM SYSTEM & SECURITY (CCTV)
- 044 COMMUNICATIONS SYSTEM (MICROWAVE)

ADMINISTRATION FACILITIES

- 051 GUARD HOUSE
- 052 OFFICE, LAB, SAFETY BLDG
- 053 TRUCK SAMPLING STATION
- 054 TRUCK SCALES
- 055 RAIL SCALES

WAREHOUSING

- 061 MAINTENANCE, WAREHOUSING BLDG

MOTOR CONTROL CENTERS

- 071 TANK FARM MCC
- 072 INCINERATOR MCC
- 073 ANALYZER BLDG & AIR POLLUTION MCC
- 074 SOLIDS MCC
- 075 RAIL TO TRAILER TRANSFER MCC
- 076 FIRE WATER PUMP BLDG MCC
- 077 BULK SPILL INTERMODAL TRANSFER MCC
- 078 RESPIRABLE AIR MCC
- 079 CONTAINER STORAGE MCC
- 080 TRUCK WASH MCC

CONTAINER MANAGEMENT

- 101 CONTAMINATED WASTE STORAGE & STAGING
- 102 ORGANIC SLUDGE DECANTING & REPACKAGING
- 103 ORGANIC DECANT STORAGE
- 104 INTERMODAL CONTAINER STAGING & TRANSFER
- 105 BULK UNIT
- 106 CONTAMINATED BULK SOLIDS STORAGE

BULK SOLIDS HANDLING

- 231 BULK SOLIDS STORAGE
- 232 ORGANIC SOLIDS STORAGE
- 234 ASH ACCUMULATION SYSTEM
- 236 RAIL TO TRAILER TRANSFER
- 234 APCS ASH LOADOUT

BULK LIQUIDS

- 321 WFW STORAGE TANKS
- 322 WFW STORAGE TANKS
- 333 WFW WASTE BLENDING UNITS
- 334 WFW PUMPABLE SLUDGE STORAGE
- 336 WFW RAIL TANKER UNLOADING
- 338 WFW PUMPABLE SLUDGE UNLOADING
- 337 FUEL OIL STORAGE
- 338 SPECIAL HANDLING BAY
- 339 WFW VENT SYSTEM
- 341 WFW STORAGE TANKS (FUTURE)
- 342 WFW STORAGE TANKS (FUTURE)
- 343 WFW WASTE BLENDING UNITS (FUTURE)
- 344 WFW PUMPABLE SLUDGE STORAGE (FUTURE)
- 345 WFW VENT SYSTEM (FUTURE)

AQUEOUS UNITS

- 901 AQUEOUS WASTE STORAGE
- 902 AQUEOUS WASTE BLENDING
- 904 TRUCK WASH

INCINERATION SYSTEM

- 991 PRIMARY KILN & FEED AREA
- 992 BURNER KILN & FEED BUILDING
- 993 SECONDARY COMBUSTION & QUENCH CHAMBERS

AIR POLLUTION CONTROL SYSTEM

- 994 WASTE HEAT BOILER SYSTEM
- 995 TURBINE GENERATOR SYSTEM
- 996 SPRAY DRYER ABSORBER
- 997 BAGHOUSE
- 999 WET SCRUBBER, STACK, FAN, CAUSTIC SYSTEM

SYMBOL LEGEND

- VEHICLE EVACUATION ROUTE
- DESIGNATED GATHERING POINT
- BUILDING
- SECURITY FENCE

NOTE:
VEHICLES WILL USE THE VEHICLE EVACUATION ROUTES. PEDESTRIANS WILL USE THE PEDESTRIAN SAFE PATH TO AN UPWIND DESIGNATED GATHERING POINT.

CAD

AUG 17 1995

DEPARTMENT

REFERENCE COPY

PERMIT DRAWING

FIGURE G.2

REV.	DATE	BY	DESCRIPTION	APP'D	DATE
4	6/17/93	SYB	UPDATED ADMIN BLDG & NEW HVAC ROUTING - AS-BUILT		
3	6/1/93	SYB	ADDED AREA 236 & TRENCH, SCH UPDATE - AS-BUILT		
2	1/18/93	SYB	REMOVE AREAS 106B & 106C		
1	3/1/93	SYB	NEW PLANT LAYOUT; ADDED 106; UPDATED TITLE BLOCK		

NOTICE

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DRAWN
DESIGN
CHECK
APPROVED

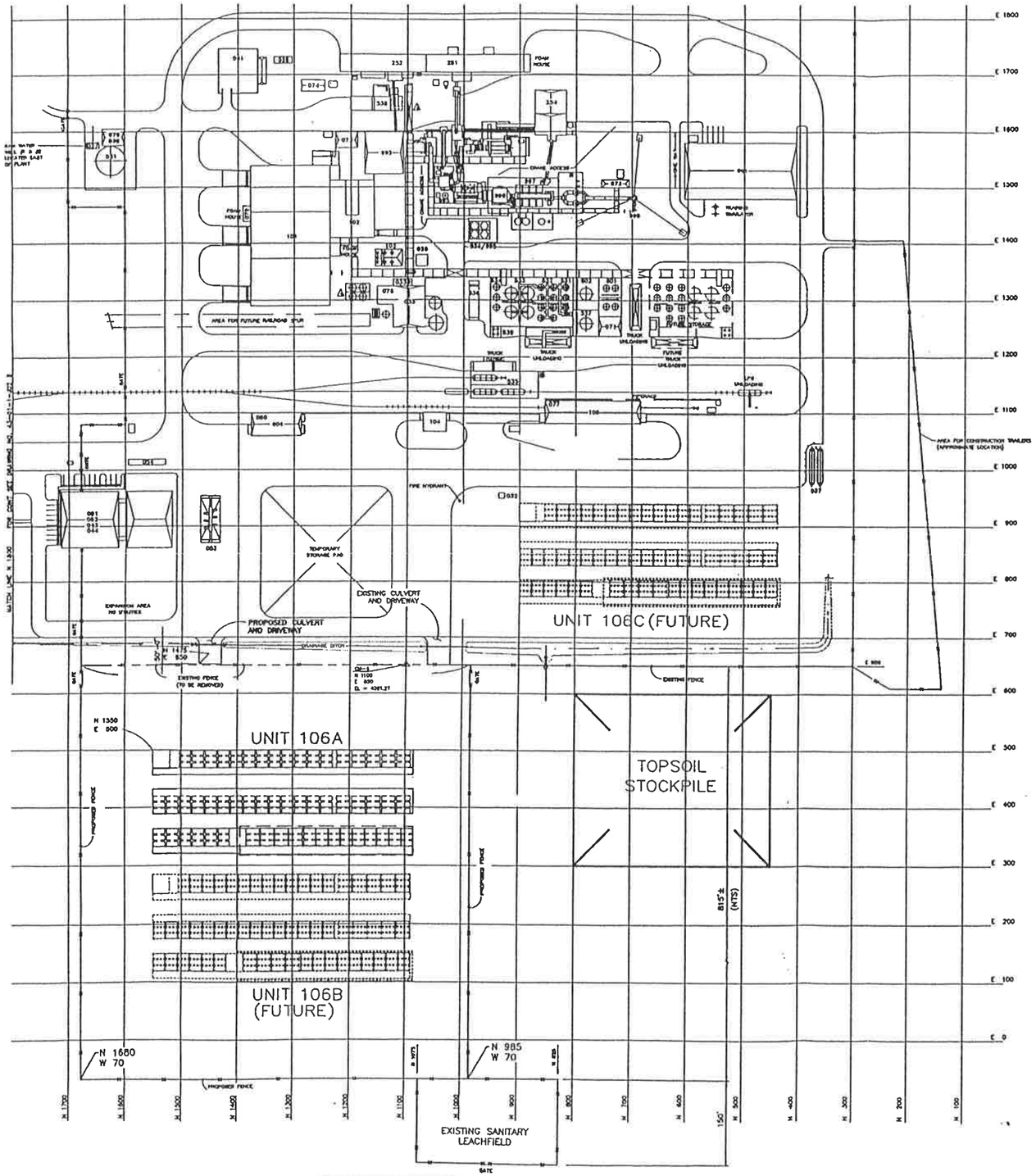
CLIVE INCINERATOR
EVACUATION ROUTES

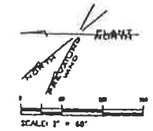
JOB NO. | SCALE 1"=150'-0" | FILE NUMBER P071018

USPCI
A Subsidiary of Waste Management

DRAWING NO. 43-02-1-018 | REV. 4

FORM DP0M47





REV.	DATE	BY	DESCRIPTION	APP'D	DATE

NOTICE

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USPCI A Subsidiary of Union Pacific Corporation

CLIVE INCINERATION FACILITY

CLIVE INCINERATOR
PARTIAL PLAN

DRAWN	B.C.	12/13/94
DESIGN	V.S.	12/13/94
CHECK	V.S.	12/13/94
APPROVED		

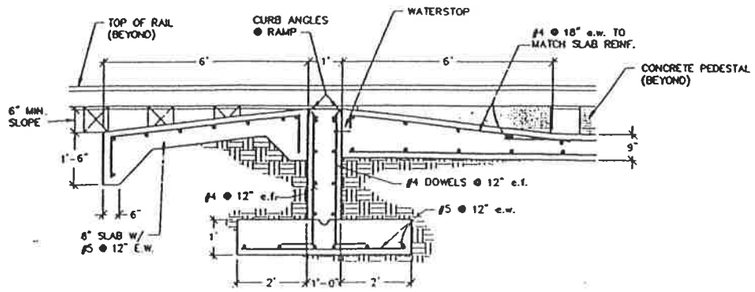
JOB NO. 30000-06 | SCALE 1"=100' | FILE NUMBER Z1011002

USPCI A Subsidiary of Union Pacific Corporation

DRAWING NO. 43-01-1-J02 | REV.

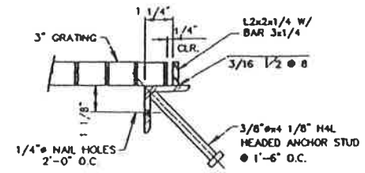
FORM USPCI-0

DEC 1 4 1994



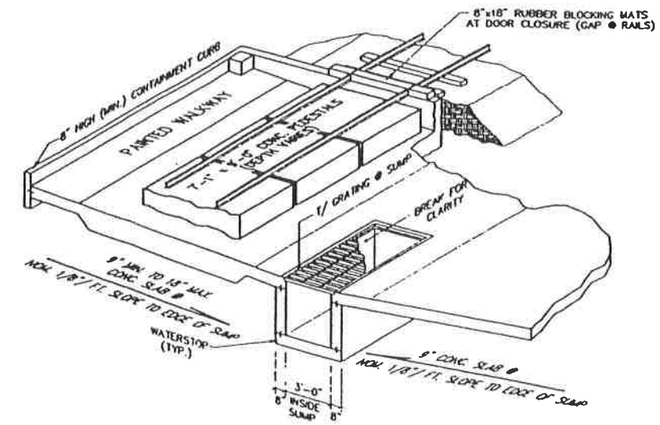
1 APPROACH & RAMP DETAIL

REF. DWG: 43-10-4-J10
SCALE: 1/2" = 1'-0"



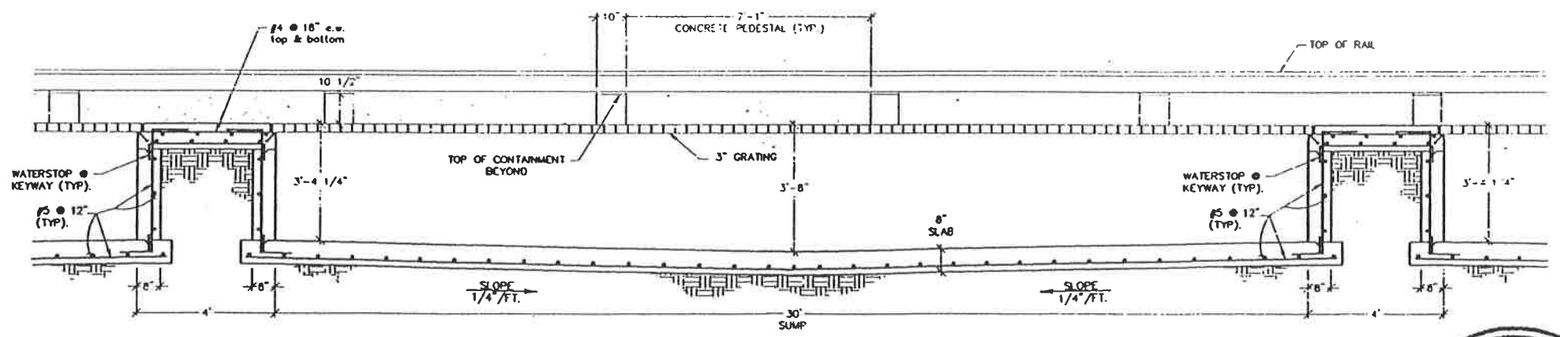
3 SUMP GRATING SUPPORT

REF. DWG: 43-10-4-J10
SCALE: 1/2" = 1'-0"



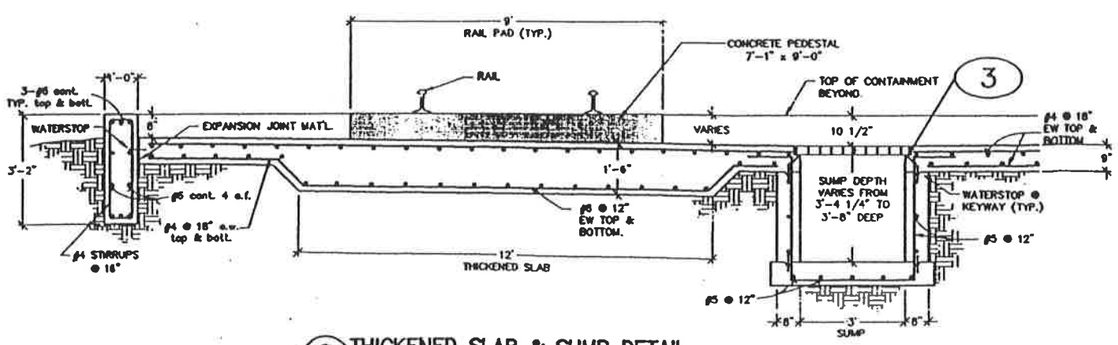
5 ISOMETRIC THRU SUMP & R.R. TRACK PEDESTALS

REF. DWG: 43-10-4-J10
N.T.S.



4 SUMP DETAIL

REF. DWG: 43-10-4-J10
SCALE: 1/2" = 1'-0"



2 THICKENED SLAB & SUMP DETAIL

REF. DWG: 43-10-4-J10
SCALE: 1/2" = 1'-0"

LICENSED PROFESSIONAL ENGINEER
NO. 259719
MARK C. CHRISTIAN
10/28/93
STATE OF UTAH

ON BEHALF OF ETI CORPORATION, INC., I DO HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THIS DRAWING REFLECTS AS-BUILT CONDITIONS AS SPECIFICALLY DIRECTED TO AND LIMITED BY THE CONDITIONS OF THE "CONSTRUCTION CERTIFICATION REPORT, THAW UNIT CLIVE, TOOELE COUNTY, UTAH" AS PREPARED BY ETI CORPORATION.

NOTE:
INFORMATION FOR THIS DRAWING WAS TAKEN FROM UNITED ENGINEERS & CONSTRUCTORS JOB # 9909.001, AS-BUILT DRAWINGS #43-00-2-002, #43-10-2-051 & 052 DATED 3/31/93, MIDWEST RAILROAD AS-BUILT DRAWING #43-10-2-051A & 051B DATED 3/31/92.

REV.	DATE	BY	DESCRIPTION	APP'D	DATE

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ETI CORPORATION
6799 GREAT OAKS RD. SUITE 100
MEMPHIS TENNESSEE, 38138-2800
(901) 754-0400

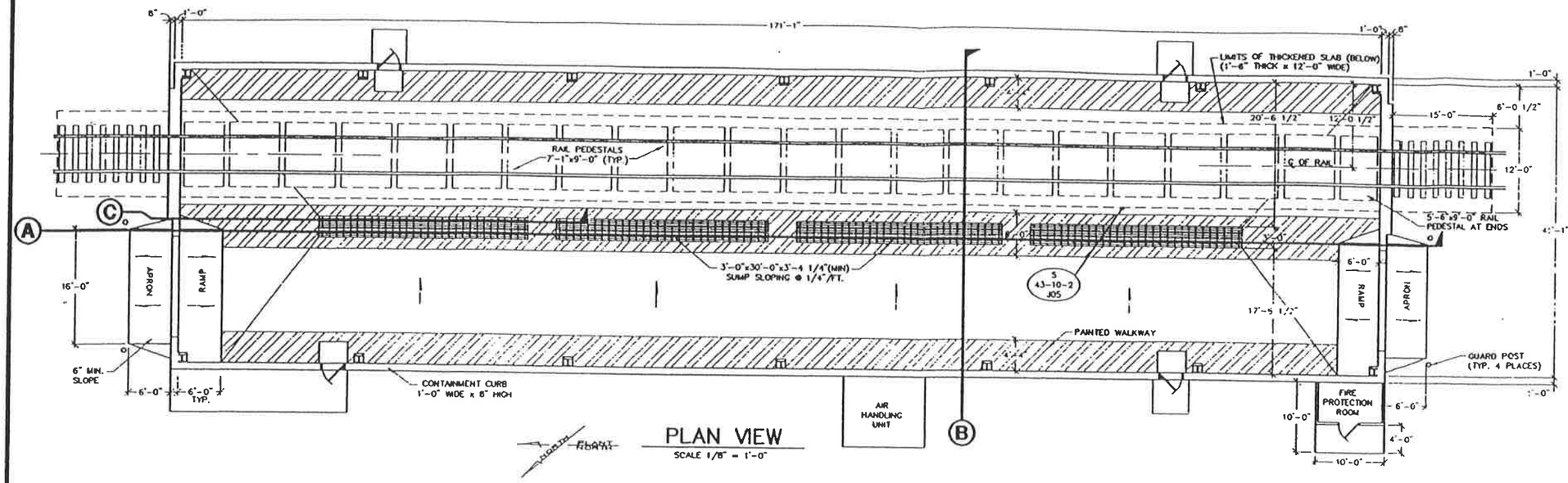
CLIVE INCINERATOR
THAW UNIT
DETAILS

UNLESS OTHERWISE SPECIFIED			
DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES	DRN. RB	DATE 10-28-93	
	CHKD.	DATE	
BREAK SHARP EDGES TO ALL FILLETS TO	APPD.	DATE	

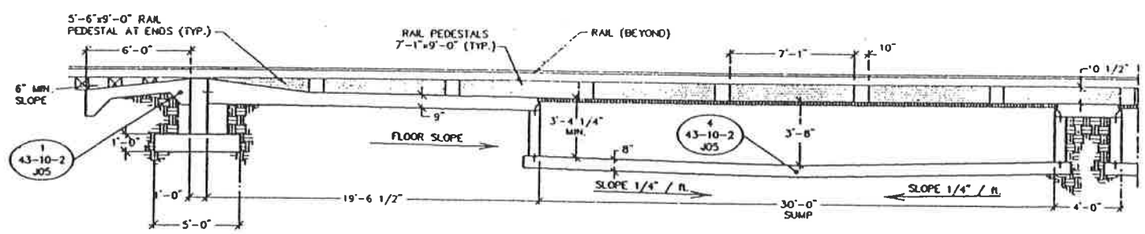
FILE NAME 10303D01 | SCALE 1/2"=1'-0" | DRAWING NO. 43-10-2-J05 | REV.

USPCI
A Subsidiary of Union Pacific Corporation

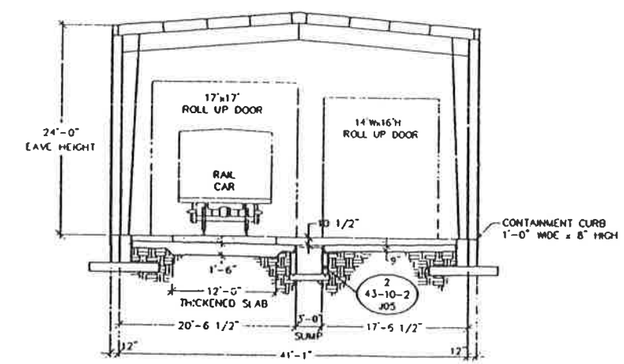
PERMIT AS BUILT DRAWING
ORIGINAL SHEET SIZE: 24" x 36"



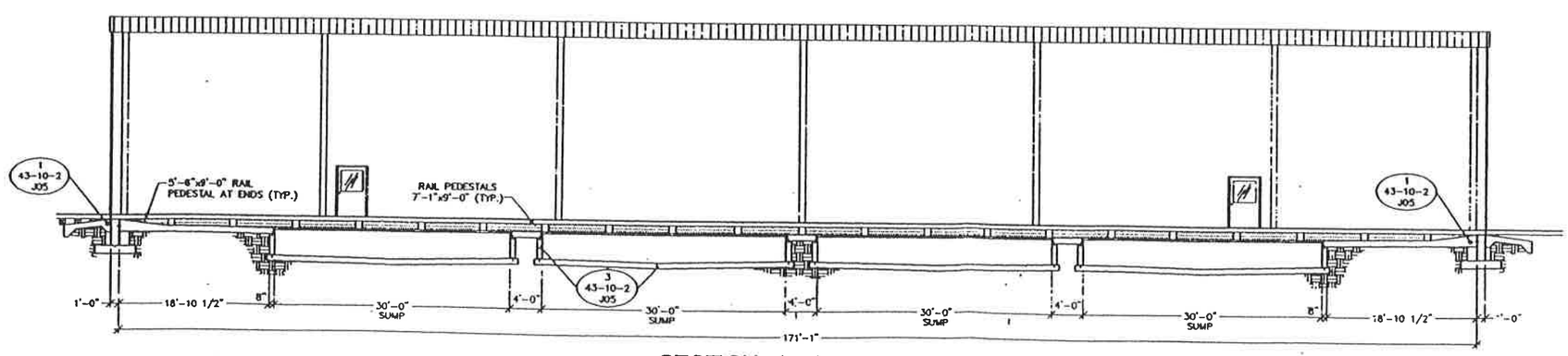
PLAN VIEW
SCALE 1/8" = 1'-0"



SUMP SECTION C–C
SCALE 1/4" = 1'-0"



SECTION B–B
SCALE 1/4" = 1'-0"



SECTION A–A
SCALE 1/8" = 1'-0"

PERMIT AS BUILT DRAWING
ORIGINAL SHEET SIZE: 24" x 36"

LICENSED PROFESSIONAL ENGINEER
No. 259719
MARK C. CHRISTIAN
10/28/93
STATE OF UTAH

ON BEHALF OF ETI CORPORATION, INC., I DO HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THIS DRAWING REFLECTS AS-BUILT CONDITIONS AS SPECIFICALLY DIRECTED TO AND LIMITED BY THE CONDITIONS OF THE "CONSTRUCTION CERTIFICATION REPORT, THAW UNIT CLIVE, TOOELE COUNTY, UTAH," AS PREPARED BY ETI CORPORATION.

NOTE:
INFORMATION FOR THIS DRAWING TAKEN FROM UE&C PROJECT #9909.01 AS-BUILT DRAWINGS 43-10-3-D20, 43-10-2-D51 & D52 DATED 3/31/93. MIDWEST RAILROAD AS-BUILT DRAWING #43-10-2-51A & 51B DATED 3/31/92.

REV.	DATE	BY	DESCRIPTION	APP'D	DATE

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ETI CORPORATION
6799 GREAT OAKS RD, SUITE 100
MEMPHIS TENNESSEE, 38138-2500
(901) 758-0400

CLIVE INCINERATOR
THAW UNIT
PLAN & SECTIONS

DRN. WAC	DATE 10-28-93		
CHKD.	DATE		
APPR.	DATE		
FILE NAME 10305P01	SCALE 1/8"=1'-0"	DRAWING NO.	REV
		DRAWING NO. 43-10-4-J10	REV

USPCI
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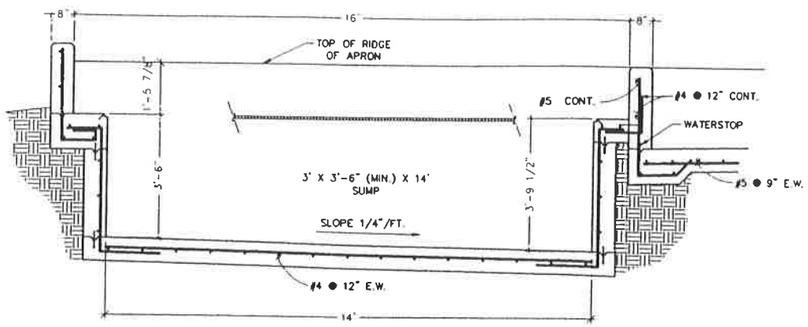
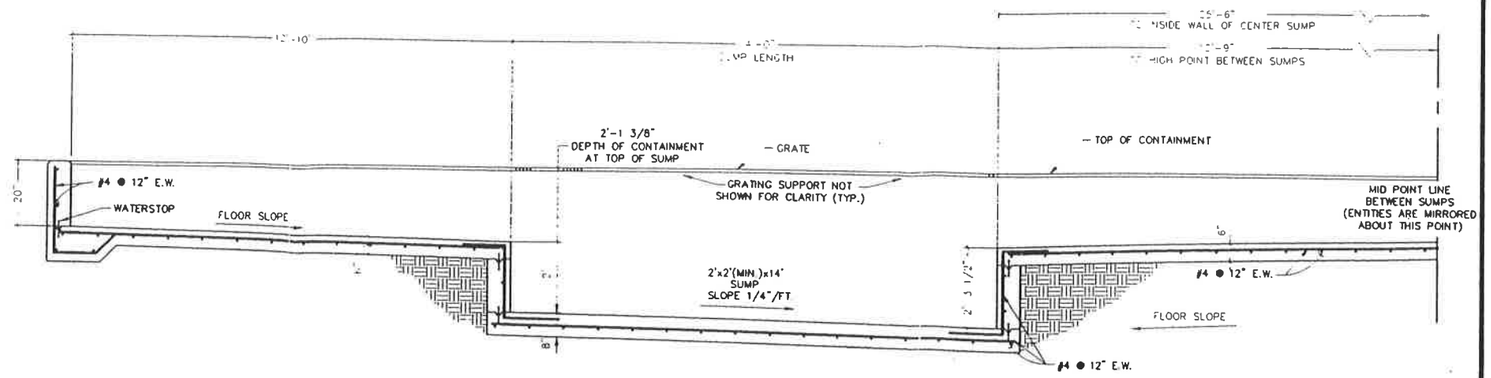


1 3' SUMP DETAIL (THRU LENGTH) @ LOADING BAY

REF. DWG. 43-53-4-J07

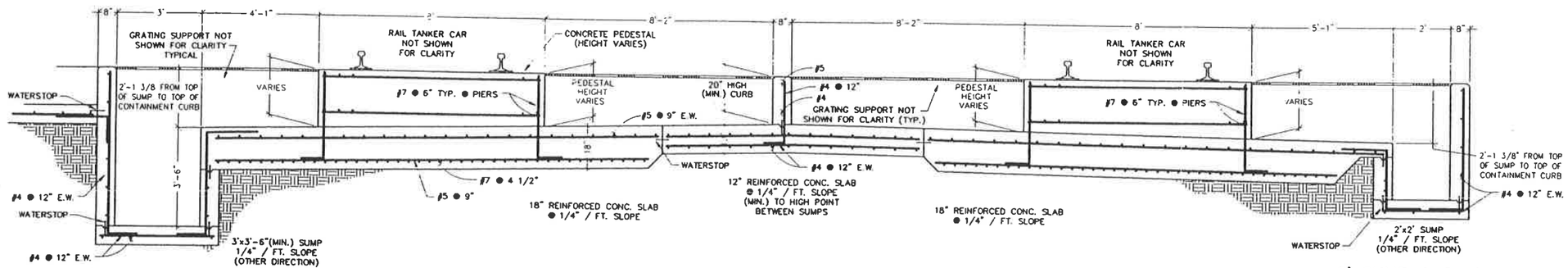
SCALE: 1/2" = 1'-0"



5 2' SUMP DETAIL (THRU SUMP LENGTH)

REF. DWG. 43-53-4-J07

SCALE: 1/2" = 1'-0"



2 3' SUMP & SLAB DETAIL (THRU SUMP WIDTH)

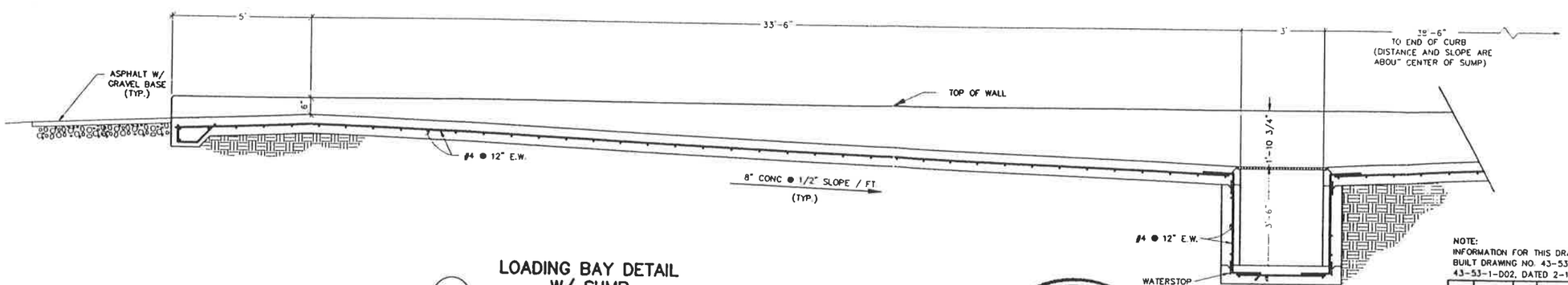
REF. DWG. 43-53-4-J07

SCALE: 1/2" = 1'-0"

3 2' SUMP & SLAB DETAIL (THRU SUMP WIDTH)

REF. DWG. 43-53-4-J07

SCALE: 1/2" = 1'-0"



4 LOADING BAY DETAIL W/ SUMP

REF. DWG. 43-53-4-J07

SCALE: 1/2" = 1'-0"

NOTE:
INFORMATION FOR THIS DRAWING TAKEN FROM ROBERTS & SCHAEFER COMPANY AS BUILT DRAWING NO. 43-53-2-D13, 43-53-2-D14, 43-53-2-D15, 43-53-2-D17 & 43-53-1-D02, DATED 2-17-93.

LICENSED PROFESSIONAL ENGINEER
No. 259719
MARK C. CHRISTIAN
3/2/94
STATE OF UTAH

ON BEHALF OF ETI CORPORATION, INC., I DO HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THIS DRAWING REFLECTS AS-BUILT CONDITIONS AS SPECIFICALLY DIRECTED TO AND LIMITED BY THE CONDITIONS OF THE "CONSTRUCTION CERTIFICATION REPORT, WASTE FUEL AND AQUEOUS WASTE TANK SYSTEMS CLIVE, TOOELE COUNTY, UTAH" AS PREPARED BY ETI CORPORATION.

PERMIT AS BUILT DRAWING

ORIGINAL SHEET SIZE: 24" x 36"

REV.	DATE	BY	DESCRIPTION	APP'D	DATE

NOTICE
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ETI CORPORATION
6799 GREAT OAKS RD, SUITE 100
MEMPHIS TENNESSEE, 38138-2300
(901) 758-0400

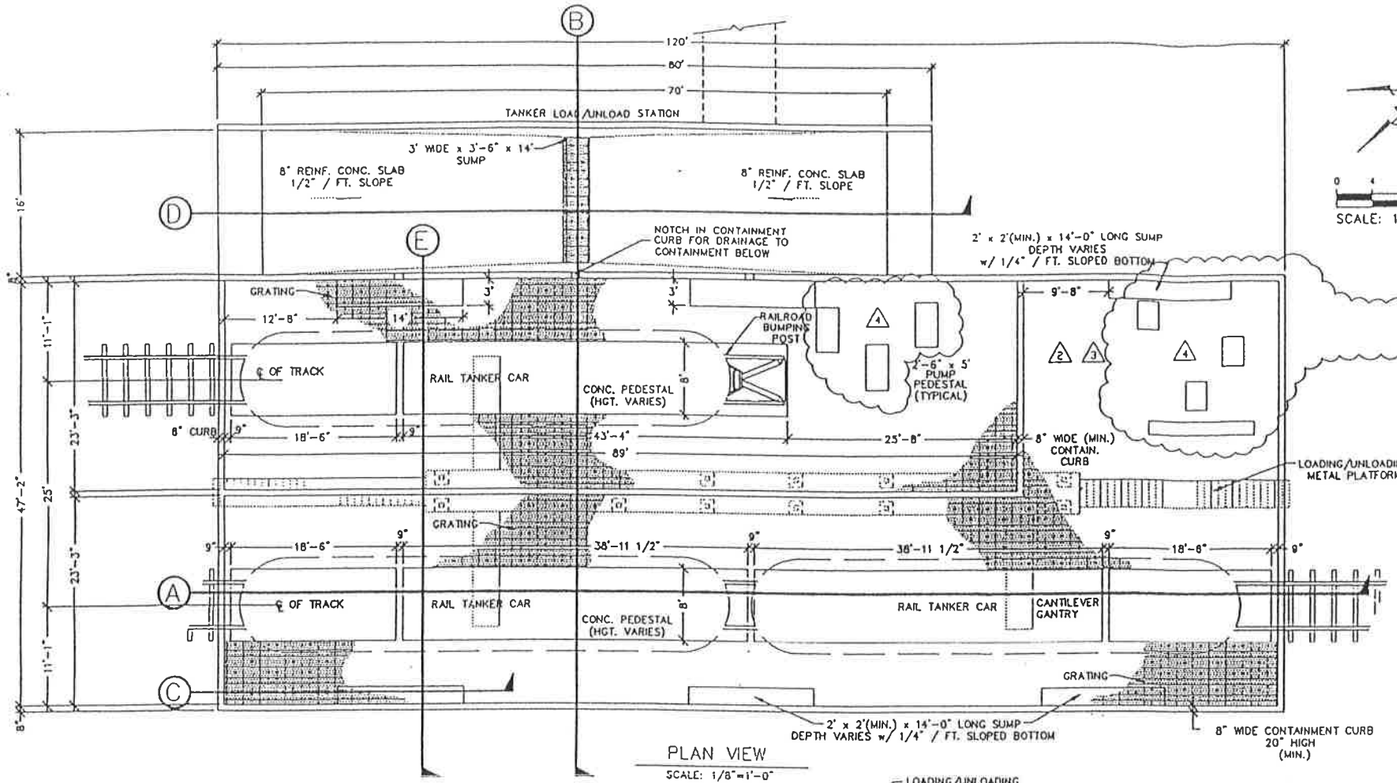
CLIVE INCINERATOR
UNIT 535 RAIL TANKER UNLOADING
DETAILS

UNLESS OTHERWISE SPECIFIED	DRN RTT	DATE 6/23/93
DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES	CHKD	DATE
BREAK SHARP EDGES ALL FILLETS TO	APPD	DATE

FILE NAME 10SU5001 | SCALE 1/2"=1'-0" | DRAWING NO. | REV

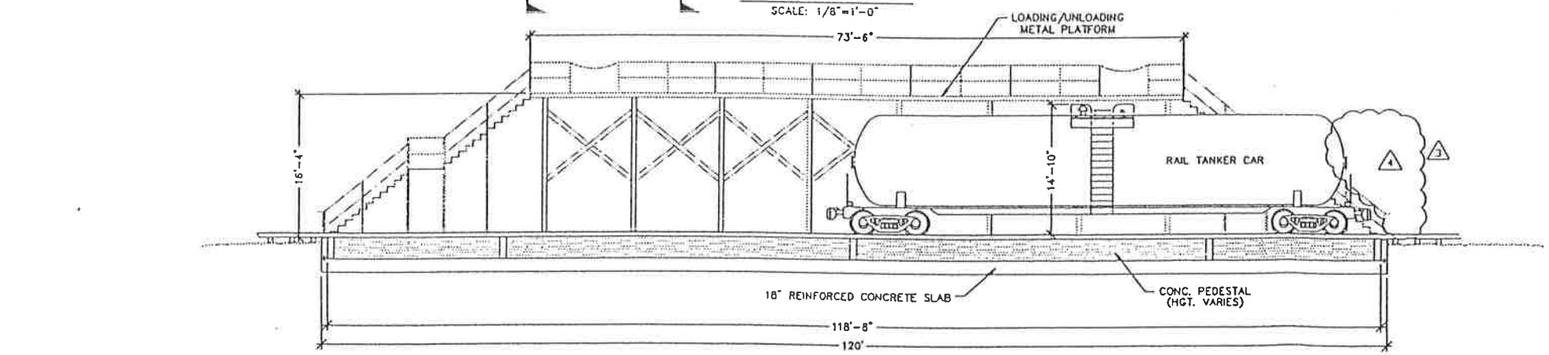
USPCI
A Subsidiary of Union Pacific Corporation

DRAWING NO. 43-53-2-J01 | REV



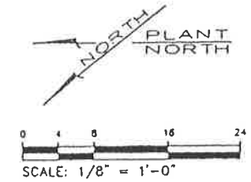
PLAN VIEW

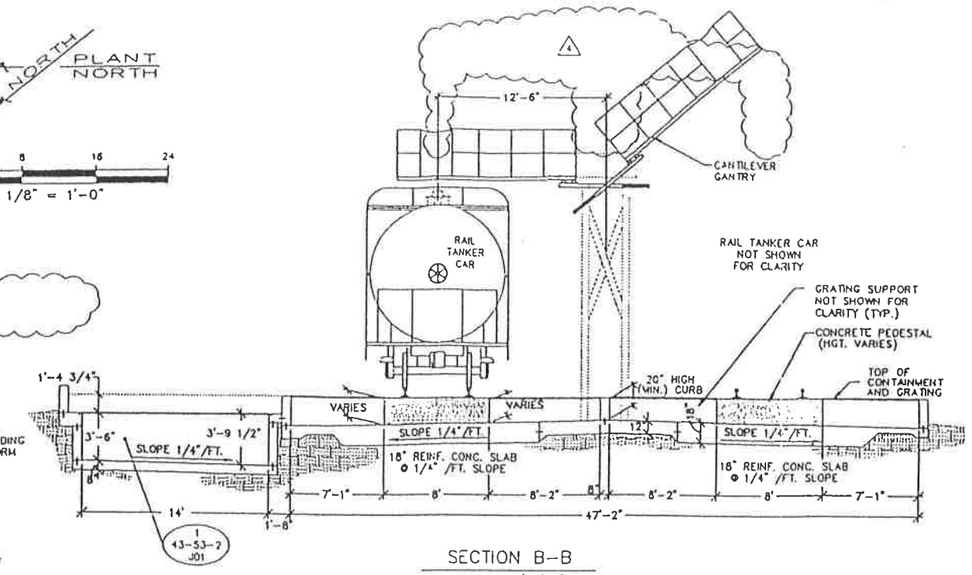
SCALE: 1/8"=1'-0"



SECTION A-A

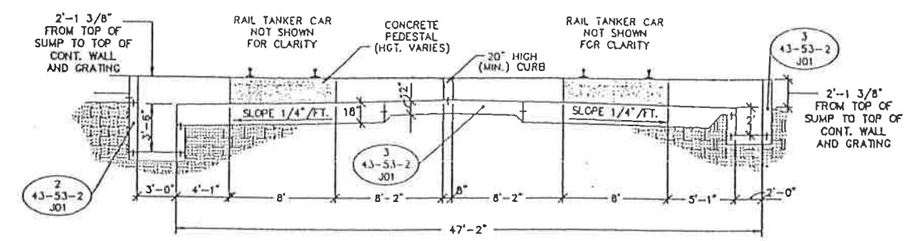
SCALE: 1/8"=1'-0"





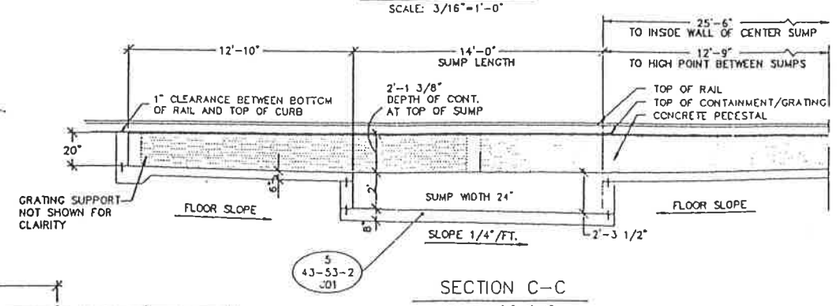
SECTION B-B

SCALE: 3/16"=1'-0"



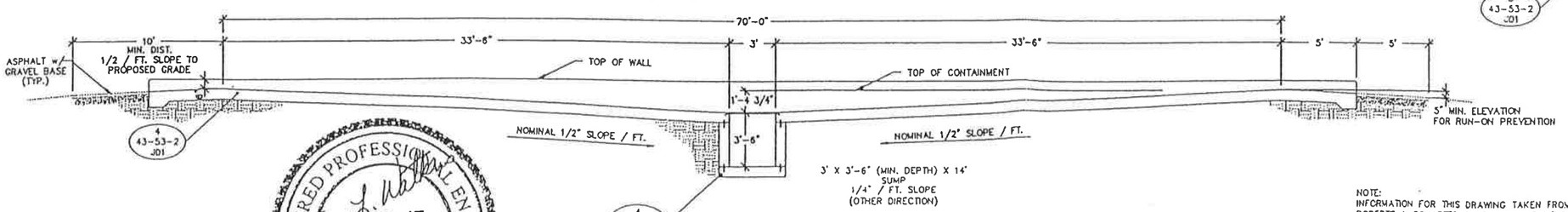
SECTION E-E

SCALE: 3/16"=1'-0"



SECTION C-C

SCALE: 1/4"=1'-0"



SECTION D-D

SCALE: 1/8"=1'-0"

REGISTERED PROFESSIONAL ENGINEER
160947
TIMMY L. WATKINS
12/28/93
STATE OF UTAH

NOTE:
INFORMATION FOR THIS DRAWING TAKEN FROM ROBERTS & SCHAEFER COMPANY AS BUILT DRAWING NO. 43-53-2-D13, 43-53-2-D14, 43-53-2-D15, 43-53-2-D17 & 43-53-1-D02 DATED 2-17-93

REFERENCE COPY

PERMIT DRAWING

REV	DATE	BY	DESCRIPTION
4	12/19/98	SWD	REM. PUMPS, PLATF & TOP LOADING
3	8/25/95	SWD	TANK FARM MOD - ISSUED AS-BUILT (DARYL W. BUNCH, UT PE# 181901)
2	5/3/95	RML	TANK FARM MOD - IFA (DARYL W. BUNCH, UT PE# 181901)
1	11/4/94	SWD	UPDATED TITLE BLOCK (HENRY LOUIS BAUMAN, UT PE# 158735)
	3/2/94		ORIGINAL ISSUE (MARK C CHRISTIAN, UT PE# 259719)

NOTICE
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DRAWN	BTT	6/23/93
DESIGN	-	-
CHECK	-	-
APPROVED	-	-

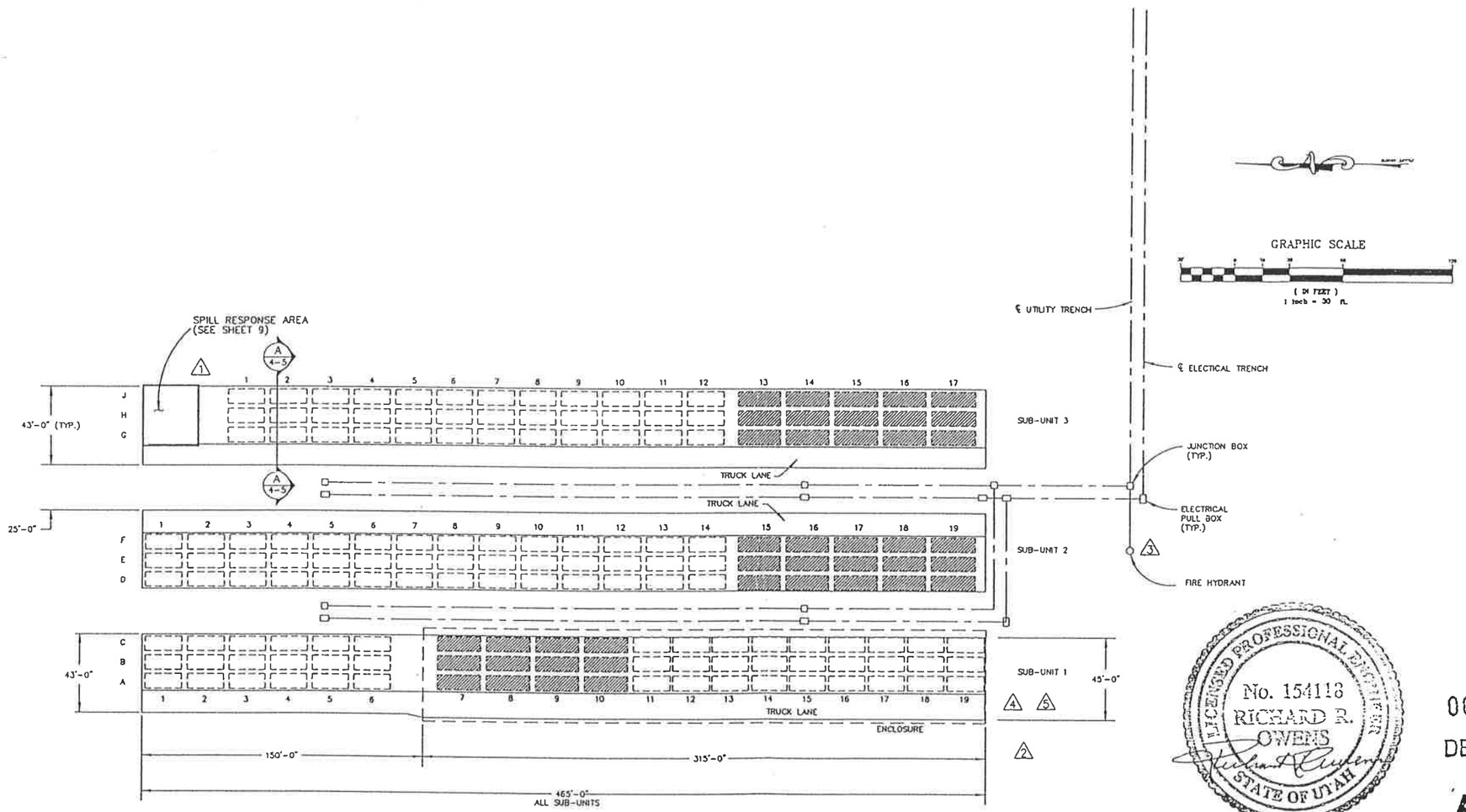
ETI CORPORATION
8799 GREAT OAKS RD, SUITE 101
MEMPHIS TENNESSEE, 38138-2501
(901) 758-0400

CLIVE INCINERATOR
UNIT 535 RAIL TANKER UNLOADING
PLAN & SECTIONS

USPCI — LIPPO/LANDLAW ENGINEERING SERVICES

JOB NO. — SCALE 1/8"=1'-0" — FILE NUMBER P534J07

DRAWING NO. 43-53-4-J07 — REV 4



LICENSED PROFESSIONAL ENGINEER
No. 154118
RICHARD R. OWENS
STATE OF UTAH

10/5/95

CAD

OCT 0 4 1995

DEPARTMENT

AS-BUILT

PERMIT DRAWING

LEGEND

20' CONTAINER

24' CONTAINER

REV	DATE	BY	DESCRIPTION		
6	10/4/95	SVD	ISSUED AS-BUILT		
5	8/3/95	DC	PUT ENCLOSURE BACK ON	RE	8/7/95
4	4/3/95	DC	REMOVED ENCLOSURE	VGS	4/6/95
3	12/13/94	DCH	RELOCATED FIRE HYDRANT	VGS	12/13/94
2	12/1/94	DC	REMOVED SUB-UNIT 1 TRENCHES	VGS	12/1/94
1	11/16/94	DC	REVISED SPILL RESPONSE AREA	VGS	11/16/94
0	11/8/94	DC	ISSUED FOR CONSTRUCTION	VGS	11/8/94

NOTICE
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DRAWN	D.H.	10/13/94
DESIGN	W.S.	10/13/94
CHECK	W.S.	10/13/94
APPROVED		

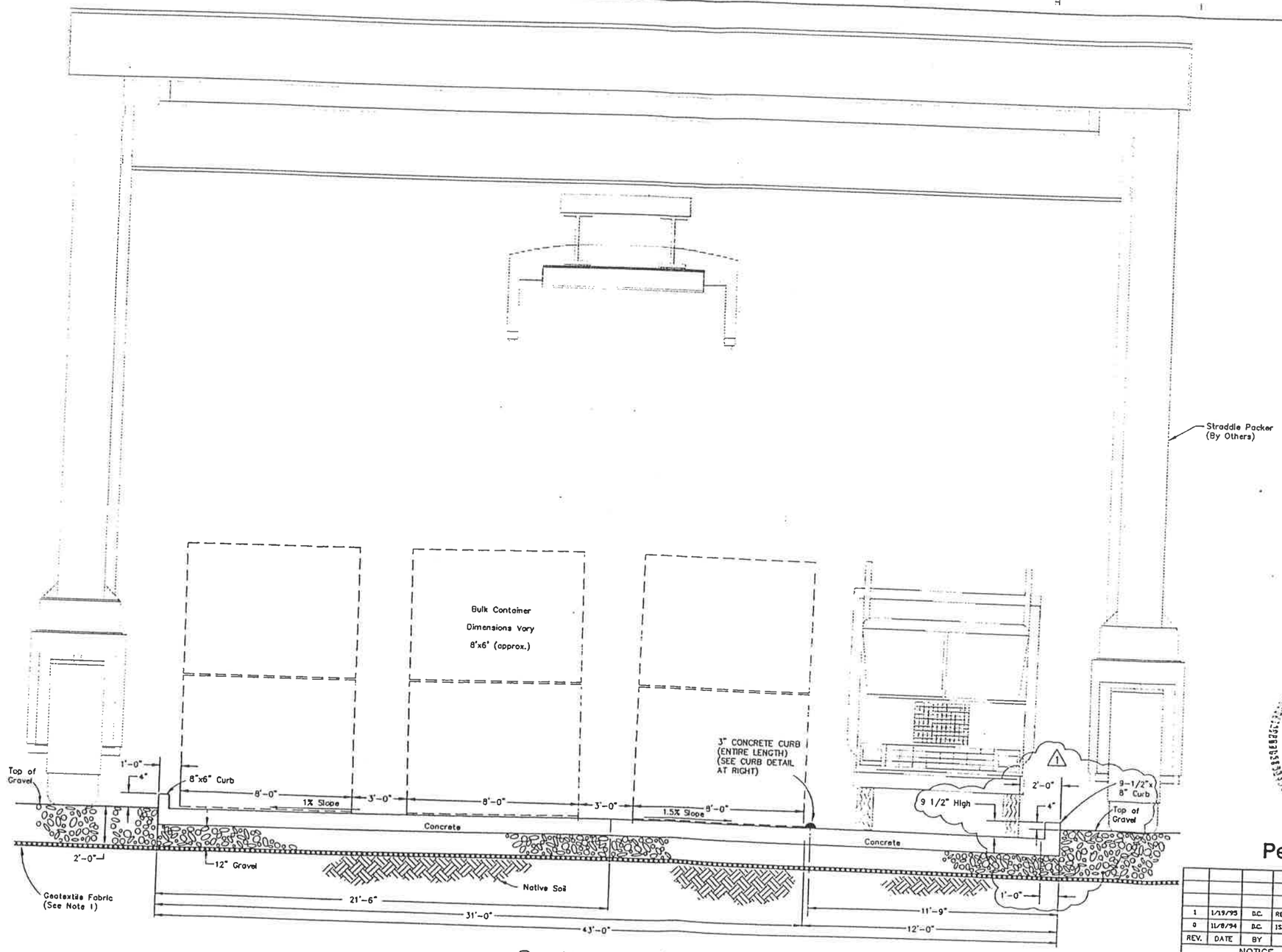
CLIVE INCINERATOR
PLAN VIEW & CONTAINER GRID
UNIT 106
SHEET 4 OF 16

JOB NO. | SCALE 1"=30'-0" | FILE NUMBER 51302001

USPCI | LAIDLAW ENVIRONMENTAL SERVICES

DRAWING NO. 43-10-2-D61 | REV 6

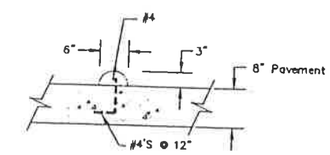
FOR DEPOT



Section A–A
(5 – 4)
n.t.s.

NOTES:

1. Geotextile Fabric Shall Be Placed Between Native Soil and the Backfilled Gravel. Geotextile Fabric Shall Conform to the Material Indicated in the Specifications.



CONCRETE CURB DETAIL
n.t.s.

REGISTERED PROFESSIONAL ENGINEER
No. 281583
WALTER G. SCHULZ
STATE OF UTAH

Permit As-Built Drawing

REV.	DATE	BY	DESCRIPTION	APP'D	DATE
1	1/19/95	D.C.	REVISED CURB	V.G.S.	1/19/95
0	11/8/94	D.C.	ISSUED FOR CONSTRUCTION	V.G.S.	11/8/94

NOTICE

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USPCI A Subsidiary of Union Pacific Corporation
CLIVE INCINERATION FACILITY

DRAWN	D.H.	10/13/94
DESIGN	V.S.	10/13/94
CHECK	V.S.	10/13/94
APPROVED		

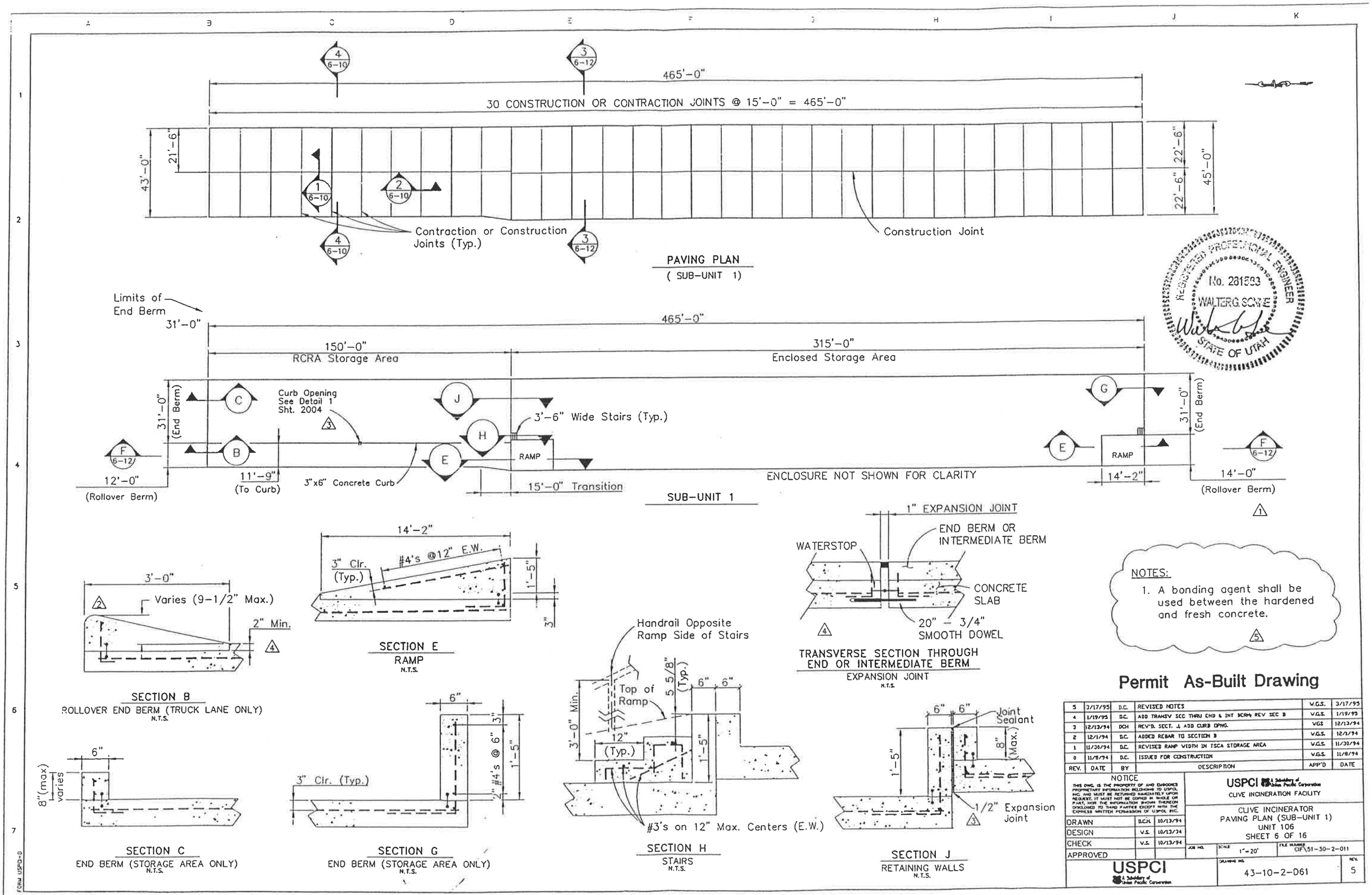
CLIVE INCINERATOR
ELEVATION
UNIT 106
SHEET 5 OF 16

JOB NO. | SCALE n.t.s. | FILE NUMBER CIF\51-30-2-002

USPCI A Subsidiary of Union Pacific Corporation

DRAWING NO. 43-10-2-D61 | REV. 1

FORM USPCI-0



Permit As-Built Drawing

REV.	DATE	BY	DESCRIPTION	APP'D	DATE
5	3/17/95	D.C.	REVISED NOTES	V.G.S.	3/17/95
4	1/19/95	D.C.	ADD TRANSV SEC THRU END & INT BERM; REV SEC B	V.G.S.	1/19/95
3	12/13/94	DCH	REV'D. SECT. J, ADD CURB OPNG.	VGS	12/13/94
2	12/1/94	D.C.	ADDED REBAR TO SECTION B	V.G.S.	12/1/94
1	11/30/94	D.C.	REVISED RAMP WIDTH IN TSCA STORAGE AREA	V.G.S.	11/30/94
0	11/8/94	D.C.	ISSUED FOR CONSTRUCTION	V.G.S.	11/8/94

NOTICE

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USPCI A Subsidiary of Union Pacific Corporation
CLIVE INCINERATION FACILITY

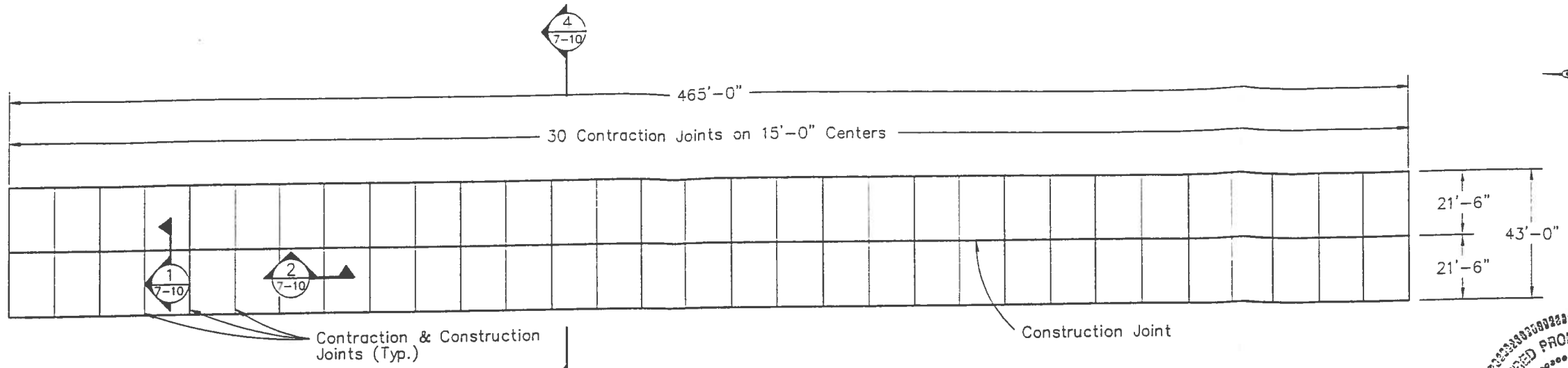
CLIVE INCINERATOR
PAVING PLAN (SUB-UNIT 1)
UNIT 106
SHEET 6 OF 16

DRAWN	D.C.H.	10/13/94
DESIGN	V.S.	10/13/94
CHECK	V.S.	10/13/94
APPROVED		

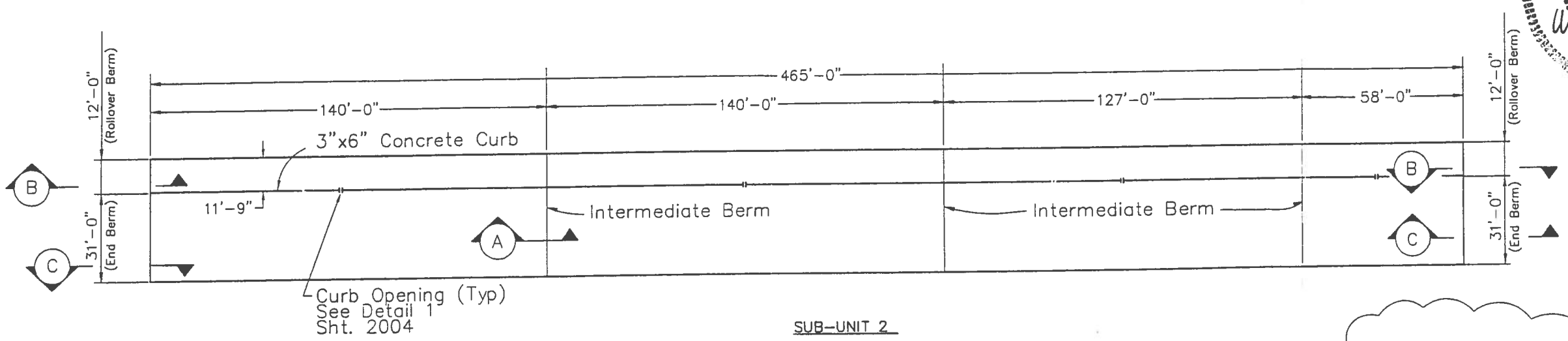
JOB NO. | SCALE 1"=20' | FILE NUMBER CIF\51-30-2-011

USPCI A Subsidiary of Union Pacific Corporation

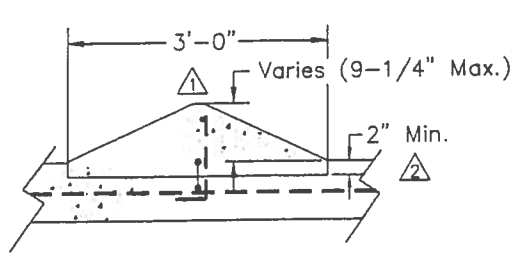
DRAWING NO. 43-10-2-D61 | REV. 5



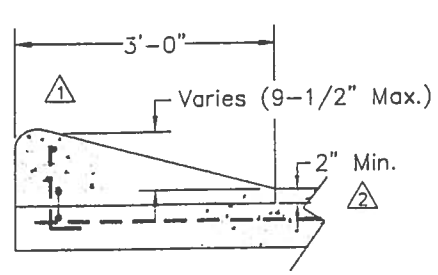
PAVING PLAN
(SUB-UNIT 2)



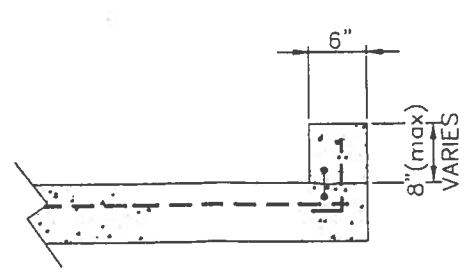
SUB-UNIT 2



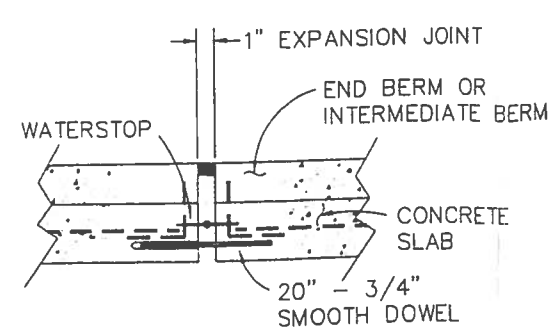
SECTION A
INTERMEDIATE BERM
N.T.S.



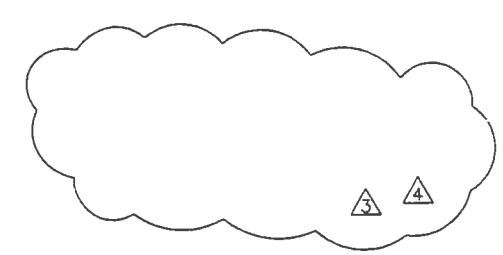
SECTION B
ROLLOVER END BERM
N.T.S.



SECTION C
END BERM (STORAGE AREA ONLY)
N.T.S.



TRANSVERSE SECTION THROUGH END OR INTERMEDIATE BERM
EXPANSION JOINT
N.T.S.



REGISTERED PROFESSIONAL ENGINEER
No. 291583
WALTER G. SCHNEL
STATE OF UTAH

Permit As-Built Drawing

REV.	DATE	BY	DESCRIPTION	APP'D	DATE
4	4/6/95	D.C.	REMOVED NOTES	V.G.S.	4/6/95
3	3/17/95	D.C.	REVISED NOTES	V.G.S.	3/17/95
2	1/19/95	D.C.	ADD TRANSV SEC THRU END & INT BERM; REV SEC A & B	V.G.S.	1/19/95
1	12/1/94	D.C.	ADDED REBAR TO SECTIONS A & B	V.G.S.	12/1/94
0	11/8/94	D.C.	ISSUED FOR CONSTRUCTION	V.G.S.	11/8/94

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DRAWN	D.C.	10/13/94
DESIGN	V.S.	10/13/94
CHECK	V.S.	10/13/94
APPROVED		

USPCI A Subsidiary of Union Pacific Corporation
CLIVE INCINERATION FACILITY

CLIVE INCINERATOR
PAVING PLAN (SUB-UNIT 2)
UNIT 106
SHEET 7 OF 16

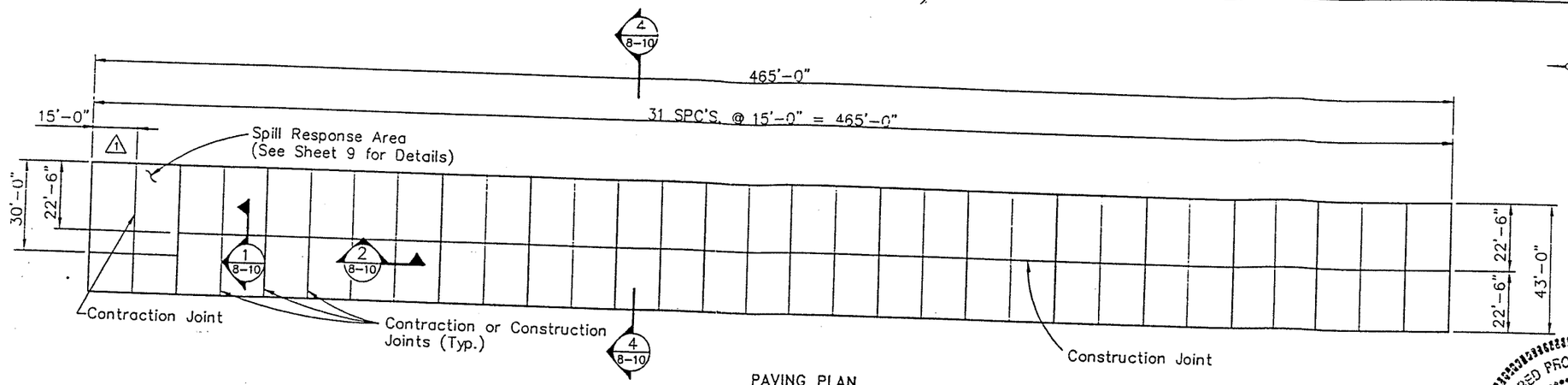
JOB NO. | SCALE 1"=20' | FILE NUMBER CIF\51-30-2-003

USPCI A Subsidiary of Union Pacific Corporation

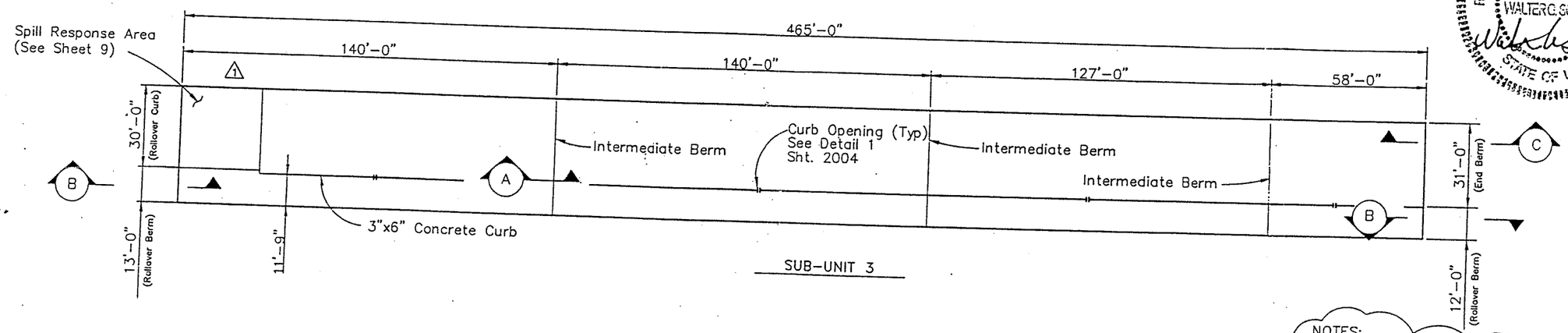
DRAWING NO. 43-10-2-D61 | REV. 4

FORM USPCI-D

NAME: G:\PROJECTS\CIF\51302003.DWG DATE: APR 06, 1995 TIME: 10:14 AM



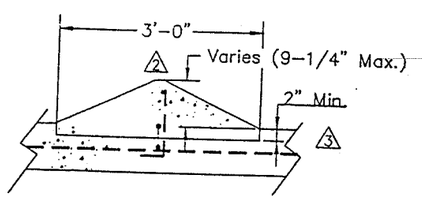
PAVING PLAN
(SUB-UNIT 3)



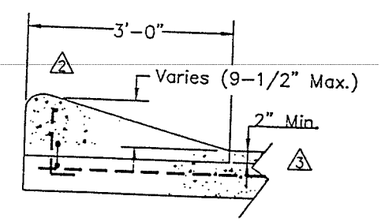
SUB-UNIT 3

NOTES:

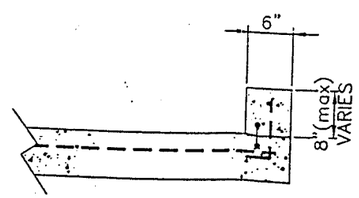
1. A bonding agent shall be used between the hardened and fresh concrete.



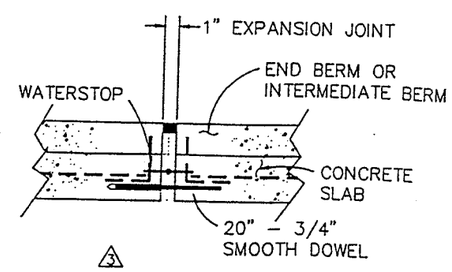
SECTION A
INTERMEDIATE BERM
N.T.S.



SECTION B
ROLLOVER END BERM
N.T.S.



SECTION C
END BERM (STORAGE AREA ONLY)
N.T.S.



TRANSVERSE SECTION THROUGH
END OR INTERMEDIATE BERM
EXPANSION JOINT
N.T.S.

REGISTERED PROFESSIONAL ENGINEER
No. 281582
WALTER G. SCHMIDT
STATE OF UTAH

Permit As-Built Drawing

REV.	DATE	BY	DESCRIPTION	APP'D	DATE
4	3/17/95	D.C.	REVISED NOTES	V.G.S.	3/17/95
3	1/19/95	D.C.	ADD TRANSV SEC THRU END & INT BERM; REV SEC A & B	V.G.S.	1/19/95
2	12/1/94	D.C.	ADDED REBAR TO SECTIONS A & B	V.G.S.	12/1/94
1	11/16/94	D.C.	REVISED SPILL RESPONSE AREA	V.G.S.	11/16/94
0	11/8/94	D.C.	ISSUED FOR CONSTRUCTION	V.G.S.	11/8/94

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CLIVE INCINERATION FACILITY

DRAWN	D.C.H.	10/13/94
DESIGN	V.S.	10/13/94
CHECK	V.S.	10/13/94
APPROVED		

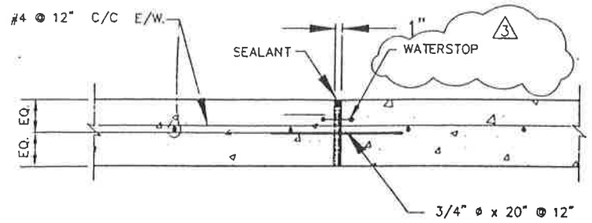
CLIVE INCINERATOR
PAVING PLAN (SUB-UNIT 3)
UNIT 106
SHEET 8 OF 16

JOB NO. | SCALE 1"=20' | FILE NUMBER CIF\51-30-2-010

USPCI A Subsidiary of Union Pacific Corporation

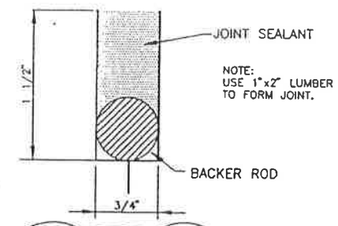
DRAWING NO. 43-10-2-D61 | REV. 4

FORM USPCI-D



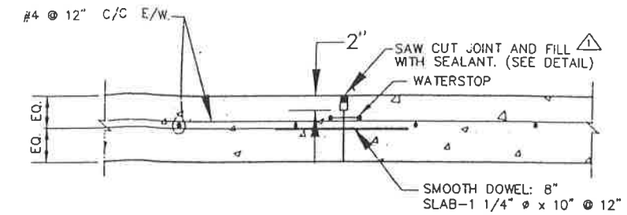
SECTION 1

LONGITUDINAL EXPANSION JOINT @ 8" SLAB INTERSECTION



SAW CUT JOINT DETAIL

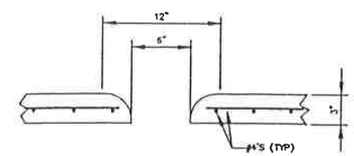
3



TRANSVERSE CONTRACTION JOINT

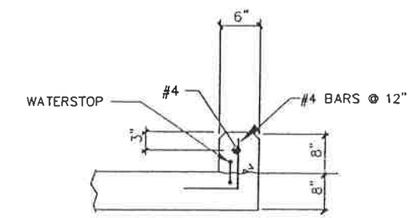
TRANSVERSE CONSTRUCTION JOINT

SECTION 2

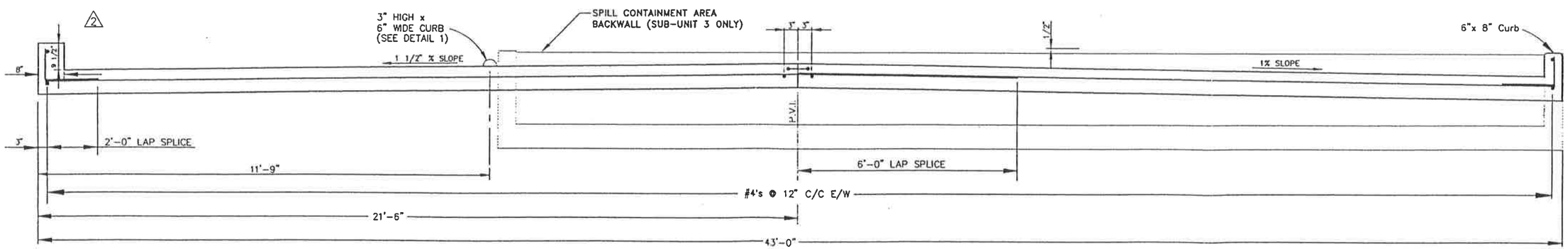


DETAIL 1 1

CURB OPENING
ONE OPENING AT THE CENTER OF ALL BAYS
BETWEEN INTERMEDIATE BERMS



LONGITUDINAL CURB



Section 4

(10 - 6) (9 - 10)

REGISTERED PROFESSIONAL ENGINEER
No. 281583
WALTER G. SCHINZ
STATE OF UTAH

NOTES: 3

1. WATERSTOPS REQUIRED FOR COLD JOINTS SHALL BE RIBBED WITH CENTER BULB, STYLE 705 (PVC) BY GREEN STREAK PLASTIC PRODUCTS CO., OR EQUAL.

2. A BONDING AGENT SHALL BE USED BETWEEN THE HARDENED AND FRESH CONCRETE.

Permit As-Built Drawing

REV.	DATE	BY	DESCRIPTION	APP'D	DATE
3	3/17/95	D.C.	REVISED NOTES, SECTION NOTATIONS	V.G.S.	3/17/95
2	1/19/95	D.C.	CHANGED CURB, REMOVED ROLLOVER CURB DETAIL.	V.G.S.	1/19/95
1	12/14/94	DCH	ADDED DET. 1 & CGH'D. SAW-CUT DET. & DOWEL SEC. 1	VGS	12/14/94
0	11/8/94	D.C.	ISSUED FOR CONSTRUCTION	V.G.S.	11/8/94

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USPCI A Subsidiary of Union Pacific Corporation
CLIVE INCINERATION FACILITY

DRAWN	D.C.H.	10/13/94
DESIGN	V.S.	10/13/94
CHECK	V.S.	10/13/94
APPROVED		

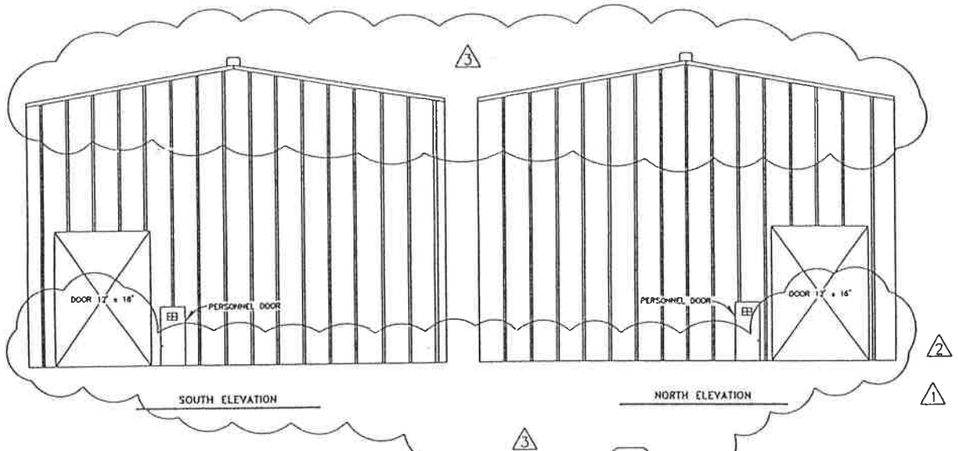
CLIVE INCINERATOR
DETAILS
UNIT 106
SHEET 10 OF 16

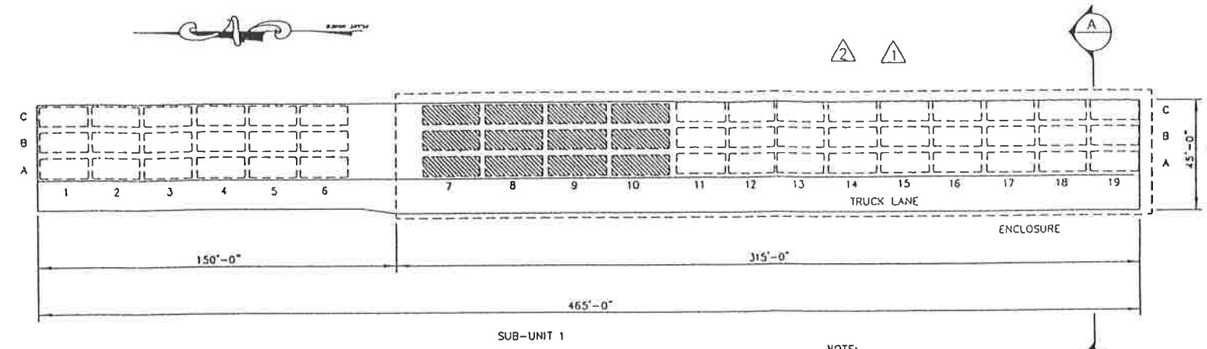
JOB NO. | SCALE n.t.s. | FILE NUMBER CIF\51-30-2-004

USPCI A Subsidiary of Union Pacific Corporation

DRAWING NO. 43-10-2-D61 | REV. 3

FORM USPCI-D



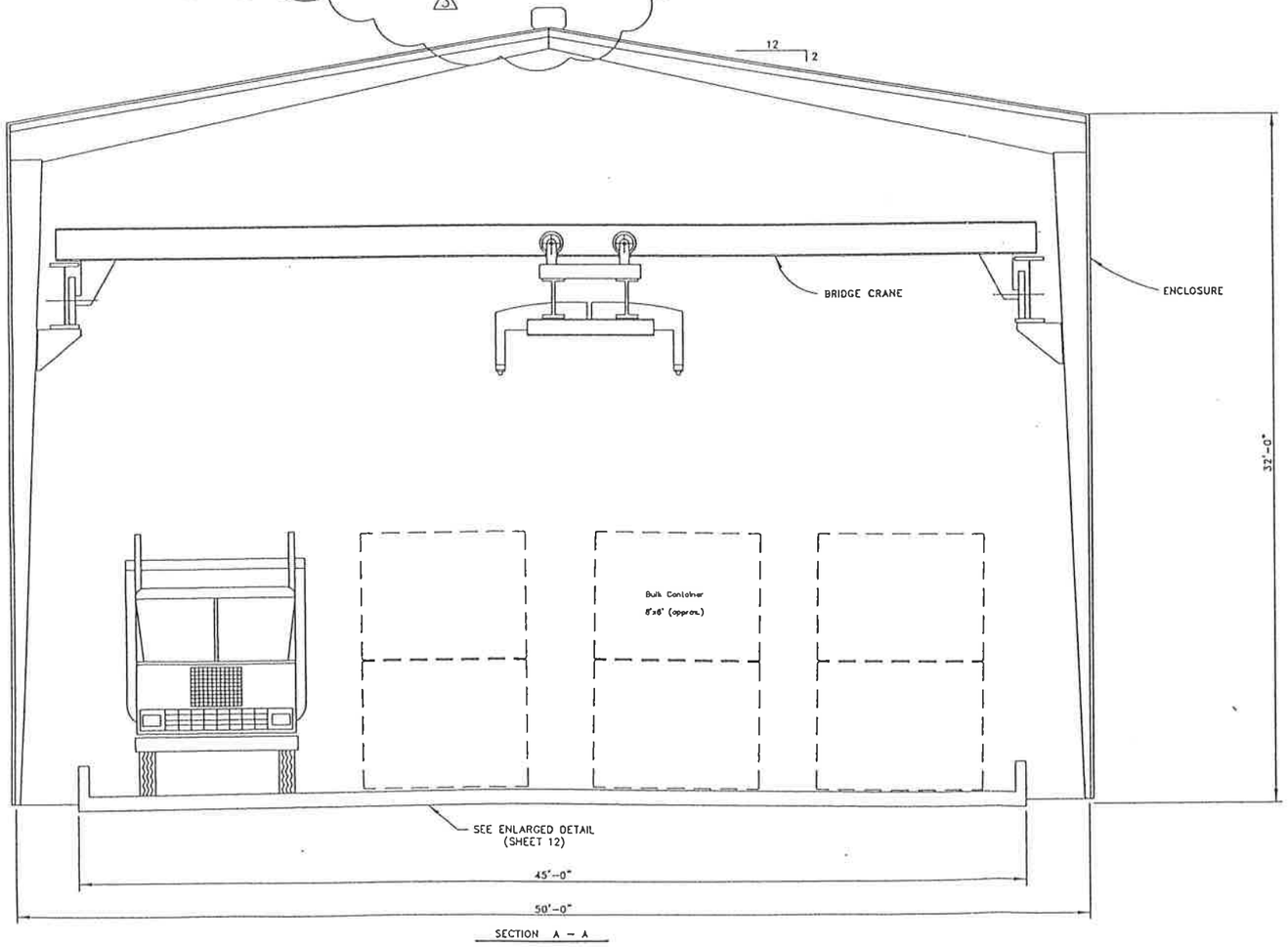


NOTE:
RAMP AND STAIRS NOT SHOWN FOR CLARITY

LEGEND

20' CONTAINER

24' CONTAINER



SECTION A – A

LICENSED PROFESSIONAL ENGINEER
No. 154118
RICHARD R. OWENS
STATE OF UTAH

10/5/95

CAD
OCT 0 1995
DEPARTMENT

AS-BUILT

PERMIT DRAWING

REV	DATE	BY	DESCRIPTION	
3	10/4/95	SVD	ISSUED AS-BUILT	
2	8/3/95	DC	PUT ELEVATIONS, ENCLOSURE BACK ON	RC 8/7/95
1	4/6/95	DC	REMOVED ENCLOSURE IN PLAN & SECTION; ELEVATIONS	VGS 4/6/95
0	11/8/94	DC	ISSUED FOR CONSTRUCTION	VGS 11/8/94

NOTICE

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DRAWN	DH	10/13/94
DESIGN	WS	10/13/94
CHECK	WS	10/13/94
APPROVED		

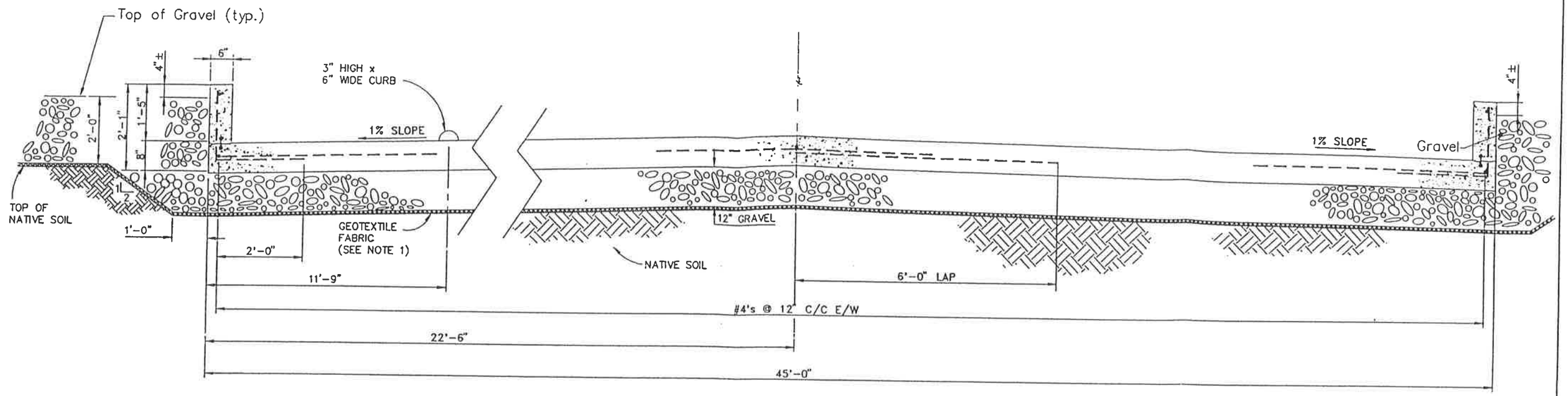
CLIVE INCINERATOR
ENCLOSURE SECTION & ELEVATIONS
UNIT 106
SHEET 11 OF 16

JOB NO. | SCALE NTS | FILE NUMBER 51302007

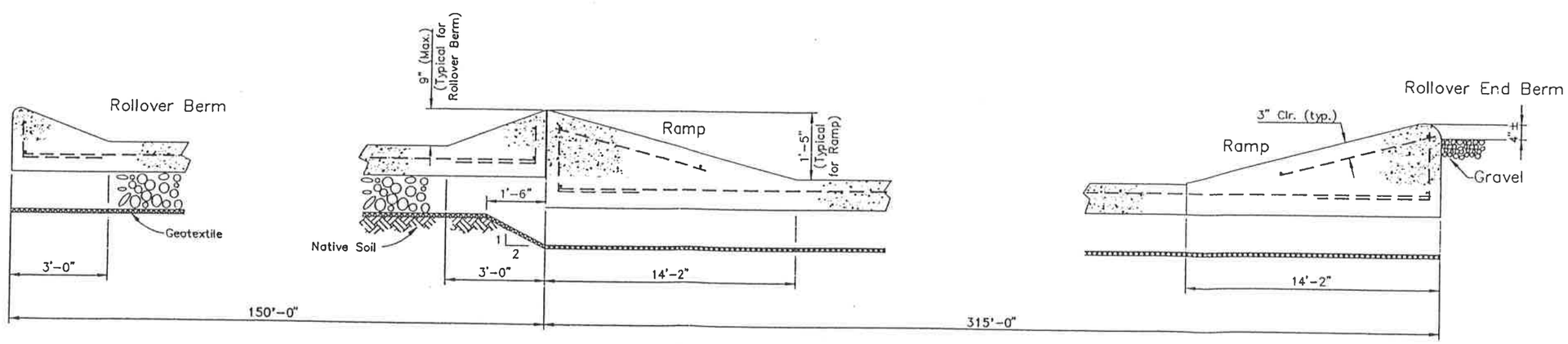
USPCI LANDLAW ENVIRONMENTAL SERVICES

DRAWING NO. 43-10-2-D61 | REV 3

FORM DPERMIT



SECTION 3
(12 - 6)



SECTION F
(12 - 6)

Permit As-Built Drawing

REGISTERED PROFESSIONAL ENGINEER
No. 281583
WALTER G. SCANNE
STATE OF UTAH

NOTES:

1. Geotextile Fabric Shall Be Placed Between Native Soil and the Backfilled Gravel. Geotextile Fabric Shall Conform to the Material Indicated in the Specifications.

REV.	DATE	BY	DESCRIPTION	APP'D	DATE
0	11/8/94	D.C.	ISSUED FOR CONSTRUCTION	V.G.S.	11/8/94

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USPCI A Subsidiary of Union Pacific Corporation
CLIVE INCINERATION FACILITY

DRAWN	D.H.	10/13/94
DESIGN	V.S.	10/13/94
CHECK	V.S.	10/13/94
APPROVED		

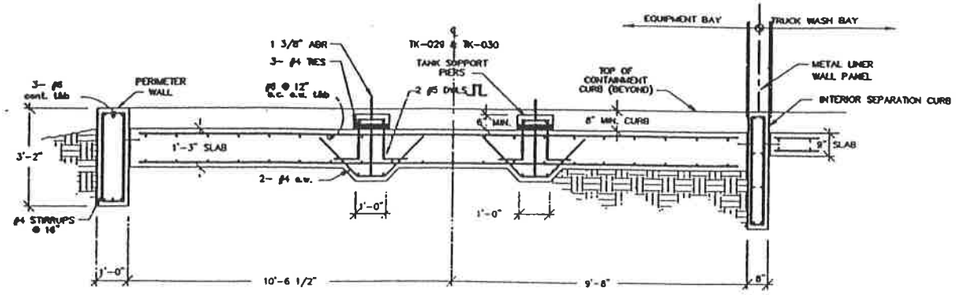
CLIVE INCINERATOR
ENCLOSURE CONTAINMENT AREA
UNIT 106
SHEET 12 OF 16

JOB NO. | SCALE n.t.s. | FILE NUMBER CIF\51-30-2-006

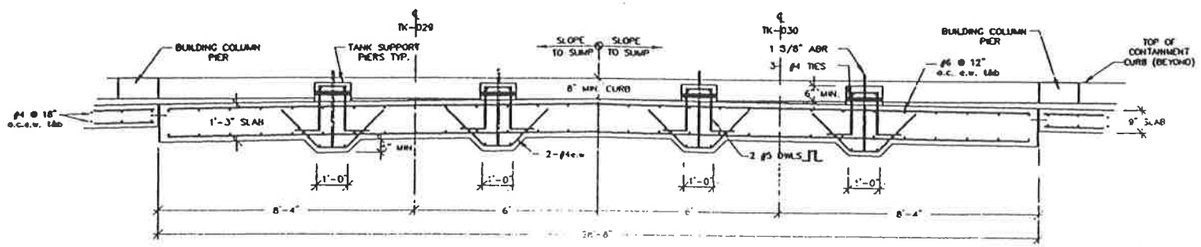
USPCI A Subsidiary of Union Pacific Corporation

DRAWING NO. 43-10-2-D61 | REV. 0

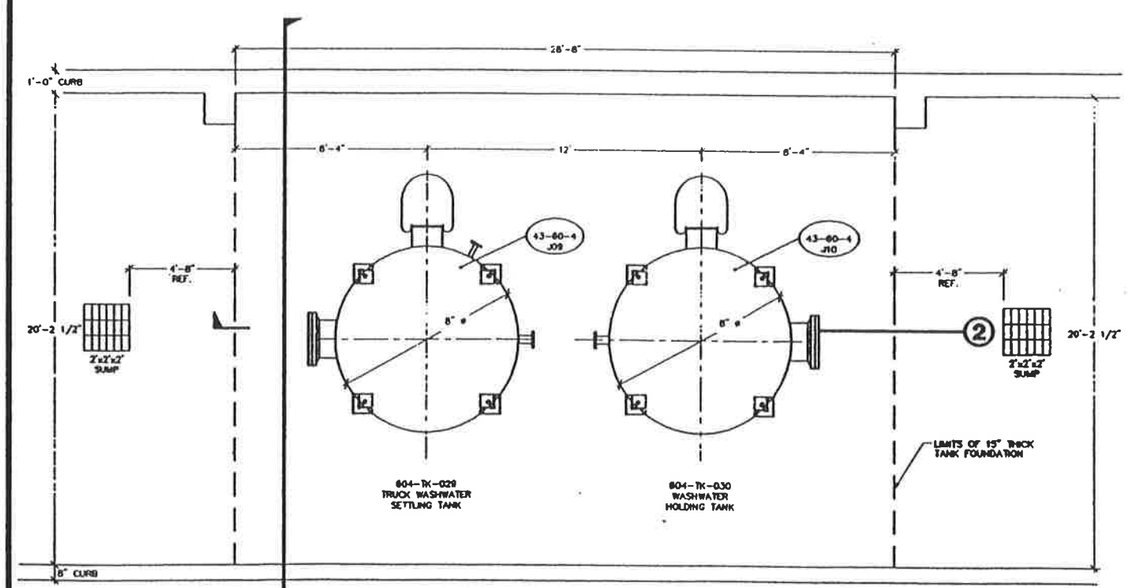
FORM USPCI-D



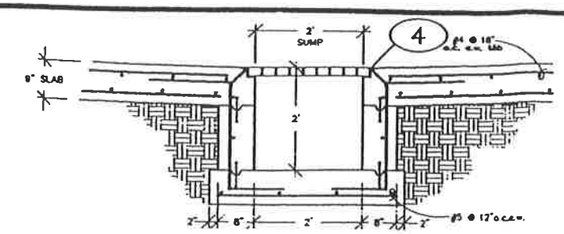
1 SECTION THRU TANK FOUNDATION & CURBS
REF. DWG. 43-60-2-J04
SCALE: 1/2" = 1'-0"



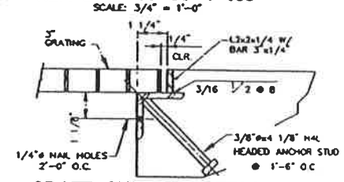
2 SECTION THRU TANK FOUNDATION
REF. DWG. 43-60-2-J04
SCALE: 3/8" = 1'-0"



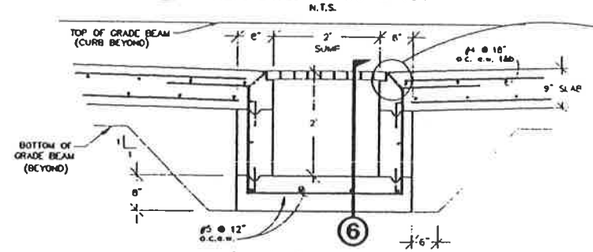
1 PLAN VIEW TANK FOUNDATION
SCALE: 3/8" = 1'-0"

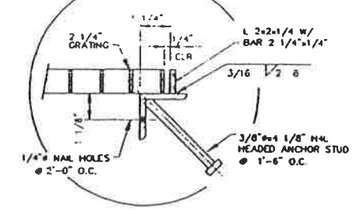


3 2'x2'x2' SUMP DETAIL EQUIPMENT BAY
REF. DWG. 43-60-4-J08
SCALE: 3/4" = 1'-0"

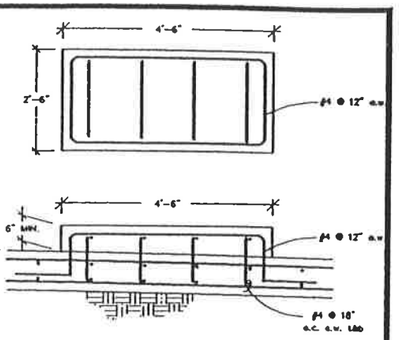


4 GRATE SUPPORT DETAIL EQUIPMENT BAY
REF. DWG. 43-60-2-J04
N.T.S.

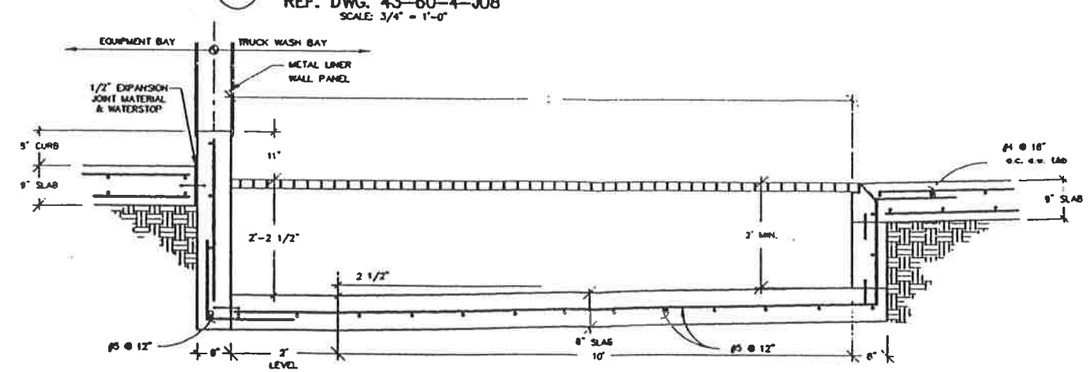




5 2'x12'x2' SUMP DETAIL TRUCK WASH BAY
REF. DWG. 43-60-4-J08
SCALE: 3/4" = 1'-0"



7 TYPICAL PUMP PEDESTAL DETAIL
REF. DWG. 43-60-4-J08
SCALE: 3/4" = 1'-0"



6 SECTION THRU 2'x12'x2' SUMP TRUCK WAH BAY
REF. DWG. 43-60-2-J04
SCALE: 3/4" = 1'-0"

NOTE:
INFORMATION FOR THIS DRAWING WAS TAKEN FROM UNITED ENGINEERS & CONSTRUCTORS JOB # 9908.001, AS-BUILT DRAWINGS #43-60-2-041, D42, D43, #43-00-2-002 & #43-60-3-001, DATED 3/31/93.

LICENSED PROFESSIONAL ENGINEER
Lic. #259719
MARK C. CHRISTIAN
10/26/93
STATE OF UTAH

ON BEHALF OF ETI CORPORATION, INC., I DO HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THIS DRAWING REFLECTS AS-BUILT CONDITIONS AS SPECIFICALLY DIRECTED TO AND LIMITED BY THE CONDITIONS OF THE "CONSTRUCTION EXCAVATION REPORT, BLDG. 0830, CLIVE, TOOELE COUNTY, UTAH" AS PREPARED BY ETI CORPORATION.

PERMIT AS BUILT DRAWING
ORIGINAL SHEET SIZE: 24" x 36"

REV.	DATE	BY	DESCRIPTION	APP'D	DATE

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UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
BREAK SHARP EDGES TO ALL FILLETS TO

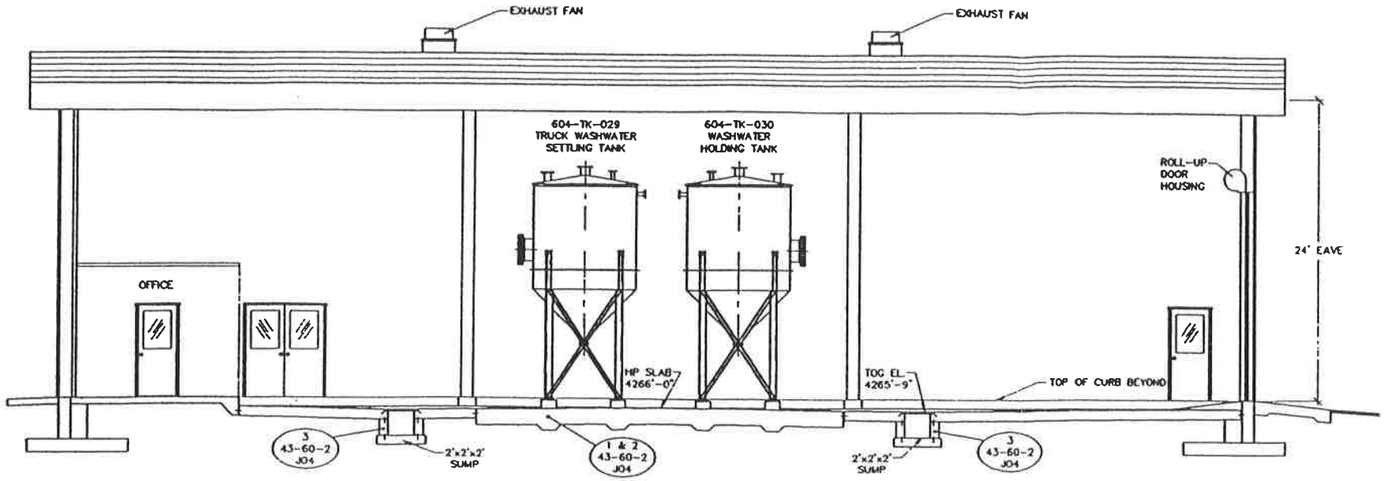
DRN. RTF DATE 10-26-93
CHKD. DATE
APPR. DATE

ETI CORPORATION
6799 GREAT OAKS RD. SUITE 100
MEMPHIS TENNESSEE, 38138-3500
(901) 758-0400

CLIVE INCINERATOR
TRUCK WASH TANK FOUNDATION DETAILS

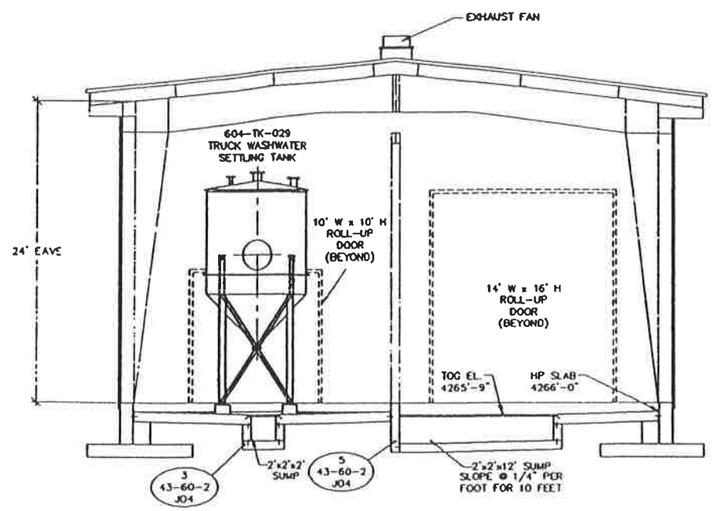
FILE NAME 103V4001
SCALE AS NOTED
DRAWING NO. 604-2-04
REV.
DRAWING NO. 43-60-2-J04
REV.

USPCI
A Subsidiary of Union Pacific Corporation



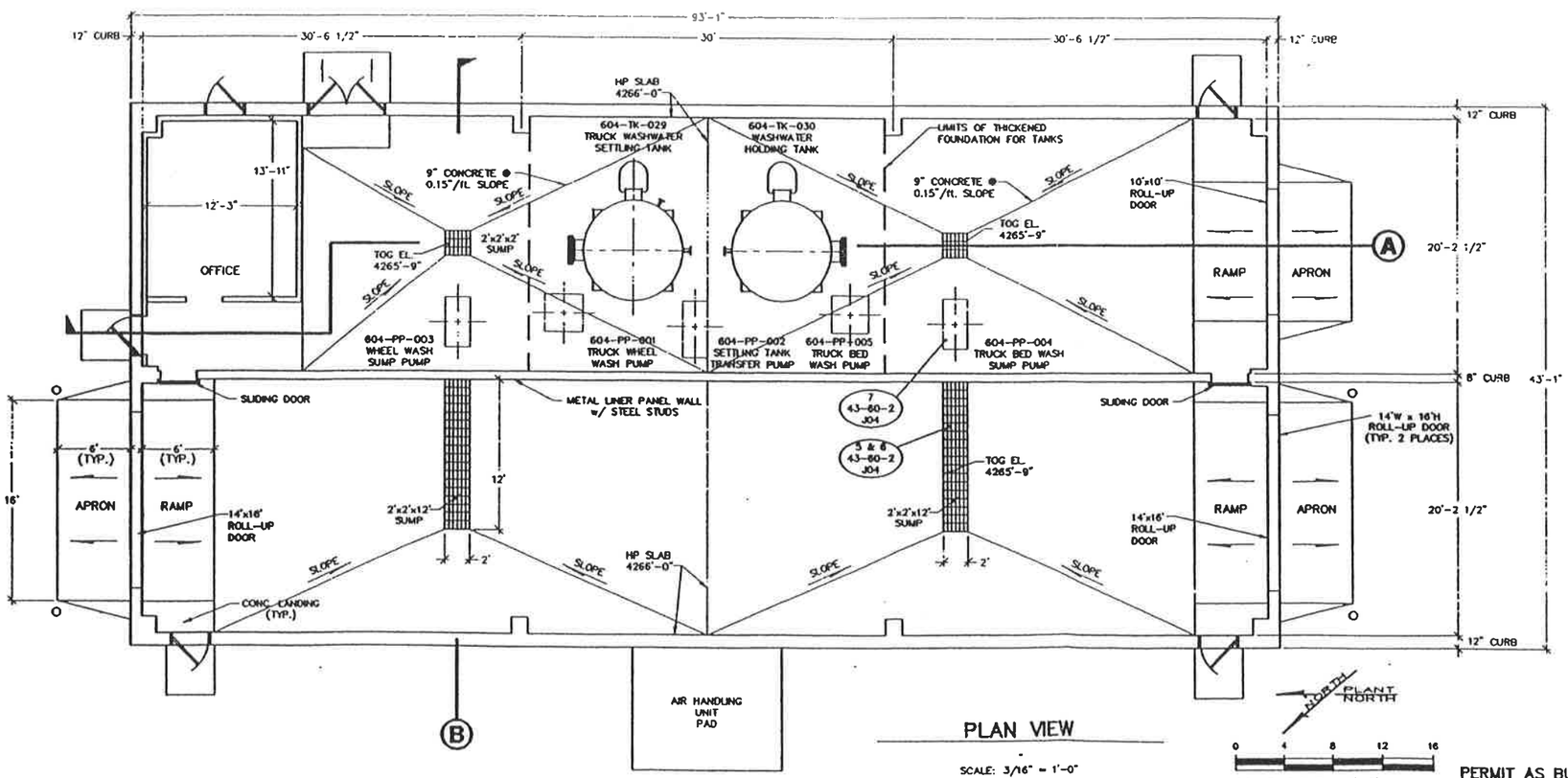
A SECTION THRU EQUIPMENT BAY

SCALE: 3/16" = 1'-0"



B SECTION THRU EQUIPMENT & WASH BAYS

SCALE: 3/16" = 1'-0"



PLAN VIEW

SCALE: 3/16" = 1'-0"

SCALE: 3/16" = 1'-0"

PERMIT AS BUILT DRAWING

ORIGINAL SHEET SIZE: 24" x 36"

LICENSED PROFESSIONAL ENGINEER
No. 259719
MARK C. CHRISTIAN
10/26/93
STATE OF UTAH

ON BEHALF OF ETI CORPORATION, INC., I DO HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THIS DRAWING REFLECTS AS-BUILT CONDITIONS AS SPECIFICALLY DIRECTED TO AND LIMITED BY THE CONDITIONS OF THE "CONSTRUCTION CERTIFICATION REPORT, TRUCK WASH CLIVE, TOOELE COUNTY, UTAH," AS PREPARED BY ETI CORPORATION.

NOTE:
INFORMATION FOR THIS DRAWING WAS TAKEN FROM UNITED ENGINEERS & CONSTRUCTORS JOB # 9908.001, AS-BUILT DRAWING #43-60-2-041, #43-60-2-042, #43-60-2-043 & #43-60-3-001, DATED 3/31/93.

REV.	DATE	BY	DESCRIPTION	APP'D	DATE

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ETI CORPORATION
6799 GREAT OAKS RD. SUITE 100
MEMPHIS TENNESSEE, 38138-2500
(901) 758-0400

CLIVE INCINERATOR
TRUCK WASH
PLAN & SECTIONS

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES; BREAK SHARP EDGES ALL FILLETS

DRN. LC DATE 10-26-93
CHKD. DATE
APPD. DATE

FILE NAME 103HWP01 SCALE 3/16"=1'-0"

DRAWING NO. 604-4-08 REV.

DRAWING NO. 43-60-4-J08 REV.

USPCI
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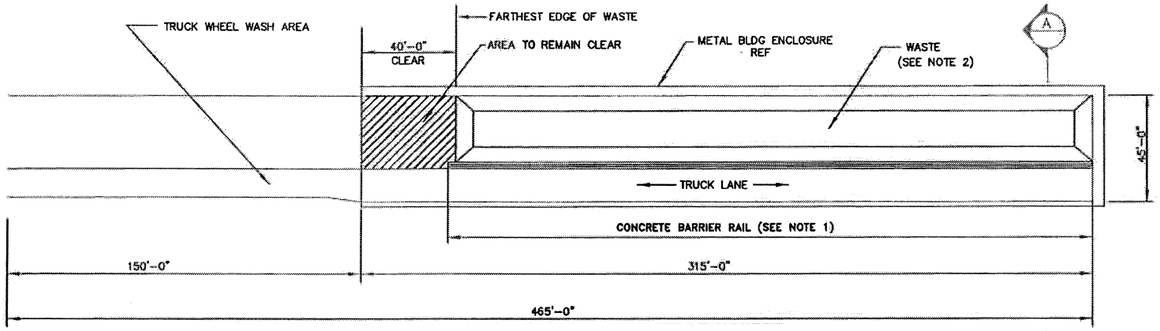
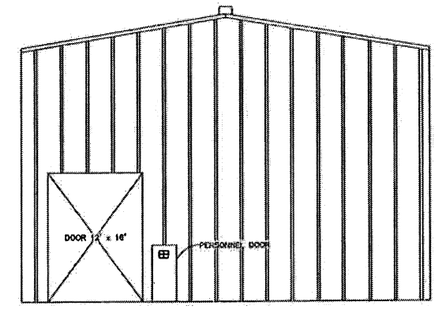
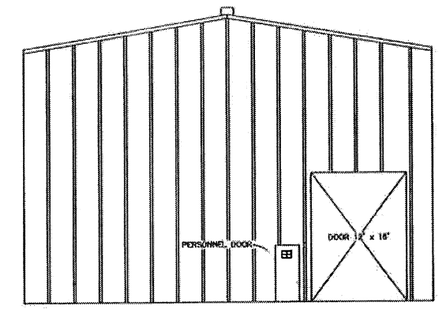


SUB-UNIT 1
PLAN

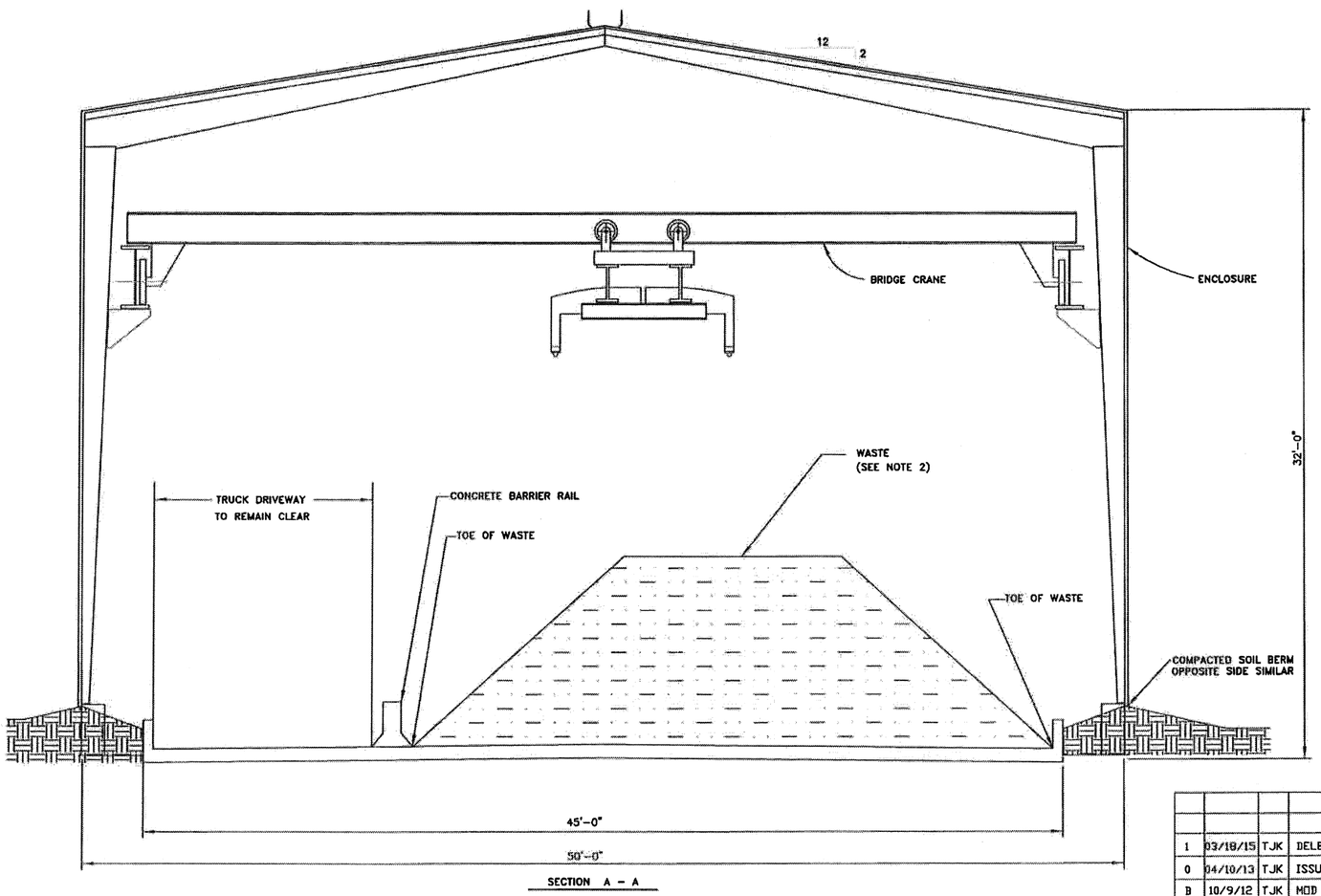
NOTE:
RAMP AND STAIRS NOT SHOWN FOR CLARITY



SOUTH ELEVATION
(SEE NOTE 3)



NORTH ELEVATION



SECTION A – A

REGISTERED PROFESSIONAL ENGINEER
No. 7207431-2202
JOHN WILLIAM CALDWELL
03/20/15
STATE OF UTAH

NOTE:
1. LENGTH OF CONCRETE BARRIER RAIL WILL VARY TO ACCOMODATE THE LENGTH OF WASTE
2. WASTE TO BE CONTAINED BETWEEN CONTAINMENT CURB WALL AND CONCRETE BARRIER RAILS
3. SOUTH OVERHEAD DOOR TO REMAIN CLOSED IF TRANSFER OPERATIONS ARE NOT IN PROGRESS

REV	DATE	BY	DESCRIPTION
1	03/18/15	TJK	DELETE PILE REFERENCE; ADD 'CONTAINMENT BLDG' TO TITLE
0	04/10/13	TJK	ISSUE FOR PERMIT
B	10/9/12	TJK	MOD PILE SIZE, ADD CONC. BARRIER RAIL, CHANGED DOOR NOTES

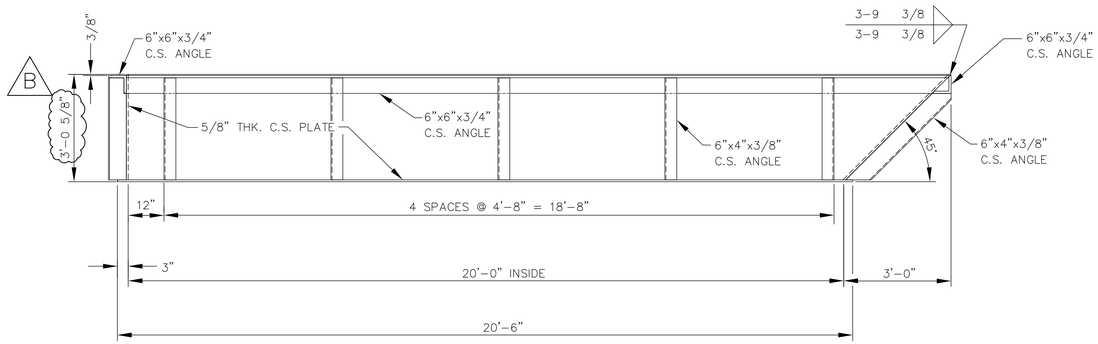
DRAWN	TJK	04/19/12
DESIGN	TJK	04/19/12
CHECK		
APPROVED		

CleanHarbors ENVIRONMENTAL SERVICES ARAGONITE LLC

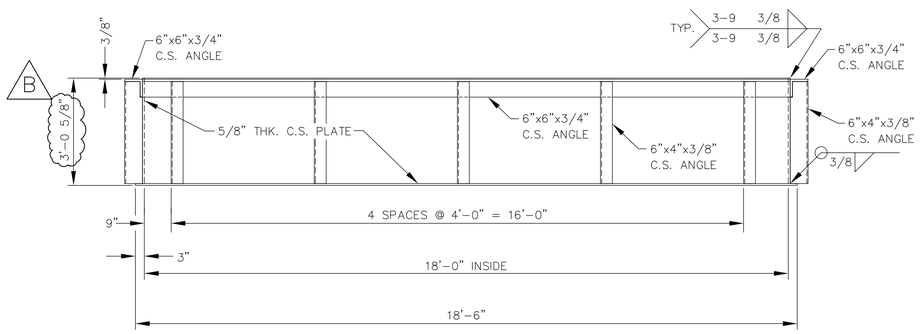
TITLE: CLIVE FACILITY BLDG 106 CONTAINMENT BUILDING SECTION & ELEVATIONS

JOB NO. | SCALE: NTS | FILE NUMBER

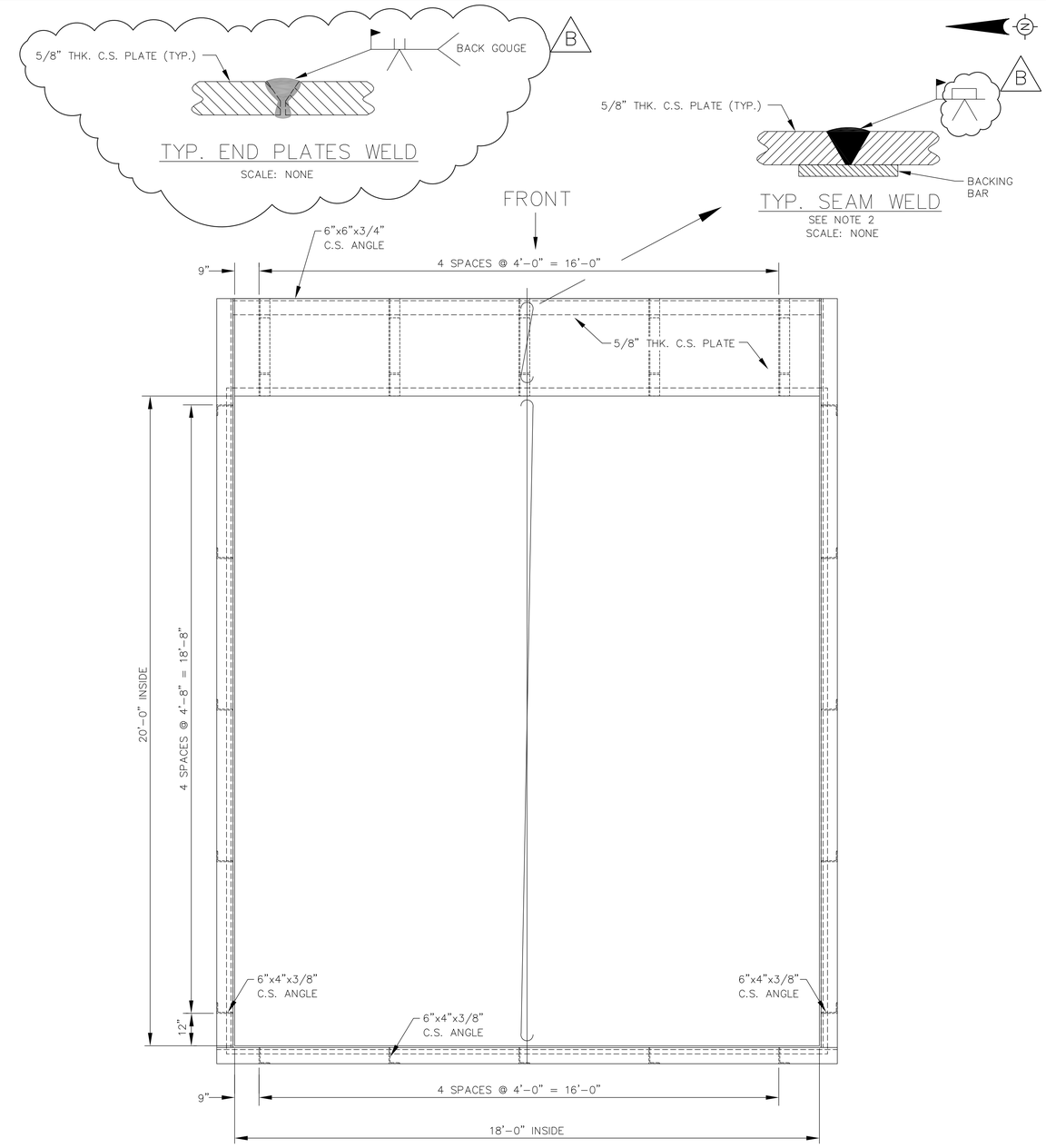
DRAWING NO: CF-000-A-001 | REV: 1



SIDE ELEVATION



REAR ELEVATION



PLAN

NOTES: B

1. ALL EXTERIOR STEEL SURFACES TO BE PRIME PAINTED.
2. MIX TUB MAY BE SHIPPED IN TWO PIECES AND FIELD WELDED PER TYP. SEAM WELD AS SHOWN ABOVE.

NOTE:

REV.	DESCRIPTION	DRAWN BY	DATE	APPR. BY
B	ADDED WELD DETAIL, REVISED NOTE 1 & O.A.H	K.M.C.	2/5/13	
A	PROPOSED	K.M.C.	1/2/13	P.T.W.

CleanHarbors®
BARTOW

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DRAWN	CHECKED	SCALE	DATE
K.M.C.	P.T.W.	AS NOTED	12/11/12

TITLE 64BW5600200

CLEAN HARBORS FLORIDA, LLC
170 BARTOW MUNICIPAL AIRPORT
BARTOW, FLORIDA 33830
MIX TUB – LAYOUT & DETAILS

DRAWING NO. 64BW-5600-200 REV. B