

Drawing Number

Drawing Title

General Site

PRMI-T01	General Facility Topographic Plan - Sheet 1 (Section 19)	B
PRMI-T03	Typical Facility Site Plan	B, I
PRMI-T04	Facility Topographic Plan Existing Conditions	D
PRMI-T05a	Facility Topographic Plan Pre-RCRA Units	B, J
PRMI-T06	Facility Typical Site Utility Plan	B
PRMI-T07	Facility Transportation Routes	B
PRMI-T08	Facility Typical Traffic Plan Interim Conditions	B
PRMI-T09	Facility Typical Traffic Plan Final at Closure	B, I
PRMI-T10	Facility Typical Communication and Emergency Response Equipment Plan	B, F, G
PRMI-T11	Facility Typical Soil Sampling Plan	B, I
PRMI-T12	Facility Topographic Plan Interim Conditions	B, D
PRMI-T13	Facility Typical Topographic Plan Final at Closure	I

Containment Building (Debris Area)

773C-S01	Structural Containment Building (Debris Area) Typical Plan for Truck Ramp & Platform	D, I
773C-S02	Structural Containment Building (Debris Area) Typical Truck Platform Plan	D, I
773C-S03	Structural Containment Building (Debris Area) Typical Truck Platform - Sections and Details	D, I
773C-S04	Structural Containment Building (Debris Area) Typical Truck Ramp - Section and Details	D, I
D2020-A02	Architectural Containment Building (Debris Area) Floor Plan	C, D, I
D2020-A03	Architectural Containment Building (Debris Area) Miscellaneous Platform Plan	D, I
D2020-A04	Architectural Containment Building (Debris Area) Roof Plan	D, I
D2020-A05	Architectural Containment Building (Debris Area) Building Elevations - Sheet 1	D, I
D2020-A06	Architectural Containment Building (Debris Area) Building Elevations - Sheet 2	D, I
D2020-A07	Architectural Containment Building (Debris Area) Building Sections	D, I
D2020-C05	Civil - Containment Building (Debris Area) Liner Plan	D, I
D2020-C08	Civil - Containment Building (Debris Area) Trench Sections and Details	D, I
D2020-H01	Containment Building (Debris Area) Air Pollution Control System Section and Schematic	D, I
D2020-H03	Containment Building (Debris Area) Composite Duct System - Plan	D, I
D2020-H04	Air Pollution Control Equipment Containment Building (Debris Area) Mechanical Equipment Plan	D, I
D2020-P01	Process and Instrument Diagram Containment Building Complex (Debris Portion)	General Information
D2020-R02	General Arrangement Containment Building (Debris Area) Floor Plan	D, I
D2020-R05	General Arrangement Containment Building (Debris Area) Typical Details	D, I
D2020-R07	Equipment Arrangement Containment Building Sections	C, D, I
D2020-R08	Equipment Arrangement Containment Building Sections & Details	C, D, I

Drawing Number

Drawing Title

Containment Building (Stabilization Area)

793P-C05	Civil Containment Building (Stabilization Area) Foundation Plan	D, I
793P-C06	Civil - Containment Building (Stabilization Area) Foundation Plan @ Mixing Bins	D, I
793P-C07	Civil Containment Building (Stabilization Area) Liner Plan	D, I
793P-C08	Civil Containment Building (Stabilization Area) Slab Plan	D, I
793P-C09	Civil Containment Building (Stabilization Area) Foundation Sections and Details - Sheet 1	D
793P-C12	Containment Building (Stabilization Area) Typical Mixing Bin Sections and Details	D
793P-C13	Civil - Containment Building (Stabilization Area) Mixing Bin Sections	D, I
793P-C14	Civil - Containment Building (Stabilization Area) Section and Details	D, I
793P-C15	Civil - Containment Building (Stabilization Area) Slab Sections and Details	D, I
793P-C16	Civil - Containment Building (Stabilization Area) Miscellaneous Sections and Details	D
793P-C17	Civil - Containment Building (Stabilization Building) Equipment Foundations Plan	I
793P-G01	Air and Process Water System Containment Building (Stabilization Area) Plan View and Section	D, I
793P-H01	Air Pollution Control System Containment Building (Stabilization Area) Plan View and Section	D, I
793P-P03	Typical Schematic Flow Diagram Air Pollution Control System Containment Building (Stabilization Area)	D
793P-P04	Typical Schematic Flow Diagram Containment Building (Stabilization Area) Process Water System	D
793P-R01	Typical Equipment Arrangement Containment Building (Stabilization Area) Floor Plan	D, I
793P-R02	Typical Equipment Arrangement Containment Building (Stabilization Area) Elevations	D, I
PRMI-D04	Civil - Containment Building (Stabilization Building) Typical Storm Drain Profiles and Details	General Information
PRMI-R31	General Arrangement Containment Building (Stabilization Area) Typical Plan - Sheet 1	D, I
PRMI-R32	General Arrangement Containment Building (Stabilization Area) Typical Plan - Sheet 2	D, I
PRMI-R33	General Arrangement Containment Building (Stabilization Area) Typical Sections Sheet 1	D, I
PRMI-R34	General Arrangement Containment Building (Stabilization Area) Typical Sections Sheet 2	D, I
PRMI-R35	General Arrangement Containment Building (Stabilization Area) Typical Sections Sheet 3	D, I

Container Management Units, Storage Pads, and RCRA/TSCA/PCB Processing and Storage Building

PRMI-C11	Grand View Idaho - Storage Pad No. 4 and Process Plant Pad Plans and Sections (Note: Includes Leachate Tanks)	C, D, I
PRMI-C12	Civil - Container Storage Area Pad No. 4 and Process Plant Pad Sections	C, D, I
PRMI-C13	Civil - Container Storage Area Pad No. 4 and Process Plant Pad Sections & Details	C, D, I
PRMI-C14	Civil - Container Storage Area Pad No. 4 and Process Plant Pad Plans and Sections	I
PRMI-C15	Civil - Container Storage Area Pad No. 4 and Process Plant Pad Plans, Sections and Details	I
PRMI-C16	Civil - Container Storage Pad No. 7 Storage and Processing Areas Grading Plan	C, D, I
PRMI-C17	Civil - Container Storage Pad No. 7 Storage and Processing Areas Sections and Details	C, D, I
PRMI-R11	Typical General Arrangement Container Storage Areas PAD NOS. 4 & 5 and Plant PAD	C, D, I

US Ecology Process Treatment Bins

Sheet 1 of 4	General Notes	General Information
Sheet 2 of 4	Plan and Elevations	General Information
Sheet 3 of 4	Leak Detection Retainment Pan	General Information
Sheet 4 of 4	Sections and Details	General Information

May 2014 USEI Permit  
Application Section  
Reference

Landfills

Drawing Number	Drawing Title	Reference
PRMI-L01	Civil - Trenches 10 and 11 Typical Site Plan	D, I
PRMI-L02	Civil - Trenches 10 and 12 Typical Subgrade Plan	D, I
PRMI-L03	Civil - Trenches 10 and 11 Typical Final Grading Plan	D, I
PRMI-L04	Civil - Trenches 10 and 11 Cap System Sections and Details Typical Final Closure	D, I
PRMI-L05	Civil - Trenches 10 and 11 Typical Final Closure Cap System Sections and Details	I
PRMI-L06	Civil - ET Cap Test Pad Typical Plan, Section, and Detail	I
PRMI-L11	Facility - Cell 5 Typical Site Plan	D, I, M
PRMI-L12	Civil - Cell 5 Typical Primary Liner Plan	D, I, M
PRMI-L13	Civil - Cell 5 Typical Subgrade Plan at Closure	D, I, M
PRMI-L14	Civil - Cell 5 Typical Final Grading Plan	D, I, M
PRMI-L15	Civil - Cell 5 - Phase 1 Typical Sections and Details	D, I, M
PRMI-L16	Civil - Phase 1 Typical Sections and Details	D, I, M
PRMI-L17	Civil - Cell 5 - Phase II Typical Sections and Details	D, I, M
PRMI-L18	Civil - Cell 5 - Phase II Typical Sections and Details	D, I, M
PRMI-L19	Civil - Cell 5 Final Closure Typical Cap System Sections and Details	D, I
PRMI-L21	Civil - Cell 14 Typical Site Plan	D, I, M
PRMI-L22	Civil - Cell 14 Typical Secondary Liner Plan	D, I, M
Sheet 5 of 9	Civil - Cell 14 - Final Closure Typical Final Cover Sections and Details	I
PRMI-L23	Civil - Cell 14 Typical Final Grading Plan - (REPLACED Sheet 8 of 9)	D, I, M
PRMI-L24	Civil - Phase 1 Typical Sections and Details	D, I, M
PRMI-L25	Civil - Cell 14 - Phase 2 Typical Sections and Details	D, I, M
PRMI-L26	Civil - Phase 2 Typical Sections and Details	D, I, M
PRMI-L27	Civil - Cell 14 - Phase 2 Typical Sections and Details	D, I, M
52-00-00	Cell 15 - Grand View Facility	D
52-01-01	Cell 15 - Site Plan/Cell Layout	D
52-01-02	Cell 15 - Cell Construction Phasing and Waste Limits	D
52-01-03	Cell 15 - Sections and Details Sheet 1	D
52-01-04	Cell 15 - Sections and Details Sheet 2	D
52-01-05	Cell 15 - Sections and Details Sheet 3	D
Sheet 5 of 8	Civil Cell 15 Final Closure Final Cover Grading Plan	General Information
Sheet 6 of 8	Civil Cell 15 Final Closure Typical Cross Sections	General Information
Sheet 7 of 8	Civil Cell 15 Final Closure Typical Final Cover Section and Details	General Information
52-01-06	Cell 15 - Final Cover Grading Plan	General Information
52-01-07	Cell 15 - Final Cover Sections and Details 1	General Information
52-01-08	Cell 15 - Final Cover Sections and Details 2	General Information
15-08-00	Cell 15 Modification - Cover Sheet	General Information
15-08-01	Cell 15 Modification - Phase IV Layout / Plan View	General Information
15-08-02	Cell 15 Modification - Cell Liner Sections	General Information
15-08-03	Cell 15 Modification - Interim Waste Placement	General Information
15-08-04	Cell 15 Modification - Final Waste Placement	General Information
15-08-05	Cell 15 Modification - Final Cover Grading Plan	General Information
15-08-06	Cell 15 Modification - Sumps and Risers Sections and Details	General Information
15-08-07	Cell 15 Modification - Leachate Pipe Sections and Details	General Information

Drawing Number

Drawing Title

Landfills (continued)

16-11-00	Cell 16 Drawing Index and Cover Sheet	D
16-11-01	Cell 16 Cell Liner Layout Plan View 1	D
16-11-02	Cell 16 Cell Liner Layout Plan View 2	D
16-11-03	Cell 16 Liner Sections and Details	D
16-11-04	Cell 16 construction Phasing and Waste Placement	D, M
16-11-05	Cell 16 Interim Storm Water Control Details	D
16-11-06	Cell 16 Sumps and Risers Sections and Details	D
16-11-07	Cell 16 Leachate Pipe Sections and Details	D
16-11-08	Cell 16 Waste Placement Sections and Details	D, I
Sheet 5 of 9	Cell 16 Final Closure Final Cover Grading Plan North	I
Sheet 6 of 9	Cell 16 Final Closure Final Cover Grading Plan South	I
Sheet 7 of 9	Cell 16 Final Closure Typical Cross Sections	General Information
Sheet 8 of 9	Cell 16 Final Closure Typical Final Cover Sections and Details – 1	General Information
Sheet 9 of 9	Cell 16 Final Closure Typical Final Cover Sections and Details – 2	General Information
PRMI-L28	Civil - Cell 14 - Final Closure Typical Cap System Section and Details (Referenced in Attachment 9c)	D, I, M
Sheet 8 of 9	Civil - Cell 14 Final Closure - Typical Final Cover Section and Details	General Information
PRMI-L29	Civil - Cell 14 - Final Closure typ Cap Drainage Sections and Details	D, I, M
PRMI-R15	General Facility Container Storage Area 1 Typical Container Layout & Regrading Plan	C, D, I
PRMI-R21	General Arrangement - RCRA/PCB Storage BLDG, and PCB Storage Tank Facility	C, D, I
PRMI-R22	General Arrangement - RCRA/PCB Storage BLDG & PCB Processing BLDG, and PCB Storage Tank Facility - Sections	C, D, I

Leachate Piping and Treatment System

720C-G01	Piping Leachate Treatment System Cell 14 Leachate Plans	D, I
720C-G02	Piping Leachate Treatment System Detail Plan No. 1	D, I
720C-G03	Piping Leachate Treatment System Detail Plan No. 2	D, I
720C-G04	Piping Leachate Treatment System Detail Plan No. 3	D, I
720C-G05	Piping Leachate Treatment System Treatment Building Plan and Sections	D, I
720C-G06	Piping Leachate Treatment System Piping Profile	D, I
720C-G07	Piping Leachate Treatment System Leachate Piping Sections and Details	D
720C-P01	Process & Instrumentation Diagram Leachate Treatment System	C, D
720C-P02	Process & Instrumentation Diagram Existing Leachate Treatment System	C, D

Surface Impoundments and Surface Water Drainage

PRMI-D01	Facility - Surface Drainage Plan Existing Conditions	D, N
PRMI-D02	Facility - Surface Drainage Plan Interim Conditions	N
PRMI-D03	Facility Surface Drainage Plan Final at Closure	N
PRMI-D05	Civil - Surface Water Typical Drainage Details	D, N
PRMI-D06	Civil - Collection Ponds Nos. 1, 2, & 3 Plan Sections and Details	D, I, N
PRMI-D07	Civil - Collection Ponds Nos. 1, 2, & 3 Plan Sections and Details	D, I, N
PRMI-D08	Civil - Final Closure - Cap Drainage Section and Details	N
PRMI-L41	Civil - Evaporation Pond Typical Plans, Section, and Details	D, I, M
52-01-09	Cell 15 - Site Drainage Existing Conditions and Interim Phase	D

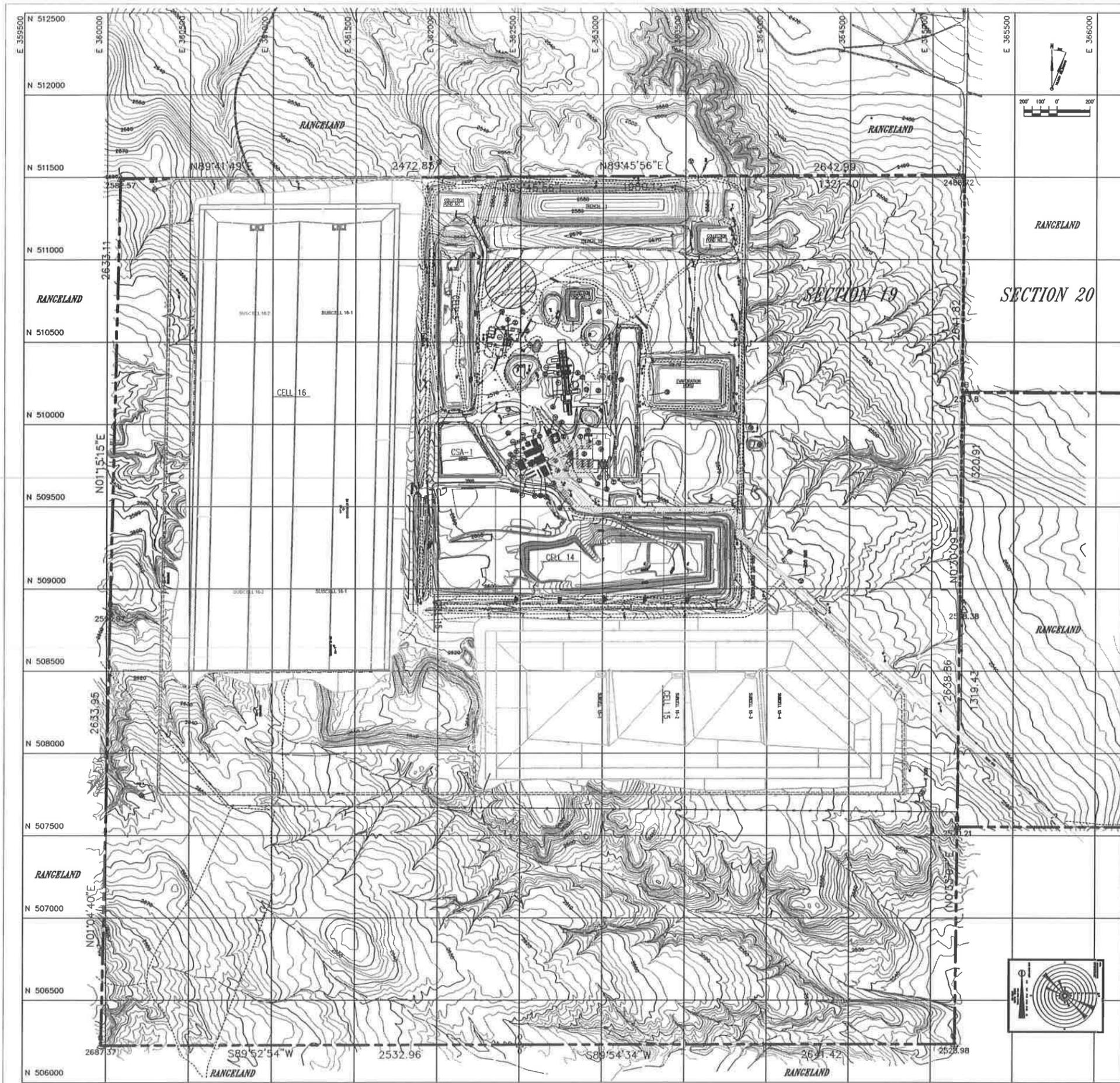
May 2014 USEI Permit  
Application Section  
Reference

Drawing Number

Drawing Title

General Site

PRMI-T01	General Facility Topographic Plan - Sheet 1 (Section 19)	B
PRMI-T03	Typical Facility Site Plan	B, I
PRMI-T04	Facility Topographic Plan Existing Conditions	D
PRMI-T05a	Facility Topographic Plan Pre-RCRA Units	B, J
PRMI-T06	Facility Typical Site Utility Plan	B
PRMI-T07	Facility Transportation Routes	B
PRMI-T08	Facility Typical Traffic Plan Interim Conditions	B
PRMI-T09	Facility Typical Traffic Plan Final at Closure	B, I
PRMI-T10	Facility Typical Communication and Emergency Response Equipment Plan	B, F, G
PRMI-T11	Facility Typical Soil Sampling Plan	B, I
PRMI-T12	Facility Topographic Plan Interim Conditions	B, D
PRMI-T13	Facility Typical Topographic Plan Final at Closure	I



MATCH LINE DRAWING NO. PRM1-T02

- LEGEND**
- 3/4" RIM PIN W/ ALUMINUM CAP
  - POWER POLE
  - WELL
  - FENCE LINE
  - PROPERTY BOUNDARY
  - UNPAVED ROAD
  - PAVED ROAD
  - EXISTING TOPOGRAPHY
  - RIM UNIT BOUNDARY
  - GALLERY
  - DRAINAGE
  - CORNER PIPE
  - POND WATER TRANSFER PIPE
  - FACILITY KEY NUMBER
  - LEACHATE PIPE P/LINE

- FACILITY KEY**
- 1 CONTAINER STORAGE POND 4
  - 2 COMPRESSOR/AC BUILDING
  - 3 STABILIZATION FACILITY OFFICE
  - 4 STABILIZATION FACILITY
  - 5 PDS PROCESSING BUILDING
  - 6 VEHICLE WASH FACILITY
  - 7 FIBERGLASS
  - 8 FIELD TECH/PPE BUILDING
  - 9 STORAGE BUILDING
  - 10 MAINTENANCE SHOP
  - 11 DECONTAMINATION BUILDING
  - 12 LAB OFFICES
  - 13 RECEIVING OFFICE/LAB
  - 14 PDS 4 OFFICE
  - 15 FUEL STORAGE DRUMS/PILING STATION
  - 16 CONFORMANCE BUILDING
  - 17 PUMP HOUSE/WATER STORAGE DRUMS
  - 18 COMPRESSED GAS STORAGE AREA
  - 19 ADMINISTRATION BUILDING
  - 20 ADMINISTRATION/LUNCH ROOM
  - 21 ADMINISTRATION BUILDING
  - 22 PROCESSING STORAGE BUILDING
  - 23 REAGENT STORAGE
  - 24 "UNASSIGNED"
  - 25 SECURITY BUILDING
  - 26 PROPHET TOWER
  - 27 SAMPLING PLATFORM
  - 28 STORAGE AREA
  - 29 TRUCK SCALE
  - 30 FLAG POLE
  - 31 WETLAND STATION
  - 32 DIESEL & PDS STORAGE DRUM COMPARTMENT
  - 33 UNDERGROUND CLEW WATER TANK
  - 34 EXHAUSTION GATES
  - 35 RCHA STORAGE DRUMS-4 UNITS
  - 36 CONTAINER STORAGE POND 5
  - 37 PDS 8-INCH PDS STORAGE BUILDING APPROX
  - 38 "UNASSIGNED"
  - 39 STABILIZATION BUILDING
  - 40 DRG HOUSE
  - 41 AREA PLATE HOUSE AND FIN
  - 42 WAD TRUCK SCALE
  - 43 CONTAINER STORAGE POND 7
  - 44 CONFORMANCE BUILDING TRUCK UNLOADING AREAS 1, 2 AND 3
  - 45 CONFORMANCE BUILDING TRUCK UNLOADING AREAS 1 AND 2
  - 46 CONFORMANCE BUILDING TRUCK UNLOADING AREAS 1 AND 3
  - 47 PROCESS PLANT PND
  - 48 LEACHATE TREATMENT SYSTEM
  - 49 STABILIZATION FACILITY ACTIVE SLOES
  - 50 STABILIZATION BUILDING ACTIVE SLOES
  - 51 EMPLOYMENT POND LOADING/UNLOADING AREA
  - 52 OFFICE TRAILER SHED/TANK
  - 53 LAB WASTE HOLDING TANK
  - 54 CONTROL HOUSE
  - 55 ET CAP TEST PND

- GENERAL NOTES:**
1. EXISTING SITE TOPOGRAPHY, PHYSICAL FEATURES AND ELEVATIONS OBTAINED FROM Aerial PHOTOGRAPHY AND SURVEYS FROM PROVIDED TO EMPLOYER/REGULATORS BY J.J. HOWARD ENGINEERING-SURVEYING 1970-A HILL ROAD, BOISE, IDAHO 83725. DATE OF ORIGINAL SURVEY - NOVEMBER 4, 1988.
  2. ADDITIONALLY THE FOLLOWING AREAS OF THE SITE HAVE BEEN UPDATED AND INCORPORATED INTO THE EXISTING SITE PLAN AS FOLLOWS:
    - A. AN ADDITIONAL 1,000 FEET TO THE NORTH OF SECTION 19 HAS BEEN SURVEYED AND INCORPORATED INTO THE EXISTING TOPOGRAPHY. SURVEY BY: J.J. HOWARD DATED FEBRUARY 20, 1998.
    - B. STABILIZATION AND CONFORMANCE BUILDING UPDATED AS OF JANUARY 14, 1997. SURVEY BY: J.J. HOWARD. DESIGN CONTROLS BY: EMPLOYER/REGULATORS.
    - C. PDS 4 PROCESS PLANT AREA UPDATED AS OF APRIL 15, 1998. SURVEY BY: J.J. HOWARD.
    - D. LEACHATE FORCE MAIN AND SOIL STOCKPILE SURVEY UPDATED AS OF FEBRUARY 15, 1998. SURVEY BY: J.J. HOWARD.
    - E. THE CURRENT TOP OF WASTE ELEVATIONS FOR CELL 5 AS OF JANUARY 2, 1998. SURVEY BY: J.J. HOWARD.
    - F. THE CURRENT TOP OF WASTE ELEVATIONS FOR CELL 14 AS OF JANUARY 04, 2001. SURVEY BY: J.J. HOWARD.
    - G. TOPOGRAPHY OF TRENCHES 10 AND 11 UPDATED AS OF SEPTEMBER 12, 2000. SURVEY BY: J.J. HOWARD.
    - H. UPDATE OF CONTAINER STORAGE AREA NO. 1 TOPOGRAPHY AS OF JUNE 18, 1998. SURVEY BY: J.J. HOWARD.
    - I. BORROW AREA TOPOGRAPHY UPDATED AS OF DECEMBER 12, 2000. SURVEY BY: J.J. HOWARD.
    - J. WEST HALL ROAD TOPOGRAPHY UPDATED AS OF DECEMBER 03, 2000. SURVEY BY: J.J. HOWARD.
    - K. ET CAP TEST PND TOPOGRAPHY UPDATED AS OF NOVEMBER 09, 2000. SURVEY BY: J.J. HOWARD.
  3. NO PORTION OF THE 100-YEAR FLOOD PLAIN EXISTS WITHIN SECTION 19.
  4. POTENTIOMETRIC SURFACE OF LOWER AND UPPER AQUIFER REPRESENTED, AS MEASURED SPRING 2006.
  5. NORTHERN PORTIONS OF THE POTENTIOMETRIC SURFACE OF THE LOWER AQUIFER HAVE BEEN TRIMMED FROM VIEW TO ALLOW FOR REPRESENTATION OF THE UPPER AQUIFER.
  6. DISCHARGE FLOW RATE INFORMATION FOR THE UPPER AND LOWER AQUIFER IS PROVIDED IN SECTION E.L.C.4 OF PERMIT ATTACHMENT 11.

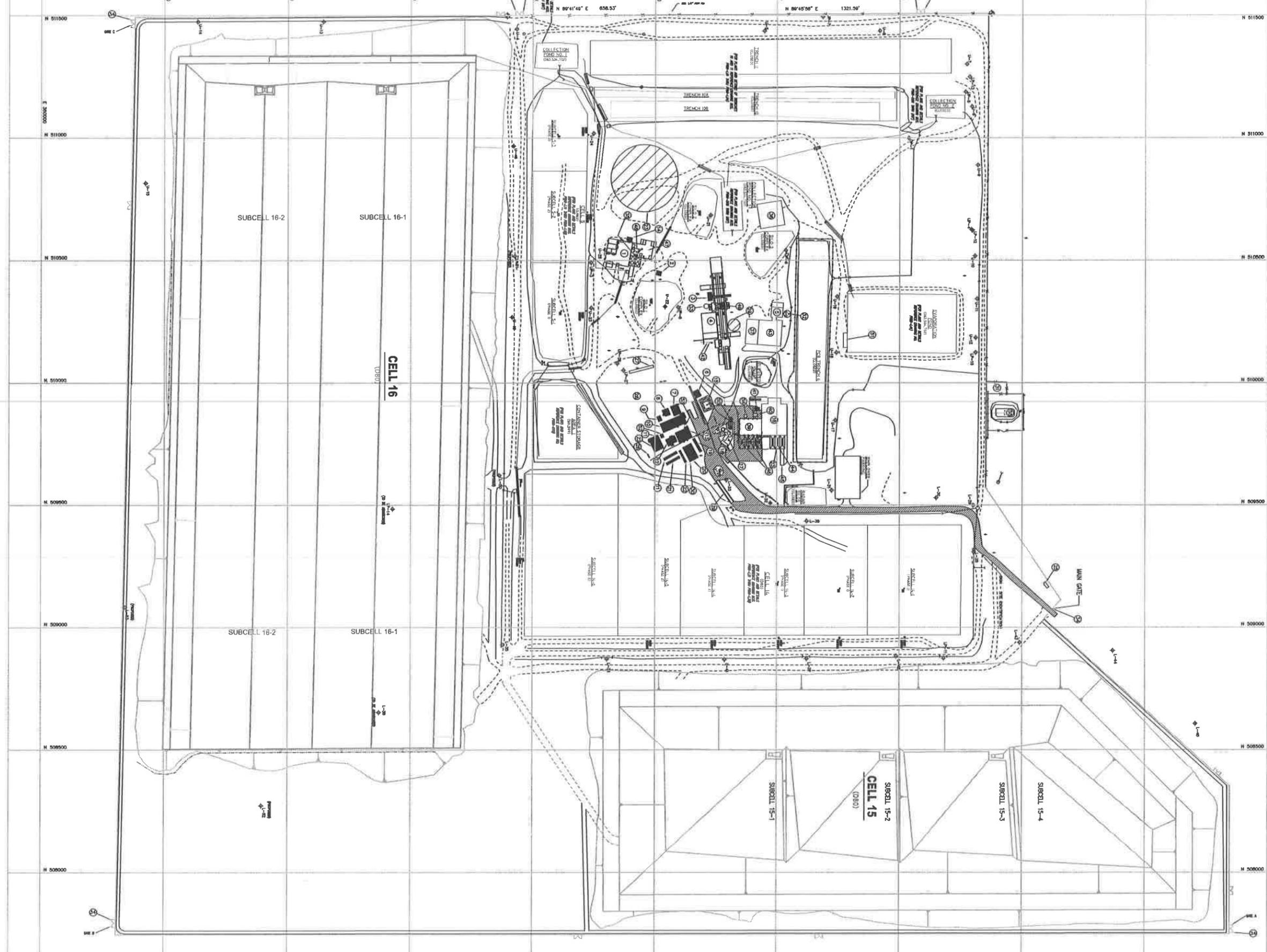
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E	DATE	DESCRIPTION	BY	DATE
	5/19/04	CELL 16		
D	DATE	DESCRIPTION	BY	DATE
	4/19/04	CELL 15 MODIFICATIONS		
C	DATE	DESCRIPTION	BY	DATE
	11/12/04	November 12, 2004 Permit		
B	DATE	DESCRIPTION	BY	DATE
	11/12/04	ISSUED IN RESPONSE TO MODIFICATION DATED NOVEMBER 2, 2006		
A	DATE	DESCRIPTION	BY	DATE
	11/12/04	ISSUED FOR PART B PERMIT RENEWAL APPLICATION		



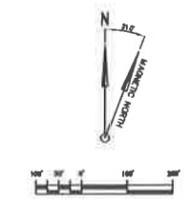
SITE B  
GRAND VIEW, IDAHO  
US EPA ID NO. 00 073 114 654

TITLE:  
GENERAL FACILITY  
TOPOGRAPHIC PLAN  
SHEET 1 - (SECTION 19)

DESIGN BY:	DATE:	SCALE:	FILE NO.:	PROJECT NO.:	REV. NO.:
11/12/04	11/12/04	AS SHOWN	PRM1-T01	PRM1-T01	F
CHECKED BY:	DATE:	ENGINEER:	DATE:	DRWG. NO.:	
PROJECT MANAGER:	DATE:	APPROVED BY:	DATE:	PROJECT NO.:	

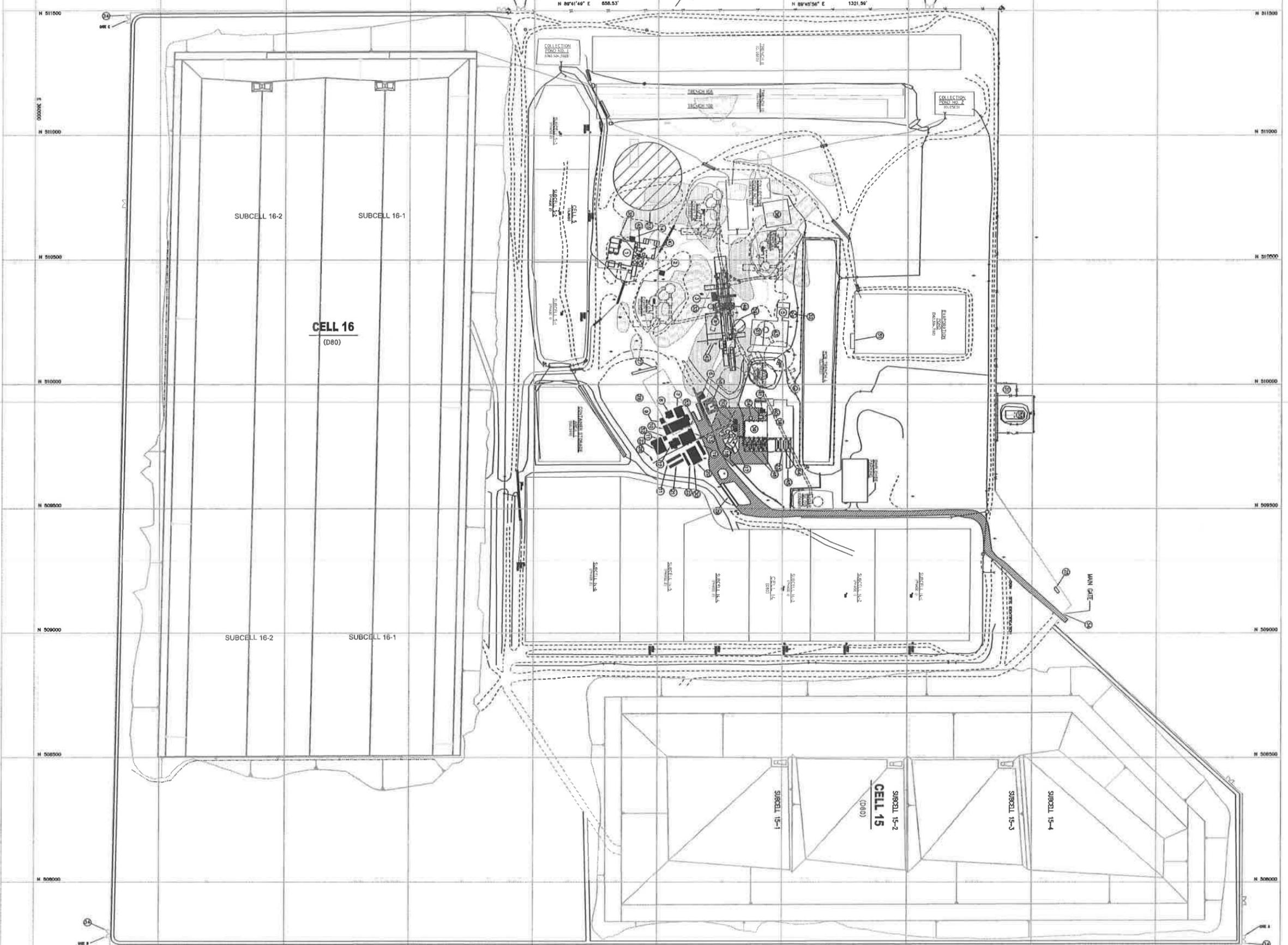


- LEGEND**
- U-14
  - WELL
  - FENCE LINE
  - PROPERTY BOUNDARY
  - UNIMPAVED ROAD
  - PAVED ROAD
  - FOOTWALK BOUNDARY
  - CULVERT
  - ENTRANCE
  - COVERED PIPE
  - PIPE UNDER DRAINAGE PIPE
  - FACILITY KEY NUMBER
  - LOCATED PIPE 1/2" DIA.
- FACILITY KEY AND PROCESS CODES**
- |                                     |   |
|-------------------------------------|---|
| 1 COVERED STORAGE PAD 4 (DIP-24)    | 21 PAVE PILE                              |
| 2 COMPOSTING BLDG                   | 22 WALKWAY BRIDGE                         |
| 3 SWALLOWED FACILITY OFFICE         | 23 BRUSH & PINE STORAGE TRUCK COMPARTMENT |
| 4 SWALLOWED FACILITY CHLOR-240      | 24 UNDERGROUND CLEAN WATER TANK           |
| 5 PAPE PROCESSING BLDG              | 25 EXHAUSTION CHIMNEY                     |
| 6 WASTE WATER FACILITY              | 26 MAIN STORAGE TANKS 4 (DIP-24)          |
| 7 FIBRILLATOR                       | 27 COVERED STORAGE PAD 6 (DIP-24)         |
| 8 FIBRILLATOR BLDG                  | 28 PAPE 4-RUNNING STORAGE BLDG 1ST FLOOR  |
| 9 STORAGE BLDG                      | 29 "WATERMILL"                            |
| 10 MANURE/SLURRY BLDG               | 30 SWALLOWED BLDG CHLOR-240               |
| 11 DISTURBANCE BLDG                 | 31 BLDG 100                               |
| 12 LAB OFFICE                       | 32 MAIN FLEET STORAGE AND FILL            |
| 13 RECEIVING OFFICE/US              | 33 TANK STORAGE                           |
| 14 PAPE 4 OFFICE                    | 34 COVERED STORAGE PAD 7 (DIP-24)         |
| 15 PAPE STORAGE TANKS/PAPE 40 BRUSH | 35 COVERED STORAGE TRUCK UNLOADING AREA   |
| 16 COVERED STORAGE CHLOR-240        | 36 APPROX 1.2 AND 3 (DIP)                 |
| 17 PAPE STORAGE STORAGE TANKS       | 37 SWALLOWED BLDG TRUCK UNLOADING SHED    |
| 18 COMPOSTING OF STORAGE AREA       | 38 SWALLOWED BLDG TRUCK UNLOADING         |
| 19 LABORATORY BLDG                  | 39 FACILITY PLANT PAD                     |
| 20 LABORATORY BLDG                  | 40 LABORATORY TREATMENT SYSTEM            |
| 21 RECEIVING STORAGE BLDG           | 41 SWALLOWED FACILITY STORAGE SLUG        |
| 22 RECYCLE STORAGE                  | 42 SWALLOWED BLDG STORAGE SLUG            |
| 23 "WATERMILL"                      | 43 SWALLOWED STORAGE TRUCK UNLOADING AREA |
| 24 SECURITY BLDG                    | 44 OFFICE TRUCK STORAGE TANK              |
| 25 STORAGE PLATFORM                 | 45 LAB WASTE STORAGE TANK                 |
| 26 STORAGE AREA                     | 46 COVERED STORAGE                        |
| 27 WALK WALK                        | 47 EX-GOP TEST PAD                        |



PART B PERMIT RENEWAL	
CELL 16	
CELL 15 MODIFICATIONS	
NOVEMBER 2, 2008 PERMIT MOD	
USED MOVA PERMIT DATED NOVEMBER 12, 2004	
ISSUED FOR PART B PERMIT RENEWAL APPLICATION	
BY DATE	REVISION
DATE	DATE
<b>us ecology</b>	
SITE B GRAND VIEW, OHIO US EPA ID NO. 000 073 114 804	
TITLE: TYPICAL FACILITY SITE PLAN	
DESIGNED BY DATE	SCALE:
CHECKED BY DATE	FILE CODE:
PROJECT MAN. DATE	APPROVED DATE:
	PRM-103
	PRM



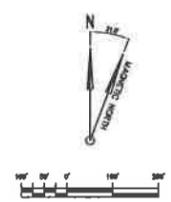


LEGEND

- ◆ 4" DIA. 10' HIGH ALUMINUM COP. PUMP PILE
- FENCE LINE
- - - PROPERTY BOUNDARY
- ▨ UNPAVED ROAD
- ▩ PAVED ROAD
- - - MAIN LINE BOUNDARY
- DRIVEWAY
- DRIVEWAY
- CHECK VALVE
- PUMP WASH TRIGGER PIPE
- FICKLEY KEY NUMBER
- LEACHING PIPE NETWORK
- ▨ TREATMENT CONTROL STRUCTURE AND (SEE TREATMENT)
- ▨ SANDY DRAIN AREA (PVC-12)

FACILITY KEY AND PROCESS CODES

- |                                    |   |
|------------------------------------|---|
| 1. CUSTOMER SERVICE POND (D11,20)  | 20. PUMP PILE   |
| 2. COMPOSTING/ACC. BASIN           | 21. WOODEN SHED   |
| 3. COMPOSTING PICKLE OFFICE        | 22. WASH & RINSE STATION WITH COMPRESSOR                |
| 4. SHIELDING PICKLE (D11,20)       | 23. SHOWER/PAINT CLEAN WASH TANK                        |
| 5. COMPOSTING BASIN                | 24. SHOWER/PAINT  |
| 6. WASTE OIL PICKLE                | 25. MAIN DRAIN TRAP-4 UNITS (D11,20)                    |
| 7. FRESHWATER                      | 26. CUSTOMER SERVICE POND 3 (D11,20)                    |
| 8. FIELD TREATMENT BASIN           | 27. PUMP & TANK FOR TREATMENT BASIN FROM                |
| 9. STORAGE BASIN                   | 28. TREATMENT   |
| 10. SHOWER/PAINT                   | 29. SHIELDING BASIN (D11,20)                            |
| 11. RECYCLING BASIN                | 30. RINSE TANK  |
| 12. LAB OFFICE                     | 31. MAIN FLOOR HOUSE AND SW                             |
| 13. SHOWER OFFICE/IN               | 32. SWIRL TANK  |
| 14. PUMP & OFFICE                  | 33. CUSTOMER SERVICE POND 7 (D11,20)                    |
| 15. PAUL STONE TREATMENT SYSTEM    | 34. CUSTOMER SERVICE TRUCK WASHING                      |
| 16. CUSTOMER SERVICE POND (D11,20) | 35. CUSTOMER SERVICE TRUCK WASHING FROM 1,2 AND 3 (D11) |
| 17. PAUL STONE/PAUL STONE TANK     | 36. CUSTOMER SERVICE TRUCK WASHING FROM 1 AND 2 (D11)   |
| 18. CUSTOMER SERVICE AREA          | 37. PROCESS PAINT TANK                                  |
| 19. SHOWER/PAINT                   | 38. LEACHING TREATMENT SYSTEM                           |
| 20. SHOWER/PAINT                   | 39. SHIELDING PICKLE WASH TANK                          |
| 21. SHOWER/PAINT                   | 40. SHIELDING BASIN/SHOWER WASH                         |
| 22. SHOWER/PAINT                   | 41. SHOWER/PAINT LEACHING AREA                          |
| 23. SHOWER/PAINT                   | 42. OFFICE TRASH STORAGE TANK                           |
| 24. SHOWER/PAINT                   | 43. LAB WASH HOLDING TANK                               |
| 25. SHOWER/PAINT                   | 44. CHECK VALVE   |
| 26. SHOWER/PAINT                   | 45. SW COP. TANK PILE                                   |
| 27. SHOWER/PAINT                   |   |
| 28. SHOWER/PAINT                   |   |
| 29. SHOWER/PAINT                   |   |



REV	DATE	DESCRIPTION	BY	CHECKED
F	2/14/06	PART B PERMIT RENEWAL		
E	2/14/06	CELL 16		
D	2/14/06	CELL 15 MODIFICATIONS		
C	2/14/06	NOVEMBER 2, 2006 PERMIT MOD		
B		USED RCRA PERMIT DATED NOVEMBER 12, 2004		
A		EDUCED FOR PART B PERMIT RENEWAL APPLICATION		
REV	DATE	DESCRIPTION	BY	CHECKED
SITE # GRAND VIEW, IDAHO US EPA ID NO. ID3 073 114 854				
TITLE: FACILITY PLAN WITH PRE-RCRA UNIT				
OWNER	DATE	SCALE	FILE NO.	PROJECT NO.
US ECOLOGY	2/14/06	AS SHOWN	PRM-105A	F
PREPARED BY	DATE	APPROVED BY	DATE	SCALE

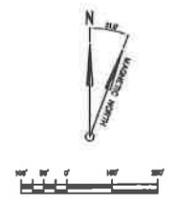


**LEGEND**

	3/4\"/> RISE PER 1' SLOPE UP
	FENCE LINE
	PROPERTY BOUNDARY
	UNIMPAVED ROAD
	PAVED ROAD
	RICA LAY BOUNDARY
	COLLECT
	DRAINAGE
	OTHER PIPE
	PIPE WITH THROTTLE PVE
	RIGIDITY BY BRAND
	LIGHT / MESH
	LIGHT
	UTILITY POLE
	UNDER PIPE 1/2\"/>

**FACILITY KEY AND PROCESS CODES**

1 COMBINED STORAGE POND 1 (200,000)	20 FAS PILE
2 COMBINED STORAGE POND 2 (200,000)	21 WASTEWATER
3 WASTEWATER FACILITY OFFICE	22 DRAIN & PVE STORAGE TANK COMPOUND
4 WASTEWATER FACILITY CHLORINATING	23 WASTEWATER TANK WITH TRAP
5 PVE PROCESSING BUILDING	24 EXHAUST CHIMNEY
6 WASTEWATER FACILITY	25 FAS STORAGE TANKS-4 (200,000)
7 FAS STORAGE TANKS-4 (200,000)	26 COMBINED STORAGE POND 3 (200,000)
8 FAS STORAGE TANKS-4 (200,000)	27 PVE 4-HOUR PVE STORAGE BUILDING APPROX
9 FAS STORAGE TANKS-4 (200,000)	28 WASTEWATER BUILDING (CHLORINATING)
10 FAS STORAGE TANKS-4 (200,000)	29 WASTEWATER BUILDING (CHLORINATING)
11 FAS STORAGE TANKS-4 (200,000)	30 WASTEWATER BUILDING (CHLORINATING)
12 FAS STORAGE TANKS-4 (200,000)	31 WASTEWATER BUILDING (CHLORINATING)
13 FAS STORAGE TANKS-4 (200,000)	32 WASTEWATER BUILDING (CHLORINATING)
14 FAS STORAGE TANKS-4 (200,000)	33 WASTEWATER BUILDING (CHLORINATING)
15 FAS STORAGE TANKS-4 (200,000)	34 WASTEWATER BUILDING (CHLORINATING)
16 FAS STORAGE TANKS-4 (200,000)	35 WASTEWATER BUILDING (CHLORINATING)
17 FAS STORAGE TANKS-4 (200,000)	36 WASTEWATER BUILDING (CHLORINATING)
18 FAS STORAGE TANKS-4 (200,000)	37 WASTEWATER BUILDING (CHLORINATING)
19 FAS STORAGE TANKS-4 (200,000)	38 WASTEWATER BUILDING (CHLORINATING)



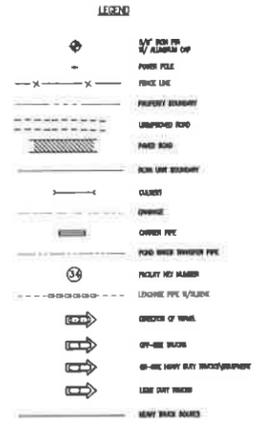
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D	REV	DATE	DESCRIPTION	BY	CHECKED	DATE
C	REV	DATE	DESCRIPTION	BY	CHECKED	DATE
B	REV	DATE	DESCRIPTION	BY	CHECKED	DATE
A	REV	DATE	DESCRIPTION	BY	CHECKED	DATE

**USecology**

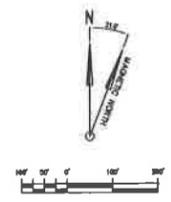
SITE: B  
 OWENS CORNING FIBER OPTICS  
 US EPA ID NO. 073 114 854

TITLE:  
 FACILITY  
 TYPICAL SITE UTILITY PLAN

PRM-106



- FACILITY KEY AND PROCESS CODES**
- 1 CONCRETE STORAGE PAD 4 (DPT,34)
  - 2 CONCRETE STORAGE PAD 5 (DPT,34)
  - 3 CONCRETE STORAGE PAD 6 (DPT,34)
  - 4 CONCRETE STORAGE PAD 7 (DPT,34)
  - 5 CONCRETE STORAGE PAD 8 (DPT,34)
  - 6 CONCRETE STORAGE PAD 9 (DPT,34)
  - 7 CONCRETE STORAGE PAD 10 (DPT,34)
  - 8 CONCRETE STORAGE PAD 11 (DPT,34)
  - 9 CONCRETE STORAGE PAD 12 (DPT,34)
  - 10 CONCRETE STORAGE PAD 13 (DPT,34)
  - 11 CONCRETE STORAGE PAD 14 (DPT,34)
  - 12 CONCRETE STORAGE PAD 15 (DPT,34)
  - 13 CONCRETE STORAGE PAD 16 (DPT,34)
  - 14 CONCRETE STORAGE PAD 17 (DPT,34)
  - 15 CONCRETE STORAGE PAD 18 (DPT,34)
  - 16 CONCRETE STORAGE PAD 19 (DPT,34)
  - 17 CONCRETE STORAGE PAD 20 (DPT,34)
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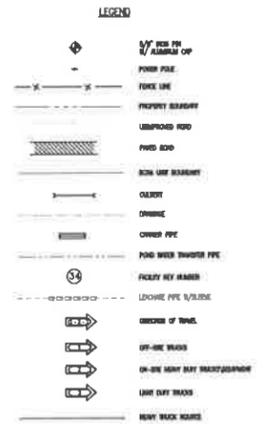
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E	REV	DATE	DESCRIPTION
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C	REV	DATE	DESCRIPTION
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**us ecology**

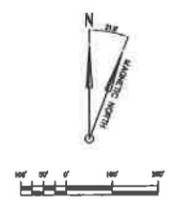
SITE B  
GRAND VIEW, DAVO  
US EPA ID NO. ED 073 114 854

TITLE:  
FACILITY  
TYPICAL TRAFFIC PLAN  
EXISTING CONDITIONS

DESIGNED BY: DATE: SCALE: FILE CODE: PRINTED: REV. NO.:  
CHECKED BY: DATE: DRAWN: DATE: PROJ. NO.: PRM-107 F  
SCALE: DATE: APPROVED: DATE: PROJ. NO.: PRM-107



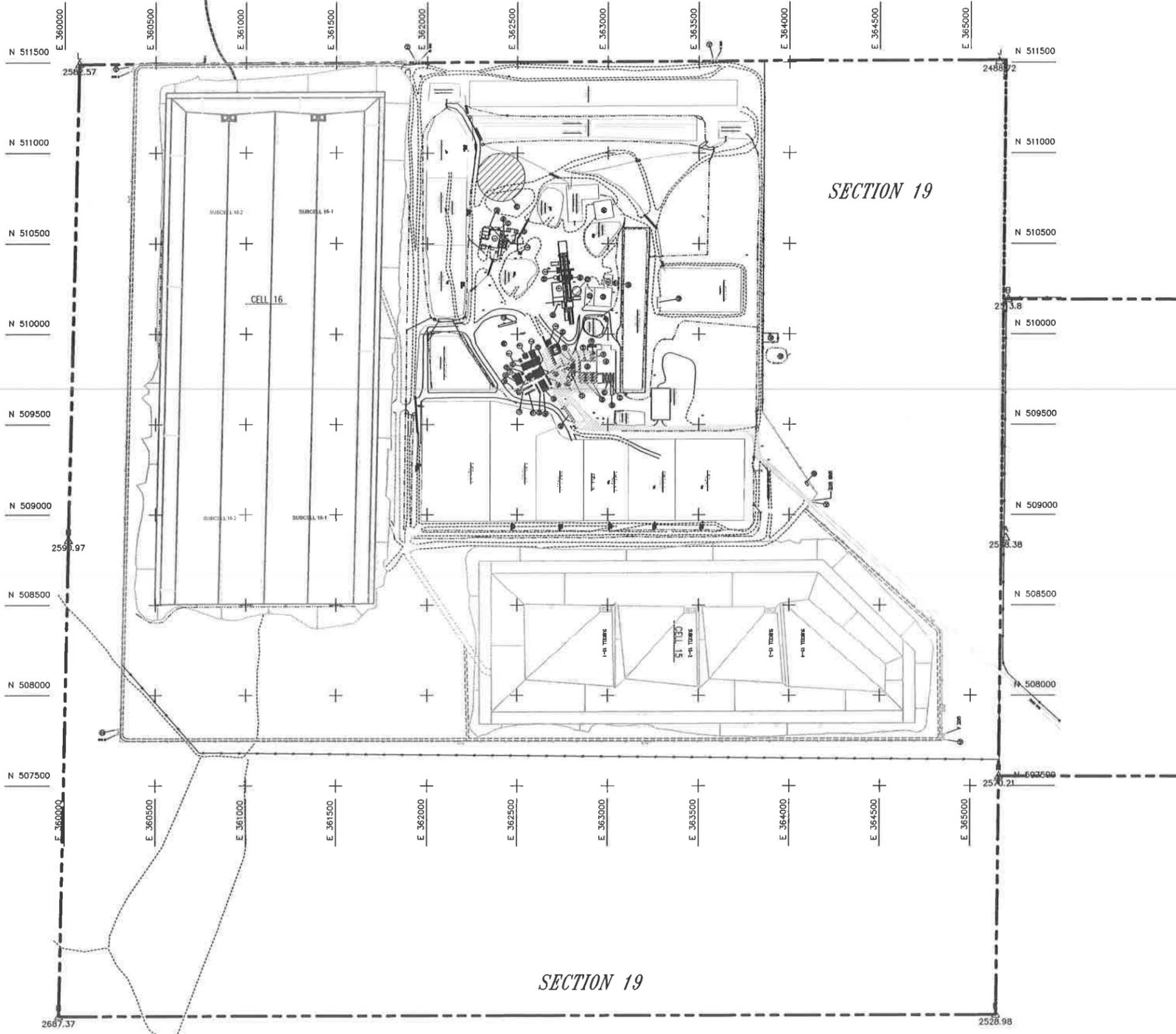
- FACILITY KEY AND PROCESS CODES**
- 1 CONCRETE STORAGE PAD 4 (D80)
  - 2 CONCRETE/PAVING BUILDING
  - 3 BIOMEDIATION FACILITY OFFICE
  - 4 BIOMEDIATION FACILITY OFFICE
  - 5 PAVING PRODUCTION BUILDING
  - 6 WASTE WATER FACILITY
  - 7 FENCE LINE
  - 8 FIELD SERVICE BUILDING
  - 9 STORAGE BUILDING
  - 10 BIOMEDIATION BUILDING
  - 11 BIOMEDIATION BUILDING
  - 12 LAB OFFICE
  - 13 BIOMEDIATION OFFICE/AM
  - 14 PAVING OFFICE
  - 15 PAVING STORAGE/PAVING SYSTEM
  - 16 CONCRETE STORAGE PAD (D80)
  - 17 PAVING STORAGE/PAVING SYSTEM
  - 18 CONCRETE STORAGE PAD (D80)
  - 19 BIOMEDIATION BUILDING
  - 20 BIOMEDIATION BUILDING
  - 21 BIOMEDIATION BUILDING
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  - 100 BIOMEDIATION BUILDING



F	1/14	PART B PERMIT RENEWAL	
E	3/14	CELL 16	
D	5/14	CELL 15 MODIFICATIONS	
C	11/06	NOVEMBER 2, 2006 PERMIT MOD	
B		USED REPA PERMIT	
A		DATED NOVEMBER 12, 2004	
		ISSUED FOR PART B PERMIT RENEWAL APPLICATION	
REV.	BY	DATE	DESCRIPTION
SITE # GRAND VIEW, IDAHO US EPA ID NO. ID0 073 114 804			
TITLE: FACILITY TYPICAL TRAFFIC PLAN INTERIM CONDITIONS			
DESIGNER	DATE	FILE NO.	PRINTED
BY	DATE	DATE	NO.
APPROVED	DATE	DATE	NO.
PRM-108			F







LEGEND

- 5/8" BIR PIN W/ ALUMINUM CAP
- POWER POLE
- FENCE LINE
- PROPERTY BOUNDARY
- UNIMPROVED ROAD
- PAVED ROAD
- ROSA UNIT BOUNDARY
- CLUBWAY
- DRAINAGE
- CANVEX PIPE
- FOOD WASTE TRANSPORT PIPE
- FACILITY KEY NUMBER
- LEACHATE PIPE 12" SLEEVE
- SAMPLE GRID LOCATION

FACILITY KEY

- 1 CONTAINER STORAGE PAD 4
- 2 COMPRESSOR/ACC. BUILDING
- 3 STABILIZATION FACILITY OFFICE
- 4 STABILIZATION FACILITY
- 5 PDS PROCESSING BUILDING
- 6 VEHICLE WASH FACILITY
- 7 PROCESSING
- 8 FIELD TECH/APP. BUILDING
- 9 STORAGE BUILDING
- 10 MAINTENANCE SHOP
- 11 DECONTAMINATION BUILDING
- 12 LAB OFFICES
- 13 RECEIVING OFFICE/LAB
- 14 PAD 4 OFFICE
- 15 PAUL STORAGE TANKS/HEATING STATION
- 16 COMMANDMENT BUILDING
- 17 FLAMMABLE HOUSE/PAVED STORAGE TANKS
- 18 COMPRESSED GAS STORAGE AREA
- 19 ADMINISTRATION BUILDING
- 20 ADMINISTRATION/ALUMINUM ROOM
- 21 ADMINISTRATION BUILDING
- 22 RECEIVING STORAGE BUILDING
- 23 RECEIVING STORAGE
- 24 "UNDESIRABLE"
- 25 SECURITY BUILDING
- 26 PROXIMATE TANK
- 27 SHAPING PLATFORM
- 28 STAGING AREA
- 29 TRUCK SCALE
- 30 FLAG POLE
- 31 BEARER STATION
- 32 DIESEL & PDS STORAGE TANK COMPARTMENT
- 33 UNDERGROUND CLEAN WATER TANK
- 34 EVACUATION GOES
- 35 PDS STORAGE TANKS-1 LINES
- 36 CONTAINER STORAGE PAD 5
- 37 PAD 6-ROW/PCS STORAGE BUILDING APPROX
- 38 "UNDESIRABLE"
- 39 STABILIZATION BUILDING
- 40 O&G HOUSE
- 41 HEPA FILTER HOUSE AND FAN
- 42 TRUCK SCALE
- 43 CONTAINER STORAGE PAD 7
- 44 COMMANDMENT BUILDING TRUCK UNLOADING APPROX 1, 2 AND 3
- 45 COMMANDMENT BUILDING TRUCK UNLOADING PMP
- 46 STABILIZATION BUILDING TRUCK UNLOADING APPROX 1 AND 2
- 47 PROCESS PLANT PAD
- 48 LEACHATE TREATMENT SYSTEM
- 49 STABILIZATION FACILITY ACIDIC SLEETS
- 50 STABILIZATION BUILDING ACIDIC SLEETS
- 51 EMPOWERMENT POND LOADING/UNLOADING AREA
- 52 OFFICE TRAILER SANITARY TANK
- 53 LAB WASTE HOLDING TANK
- 54 CONTROL HOUSE
- 55 ET CAP TEST PAD

GENERAL NOTES:

1. EXISTING SITE TOPOGRAPHY, PHYSICAL FEATURES AND DELINEATIONS OBTAINED FROM AERIAL PHOTOGRAPHY AND SURVEYED DATUM PROVIDED TO ENVIRONMENTAL TECHNOLOGIES BY J.A. HOWARD ENGINEERING-SURVEYING, L.P.C.-A FULL RANGE SURVEY, DAVIS KEYWAY, DATE OF ORIGINAL SURVEY - NOVEMBER 4, 1988.
2. ADDITIONALLY THE FOLLOWING AREAS OF THE SITE HAVE BEEN UPDATED AND INCORPORATED INTO THE EXISTING SITE PLAN AS FOLLOWS:
  - A. AN APPROXIMATE 1,000 FEET TO THE NORTH OF SECTION 19 HAS BEEN SURVEYED AND INCORPORATED INTO THE EXISTING TOPOGRAPHY SURVEY BY J.A. HOWARD DATED FEBRUARY 20, 1998.
  - B. STABILIZATION AND COMMANDMENT BUILDING UPDATED AS OF JANUARY 14, 1987, SURVEY BY J.A. HOWARD, DESIGN CORRELAS BY ENVIRONMENTAL TECHNOLOGIES.
  - C. PAD 4 PROCESS PLANT AREA UPDATED AS OF APRIL 15, 1998, SURVEY BY J.A. HOWARD.
  - D. LEACHATE FENCE MARK AND SOIL STOCKPILE SURVEY UPDATED AS OF FEBRUARY 15, 1998, SURVEY BY J.A. HOWARD.
  - E. THE CURRENT TOP OF WASTE ELEVATIONS FOR CELL 5 AS OF JANUARY 2, 1994, SURVEY BY J.A. HOWARD.
  - F. THE CURRENT TOP OF WASTE ELEVATIONS FOR CELL 14 AS OF JANUARY 04, 2001, SURVEY BY J.A. HOWARD.
  - G. TOPOGRAPHY OF TRENCHES 10 AND 11 UPDATED AS OF SEPTEMBER 12, 2000, SURVEY BY J.A. HOWARD.
  - H. UPDATE OF CONTAINER STORAGE AREA NO. 1 TOPOGRAPHY AS OF JUNE 18, 1998, SURVEY BY J.A. HOWARD.
  - I. BORROW AREA TOPOGRAPHY UPDATED AS OF DECEMBER 12, 2000, SURVEY BY J.A. HOWARD.
  - J. BEST AVAILABLE ROAD TOPOGRAPHY UPDATED AS OF DECEMBER 10, 2000, SURVEY BY J.A. HOWARD.
  - K. ET CAP TEST PAD TOPOGRAPHY UPDATED AS OF NOVEMBER 04, 2004, SURVEY BY J.A. HOWARD.

F	NOV 27/06	PART B PERMIT RENEWAL
E	NOV 27/06	CELL 16
D	NOV 27/06	CELL 15 MODIFICATIONS
C	NOV 27/06	NOV. 2 2006 PERMIT MOD
B	NOV 27/06	USGS ROSA PERMIT DATED NOVEMBER 12, 2004
A	NOV 27/06	ISSUED FOR PART B PERMIT RENEWAL APPLICATION
REV.	BY DATE	DESCRIPTION

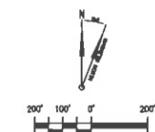
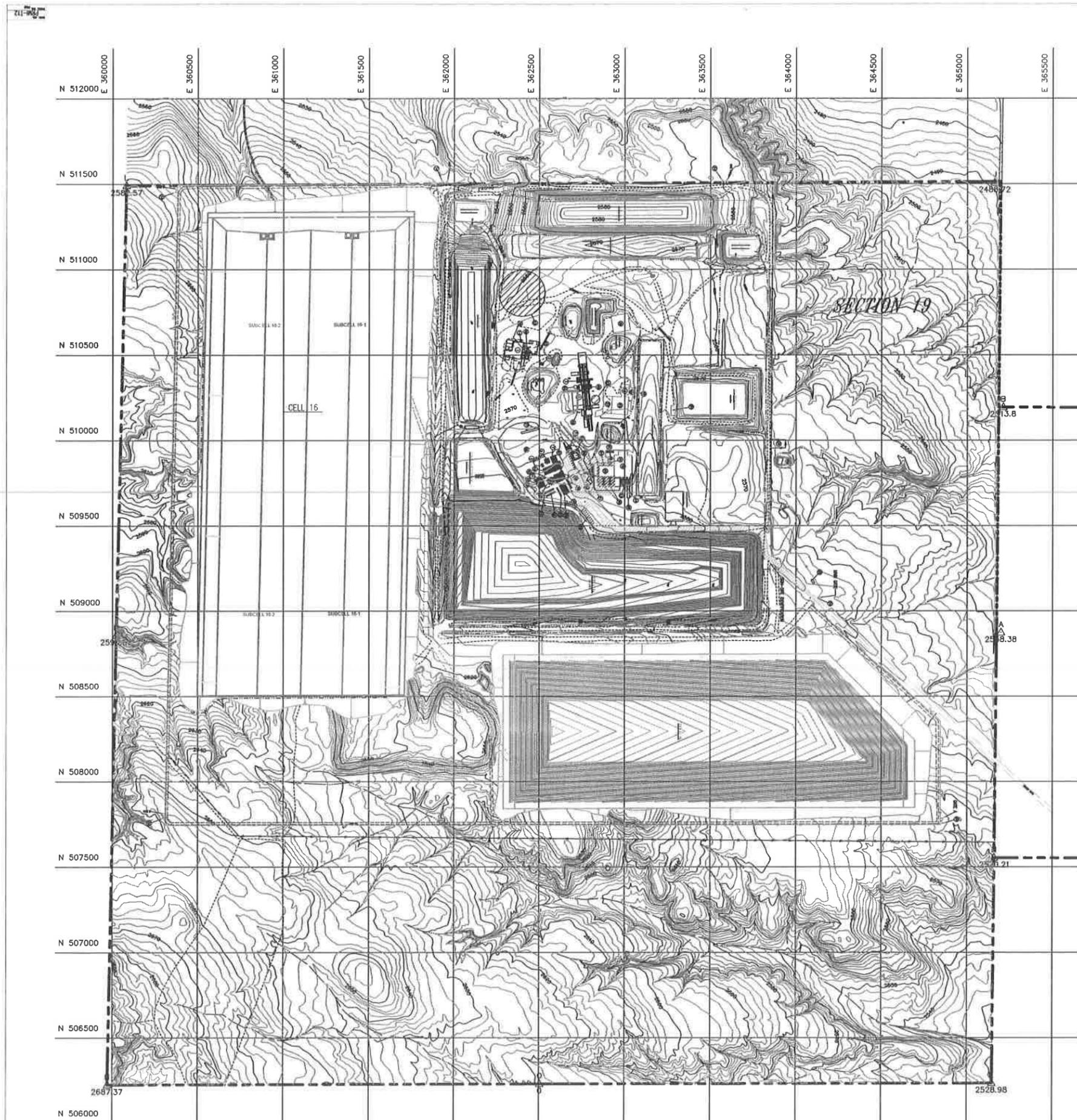


SITE B  
GRAND VIEW, IDAHO  
US EPA ID NO. ID0 073 114 654

TITLE:  
FACILITY  
TYPICAL SOIL SAMPLING PLAN

DESIGN BY:	DATE:	SCALE:	FILE CODE:	REV. NO.:
MR. J. HOWARD	2/27/06	1"=200'	PRM1-T11	F
CHECKED BY:	DATE:	ENGINEER:	DATE:	
APPROVED BY:	DATE:	PROJECT NO.:		

SECTION 19



LEGEND

- 3/4" DIA. PIN W/ ALUMINUM CAP
- POWER POLE
- FENCE LINE
- PROPERTY BOUNDARY
- UNPAVED ROAD
- PAVED ROAD
- EXISTING TOPOGRAPHY
- RETA UNIT BOUNDARY
- CULVERT
- DRAINAGE
- CORNER PIPE
- POND W/EX TRANSFER PIPE
- FACILITY KEY NUMBER
- LEACHATE PIPE 8"/12"LC

FACILITY KEY

- 1 CONTAINER STORAGE POND 4
- 2 COMPRESSOR/AIR BUILDING
- 3 SANITIZATION FACILITY OFFICE
- 4 SANITIZATION FACILITY
- 5 PCB PROCESSING BUILDING
- 6 VEHICLE WASH FACILITY
- 7 TRENCHES
- 8 FIELD TECH/PIPE STORAGE
- 9 STORAGE BUILDING
- 10 MAINTENANCE SHOP
- 11 DECONTAMINATION BUILDING
- 12 LAB OFFICES
- 13 RECEIVING OFFICE/LAB
- 14 POND 4 OFFICE
- 15 FUEL STORAGE TANKS/FUELING STATION
- 16 CONTAINER BUILDING
- 17 PUMP HOUSE/WATER STORAGE TANKS
- 18 COMPRESSED GAS STORAGE AREA
- 19 ADMINISTRATION BUILDING
- 20 ADMINISTRATION ALIQUOT ROOM
- 21 ADMINISTRATION BUILDING
- 22 RECORDS STORAGE BUILDING
- 23 HEADQUARTERS
- 24 "HANGAR"
- 25 SECURITY BUILDING
- 26 PROPANE TANK
- 27 SHIPBOARD PLATFORM
- 28 STAGING AREA
- 29 TRUCK SCALE
- 30 FLAG POLE
- 31 BEACHER STATION
- 32 DIESEL & POND STORAGE TANK CONTAINMENT
- 33 UNDERGROUND CLEAN WASH TANK
- 34 EXHAUSTION GRIDS
- 35 PCB STORAGE TANKS-1 UNITS
- 36 CONTAINER STORAGE POND 5
- 37 POND 6-ACRYL/PCB STORAGE BUILDING APPROX
- 38 "HANGAR"
- 39 SANITIZATION BUILDING
- 40 BKG HOUSE
- 41 HEPA FILTER HOUSE AND TUN
- 42 DIRT TRUCK SCALE
- 43 CONTAINER STORAGE POND 7
- 44 CONTAINER BUILDING TRUCK UNLOADING APPROX 1,2 AND 3
- 45 CONTAINER BUILDING TRUCK UNLOADING PUMP
- 46 SANITIZATION BUILDING TRUCK UNLOADING APPROX 1 AND 2
- 47 PROCESS PLANT POND
- 48 LEACHATE TREATMENT SYSTEM
- 49 SANITIZATION FACILITY ADDITIVE SILOS
- 50 SANITIZATION BUILDING ADDITIVE SILOS
- 51 EMPLOYER POND LEACHATE/HALODING AREA
- 52 OFFICE TRAILER SANITARY TANK
- 53 LAB WASTE HOLDING TANK
- 54 CONTROL HOUSE
- 55 ET OP TEST POND

GENERAL NOTES:

1. EXISTING SITE TOPOGRAPHY, PHYSICAL FEATURES AND DIMENSIONS OBTAINED FROM AERIAL PHOTOGRAPHY AND SURVEYED DATA PROVIDED TO ENVIRONMENTAL TECHNOLOGIES BY J.J. HOWARD ENGINEERING-SURVEYING LLP-A FULL RANGE, SOLE, DATED SURVEY DATE OF ORIGINAL SURVEY - NOVEMBER 6, 1986.
2. ADDITIONALLY THE FOLLOWING AREAS OF THE SITE HAVE BEEN UPDATED AND INCORPORATED INTO THE EXISTING SITE PLAN AS FOLLOWS:
  - A. AN ADDITIONAL 1,000 FEET TO THE NORTH OF SECTION 19 HAS BEEN SURVEYED AND INCORPORATED INTO THE EXISTING TOPOGRAPHY. SURVEY BY J.J. HOWARD DATED FEBRUARY 20, 1998.
  - B. SANITIZATION AND CONTAINER BUILDING UPDATED AS OF JANUARY 14, 1997. SURVEY BY J.J. HOWARD DESIGN CONTOURS BY: ENVIRONMENTAL TECHNOLOGIES.
  - C. POND 4 PROCESS PLANT AREA UPDATED AS OF APRIL 15, 1998. SURVEY BY: J.J. HOWARD.
  - D. LEACHATE FORCE MAIN AND SOIL STEADY STATE SURVEY UPDATED AS OF FEBRUARY 15, 1998. SURVEY BY: J.J. HOWARD.
  - E. THE CURRENT TOP OF WHITE ELEVATIONS FOR CELL 14 AS OF JANUARY 2, 1998. SURVEY BY: J.J. HOWARD.
  - F. THE CURRENT TOP OF WHITE ELEVATIONS FOR CELL 14 AS OF JANUARY 04, 2001. SURVEY BY: J.J. HOWARD.
  - G. TOPOGRAPHY OF TRENCHES 10 AND 11 UPDATED AS OF SEPTEMBER 12, 2000. SURVEY BY: J.J. HOWARD.
  - H. UPDATE OF CONTAINER STORAGE AREA NO. 1 TOPOGRAPHY AS OF JUNE 18, 1998. SURVEY BY: J.J. HOWARD.
  - I. BORROW AREA TOPOGRAPHY UPDATED AS OF DECEMBER 12, 2000. SURVEY BY: J.J. HOWARD.
  - J. WEST HALL ROAD TOPOGRAPHY UPDATED AS OF DECEMBER 05, 2000. SURVEY BY: J.J. HOWARD.
  - K. ET OP TEST POND TOPOGRAPHY UPDATED AS OF NOVEMBER 04, 2000. SURVEY BY: J.J. HOWARD.

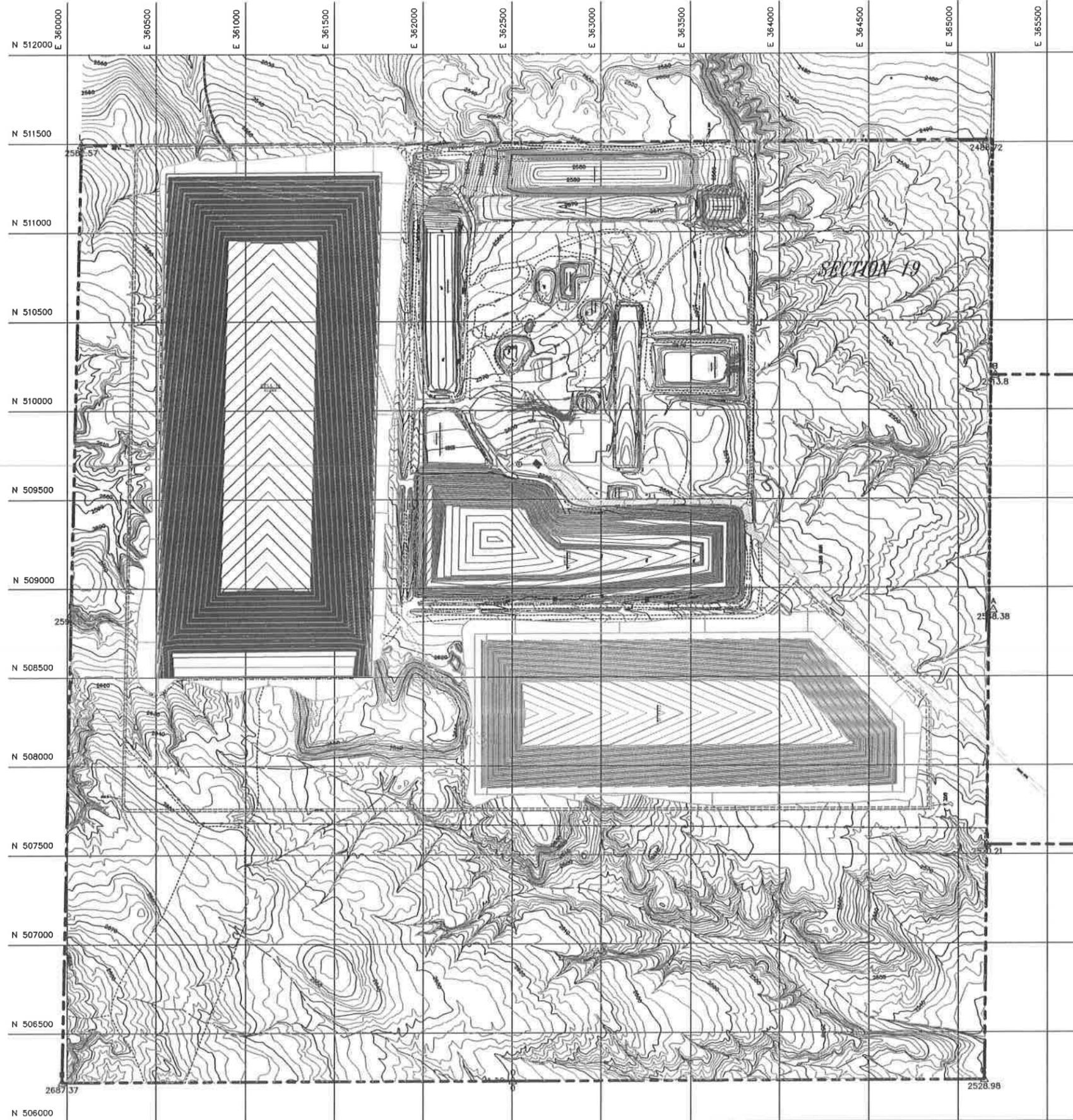
REV	DATE	DESCRIPTION
F	12/18	PART B PERMIT RENEWAL
E	12/18	CELL 16
D	12/18	CELL 15 MODIFICATIONS
C	12/18	NOV. 2 2006 PERMIT MOD
B	12/18	USED PCB PERMIT DATED NOVEMBER 12, 2004
A	12/18	ISSUED FOR PART B PERMIT RENEWAL APPLICATION



SITE B  
GRAND VIEW, IDAHO  
US EPA ID NO. 000 073 114 654

TITLE:		FACILITY TOPOGRAPHIC PLAN INTERIM CONDITIONS	
DESIGN BY:	DATE:	SCALE:	FILE CODE:
2/20/98		1"=200'	
CHECKED BY:	DATE:	ENGINEER:	DATE:
PROJECT NO.:	PROJECT SHEET:	PROJECT NO.:	PROJECT SHEET:

111-102



**LEGEND**

- ◆ 3/4" IRON PIN W/ ALUMINUM CAP
- POWER POLE
- FACILITY KEY NUMBER
- x—x— FENCE LINE
- — — — — PROPERTY BOUNDARY
- — — — — UNPAVED ROAD
- — — — — PAVED ROAD
- — — — — EXISTING TOPOGRAPHY
- — — — — NEW LIMIT BOUNDARY
- — — — — DRAINAGE

**FACILITY KEY**

- 1 ADMINSTRATIVE/LUNCH ROOM

**GENERAL NOTES:**

1. EXISTING SITE TOPOGRAPHY, PHYSICAL FEATURES AND ELEVATIONS OBTAINED FROM AERIAL PHOTOGRAPHY AND SURVEY DATA PROVIDED TO ENGINEERING TECHNICIANS BY J.J. HOWARD ENGINEERING-SURVEYING, 1879-A HILL ROAD, BOISE, IDAHO 83702. DATE OF ORIGINAL SURVEY - NOVEMBER 4, 1980.
2. ADDITIONALLY THE FOLLOWING AREAS OF THE SITE HAVE BEEN UPDATED AND INCORPORATED INTO THE EXISTING SITE PLAN AS FOLLOWS:
  - A. AN APPROXIMATE 1,000 FEET TO THE NORTH OF SECTION 19 HAS BEEN SURVEYED AND INCORPORATED INTO THE EXISTING TOPOGRAPHY. SURVEY BY: J.J. HOWARD DATED FEBRUARY 26, 1998.
  - B. SUBSTATION AND CONTAINER BUILDING UPDATED AS OF JANUARY 14, 1987. SURVEY BY: J.J. HOWARD. DESIGN CONTOURS BY: ENGINEERING TECHNICIANS.
  - C. PNO 4 PROCESS PLANT AREA UPDATED AS OF APRIL 13, 1988. SURVEY BY: J.J. HOWARD.
  - D. LEACHATE FENCE MARK AND SKEL STIPPLE SURVEY UPDATED AS OF FEBRUARY 15, 1998. SURVEY BY: J.J. HOWARD.
  - E. THE CURRENT TOP OF WASTE ELEVATIONS FOR CELL 9 AS OF JANUARY 2, 1994. SURVEY BY: J.J. HOWARD.
  - F. THE CURRENT TOP OF WASTE ELEVATIONS FOR CELL 14 AS OF JANUARY 04, 2001. SURVEY BY: J.J. HOWARD.
  - G. TOPOGRAPHY OF TRENCHES 10 AND 11 UPDATED AS OF SEPTEMBER 12, 2000. SURVEY BY: J.J. HOWARD.
  - H. UPTAKE OF CONTAINER STORAGE AREA NO. 1 TOPOGRAPHY AS OF JUNE 10, 1988. SURVEY BY: J.J. HOWARD.
  - I. BURNER AREA TOPOGRAPHY UPDATED AS OF DECEMBER 12, 2000. SURVEY BY: J.J. HOWARD.
  - J. WEST HALL ROAD TOPOGRAPHY UPDATED AS OF DECEMBER 09, 2000. SURVEY BY: J.J. HOWARD.
  - K. ET CAP TEST PNO TOPOGRAPHY UPDATED AS OF NOVEMBER 04, 2000. SURVEY BY: J.J. HOWARD.

F	REV	DATE	DESCRIPTION
E	REV	DATE	DESCRIPTION
D	REV	DATE	DESCRIPTION
C	REV	DATE	DESCRIPTION
B	REV	DATE	DESCRIPTION
A	REV	DATE	DESCRIPTION



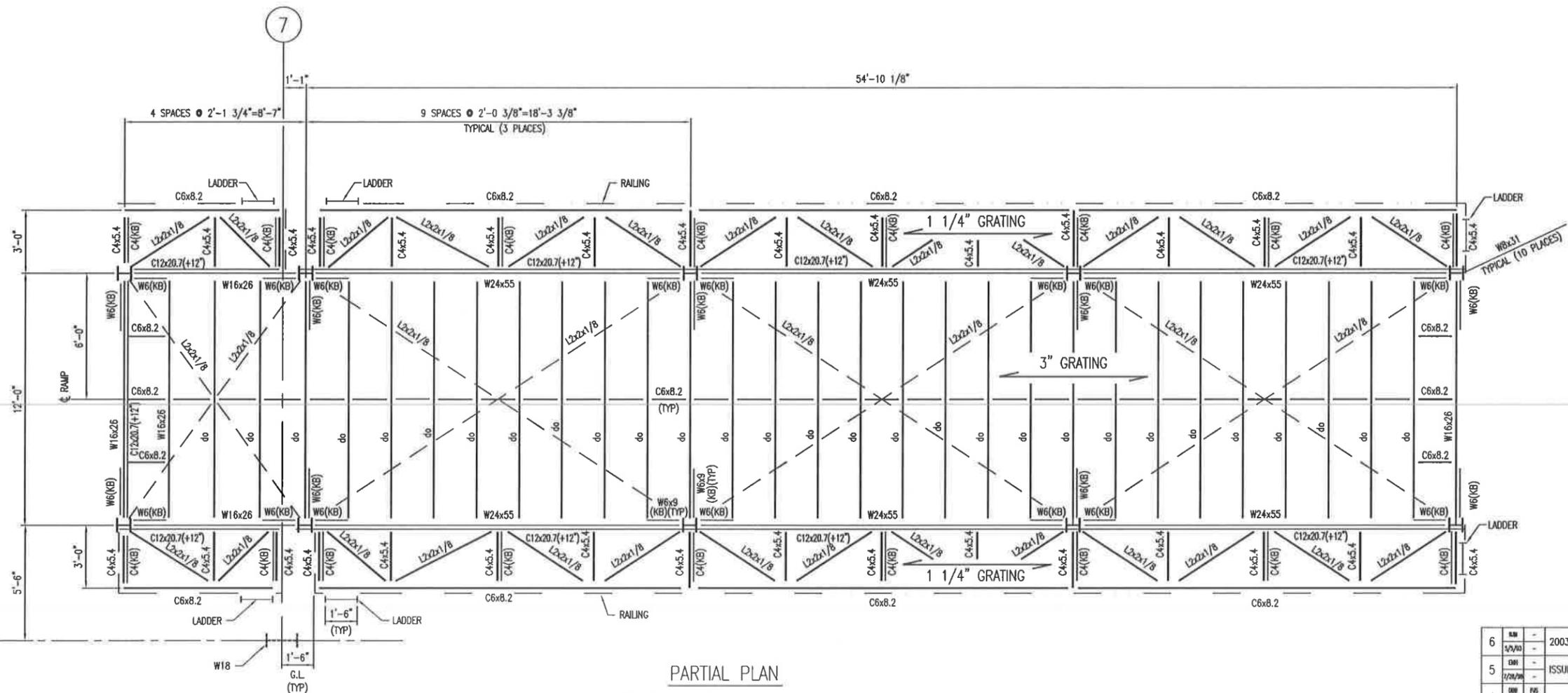
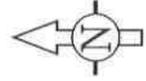
SITE #  
GRAND VIEW, IDAHO  
US EPA ID NO. 000 073 114 854

TITLE:		FACILITY TYPICAL TOPOGRAPHIC PLAN FINAL AT CLOSURE	
DRAWN BY:	DATE:	FILE CODE:	PROJECT:
CHECKED BY:	DATE:	DATE:	PRM-113
APPROVED BY:	DATE:	APPROVED BY:	PRM

May 2014 USEI Permit  
Application Section  
Reference

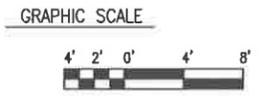
Drawing Number	Drawing Title	Reference
Containment Building (Debris Area)		
773C-S01	Structural Containment Building (Debris Area) Typical Plan for Truck Ramp & Platform	D, I
773C-S02	Structural Containment Building (Debris Area) Typical Truck Platform Plan	D, I
773C-S03	Structural Containment Building (Debris Area) Typical Truck Platform - Sections and Details	D, I
773C-S04	Structural Containment Building (Debris Area) Typical Truck Ramp - Section and Details	D, I
D2020-A02	Architectural Containment Building (Debris Area) Floor Plan	C, D, I
D2020-A03	Architectural Containment Building (Debris Area) Miscellaneous Platform Plan	D, I
D2020-A04	Architectural Containment Building (Debris Area) Roof Plan	D, I
D2020-A05	Architectural Containment Building (Debris Area) Building Elevations - Sheet 1	D, I
D2020-A06	Architectural Containment Building (Debris Area) Building Elevations - Sheet 2	D, I
D2020-A07	Architectural Containment Building (Debris Area) Building Sections	D, I
D2020-C05	Civil - Containment Building (Debris Area) Liner Plan	D, I
D2020-C08	Civil - Containment Building (Debris Area) Trench Sections and Details	D, I
D2020-H01	Containment Building (Debris Area) Air Pollution Control System Section and Schematic	D, I
D2020-H03	Containment Building (Debris Area) Composite Duct System - Plan	D, I
D2020-H04	Air Pollution Control Equipment Containment Building (Debris Area) Mechanical Equipment Plan	D, I
D2020-P01	Process and Instrument Diagram Containment Building Complex (Debris Portion)	General Information
D2020-R02	General Arrangement Containment Building (Debris Area) Floor Plan	D, I
D2020-R05	General Arrangement Containment Building (Debris Area) Typical Details	D, I
D2020-R07	Equipment Arrangement Containment Building Sections	C, D, I
D2020-R08	Equipment Arrangement Containment Building Sections & Details	C, D, I





PARTIAL PLAN  
STEEL FRAMING FOR TRUCK PLATFORM  
TOS EL. 107'-11"

- d. DIAGONAL BRACING TOS WITHIN TRUCK PLATFORM AT BOTTOM OF BEAMS.
- e. WALKWAY TOS EL. AT +12".
- f. BAR GRATING, TRUCK PLATFORM: 3"x1/4" BB @ 2 3/8" C TO C; CROSS BARS @ 2" C TO C.
- g. GRATING FROM TRUCK PLATFORM TO BE SEATED ONTO EMBEDMENT IN ADJOINING RETAINING WALL.
- h. BAR GRATING, WALKWAY: 1 1/4"x3/16" BB @ 1 3/16" C TO C; CROSS BARS @ 4" C TO C.
- i. ALL MEASUREMENTS OF CHANNEL TO BE MADE TO THE OUTSIDE.



REV.	BY	CHK'D	DATE	DESCRIPTION	PROJ. ENGR.	SUPPLY ENGR.	DATE
6			5/2/93	2003 PERMIT RENEWAL			4/1
5			1/24/93	ISSUED FOR B PERMIT RENEWAL APPLICATION			-
4			4/20/92	AS BUILT FOR COA PACKAGE			DL, PLS
3			1/1/90	REVISED DRAWING FOR MAY 1998 SUBMISSION TO IDEQ			DL, PLS
2			1/20/93	ESII PERMIT ISSUE			AC, DL
1			1/24/92	"AS BUILT"			AC, DL
0			12/10/92	ISSUED FOR CONSTRUCTION			AC, DL
A			1/13/90	ISSUED FOR BIDDING			AC, DL

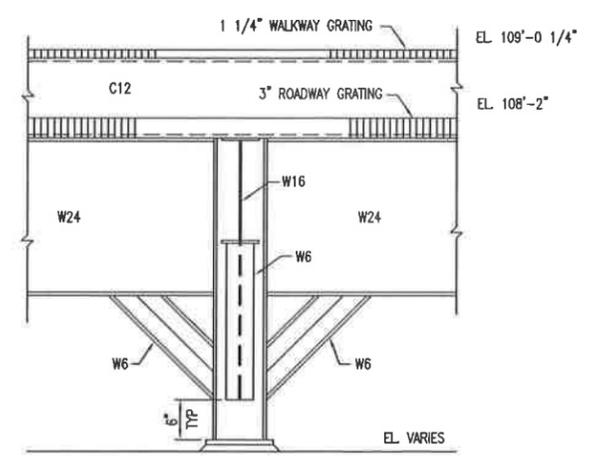
**USEcology Idaho**  
an American Ecology company

SITE B  
GRAND VIEW, IDAHO  
US EPA ID NO. IDD 073 114 654

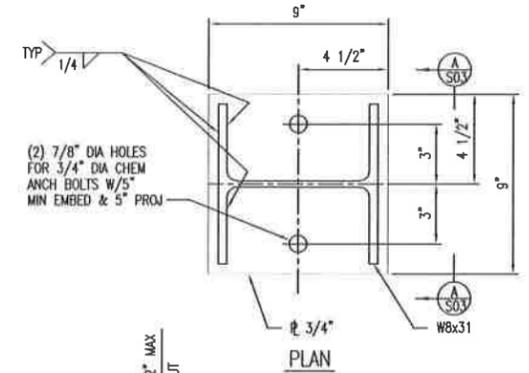
TITLE:  
STRUCTURAL CONTAINMENT BUILDING (DEBRIS AREA)  
TYPICAL TRUCK PLATFORM PLAN

DRAWN BY:	DATE:	SCALE:	FILE CODE:	REV. NO.:
DEB	6/19/96		A2850028	6
CHECKED:	DATE:	ENGINEER:	DATE:	
PROJ. MGR.:	DATE:	APPROVED:	DATE:	PROJ. NO.:

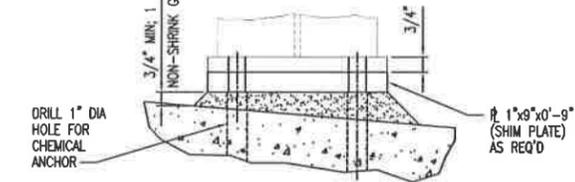
773C-S03  
 DWG. NO.  
 PROJ. NO.



SECTION 1  
 SCALE: 1"=1'-0"

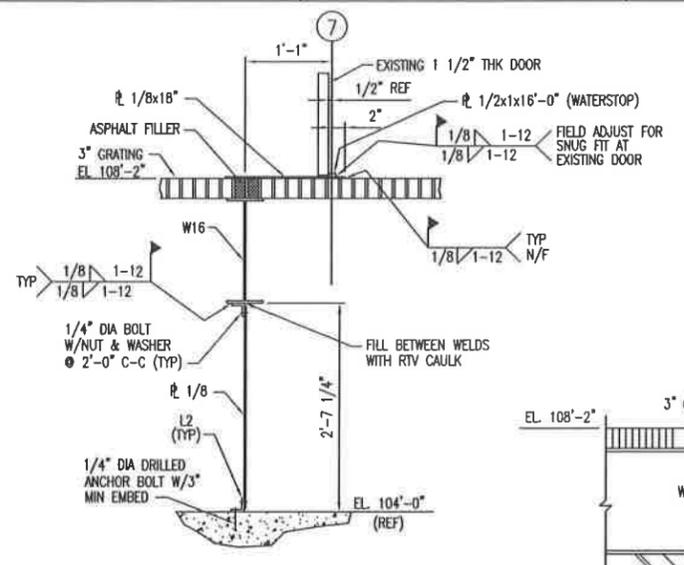


PLAN

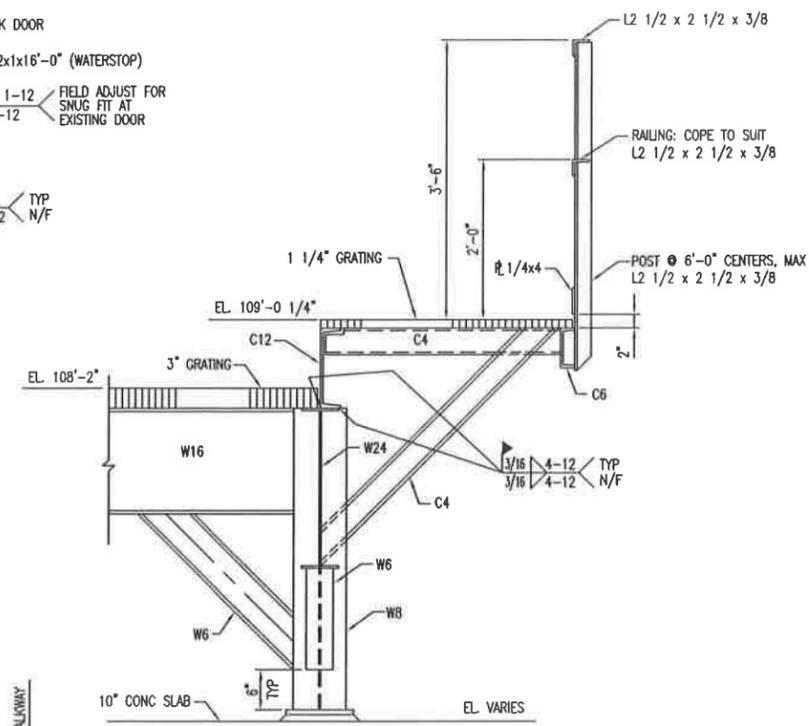


ELEVATION A

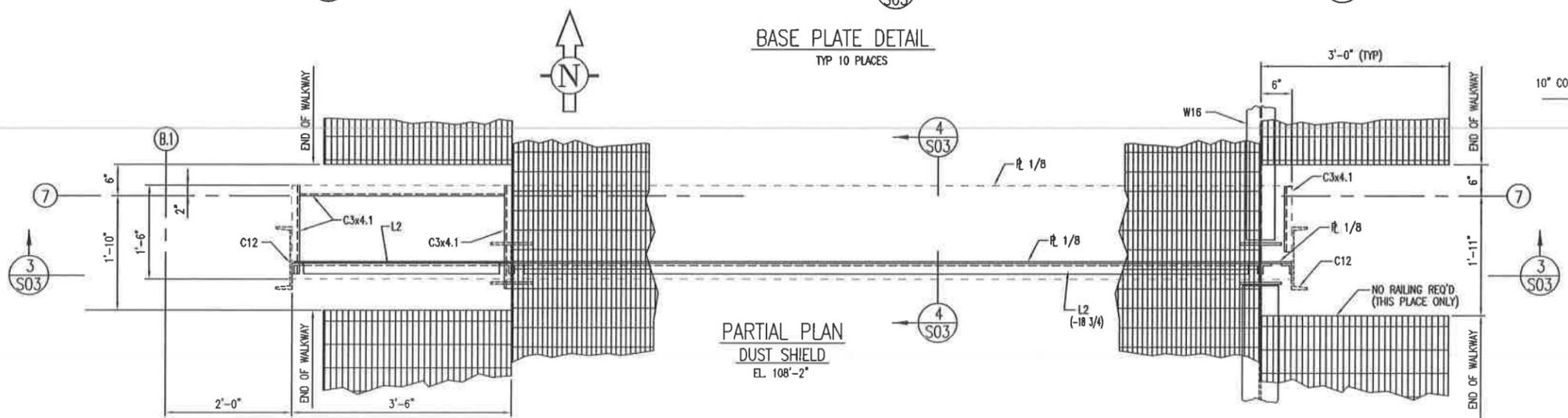
BASE PLATE DETAIL  
 TYP 10 PLACES



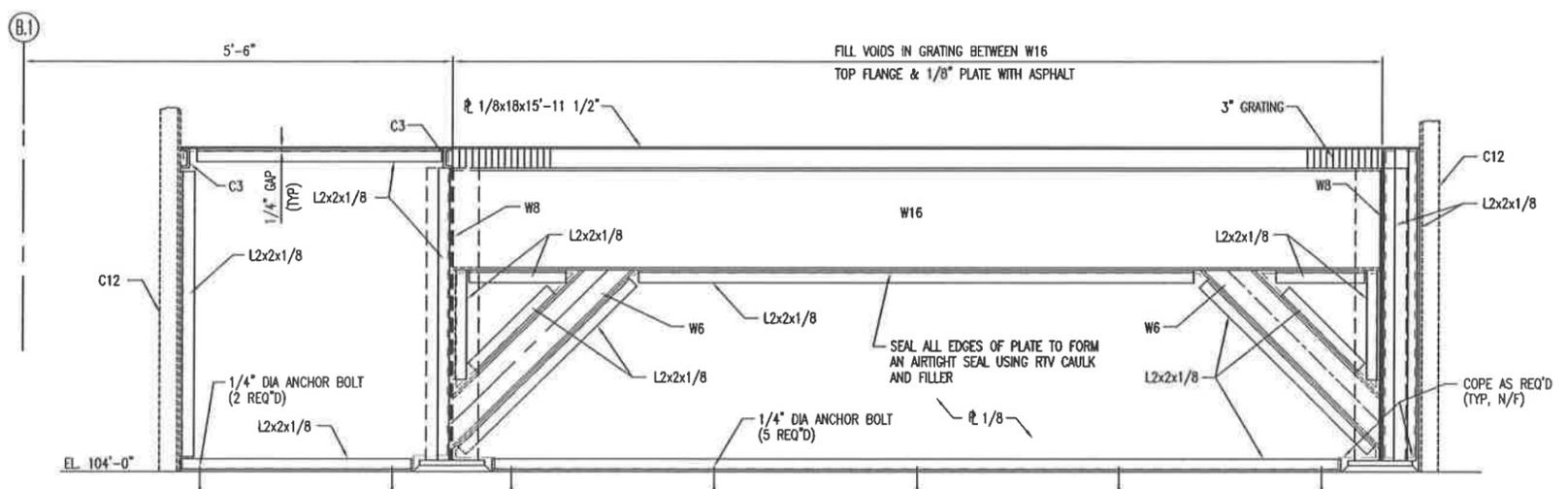
SECTION 4  
 SCALE: 1"=1'-0"



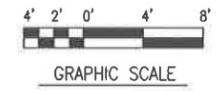
SECTION 2  
 SCALE: 1"=1'-0"



PARTIAL PLAN DUST SHIELD  
 EL. 108'-2"



SECTION 3  
 SCALE: 1"=1'-0"



REV.	BY	CHK'D	DATE	DESCRIPTION	PROJ. MGR.	DATE	ENGR. ENGR.	DATE	DATE
6	MM	-	5/3/03	2003 PERMIT RENEWAL	-	-	-	-	5/3/03
5	MM	-	1/28/03	ISSUED FOR B PERMIT RENEWAL APPLICATION	-	-	-	-	-
4	MM	RS	4/22/02	AS BUILT FOR COA PACKAGE	DL	RS	DL	RS	4/22/02
3	MM	RS	1/1/00	REVISED DRAWING FOR MAY 1998 SUBMISSION TO IDEQ	DL	RS	DL	RS	1/1/00
2	Z	MP	1/20/01	ESII PERMIT ISSUE	AK	DL	AK	DL	1/20/01
1	Z	MP	1/20/01	"AS BUILT"	AK	DL	AK	DL	1/20/01
0	Z	MP	12/10/00	ISSUED FOR CONSTRUCTION	AK	DL	AK	DL	12/10/00
A	MM	MP	11/13/00	ISSUED FOR BIDDING	AK	DL	AK	DL	11/13/00

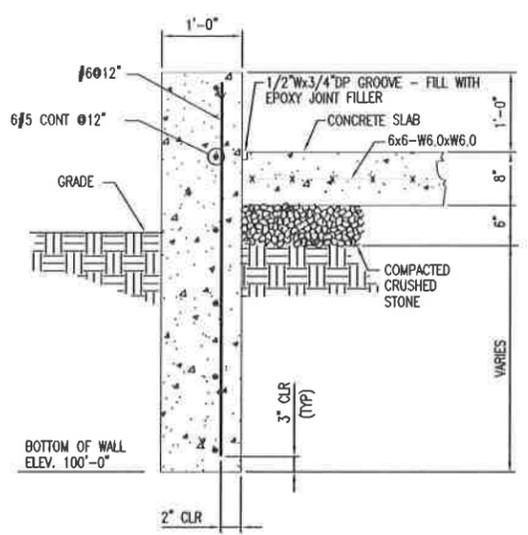
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SITE B  
 GRAND VIEW, IDAHO  
 US EPA ID NO. IDD 073 114 654

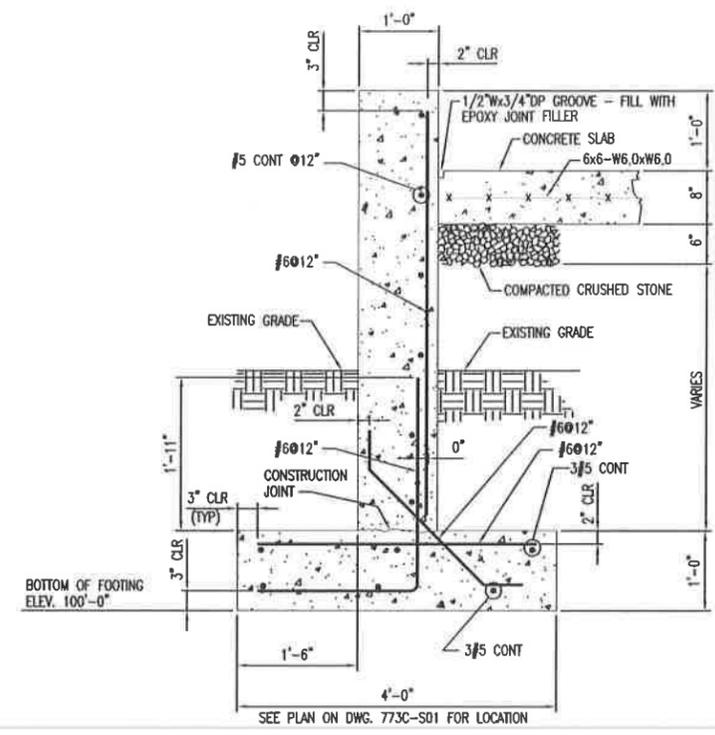
TITLE:  
 STRUCTURAL  
 CONTAINMENT BUILDING (DEBRIS AREA)  
 TYPICAL TRUCK PLATFORM - SECTIONS & DETAILS

DRAWN BY: DEB	DATE: 6/19/96	SCALE:	FILE CODE: A2850036	REV. NO.:
CHECKED:	DATE:	ENGINEER:	DATE:	773C-S03
PROJ. MGR.:	DATE:	APPROVED:	DATE:	6

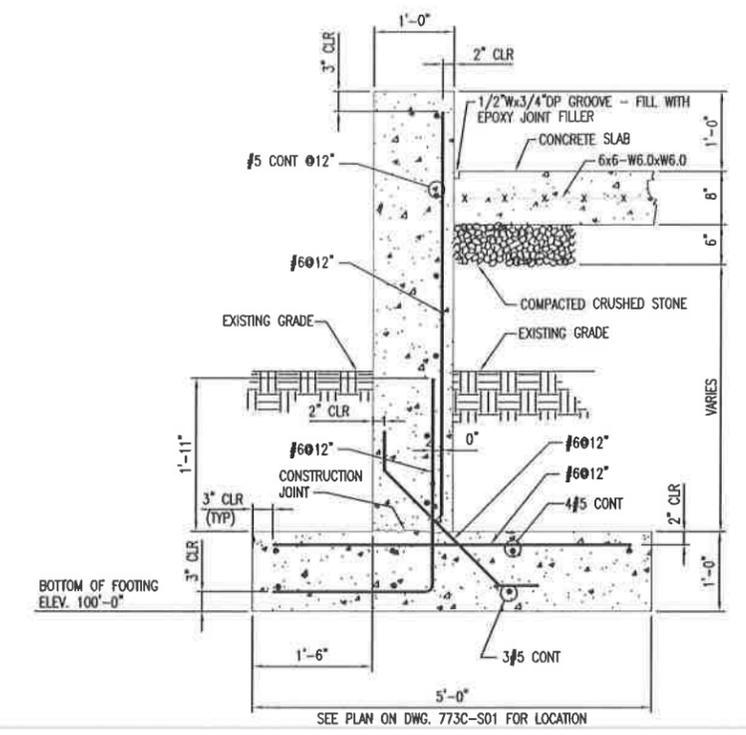
DWG. NO. 773C-S04  
PROJ. NO. 773C-S04



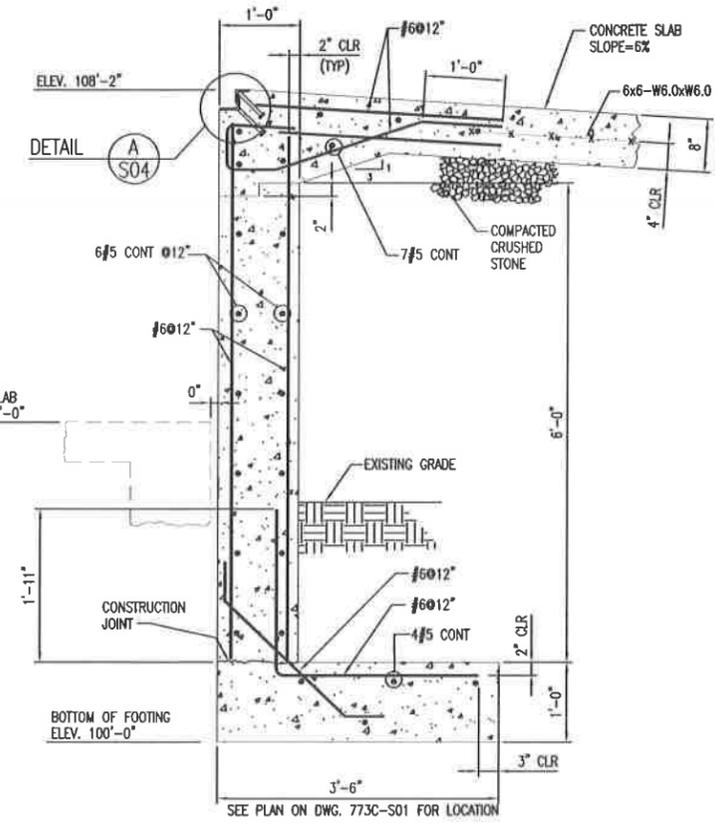
SECTION 1  
SCALE: 1"=1'-0" S01



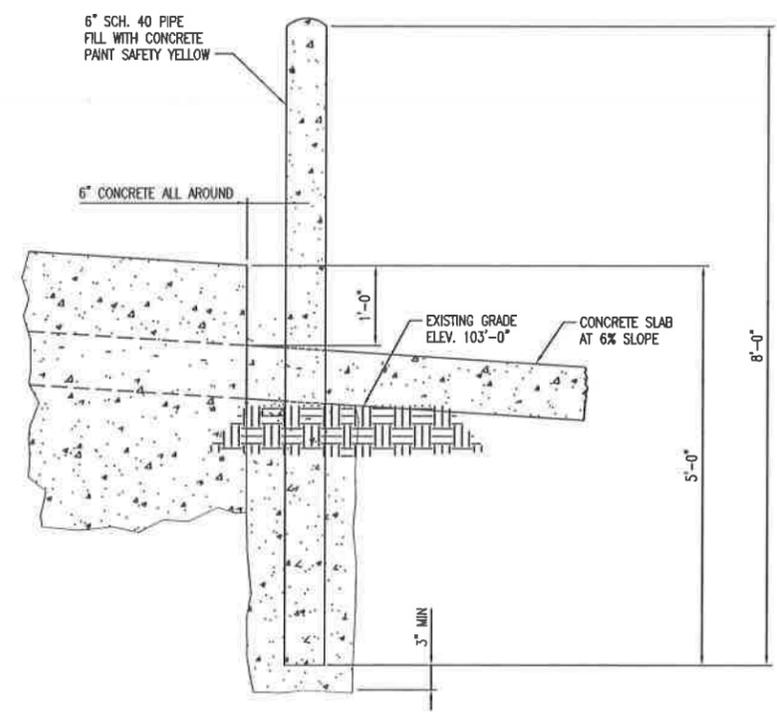
SECTION 2  
SCALE: 1"=1'-0" S01



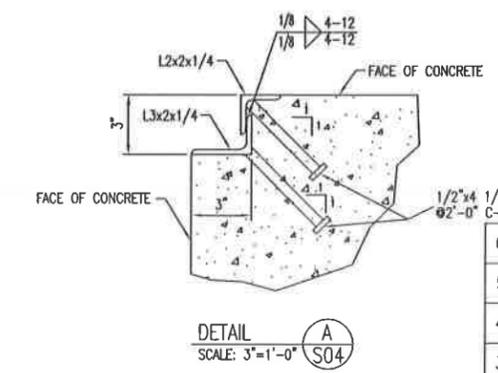
SECTION 3  
SCALE: 1"=1'-0" S01



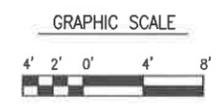
SECTION 4  
SCALE: 1"=1'-0" S01



DETAIL A  
SCALE: 1"=1'-0" S01



DETAIL A  
SCALE: 3"=1'-0" S04



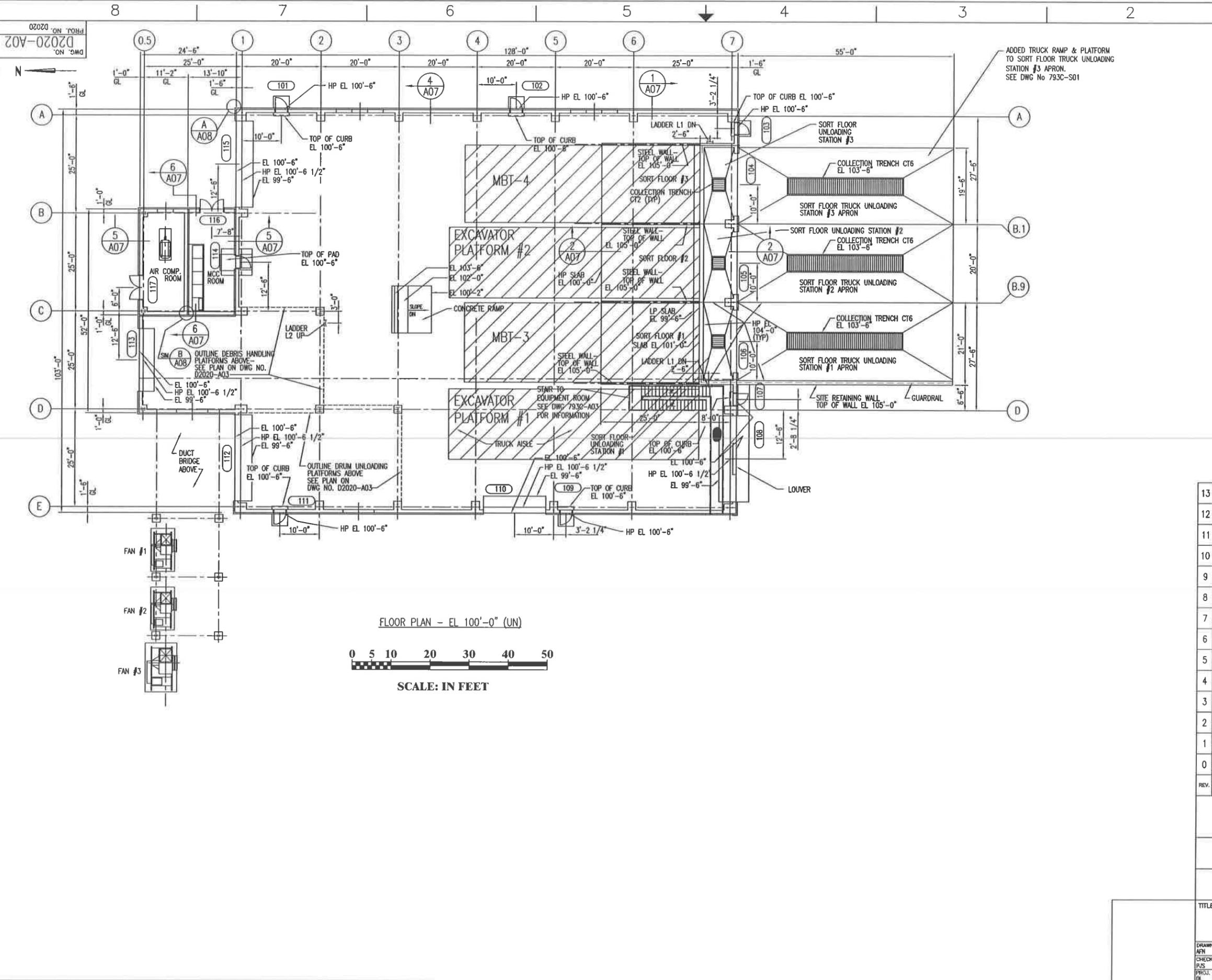
REV.	BY	CHK'D	DATE	DESCRIPTION	PROJ. ENGR.	SUPPLY ENGR.	DATE	DATE
6	DB	-	5/2/03	2003 PERMIT RENEWAL	-	-	-	5/2/03
5	DB	-	1/28/03	ISSUED FOR B PERMIT RENEWAL APPLICATION	-	-	-	-
4	DB	MS	4/22/03	AS BUILT FOR COA PACKAGE	IL	MS	4/22/03	4/22/03
3	DB	MS	1/1/03	REVISED DRAWINGS FOR MAY 1998 SUBMISSION TO IDEO	IL	MS	5/2/03	5/2/03
2	ZE	MP	3/22/02	ESII PERMIT ISSUE	AC	IL	3/22/02	3/22/02
1	ZE	MP	2/21/02	"AS BUILT"	AC	IL	2/21/02	-
0	ZE	MP	2/10/02	ISSUED FOR CONSTRUCTION	AC	IL	2/10/02	2/10/02
A	DB	MP	1/13/02	ISSUED FOR BIDDING	AC	IL	1/13/02	1/13/02

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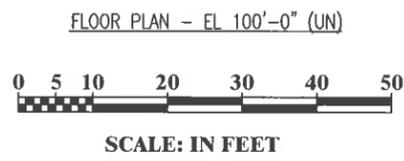
SITE B  
GRAND VIEW, IDAHO  
US EPA ID NO. IDD 073 114 654

TITLE: STRUCTURAL CONTAINMENT BUILDING (DEBRIS AREA) TYPICAL TRUCK RAMP - SECTIONS & DETAILS

DRAWN BY:	DATE:	SCALE:	FILE CODE:	REV. NO.:
DBB	6/19/96		A2850046	6
CHECKED:	DATE:	ENGINEER:	DWG. NO.:	
			773C-S04	
PROJ. MGR.:	DATE:	APPROVED:	DATE:	PROJ. NO.:



REFERENCE DRAWINGS	
DWG NO.	TITLE
A01	GENERAL NOTES & LEGEND
A03	DHB - MISC PLATFORM PLANS
A04	DHB - ROOF PLANS
A05	DHB - BUILDING ELEVATIONS - SHEET 1
A06	DHB - BUILDING ELEVATIONS - SHEET 2
A07	DHB - BUILDING SECTIONS
A08	DHB - SECTIONS & DETAILS - SHEET 1
A09	DHB - SECTIONS & DETAILS - SHEET 2
A10	DOOR, WINDOW & ROOM FINISH SCHEDULE



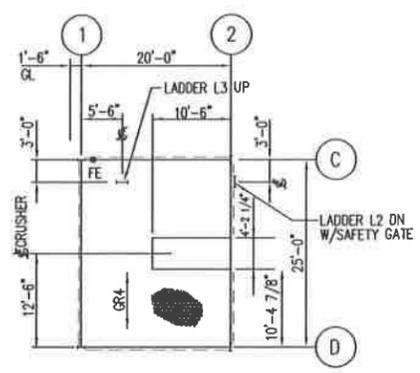
13	NOVEMBER 6, 2006 PERMIT MODIFICATION		
12	2003 PERMIT RENEWAL		
11	ISSUED FOR B PERMIT RENEWAL APPLICATION		
10	AS BUILT FOR COA PACKAGE		
9	REVISED DRAWING FOR MAY 1998 SUBMISSION TO IDEQ		
8	ESII PERMIT ISSUE		
7	REVISED CONTAINMENT CURBS		
6	ISSUED COA		
5	ISSUED FOR CONTAINMENT BUILDING PERMIT		
4	REVISED CURBS		
3	AS BUILT		
2	ADDED CRUSHER SYSTEM RESUBMIT TO IDEQ		
1	ADDED FANS, AIR COMP, MCC & LOUVERS, RELOCATED DOORS 117, 127, & 128		
0	ISSUED FOR CONSTRUCTION		
REV.	BY CHK'D	DESCRIPTION	DATE DATE

**USEcology Idaho**  
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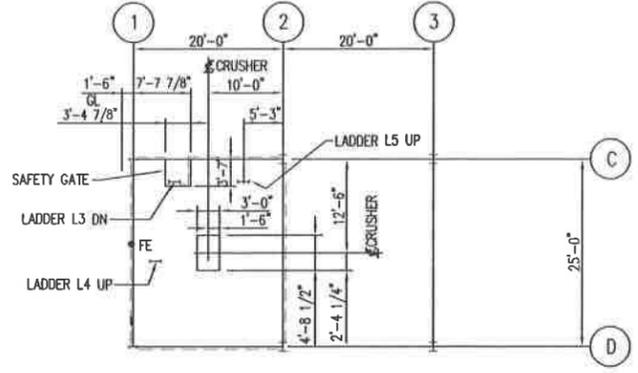
SITE B  
GRAND VIEW, ID  
US EPA ID NO. IDD 073 114 654

TITLE: ARCHITECTURAL CONTAINMENT BUILDING (DEBRIS AREA) FLOOR PLAN			
DRAWN BY: DATE	SCALE: See Bar Scale	FILE CODE: 932A10213	REV. NO.
AFH 7/20/93			
CHECKED: DATE	ENGINEER: DATE	DWG. NO.:	
PJS 12/1/93	PJS 12/1/93	D2020-A02	
PROJ. MGR. DATE	APPROVED: DATE	PROJ. NO.:	
DL 12/1/93		D2020	14

DWG. NO. D2020-A03  
 PROJ. NO. 02020

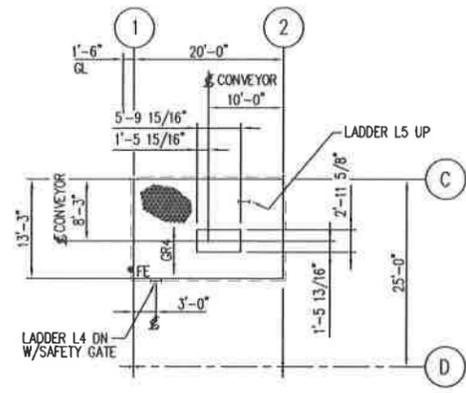


TOS EL 124'-6"  
 a. TOG EL 124'-6 5/8"



TOP OF SLAB EL 134'-0"

DEBRIS HANDLING PLATFORMS  
 SCALE: 3/32"=1'-0"  
 a. ALL HANDRAIL ANGLE TYPE.



TOS EL 144'-0"  
 a. TOG EL 144'-0 5/8"

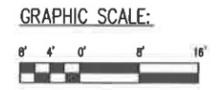
REFERENCE DRAWINGS	
DWG NO.	TITLE
A01	GENERAL NOTES & LEGEND
A02	CONTAINMENT BLDG - FLOOR PLAN
A04	CONTAINMENT BLDG - ROOF PLANS
A05	CONTAINMENT BLDG - BUILDING ELEVATIONS - SHEET 1
A06	CONTAINMENT BLDG - BUILDING ELEVATIONS - SHEET 2
A07	CONTAINMENT BLDG - BUILDING SECTIONS
A08	CONTAINMENT BLDG - SECTIONS & DETAILS - SHEET 1
A09	CONTAINMENT BLDG - SECTIONS & DETAILS - SHEET 2
A10	DOOR, WINDOW & ROOM FINISH SCHEDULE

REV.	BY	CHK'D	DATE	DESCRIPTION	PROJ. ENGR.	SUPV. ENGR.
4	BM	-	1/23/03	2003 PERMIT RENEWAL	-	BM
3	BM	-	1/28/03	ISSUED FOR B PERMIT RENEWAL APPLICATION	-	BM
2	BM	-	-	AS BUILT; DELETED DRUM PLATFORM	-	BM
1	BM	RS	12/21/02	REVISED DIMENSIONS @ EL 124'-6"; 134'-0" & 144'-0"; ADDED EL 132'-0"	-	RS
0	LS	RS	12/17/02	ISSUED FOR CONSTRUCTION	DL	RS
A	BM	RS	8/3/03	ISSUED FOR BIDDING	DL	RS

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SITE B  
 GRAND VIEW, IDAHO  
 US EPA ID NO. IDD 073 114 654

TITLE: ARCHITECTURAL  
 CONTAINMENT BUILDING (DEBRIS AREA)  
 MISCELLANEOUS PLATFORM PLANS

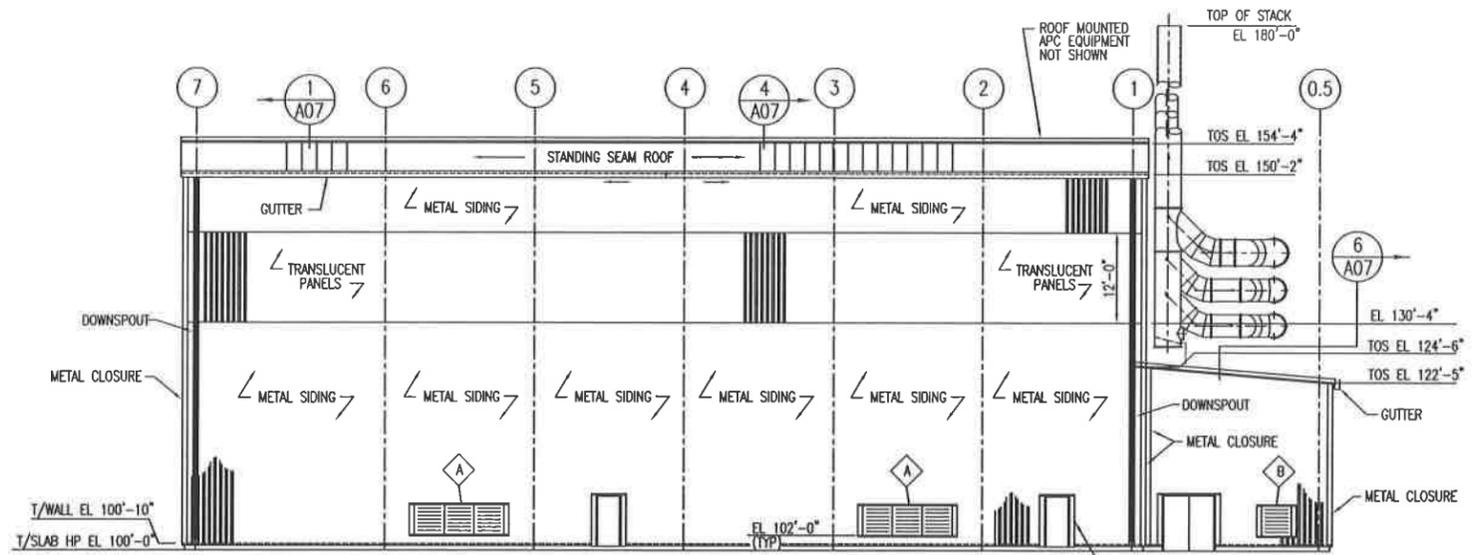


DRWN BY:	DATE:	SCALE:	FILE CODE:	REV. NO.:
DRB	8/27/93		932A1034	4
CHECKED:	DATE:	ENGINEER:	DATE:	DWG. NO.:
PJS	12/1/93	PJS	12/1/93	D2020-A03
PROJ. MGR.:	DATE:	APPROVED:	DATE:	PROJ. NO.:
DL	12/1/93			02020

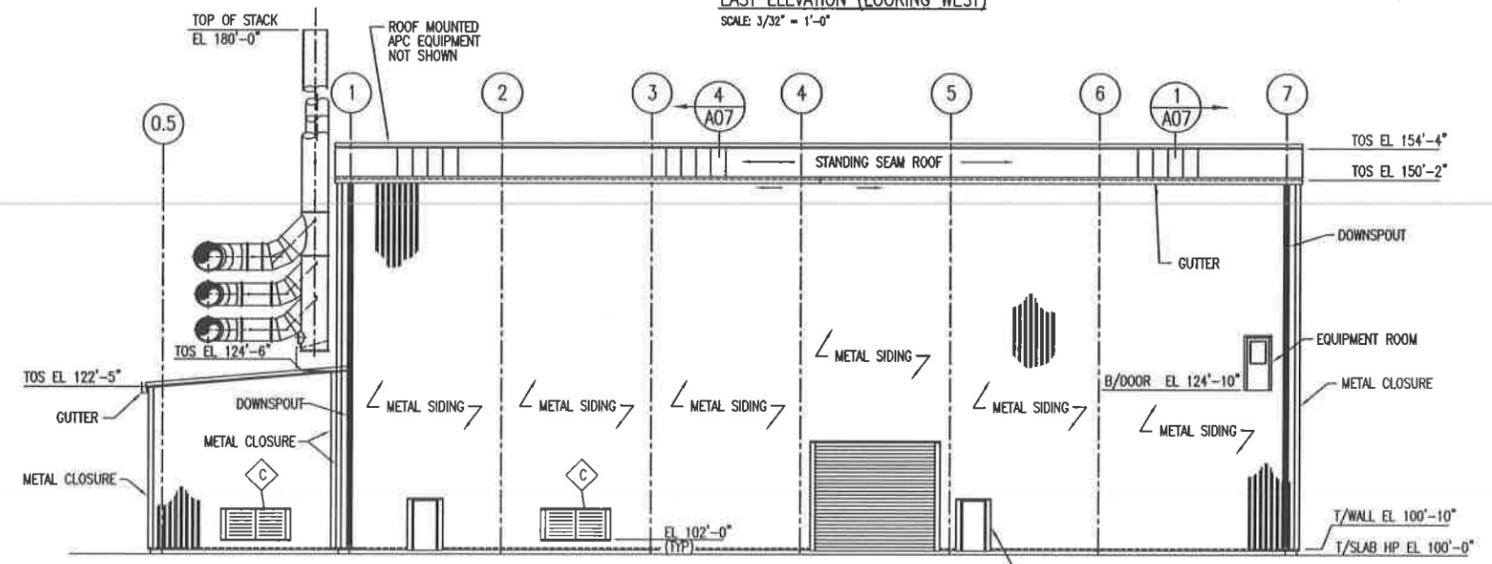


DWG. NO. D2020-A05  
 PROJ. NO. 02020

REFERENCE DRAWINGS	
DWG NO.	TITLE
A01	GENERAL NOTES & LEGEND
A02	DHB - FLOOR PLAN
A03	DHB - MISC PLATFORM PLANS
A04	DHB - ROOF PLAN
A06	DHB - BUILDING ELEVATIONS - SHEET 2
A07	DHB - BUILDING SECTIONS
A08	DHB - SECTIONS & DETAILS - SHEET 1
A09	DHB - SECTIONS & DETAILS - SHEET 2
A10	DOOR, WINDOW & ROOM FINISH SCHEDULE



EAST ELEVATION (LOOKING WEST)  
 SCALE: 3/32" = 1'-0"



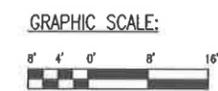
WEST ELEVATION (LOOKING EAST)  
 SCALE: 3/32" = 1'-0"

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8	EM	-	1/23/03	2003 PERMIT RENEWAL	-	EM	1/23/03
7	EM	-	1/23/03	ISSUED FOR B PERMIT RENEWAL APPLICATION	-	EM	1/23/03
6	EM	RS	1/29/03	AS BUILT FOR COA PACKAGE	DL	RS	1/29/03
5	JZ	RS	5/1/03	REVISED DRAWING FOR MAY 1998 SUBMISSION TO IDEQ	-	RS	5/1/03
4	JZ	WP	3/26/03	ISSUED FOR RECORD UPDATE	DL	RS	3/26/03
3	OK	RS	1/1/03	ISSUED FOR CONTAINMENT BUILDING PERMIT	-	RS	1/1/03
2	RS	-	-	AS BUILT	-	-	-
1	RS	RS	12/22/02	ADDED STACKS, REVISED LOCATION OF SECTION 4	-	RS	12/22/02
0	RS	RS	12/1/02	ISSUED FOR CONSTRUCTION	RS	RS	12/1/02
A	RS	RS	1/2/03	ISSUED FOR BIDDING	DL	RS	1/2/03

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SITE B  
 GRAND VIEW, IDAHO  
 US EPA ID NO. IDD 073 114 654

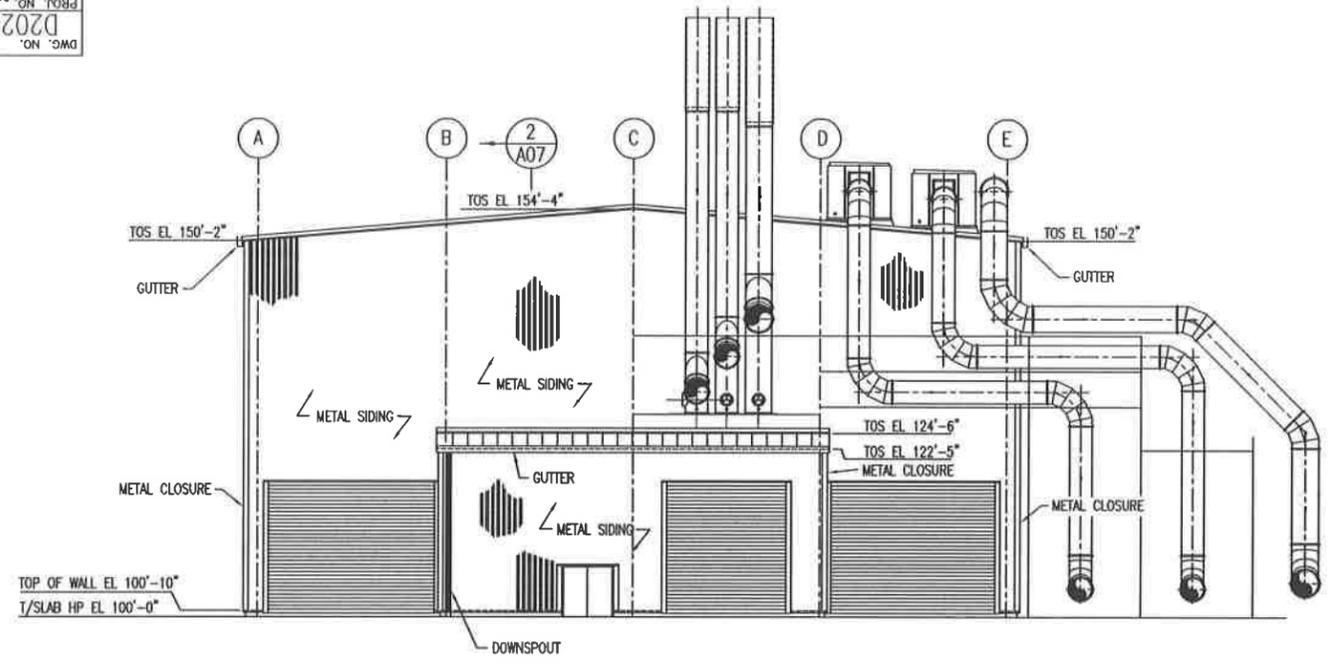
TITLE: ARCHITECTURAL  
 CONTAINMENT BUILDING (DEBRIS AREA)  
 BUILDING ELEVATIONS - SHEET 1



DATE	BY	CHK'D	DATE	DESCRIPTION	PROJ. NO.	DWG. NO.	REV. NO.
12/1/93	DL	RS	12/1/93	APPROVED	02020	D2020-A05	8
12/1/93	PJS	RS	12/1/93	CHECKED			
7/22/93	EM	-	7/22/93	DRAWN			

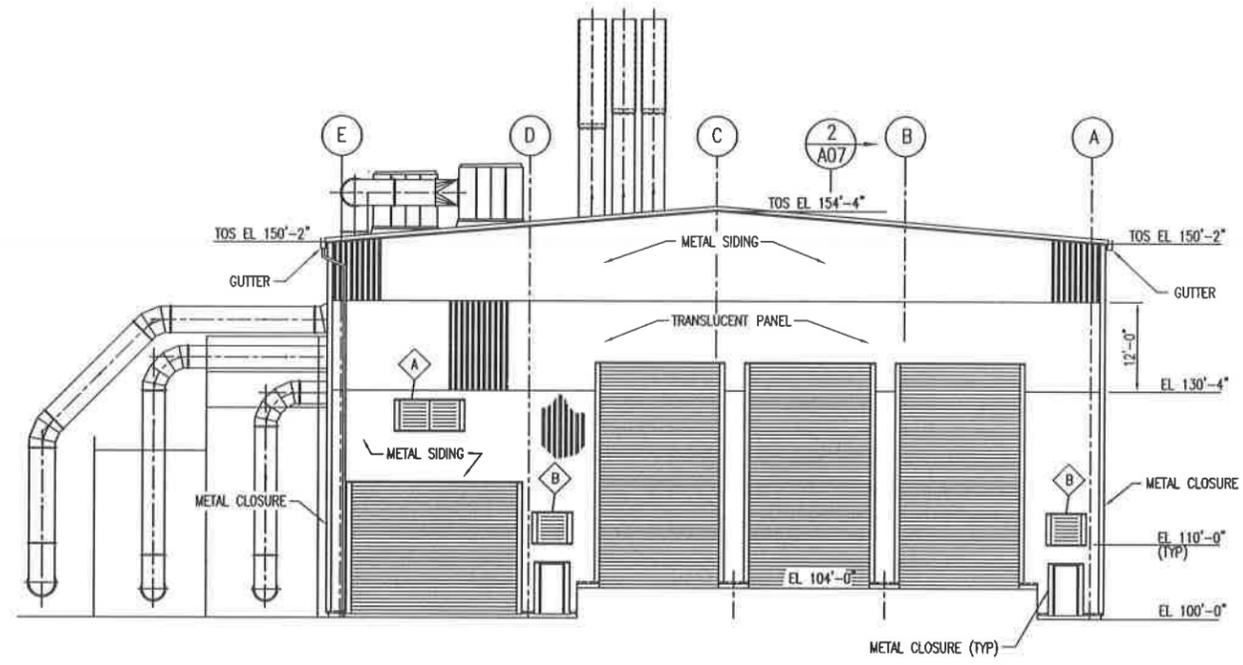
DWG. NO. D2020-A06  
 PROJ. NO. D2020

REFERENCE DRAWINGS	
DWG NO.	TITLE
A01	GENERAL NOTES & LEGEND
A02	DHB - FLOOR PLAN
A03	DHB - MISC PLATFORM PLANS
A04	DHB - ROOF PLAN
A05	DHB - BUILDING ELEVATIONS - SHEET 1
A07	DHB - BUILDING SECTIONS
A08	DHB - SECTIONS & DETAILS - SHEET 1
A09	DHB - SECTIONS & DETAILS - SHEET 2
A10	DOOR, WINDOW & FINISH SCHEDULES

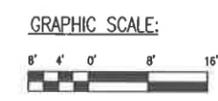


NORTH ELEVATION (LOOKING SOUTH)  
 SCALE: 3/32" = 1'-0"

WALL OPENING SCHEDULE			
OPENING MARK	SIZE		REMARKS
	WIDTH	HEIGHT	
A	12'-0"	4'-0"	VENTILATION LOUVER
B	4'-0"	4'-0"	VENTILATION LOUVER
C	8'-0"	4'-0"	VENTILATION LOUVER



SOUTH ELEVATION (LOOKING NORTH)  
 SCALE: 3/32" = 1'-0"



REV.	BY	CHK'D	DATE	DESCRIPTION	DATE	DATE
8	MM	-	1/22/93	2003 PERMIT RENEWAL	-	01
7	EM	-	1/20/93	ISSUED FOR 6 PERMIT RENEWAL APPLICATION	-	-
6	EM	RS	4/20/93/4/20/93	AS BUILT FOR COA PACKAGE	DL	NS
5	DM	RS	5/1/93	REVISED DRAWING FOR MAY 1998 SUBMISSION TO IDEQ	DL	NS
4	Z	MP	1/20/93/1/20/93	ISSUED FOR RECORD UPDATE	DL	DD
3	DM	RS	4/1/93	ISSUED FOR CONTAINMENT BUILDING PERMIT	-	NS
2	PR	-	-	AS BUILT	-	-
1	PR	RS	1/22/93/1/22/93	ADDED DUCT WORK, STACKS & DUST COLLECTORS	-	1/22/93
0	PR	RS	12/1/93/12/1/93	ISSUED FOR CONSTRUCTION	DL	NS
A	PR	RS	4/2/93	ISSUED FOR BIDDING	DL	NS

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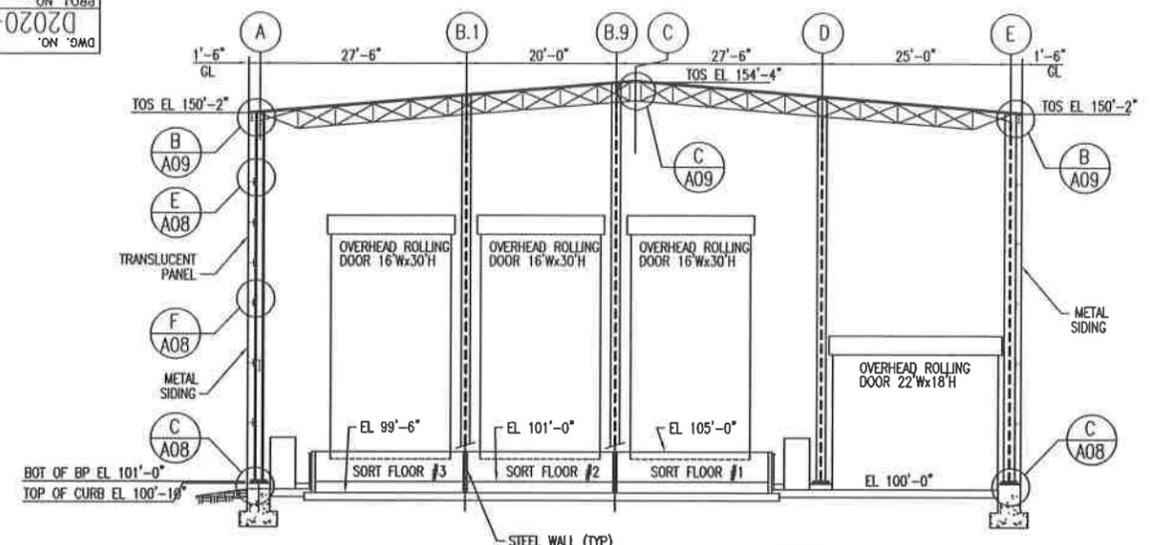
SITE B  
 GRAND VIEW, IDAHO  
 US EPA ID NO. IDD 073 114 654

TITLE: ARCHITECTURAL  
 CONTAINMENT BUILDING (DEBRIS AREA)  
 BUILDING ELEVATIONS - SHEET 2

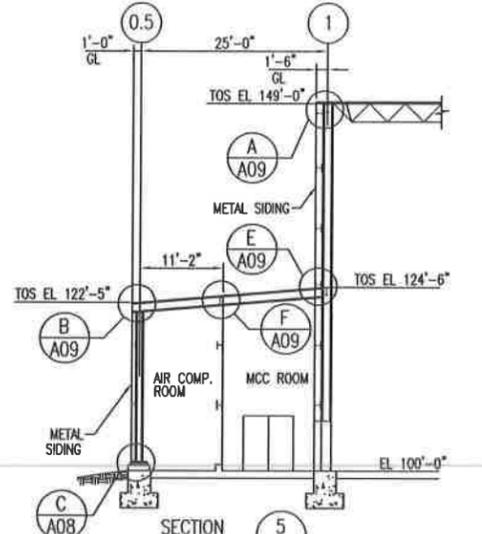
DRAWN BY	DATE	SCALE	FILE CODE	REV. NO.
MM	7/23/93		932A1068	8
CHECKED BY <td>DATE <td>ENGINEER <td>DATE <td>DWG. NO.</td> </td></td></td>	DATE <td>ENGINEER <td>DATE <td>DWG. NO.</td> </td></td>	ENGINEER <td>DATE <td>DWG. NO.</td> </td>	DATE <td>DWG. NO.</td>	DWG. NO.
PJS	12/1/93	PJS	12/1/93	D2020-A06
PROJ. MGR. <td>DATE <td>APPROVED <td>DATE <td>PROJ. NO.</td> </td></td></td>	DATE <td>APPROVED <td>DATE <td>PROJ. NO.</td> </td></td>	APPROVED <td>DATE <td>PROJ. NO.</td> </td>	DATE <td>PROJ. NO.</td>	PROJ. NO.
DL	12/1/93			D2020

DWG. NO. D2020-A07  
 PROJ. NO. D2020

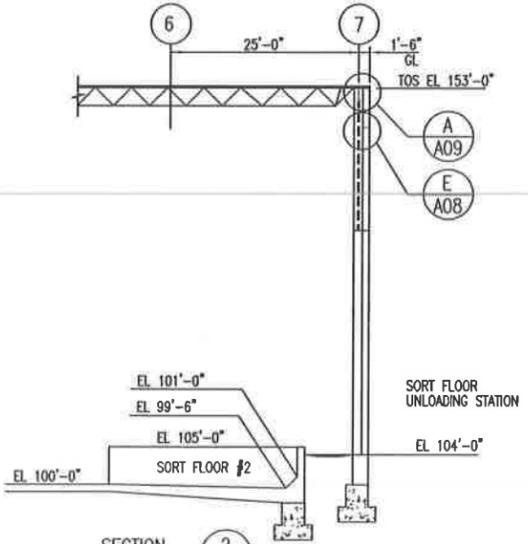
REFERENCE DRAWINGS	
DWG NO.	TITLE
A01	GENERAL NOTES & LEGEND
A02	DHB - FLOOR PLAN
A03	DHB - MISC PLATFORM PLANS
A04	DHB - ROOF PLANS
A05	DHB - BUILDING ELEVATIONS - SHEET 1
A06	DHB - BUILDING ELEVATIONS - SHEET 2
A08	DHB - SECTIONS & DETAILS - SHEET 1
A09	DHB - SECTIONS & DETAILS - SHEET 2
A10	DOOR, WINDOW & ROOM FINISH SCHEDULE



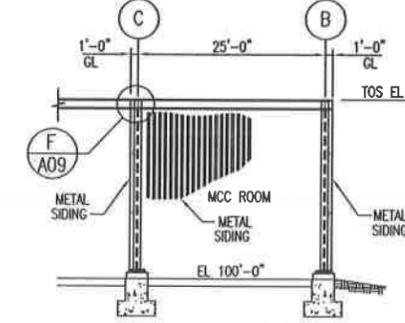
SECTION 1  
 SCALE: 3/32"=1'-0"



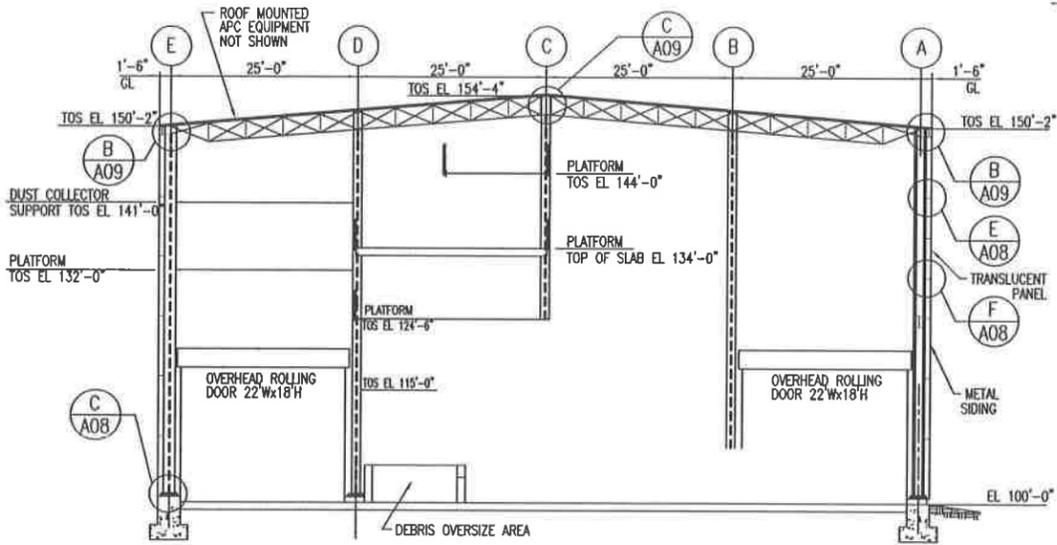
SECTION 5  
 SCALE: 3/32"=1'-0"



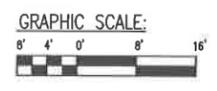
SECTION 2  
 SCALE: 3/32"=1'-0"



SECTION 6  
 SCALE: 3/32"=1'-0"



SECTION 4  
 SCALE: 3/32"=1'-0"



REV.	BY	CHK'D	DATE	DESCRIPTION	DATE	DATE
9	BM	-	1/2/03	2003 PERMIT RENEWAL	-	1/2/03
8	BM	-	7/28/01	ISSUED FOR 8 PERMIT RENEWAL APPLICATION	-	-
7	BM	RS	4/21/01	AS BUILT FOR COA PACKAGE	4/21/01	4/21/01
6	BM	RS	5/1/00	REVISED DRAWING FOR MAY 1998 SUBMISSION TO IDEQ	5/1/00	5/1/00
5	IZ	MP	1/28/97	ISSUED FOR RECORD UPDATE	1/28/97	2/2/97
4	DCI	RS	4/1/95	ISSUED FOR CONTAINMENT BUILDING PERMIT	-	4/1/95
3	MR	-	-	AS BUILT	-	-
2	MR	RS	5/11/94	FOR RESUBMISSION TO IDEQ	5/11/94	12/1/94
1	MR	RS	1/22/94	ADDED SECTION 6; MISC REVISIONS SECT 1, 2, 3, 4 & 5	-	1/22/94
0	MR	RS	12/1/93	ISSUED FOR CONSTRUCTION	12/1/93	12/1/93
A	MR	RS	4/2/93	ISSUED FOR BIDDING	4/2/93	4/2/93

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SITE B  
 GRAND VIEW, IDAHO  
 US EPA ID NO. IDD 073 114 654

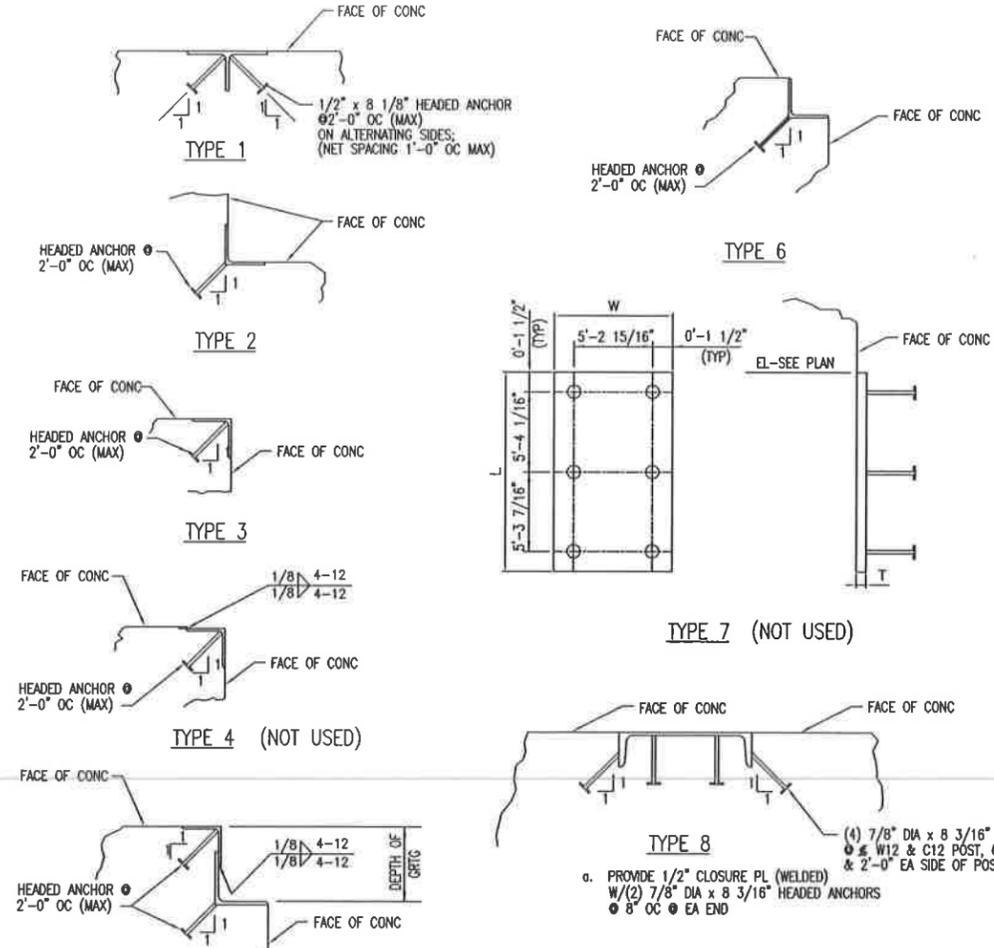
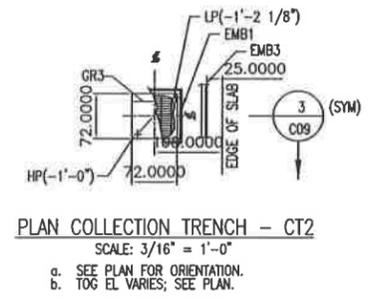
TITLE: ARCHITECTURAL CONTAINMENT BUILDING (DEBRIS AREA) BUILDING SECTIONS

DATE	DATE	DATE	DATE	DATE	DATE
DRAWN BY: JWS	DATE: 8/2/93	SCALE: 3/32"=1'-0"	FILE CODE: 933A1079	REV. NO.:	9
CHECKED BY: PJS	DATE: 12/1/93	ENGINEER DATE: PJS 12/1/93	DWG. NO.:	D2020-A07	
PROJ. MGR. DATE: DL	DATE: 12/1/93	APPROVED DATE:	PROJ. NO.:	D2020	



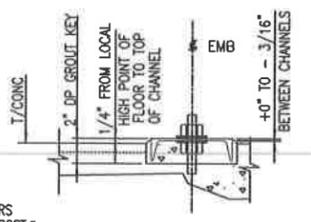
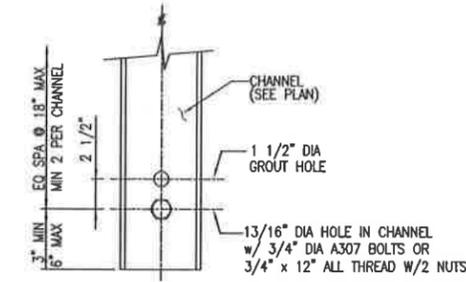
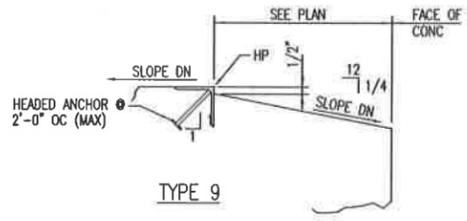
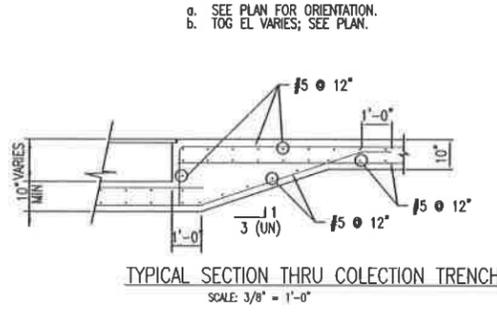
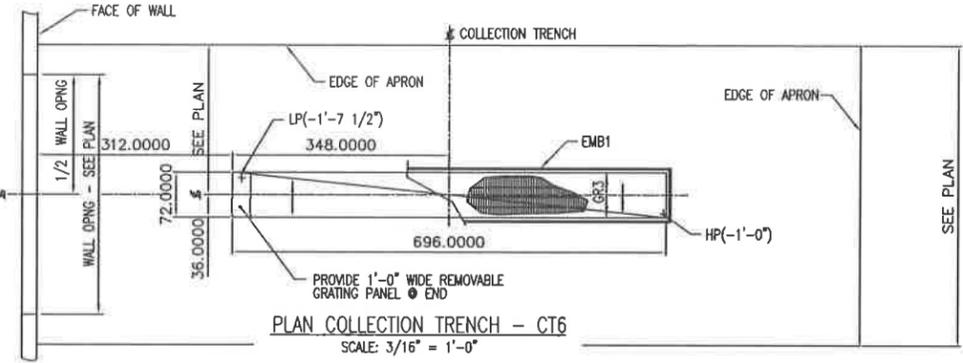
REFERENCE DRAWINGS	
DWG. NO.	TITLE
CO3	GENERAL NOTES & LEGEND
CO4	DHB - FOUNDATION PLAN
CO5	DHB - LINER PLAN
CO6	DHB - GROUND FLOOR PLAN
CO7	DHB - SLAB SECTIONS & DETAILS
CO9	DHB - FOUNDATION SECTIONS & DET - SHT 1
C10	DHB - FOUNDATION SECTIONS & DET - SHT 2

EMBEDMENT SCHEDULE			
MARK	TYPE	MEMBER SIZE	REMARKS
EMB1	5	TOP 1 1/2" x 1 1/2" x 1/4" BRK L2 x 2 x 1/4" (LH)	GALV
EMB2	6	L2 x 2 x 1/4"	GALV
EMB3	9	L4 x 3 x 1/4" (LH)	GALV
EMB4	3	L3 x 3 x 1/4"	
EMB5	1	WT3 x 7.5	
EMB6	2	L3 x 3 x 1/4"	
EMB7	11	1/4" BENT PL	
EMB8	8	C15 x 50	
EMB9	2	L3 x 3 x 5/16"	OUTSTANDING LEG W/O CONC
EMB10	3	L3 x 3 x 5/16"	
EMB11	10	C3 x 6	GALV



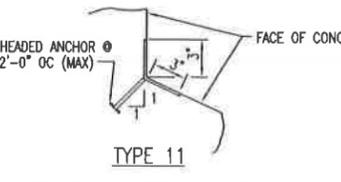
**EMBEDMENT TYPE DETAILS**  
SCALE: NONE

- HEADED ANCHORS: 1/2" x 4 1/8" UN.
- LOCATE STUDS WITHIN 3" FROM EACH END OF MEMBER (UN).
- USE A MINIMUM OF 3 STUDS/SIDE.
- MITER, WELD, & GRIND INTERSECTING CORNERS OF FRAMES.

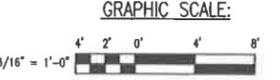


**TYPE 10**

- CHANNEL MUST BE LEVEL AND TRUE.
- AFTER GROUT HAS SET, REMOVE NUT.
- WELD AROUND ANCHOR BOLT.
- BURN OFF ANCHOR BOLT FLUSH WITH CHANNEL.



MARK	QUANTITY	VOLUME (GALLONS)		
		EACH	TOTAL	EAST AREA
CT1	—	593.2	1186.4	—
CT2	3	54.5	381.5	163.5
CT4	—	104.7	418.8	—
CT6	3	623.9	1871.7	1871.7
CT8	—	104.7	418.8	—
<b>BUILDING TOTALS</b>	<b>6</b>	—	<b>4277.2</b>	<b>2035.2</b>



REV.	BY	CHK'D	DATE	DESCRIPTION	PROJ. SUPERVISOR	DATE
8			1/24/93	2003 PERMIT RENEWAL		
7			1/28/93	ISSUED FOR B PERMIT RENEWAL APPLICATION		
6	EMB	RS	4/29/98	AS BUILT FOR COA PACKAGE		
5	EMB	RS	5/1/98	REVISED DRAWING FOR MAY 1998 SUBMISSION TO IDEE		
4	JZ	MP	3/27/97	ISSUED FOR RECORD UPDATE		
3	COB	RS	4/1/98	ISSUED FOR CONTAINMENT BUILDING PERMIT		
2	MP	RS	—	AS BUILT; REVISED TYP SECT THRU COLLECTION TRENCH & REVISED TYPE 10 DETAIL		
1	MP	RS	3/22/93	ADDED EM11 TO SCHEDULE		
0	LAS	RS	12/1/93	ISSUED FOR CONSTRUCTION		
A	BBB	RS	4/2/93	ISSUED FOR BIDDING		

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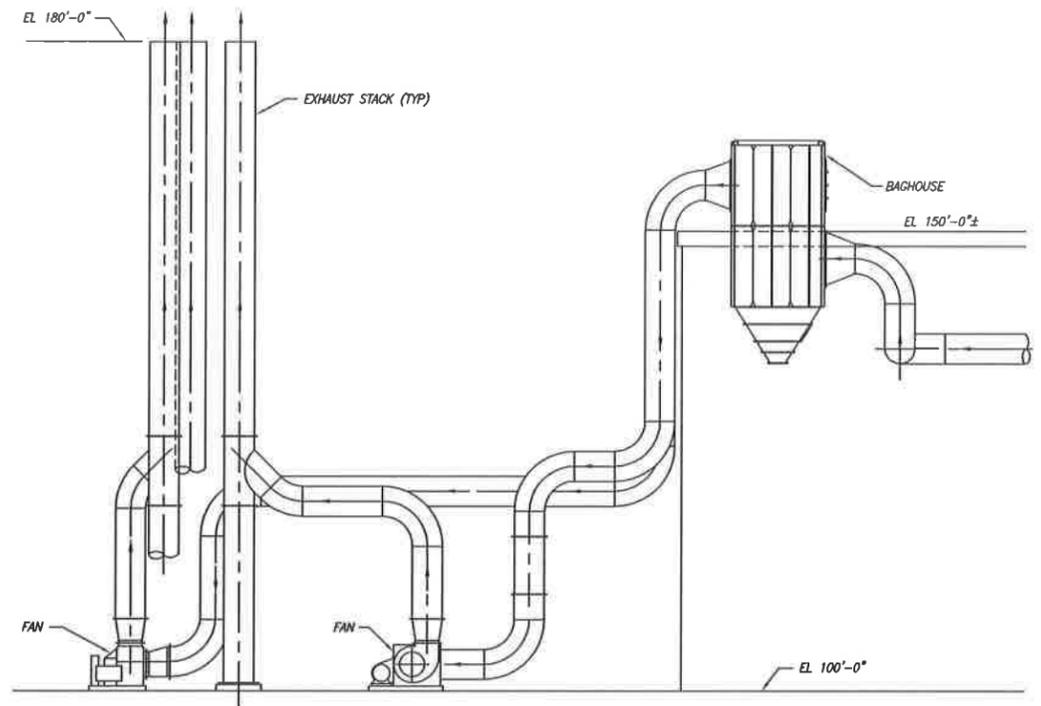
SITE B  
GRAND VIEW, IDAHO  
US EPA ID NO. IDD 073 114 654

TITLE: CIVIL  
CONTAINMENT BUILDING (DEBRIS AREA)  
TRENCH SECTIONS & DETAILS

DRAWN BY: DEB	DATE: 8/31/93	SCALE:	FILE CODE: S32C1588	REV. NO.:
CHECKED BY: PJS	DATE: 12/1/93	ENGINEER DATE: 12/1/93	DWG. NO.: D2020-C08	8
PROJ. MGR. DATE: 12/1/93	APPROVED DATE:	PROJ. NO.: D2020		

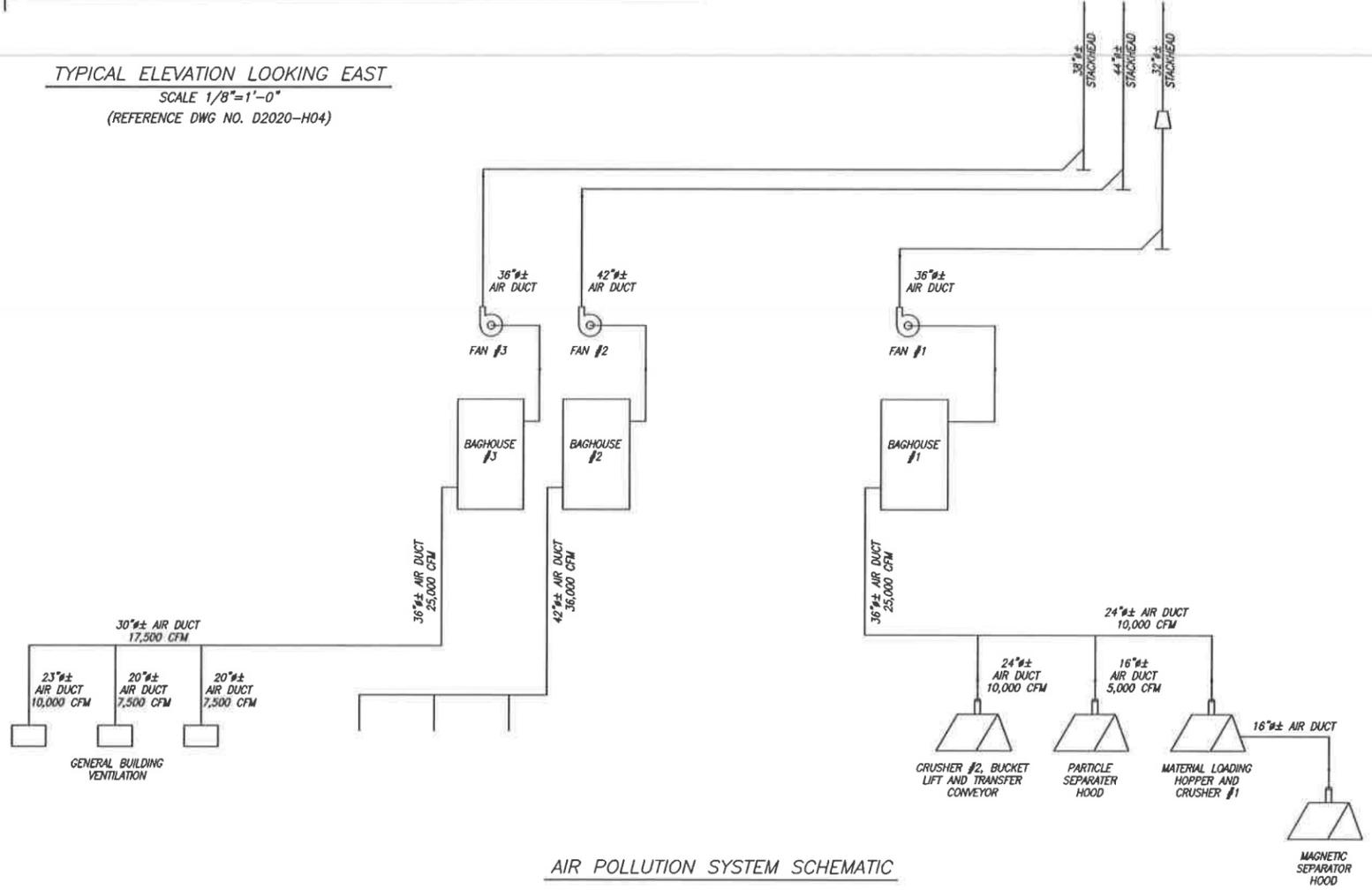
PROJ. NO. D2020  
 DWG. NO. D2020-H01

REFERENCE DRAWINGS	
DWG NO.	TITLE
G01	SITE PLAN



TYPICAL ELEVATION LOOKING EAST  
 SCALE 1/8"=1'-0"  
 (REFERENCE DWG NO. D2020-H04)

CONTAINMENT BUILDING				
UNIT	ESTIMATED FLOW RATE (CFM)	HOOD SOURCE	ENTRY PIPE SIZE (IN)	EXIT PIPE SIZE (IN)
1	25,000	DEBRIS CRUSHING AREA	36"	32"
2	36,000	SORT FLOOR 1, 2 & 3	42"	44"
3	25,000	GENERAL BUILDING VENTILATION	36"	38"



AIR POLLUTION SYSTEM SCHEMATIC

NOTE:  
 CRUSHER #1 - PRIMARY  
 CRUSHER #2 - SECONDARY

REV.	BY	CHKD	DATE	DESCRIPTION	PROJ. ENGR	SUPV ENGR
5	-	-	-	November 2, 2006 Permit Mod	-	-
3	-	-	-	ISSUED FOR RCRA Part B PERMIT	-	-
2	DL	RS	4/1/98	ISSUED FOR CONTAINMENT BUILDING PERMIT	-	RS
1	RS	-	-	AS BUILT	-	-
0	RS	RS	4/11/97	ISSUED FOR CONSTRUCTION	DL	RS
B	RS	RS	4/11/97	FOR RESUBMISSION TO IDEQ	DL	RS
A	RS	RS	4/11/97	FOR SUBMISSION TO EPA	TBI	RS

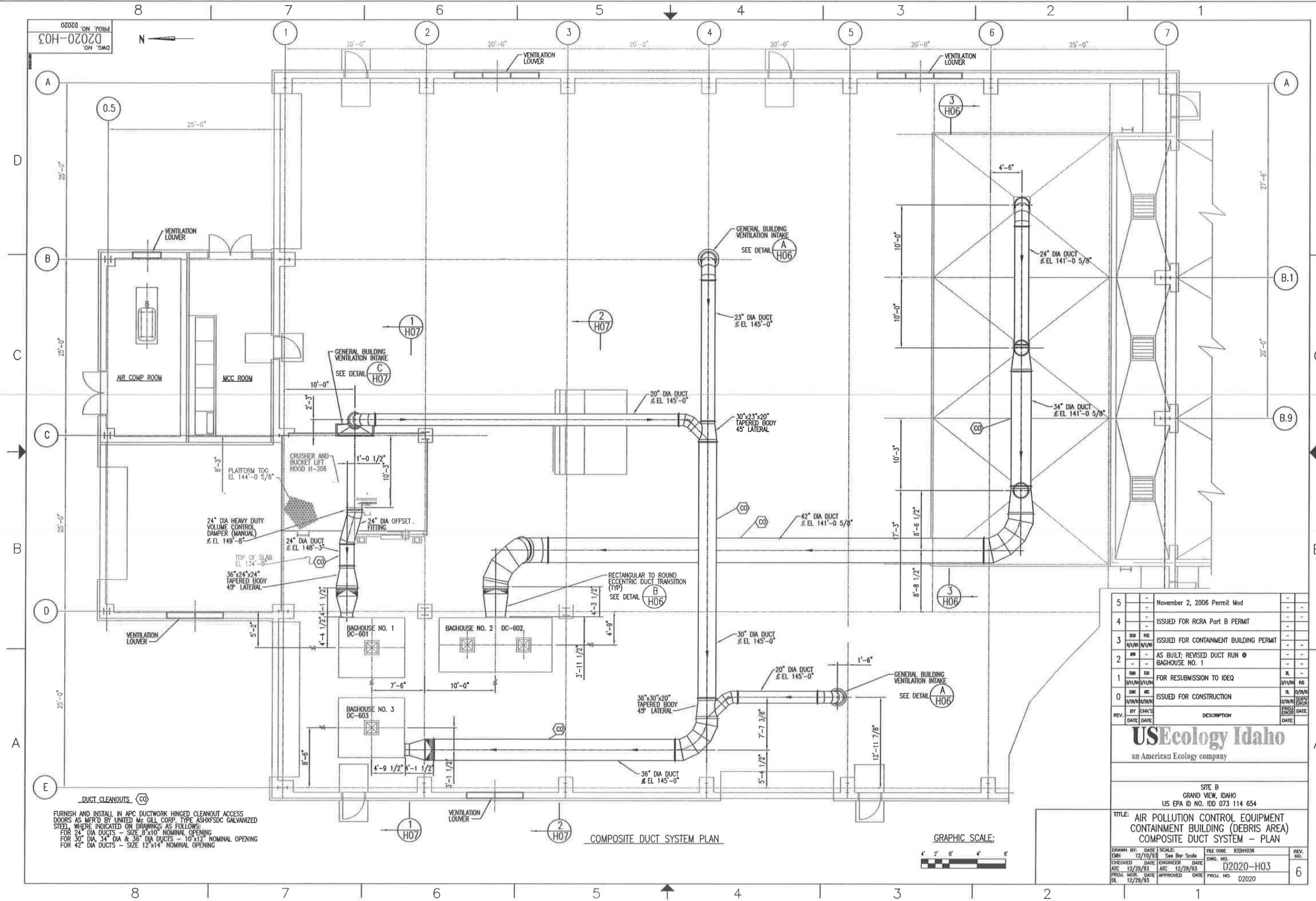
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SITE B  
 GRAND VIEW, IDAHO  
 US EPA ID NO. IDD 073 114 654

TITLE: CONTAINMENT BUILDING (DEBRIS AREA)  
 AIR POLLUTION CONTROL SYSTEM  
 SECTION & SCHEMATIC

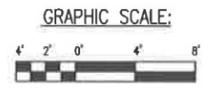
DRAWN BY	DATE	SCALE	FILE CODE	REV. NO.
LJS	10/8/93		932H015	5
CHECKED	DATE	ENGINEER	DATE	DWG. NO.
ATC	3/11/94	ATC	3/11/94	D2020-H01
PROJ. MGR.	DATE	APPROVED	DATE	PROJ. NO.
DL	3/11/94	RS	3/11/94	D2020

DWG. NO. D2020-H03  
 PROJ. NO. D2020



DUCT CLEANOUTS (CO)  
 FURNISH AND INSTALL IN APC DUCTWORK HINGED CLEANOUT ACCESS DOORS AS MFR'D BY UNITED Mc GILL CORP. TYPE ASHXFSDC GALVANIZED STEEL WHERE INDICATED ON DRAWINGS AS FOLLOWS:  
 FOR 24" DIA DUCTS - SIZE 8"x10" NOMINAL OPENING  
 FOR 30" DIA, 34" DIA & 36" DIA DUCTS - 10"x12" NOMINAL OPENING  
 FOR 42" DIA DUCTS - SIZE 12"x14" NOMINAL OPENING

COMPOSITE DUCT SYSTEM PLAN



5	-	November 2, 2006 Permit Mod	-
4	-	ISSUED FOR RCRA Part B PERMIT	-
3	DR	ISSUED FOR CONTAINMENT BUILDING PERMIT	-
2	AP	AS BUILT; REVISED DUCT RUN @ BAGHOUSE NO. 1	-
1	EM	FOR RESUBMISSION TO IDEQ	DL
0	EM	ISSUED FOR CONSTRUCTION	DL
REV.	BY	CHK'D	DATE
	DATE	DATE	DESCRIPTION

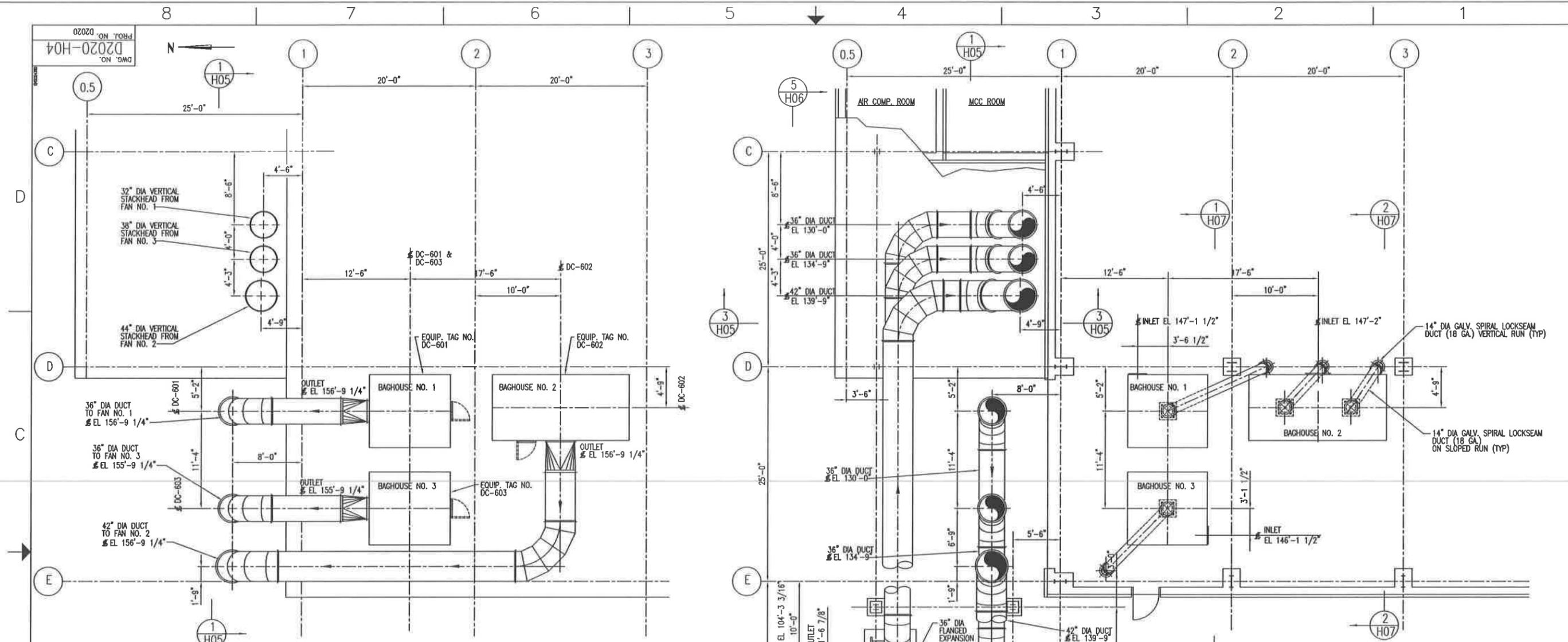
**USEcology Idaho**  
 an American Ecology company

SITE B  
 GRAND VIEW, IDAHO  
 US EPA ID NO. IDD 073 114 654

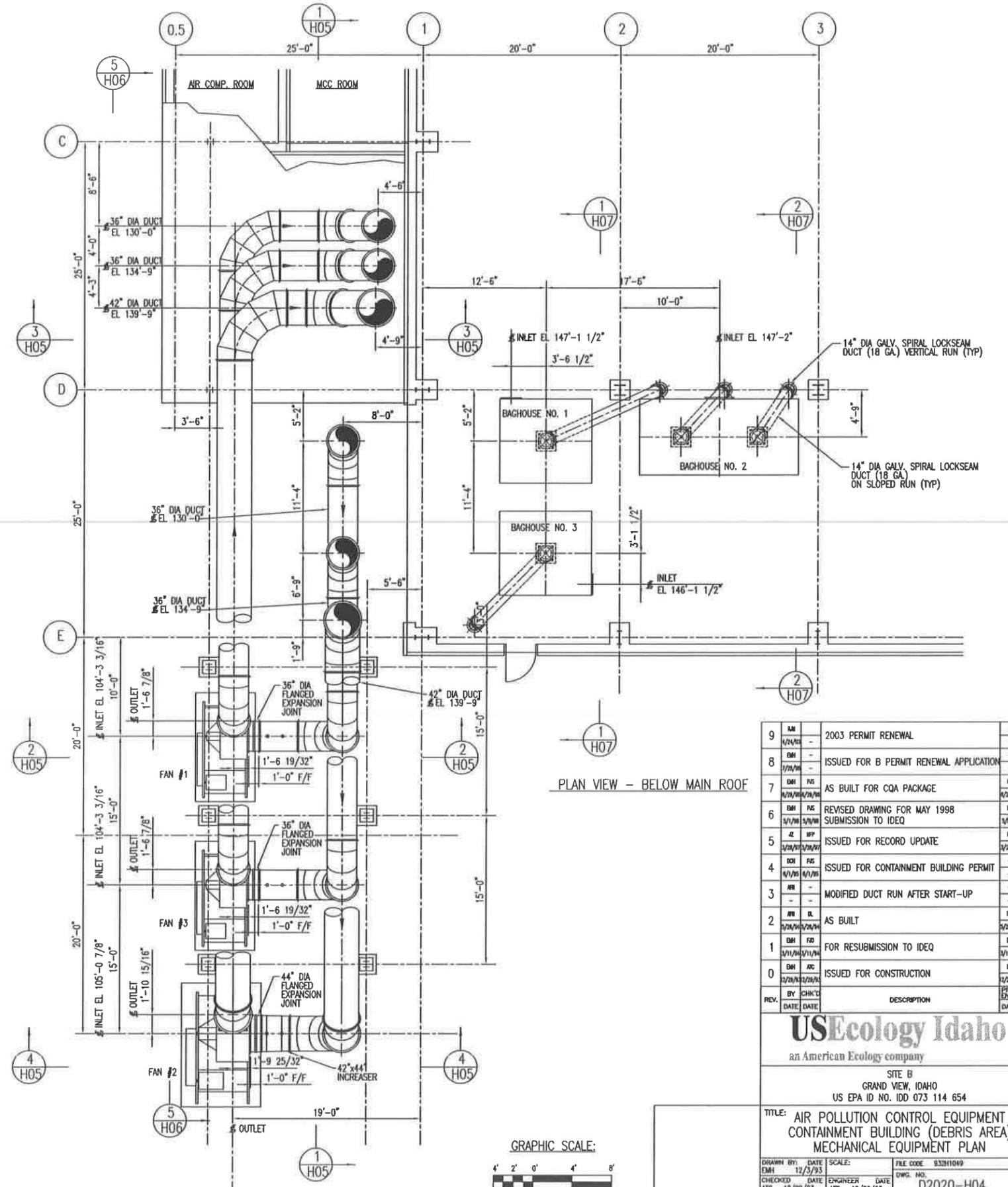
TITLE: AIR POLLUTION CONTROL EQUIPMENT  
 CONTAINMENT BUILDING (DEBRIS AREA)  
 COMPOSITE DUCT SYSTEM - PLAN

DRAWN BY:	DATE:	SCALE:	FILE CODE:	REV. NO.:
EMH	12/10/93	See Bar Scale	932H036	6
CHECKED:	DATE:	ENGINEER:	DWG. NO.:	
ATC	12/29/93	ATC	D2020-H03	
PROJ. MGR.:	DATE:	APPROVED:	PROJ. NO.:	
DL	12/29/93		D2020	

PROJ. NO. D2020-02020  
 DWG. NO. D2020-H04



PLAN VIEW - ABOVE MAIN ROOF



PLAN VIEW - BELOW MAIN ROOF

GRAPHIC SCALE:



REV.	BY	CHK'D	DATE	DESCRIPTION	PROJ.	SUPPLY	ENGR.	DATE
9	EM		1/24/03	2003 PERMIT RENEWAL				1/24/03
8	EM		1/27/98	ISSUED FOR B PERMIT RENEWAL APPLICATION				
7	EM	RS	1/27/98/2/2/98	AS BUILT FOR COA PACKAGE		IL	RS	1/27/98/2/2/98
6	EM	RS	5/1/98	REVISED DRAWING FOR MAY 1998 SUBMISSION TO IDEQ		IL	RS	5/1/98
5	EM	RF	1/27/97/2/2/97	ISSUED FOR RECORD UPDATE		IL	RF	1/27/97/2/2/97
4	EM	RS	4/1/98	ISSUED FOR CONTAINMENT BUILDING PERMIT			RS	4/1/98
3	EM			MODIFIED DUCT RUN AFTER START-UP				
2	EM	IL	5/24/98/5/29/98	AS BUILT		IL	RS	5/24/98/5/29/98
1	EM	RF	1/11/98/1/11/98	FOR RESUBMISSION TO IDEQ		IL	RS	1/11/98/1/11/98
0	EM	ATC	12/28/93/12/28/93	ISSUED FOR CONSTRUCTION		IL	RS	12/28/93/12/28/93

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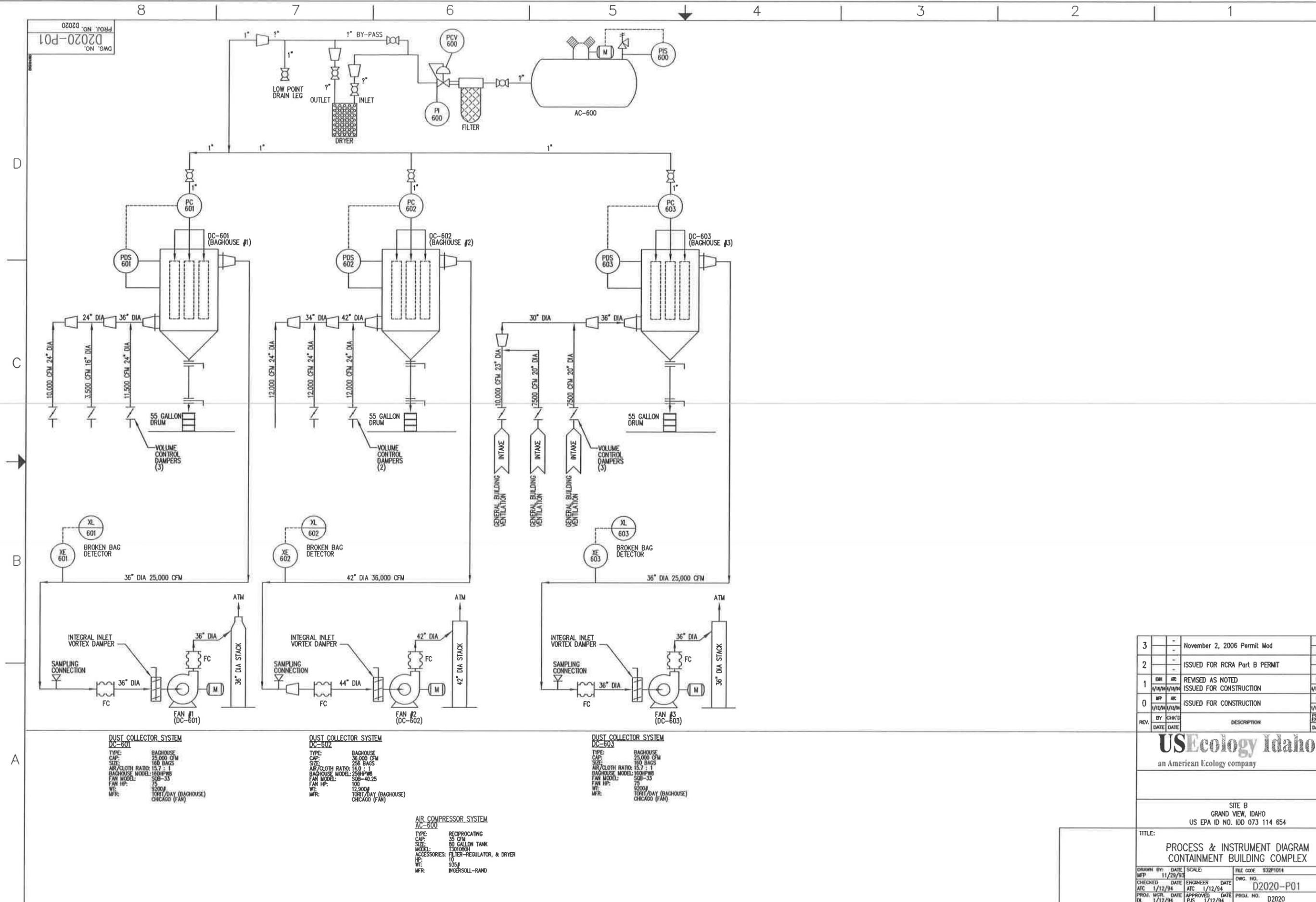
SITE B  
 GRAND VIEW, IDAHO  
 US EPA ID NO. IDD 073 114 654

TITLE: AIR POLLUTION CONTROL EQUIPMENT  
 CONTAINMENT BUILDING (DEBRIS AREA)  
 MECHANICAL EQUIPMENT PLAN

DRAWN BY	DATE	SCALE	FILE CODE	REV. NO.
EMH	12/3/93		932H1049	
CHECKED	DATE	ENGINEER	DATE	DWG. NO.
ATC	12/29/93	ATC	12/29/93	D2020-H04
PROJ. MGR.	DATE	APPROVED	DATE	PROJ. NO.
D. LIZZ/2/29/93				D2020

9

DWG. NO. D2020-P01  
PROJ. NO. D2020



**DUST COLLECTOR SYSTEM  
DC-601**  
 TYPE: BAGHOUSE  
 CAP: 25,000 CFM  
 SIZE: 160 BAGS  
 AIR/CLOTH RATIO: 15.7 : 1  
 BAGHOUSE MODEL: 160HPMB  
 FAN MODEL: S28-33  
 FAN HP: 75  
 WT: 9200#  
 MFR: TORIT/DAY (BAGHOUSE)  
 CHICAGO (FAN)

**DUST COLLECTOR SYSTEM  
DC-602**  
 TYPE: BAGHOUSE  
 CAP: 36,000 CFM  
 SIZE: 258 BAGS  
 AIR/CLOTH RATIO: 14.0 : 1  
 BAGHOUSE MODEL: 258HPMB  
 FAN MODEL: S28-40.25  
 FAN HP: 100  
 WT: 12,900#  
 MFR: TORIT/DAY (BAGHOUSE)  
 CHICAGO (FAN)

**DUST COLLECTOR SYSTEM  
DC-603**  
 TYPE: BAGHOUSE  
 CAP: 25,000 CFM  
 SIZE: 160 BAGS  
 AIR/CLOTH RATIO: 15.7 : 1  
 BAGHOUSE MODEL: 160HPMB  
 FAN MODEL: S28-33  
 FAN HP: 75  
 WT: 9200#  
 MFR: TORIT/DAY (BAGHOUSE)  
 CHICAGO (FAN)

**AIR COMPRESSOR SYSTEM  
AC-600**  
 TYPE: RECIPROCATING  
 CAP: 35 CFM  
 SIZE: 80 GALLON TANK  
 MODEL: C3000PH  
 ACCESSORIES: FILTER-REGULATOR, & DRYER  
 HP: 10  
 WT: 935#  
 MFR: INGERSOLL-RAND

3	-	November 2, 2006 Permit Mod	-	-
2	-	ISSUED FOR RCRA Part B PERMIT	-	-
1	DM	REVISED AS NOTED	DL	NS
0	MP	ISSUED FOR CONSTRUCTION	DL	NS
REV.	BY	CHK'D	DESCRIPTION	PROJ. SUPPLY ENGR. ENGR.
	DATE	DATE	DATE	DATE

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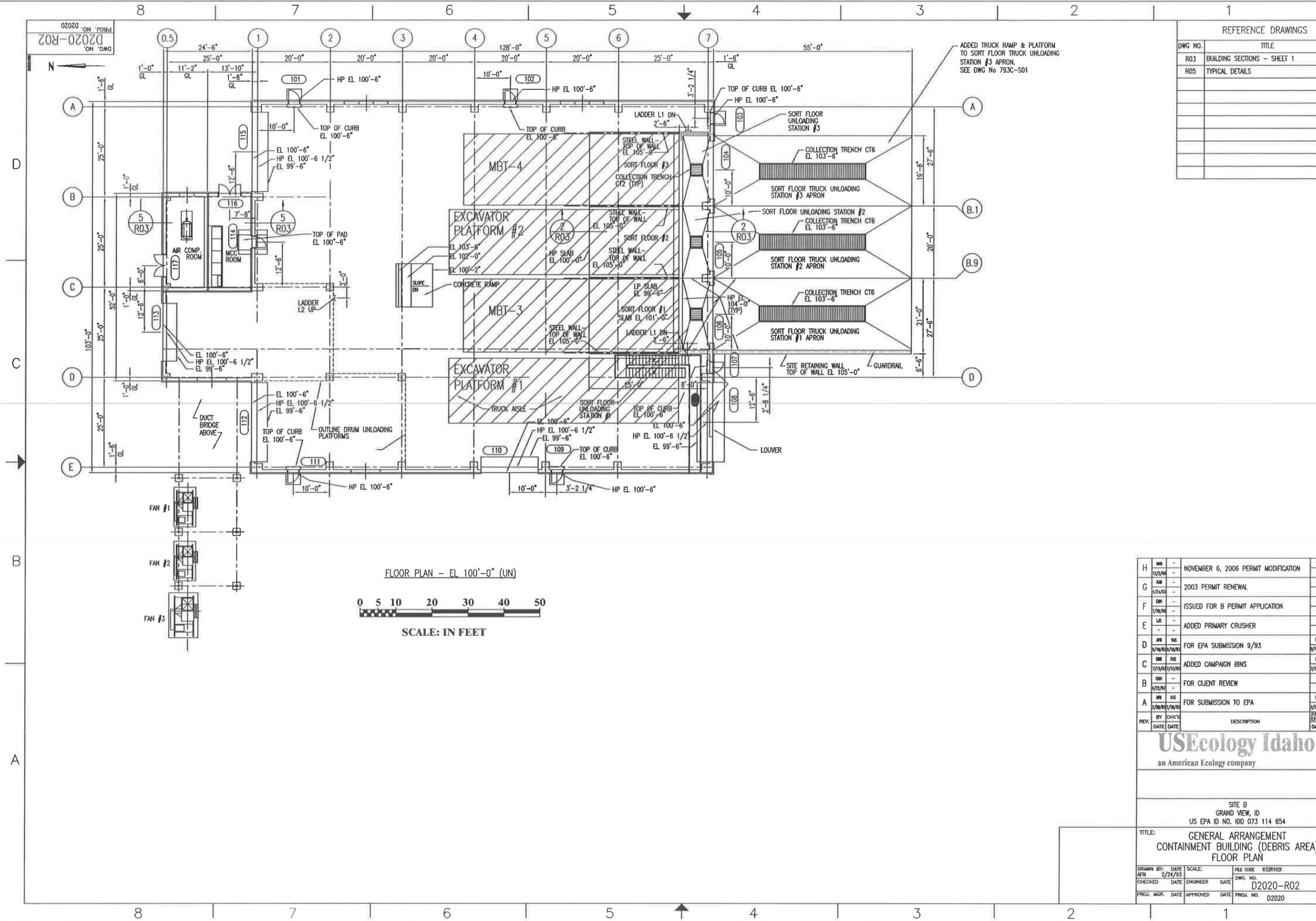
SITE B  
 GRAND VIEW, IDAHO  
 US EPA ID NO. IDD 073 114 654

TITLE:  
**PROCESS & INSTRUMENT DIAGRAM  
 CONTAINMENT BUILDING COMPLEX**

DRAWN BY: MFP	DATE: 11/29/93	SCALE:	FILE CODE: 932P1014	REV. NO.:
CHECKED: ATC	DATE: 1/12/94	ENGINEER: ATC	DATE: 1/12/94	DWG. NO.: D2020-P01
PROJ. MGR: DL	DATE: 1/12/94	APPROVED: PUS	DATE: 1/12/94	PROJ. NO.: D2020

DWG. NO. D2020-R02  
 PROJ. NO. D2020

REFERENCE DRAWINGS	
DWG. NO.	TITLE
R03	BUILDING SECTIONS - SHEET 1
R05	TYPICAL DETAILS



FLOOR PLAN - EL 100'-0" (UN)



SCALE: IN FEET

H	12/2/06	NOVEMBER 6, 2006 PERMIT MODIFICATION		
G	1/24/05	2003 PERMIT RENEWAL		
F	2/28/05	ISSUED FOR B PERMIT APPLICATION		
E		ADDED PRIMARY CRUSHER		
D	4/16/93/10/93	FOR EPA SUBMISSION 9/93		
C	7/15/92/11/92	ADDED CAMPAIGN BINS		
B	4/27/90	FOR CLIENT REVIEW		
A	2/28/82/2/82	FOR SUBMISSION TO EPA		
REV.	BY	CHK'D	DESCRIPTION	PROJ. ENGR
	DATE	DATE		DATE

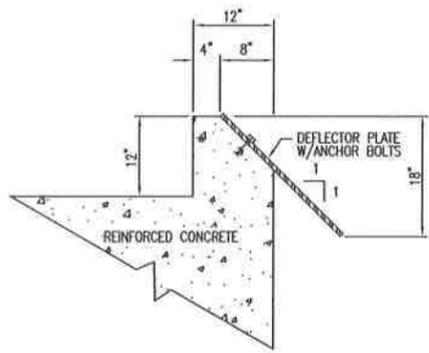
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SITE B  
 GRAND VIEW, ID  
 US EPA ID NO. IDD 073 114 654

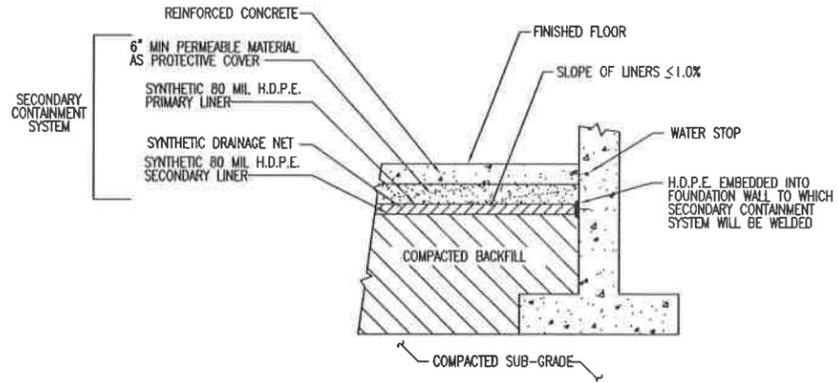
TITLE: GENERAL ARRANGEMENT  
 CONTAINMENT BUILDING (DEBRIS AREA)  
 FLOOR PLAN

DRAWN BY:	DATE:	SCALE:	FILE CODE:	932R1021	REV. NO.:
AFN	2/24/93		DWG. NO.:	D2020-R02	
CHECKED:	DATE:	ENGINEER:	DATE:		
PROJ. MGR.:	DATE:	APPROVED:	DATE:	PROJ. NO.:	D2020

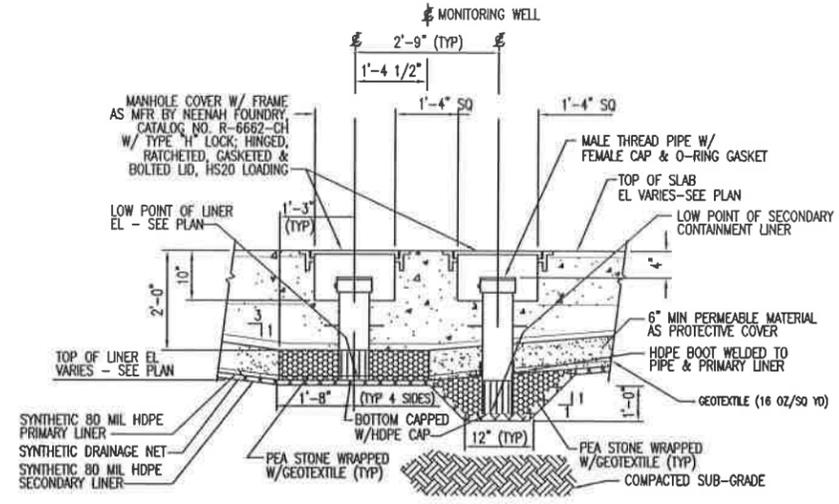
DWG. NO. D2020-R05  
PROJ. NO. 02020



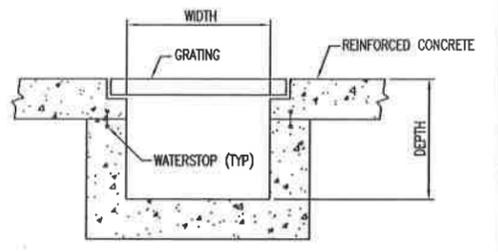
BUMPER CURB  
DETAIL 1  
R03



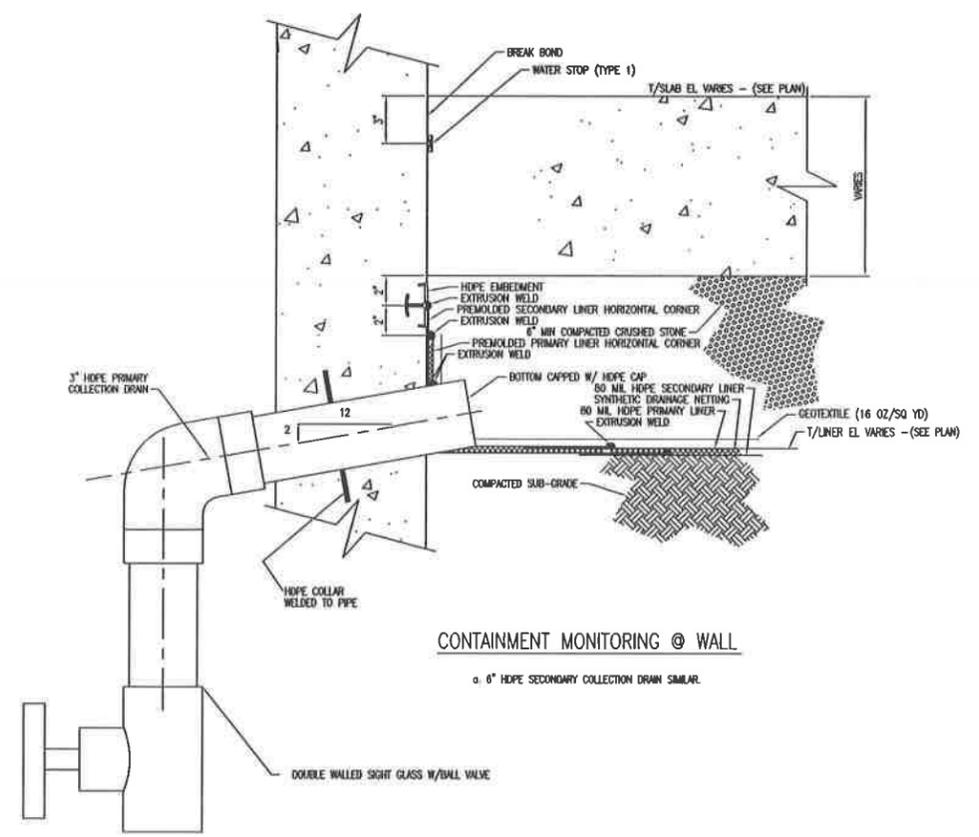
SECONDARY CONTAINMENT  
DETAIL 2  
R03



CONTAINMENT MONITORING & SUMP @ SLAB



TYPICAL COLLECTION TRENCH



CONTAINMENT MONITORING @ WALL

ø 6" HOPE SECONDARY COLLECTION DRAIN SIMILAR.

REV.	BY	CHK'D	DATE	DESCRIPTION	PROJ. ENGR	DATE	DATE
4	MM	-	1/24/05	2003 PERMIT RENEWAL	-	-	4/14/05
3	EM	-	7/29/04	ISSUED FOR B PERMIT RENEWAL APPLICATION	-	-	-
2	DD	RS	4/1/03	ISSUED FOR CONTAINMENT BUILDING PERMIT	-	RS	4/1/03
1	MM	-	-	AS BUILT	-	-	-
0	MM	RS	1/11/04	ISSUED FOR CONSTRUCTION	DL	RS	1/11/04
D	LS	RS	1/11/04	FOR RESUBMISSION TO IDEQ	DL	RS	1/11/04
C	MP	RS	1/20/03	FOR EPA SUBMISSION 11/93	EB	RS	1/20/03
B	MP	RS	9/18/02	FOR EPA SUBMISSION 9/93	EB	RS	9/18/02
A	MM	RS	2/28/02	FOR SUBMISSION TO EPA	DL	RS	2/28/02

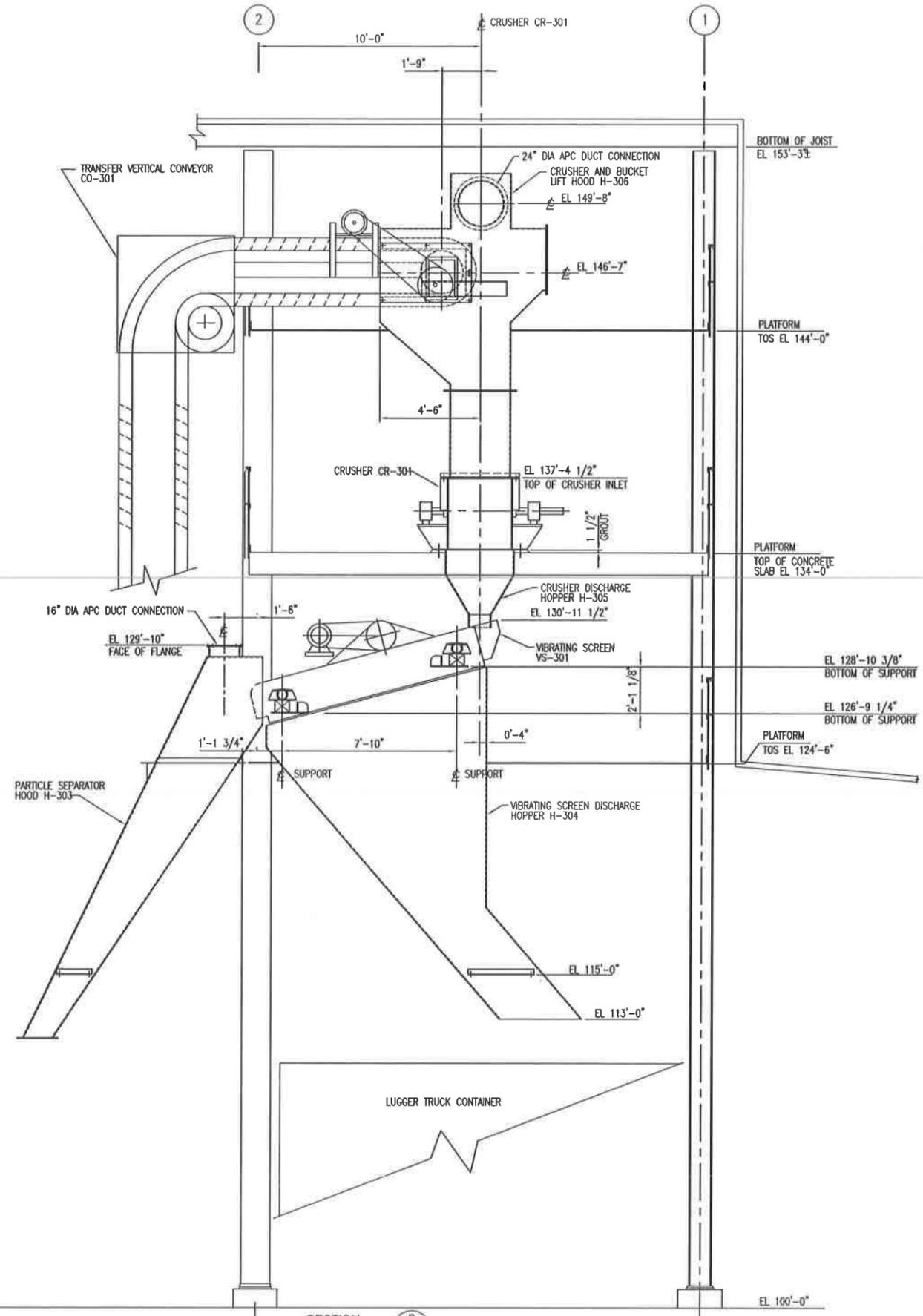
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US EPA ID NO. IDD 073 114 654

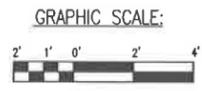
TITLE: GENERAL ARRANGEMENT  
CONTAINMENT BUILDING (DEBRIS AREA)  
TYPICAL DETAILS

DRAWN BY:	DATE:	SCALE:	FILE CODE:	REV. NO.:
MM	2/24/93		932R1054	4
CHECKED:	DATE:	ENGINEER:	DWG. NO.:	
			D2020-R05	
PROJ. MGR.:	DATE:	APPROVED:	DATE:	PROJ. NO.:
				02020

PROJ. NO. D2020  
 DWG. NO. D2020-R07



SECTION 2 (LOOKING WEST)  
 SCALE: 3/8" = 1'-0"  
 R06



6	IM	-	2003 PERMIT RENEWAL	-	#1
5	IM	-	ISSUED FOR B PERMIT RENEWAL APPLICATION	-	-
4	DCI	RS	ISSUED FOR CONTAINMENT BUILDING PERMIT	-	RS
3	AP	-	AS BUILT	-	-
2	AP	RC	FOR RESUBMISSION TO IDEQ	DL	RS
1	LS	RS	REVISED HOOD H-303	-	RS
0	IM	RS	ISSUED FOR CONSTRUCTION	DL	RS
A	EM	RS	ISSUED FOR BIDDING	DL	RS
REV.	BY	CHK'D	DESCRIPTION	PROJ. ENGR	DATE

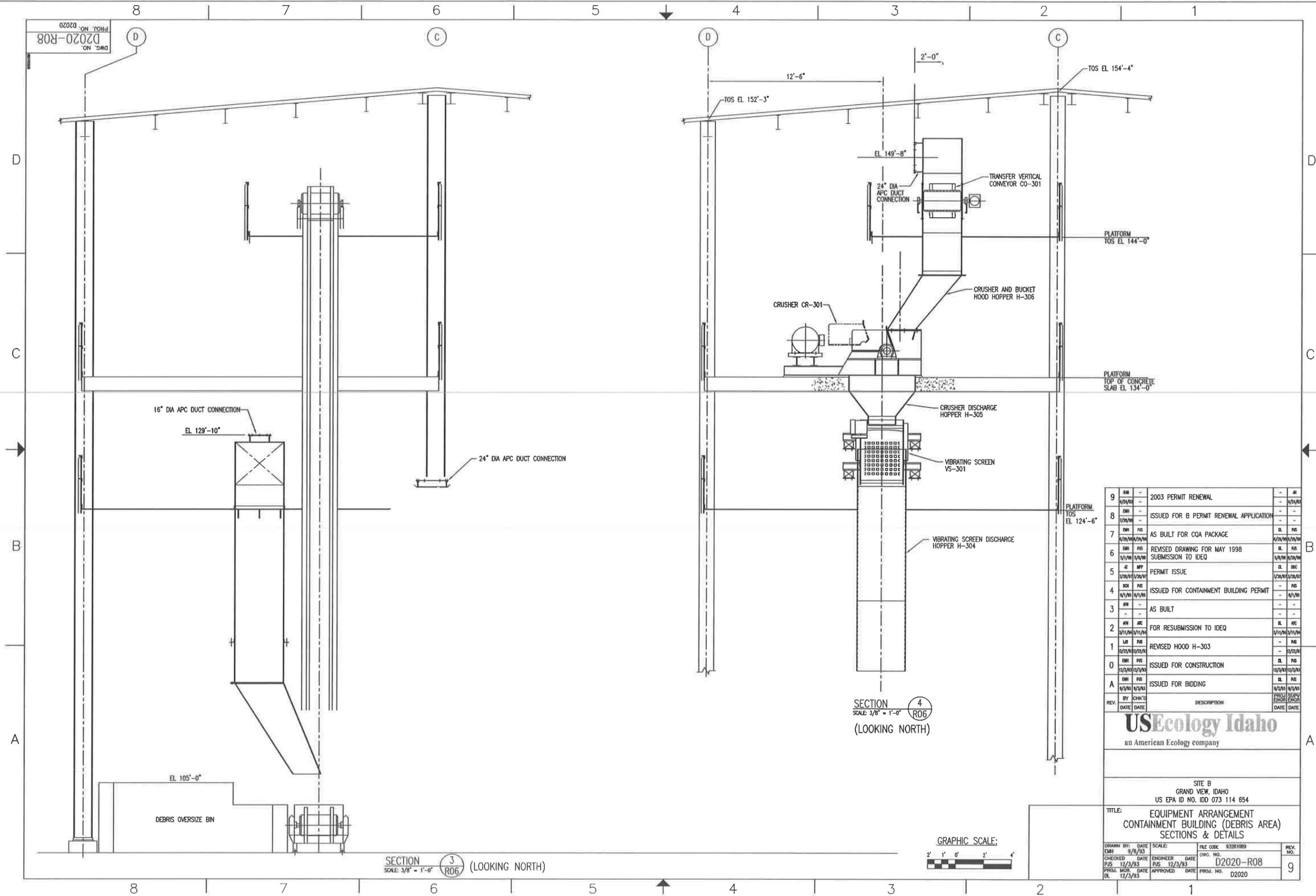
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SITE B  
 GRAND VIEW, IDAHO  
 US EPA ID NO. IDD 073 114 654

TITLE: EQUIPMENT ARRANGEMENT  
 CONTAINMENT BUILDING (DEBRIS AREA)  
 SECTIONS

DRAWN BY:	DATE:	SCALE:	FILE CODE:	REV. NO.:
EMH	9/2/93		933R1076	6
CHECKED:	DATE:	ENGINEER:	DATE:	DWG. NO.:
PJS	12/3/93	PJS	12/3/93	D2020-R07
PROJ. MGR.:	DATE:	APPROVED:	DATE:	PROJ. NO.:
DL	12/3/93	PJS	3/11/94	D2020

DWG. NO. D2020-R08  
 PROJ. NO. 02020



16" DIA APC DUCT CONNECTION

EL 129'-10"

24" DIA APC DUCT CONNECTION

EL 105'-0"

DEBRIS OVERSIZE BIN

TOS EL 152'-3"

CRUSHER CR-301

TRANSFER VERTICAL CONVEYOR CO-301

PLATFORM TOS EL 144'-0"

CRUSHER AND BUCKET HOOD HOPPER H-306

PLATFORM TOP OF CONCRETE SLAB EL 134'-0"

CRUSHER DISCHARGE HOPPER H-305

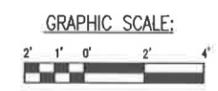
VIBRATING SCREEN VS-301

PLATFORM TOS EL 124'-6"

VIBRATING SCREEN DISCHARGE HOPPER H-304

SECTION 4  
 SCALE: 3/8" = 1'-0"  
 (LOOKING NORTH)

SECTION 3  
 SCALE: 3/8" = 1'-0"  
 (LOOKING NORTH)



REV.	BY	CHK'D	DATE	DESCRIPTION	PROJ. SUPV	ENGR	DATE
9	EM	-	4/24/98	2003 PERMIT RENEWAL	-	-	4/24/98
8	EM	-	1/29/98	ISSUED FOR B PERMIT RENEWAL APPLICATION	-	-	-
7	EM	NS	4/29/96/2/9/98	AS BUILT FOR COA PACKAGE	DL	NS	4/29/96/2/9/98
6	EM	NS	5/1/98	REVISED DRAWING FOR MAY 1998 SUBMISSION TO IDEQ	DL	NS	5/1/98
5	EM	NS	1/29/97/12/29/97	PERMIT ISSUE	DL	NS	1/29/97/12/29/97
4	EM	NS	4/1/95	ISSUED FOR CONTAINMENT BUILDING PERMIT	-	NS	4/1/95
3	EM	-	-	AS BUILT	-	-	-
2	EM	NS	3/11/94/3/11/94	FOR RESUBMISSION TO IDEQ	DL	NS	3/11/94/3/11/94
1	EM	NS	12/12/93/12/22/93	REVISED HOOD H-303	-	NS	12/22/93
0	EM	NS	12/3/93/12/3/93	ISSUED FOR CONSTRUCTION	DL	NS	12/3/93/12/3/93
A	EM	NS	4/3/93	ISSUED FOR BIDDING	DL	NS	4/3/93

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 GRAND VIEW, IDAHO  
 US EPA ID NO. IDD 073 114 654

TITLE: EQUIPMENT ARRANGEMENT  
 CONTAINMENT BUILDING (DEBRIS AREA)  
 SECTIONS & DETAILS

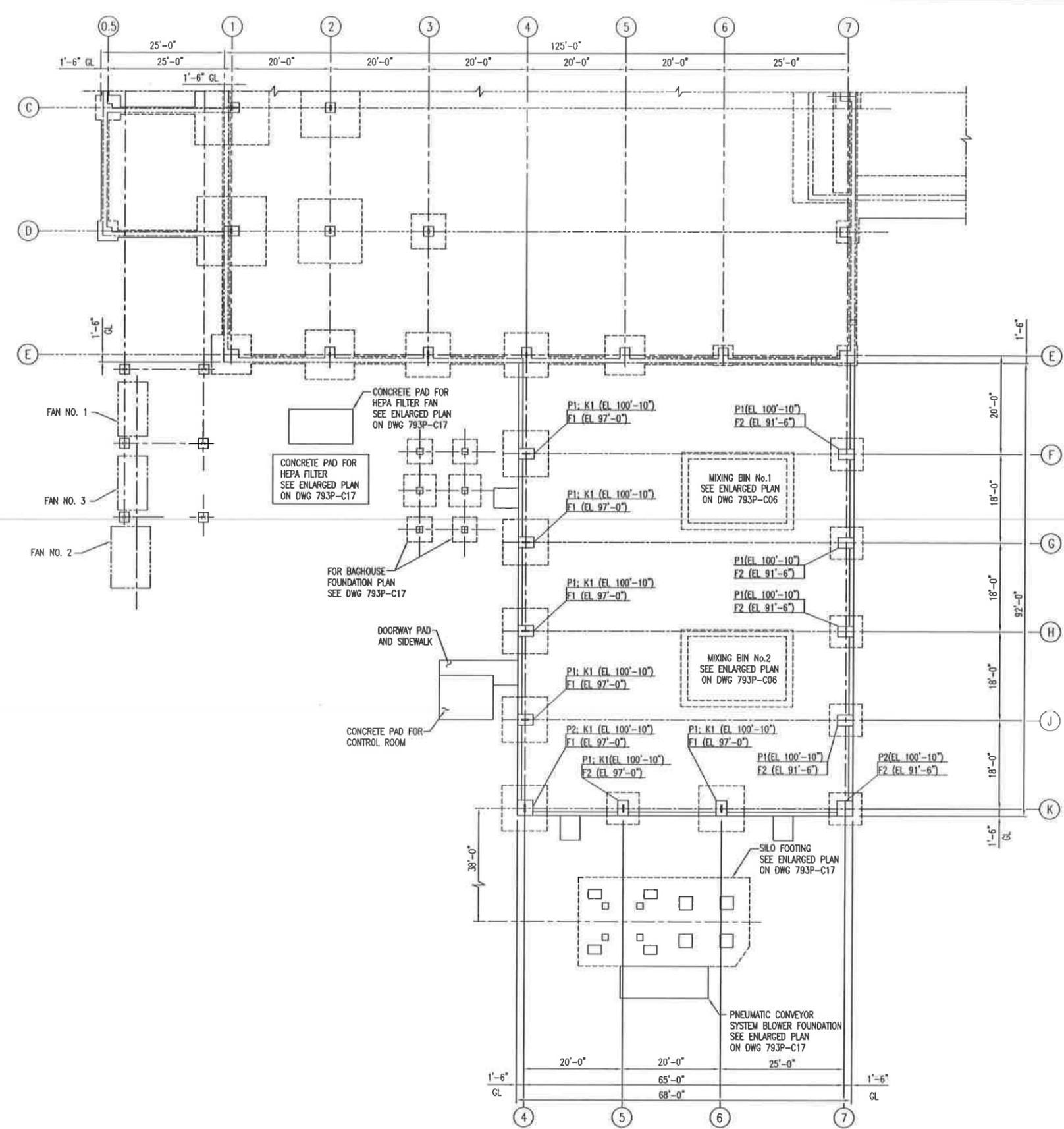
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CHECKED	DATE	ENGINEER	DATE	DWG. NO.
PJS	12/3/93	PJS	12/3/93	D2020-R08
PROJ. MGR.	DATE	APPROVED	DATE	PROJ. NO.
DL	12/3/93			D2020

May 2014 USEI Permit  
Application Section  
Reference

Drawing Number	Drawing Title	Reference
Containment Building (Stabilization Area)		
793P-C05	Civil Containment Building (Stabilization Area) Foundation Plan	D, I
793P-C06	Civil - Containment Building (Stabilization Area) Foundation Plan @ Mixing Bins	D, I
793P-C07	Civil Containment Building (Stabilization Area) Liner Plan	D, I
793P-C08	Civil Containment Building (Stabilization Area) Slab Plan	D, I
793P-C09	Civil Containment Building (Stabilization Area) Foundation Sections and Details - Sheet 1	D
793P-C12	Containment Building (Stabilization Area) Typical Mixing Bin Sections and Details	D
793P-C13	Civil - Containment Building (Stabilization Area) Mixing Bin Sections	D, I
793P-C14	Civil - Containment Building (Stabilization Area) Section and Details	D, I
793P-C15	Civil - Containment Building (Stabilization Area) Slab Sections and Details	D, I
793P-C16	Civil - Containment Building (Stabilization Area) Miscellaneous Sections and Details	D
793P-C17	Civil - Containment Building (Stabilization Building) Equipment Foundations Plan	I
793P-G01	Air and Process Water System Containment Building (Stabilization Area) Plan View and Section	D, I
793P-H01	Air Pollution Control System Containment Building (Stabilization Area) Plan View and Section	D, I
793P-P03	Typical Schematic Flow Diagram Air Pollution Control System Containment Building (Stabilization Area)	D
793P-P04	Typical Schematic Flow Diagram Containment Building (Stabilization Area) Process Water System	D
793P-R01	Typical Equipment Arrangement Containment Building (Stabilization Area) Floor Plan	D, I
793P-R02	Typical Equipment Arrangement Containment Building (Stabilization Area) Elevations	D, I
PRMI-D04	Civil - Containment Building (Stabilization Building) Typical Storm Drain Profiles and Details	General Information
PRMI-R31	General Arrangement Containment Building (Stabilization Area) Typical Plan - Sheet 1	D, I
PRMI-R32	General Arrangement Containment Building (Stabilization Area) Typical Plan - Sheet 2	D, I
PRMI-R33	General Arrangement Containment Building (Stabilization Area) Typical Sections Sheet 1	D, I
PRMI-R34	General Arrangement Containment Building (Stabilization Area) Typical Sections Sheet 2	D, I
PRMI-R35	General Arrangement Containment Building (Stabilization Area) Typical Sections Sheet 3	D, I

PROJ. NO. PRM  
793P-C05  
DWG. NO.

REFERENCE DRAWINGS	
DWG NO	TITLE
C01	GENERAL NOTES & LEGEND
C06	SB - FOUNDATION PLAN & MIXING BINS
C07	SB - LINER PLAN
C08	SB - SLAB PLAN
C09	SB - FOUNDATIONS SECTIONS & DETAILS
C10	SB - MIXING BIN LINER PLATE - SECTIONS & DETAILS
C11	SB - MIXING BIN LINER PLATE - SECTIONS & DETAILS
C12	SB - MIXING BIN - SECTIONS & DETAILS
C13	SB - MIXING BINS SECTIONS & DETAILS
C14	SB - MIXING BINS SECTIONS & DETAILS
C15	SB - SLAB SECTIONS & DETAILS
C16	SB - SLAB SECTIONS & DETAILS
C17	SB - EQUIPMENT FOUNDATION PLANS
C18	SB - WATER TANK FOUNDATION PLAN



**SHEAR KEY SCHEDULE**  
(SEE DETAILS ON DWG NO. 793P-C09)

MARK	TYPE	DIMENSIONS		REMARKS
		X	Y	
K1	1	12"	3" 5"	

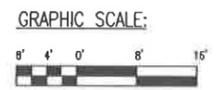
**PIER SCHEDULE**  
(SEE DETAIL ON DWG NO. 793P-C09)

MARK	TYPE	DIMENSIONS		REINFORCING		REMARKS
		A	B	VERT	TIES	
P1	B	3'-2"	2'-2"	8/8	#4@12	
P2	A	3'-2"	3'-2"	8/8	#4@12	

**COLUMN FOOTING SCHEDULE**  
(SEE DETAIL ON DWG NO. 793P-C09)

MARK	SIZE			REINFORCING		REMARKS
	L	W	T	BOTTOM	TOP	
F1	9'-3"	9'-3"	2'-0"	#8@12	#8@12	
F2	6'-6"	6'-6"	1'-6"	#8@12	#8@12	

FOUNDATION PLAN  
SCALE: 3/32"=1'-0"



REV.	BY	CHK'D	DATE	DATE	DESCRIPTION	DATE	DATE
E	AM	-	-	-	2003 PERMIT RENEWAL	-	AI
D	DBB	-	-	-	ISSUED FOR B PERMIT RENEWAL APPLICATION	-	NS
C	DMR	RS	4/21/98	4/21/98	AS BUILT FOR COA PACKAGE	4/21/98	RS
B	Z	RS	3/1/98	3/1/98	REVISED DRAWING FOR MAY 1998 SUBMISSION TO IDEQ	3/1/98	RS
A	Z	MP	12/21/97	12/21/97	ESII PERMIT ISSUE	12/21/97	RS

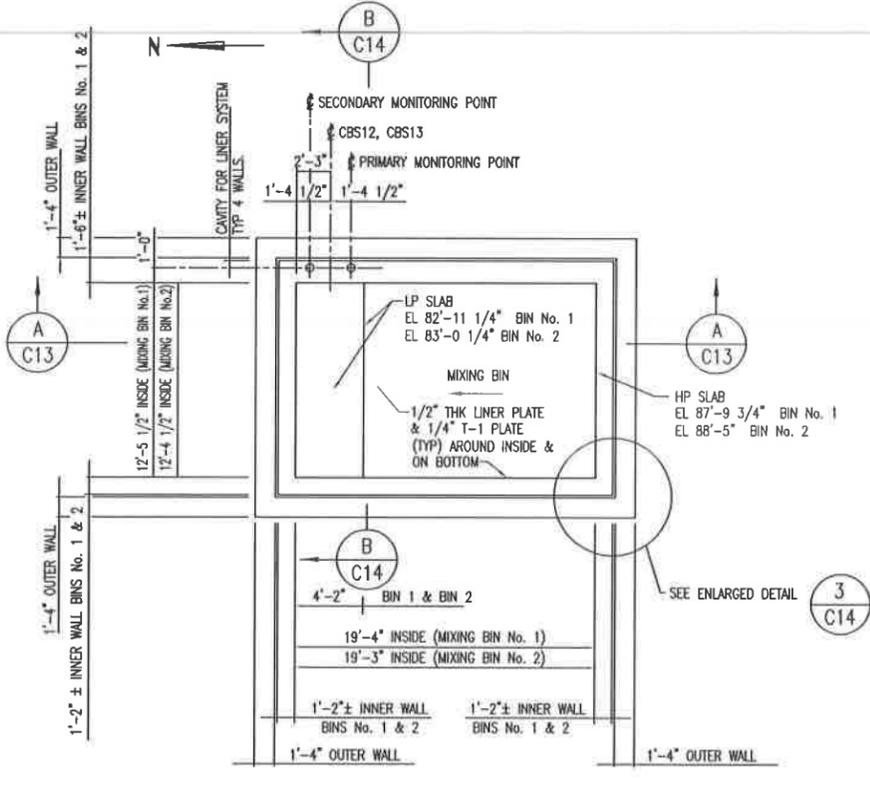
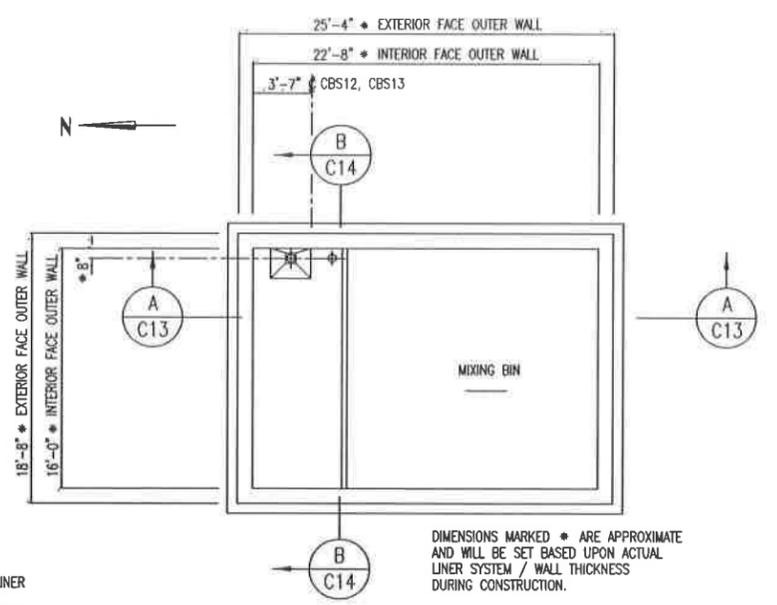
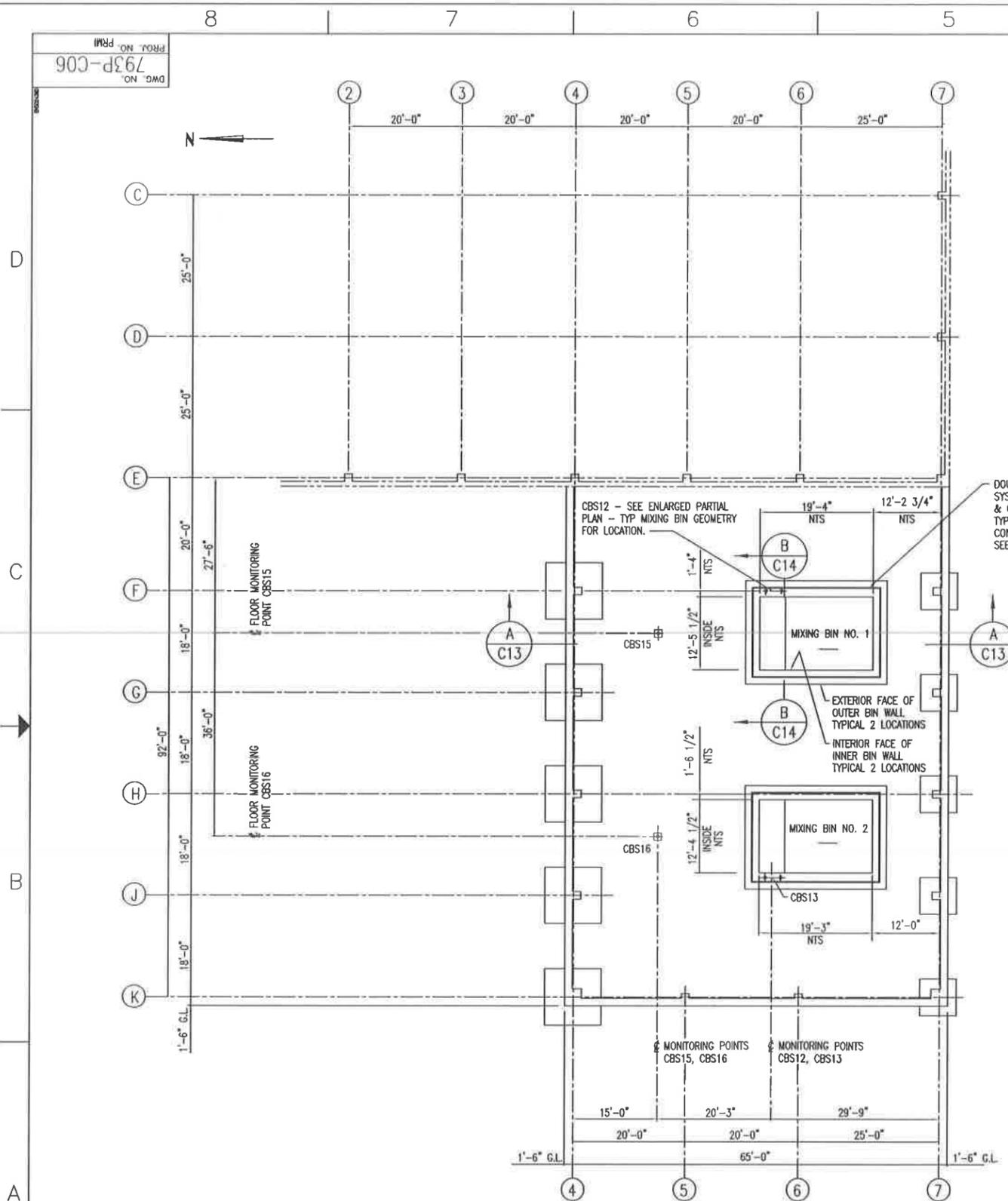
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GRAND VIEW, IDAHO  
US EPA ID NO. IDD 073 114 654

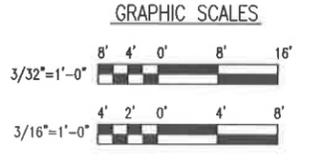
TITLE: CIVIL CONTAINMENT BUILDING (STABILIZATION AREA) FOUNDATION PLAN			
DRAWN BY: JZ	DATE: 4/21/98	SCALE: 3/32"=1'-0"	FILE CODE: PRM
CHECKED: JZ	DATE: 4/21/98	ENGINEER: JZ	DATE: 4/21/98
PROJ. MGR: JZ	DATE: 4/21/98	APPROVED: JZ	DATE: 4/21/98
DWG. NO.: 793P-C05		REV. NO.: E	

PROJ. NO. 793P-C06  
 DWG. NO. 793P-C06

REFERENCE DRAWINGS	
DWG NO.	TITLE
C01	GENERAL NOTES & LEGEND
C05	SB - FOUNDATION PLAN
C06	SB - FOUNDATION PLAN @ MIXING BINS
C07	SB - LINER PLAN
C08	SB - SLAB PLAN
C09	SB - FOUNDATIONS SECTIONS & DETAILS
C10	SB - MIXING BIN LINER PLATE - SECTIONS & DETAILS
C11	SB - MIXING BIN LINER PLATE - SECTIONS & DETAILS
C12	SB - MIXING BIN - SECTIONS & DETAILS
C13	SB - MIXING BINS SECTIONS & DETAILS
C14	SB - MIXING BINS SECTIONS & DETAILS
C15	SB - SLAB SECTIONS & DETAILS
C16	SB - SLAB SECTIONS & DETAILS
C17	SB - EQUIPMENT FOUNDATION PLANS
C18	SB - WATER TANK FOUNDATION PLAN



NOTE:  
 PERIMETER BLDG WALLS AND FOOTINGS SHOWN FOR REFERENCE ONLY. SEE DRAWING C05 FOR FOUNDATION PLAN AND APPLICABLE REFERENCES.



REV.	DATE	DESCRIPTION	BY	CHK'D	DATE	DATE
E	4/22/03	2003 PERMIT RENEWAL				4/22/03
D	1/28/98	ISSUED FOR B PERMIT RENEWAL APPLICATION				
C	4/28/94/2/98	AS BUILT FOR COA PACKAGE				4/28/94/2/98
B	3/1/98	REVISED DRAWING FOR MAY 1998 SUBMISSION TO 10EQ				5/8/98
A	1/28/97	ESII PERMIT ISSUE				1/28/97

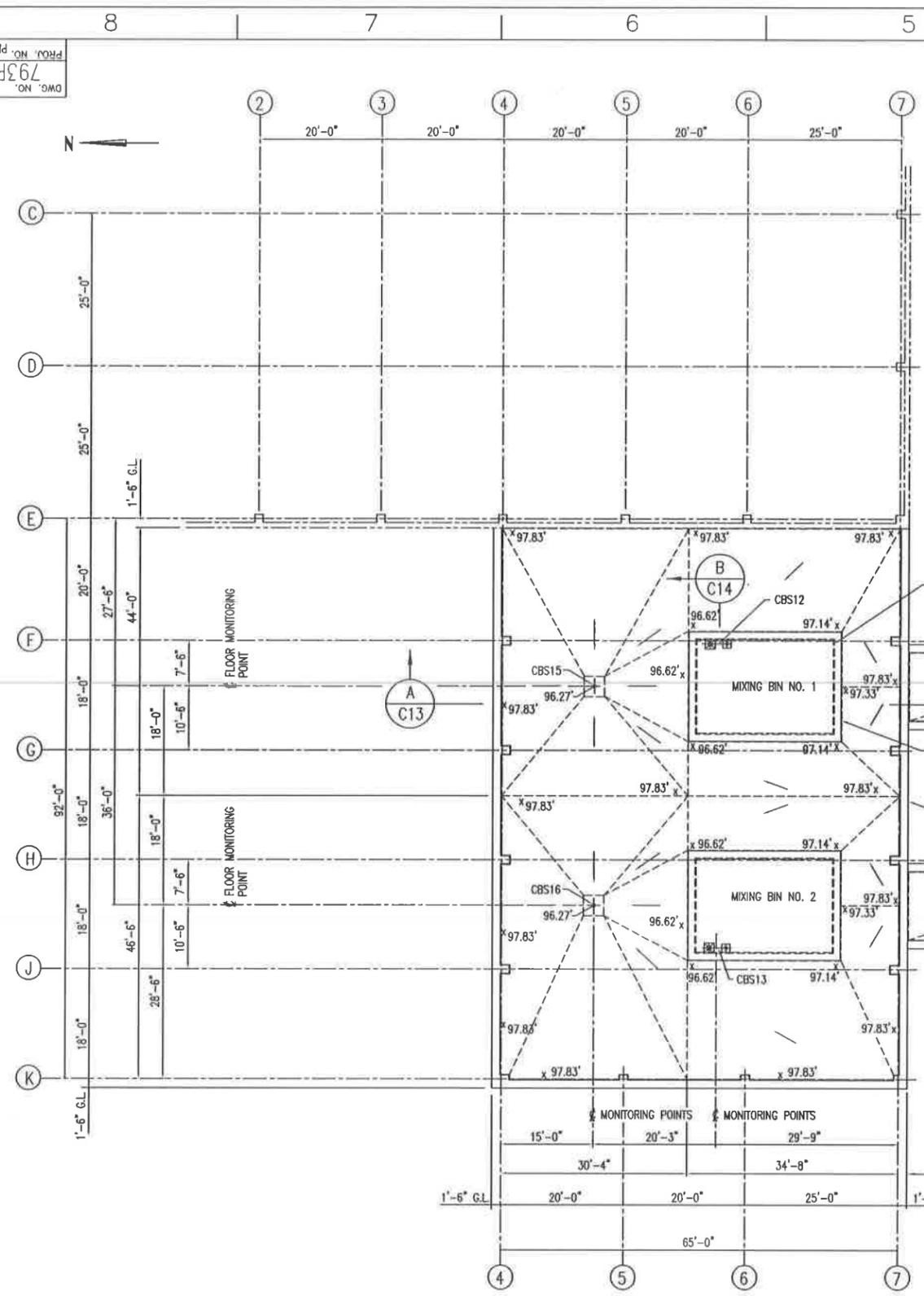
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SITE B  
 GRAND VIEW, IDAHO  
 US EPA ID NO. IDD 073 114 654

TITLE:  
 CIVIL  
 CONTAINMENT BUILDING (STABILIZATION AREA)  
 FOUNDATION PLAN @ MIXING BINS

DRWN BY:	DATE:	SCALE:	FILE CODE:	PRMCDR:	REV. NO.:
TLZ					
CHECKED:	DATE:	ENGINEER:	DATE:	DWG. NO.:	
				793P-C06	
PROJ. MGR.:	DATE:	APPROVED:	DATE:	PROJ. NO.:	PRM:

DWG. NO. 793P-C07  
 PROJ. NO. PRM1



LEGEND:  
 --- DENOTES EDGES OF HDPE LINER  
 x 97.83' DENOTES LINER ELEVATION

NOTE: PERIMETER BLDG WALLS AND FOOTINGS SHOWN FOR REFERENCE ONLY. SEE DRAWING C05 FOR FOUNDATION PLAN AND APPLICABLE REFERENCES.



ENLARGED PARTIAL PLAN - LINER BELOW TRUCK APRON

DWG NO.	TITLE
C01	GENERAL NOTES & LEGEND
C05	FOUNDATION PLAN
C06	FOUNDATION PLAN @ MIXING BINS
C08	SLAB PLAN
C13	MIXING BIN SECTIONS & DETAILS
C14	MIXING BIN SECTIONS & DETAILS
C15	SLAB SECTION & DETAILS

REV.	BY	CHK'D	DATE	DESCRIPTION	DATE	DATE
E	TLZ		1/1/03	2003 PERMIT RENEWAL		1/1/03
D	TLZ		1/29/03	ISSUED FOR B PERMIT RENEWAL APPLICATION		
C	TLZ	PLS	4/29/03	AS BUILT FOR COA PACKAGE	4/29/03	4/29/03
B	TLZ	PLS	1/1/03	REVISED DRAWING FOR MAY 1998 SUBMISSION TO IDEQ	1/1/03	1/1/03
A	TLZ	MP	1/29/01	ESI PERMIT ISSUE	1/29/01	1/29/01

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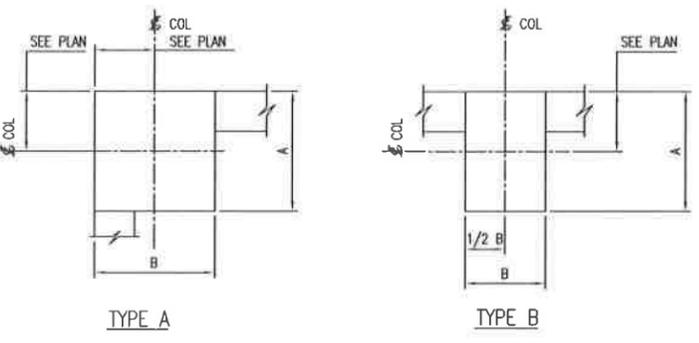
SITE B  
 GRAND VIEW, IDAHO  
 US EPA ID NO. IDD 073 114 654

TITLE: CIVIL  
 CONTAINMENT BUILDING (STABILIZATION AREA)  
 LINER PLAN

DRAWN BY:	DATE:	SCALE:	FILE CODE:	PRM007E	REV. NO.:
TLZ			DWG. NO.	793P-C07	E
CHECKED:	DATE:	ENGINEER:	DATE:		
PROJ. MGR.:	DATE:	APPROVED:	DATE:	PROJ. NO. PRM1	

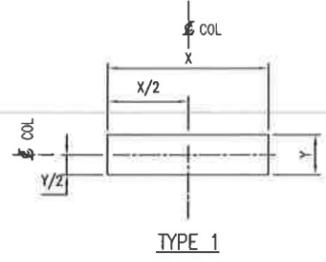


DWG. NO. 793P-C09  
PRJ. NO. 600



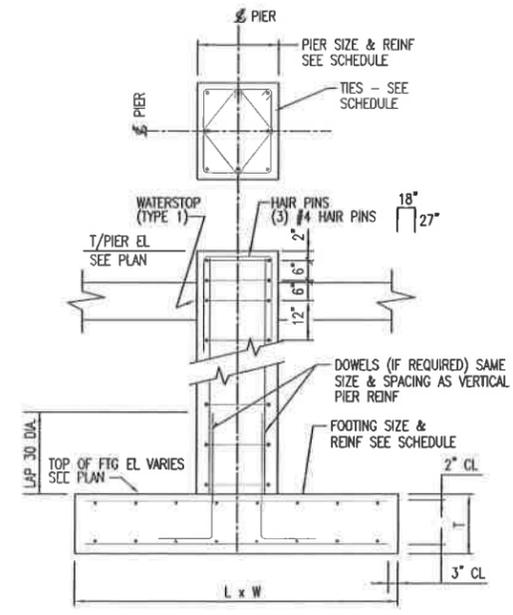
**PIER TYPE DETAILS**  
SCALE: NONE

- SEE PLAN FOR ORIENTATION.
- SEE SCHEDULE ON DWG NO. 793P-C05.
- CHAMFER EXPOSED VERTICAL CORNERS.
- FOR ANCHOR BOLT LOCATION, SEE DWG NO. 793P-S06.
- CONTINUE THE HORIZONTAL BARS FROM THE PERIMETER WALL THRU THE PIER.



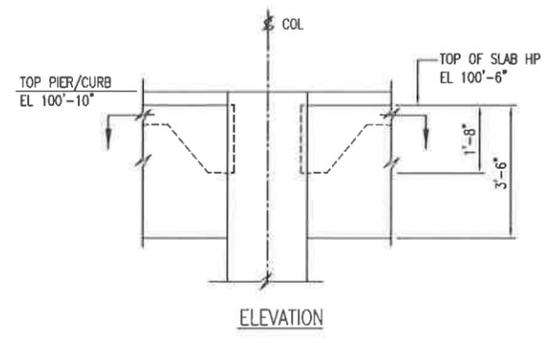
**SHEAR KEY TYPE DETAILS**  
SCALE: NONE

- SEE PLAN FOR ORIENTATION.
- SEE SCHEDULE ON DWG NO. 793P-C05.

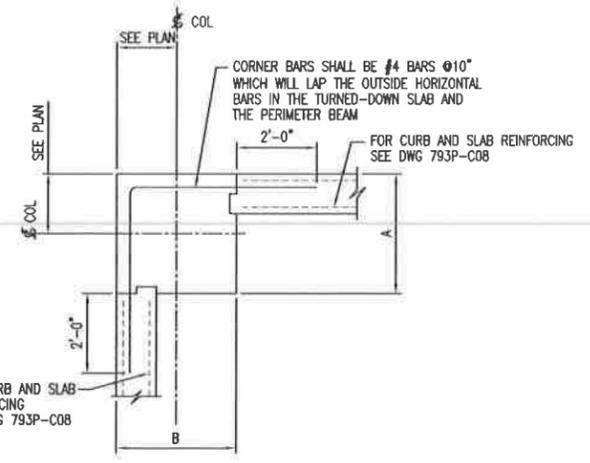


**TYPICAL COLUMN FOOTING & PIER DETAIL**  
SCALE: NONE

- SEE SCHEDULES ON DWG NO. 793P-C05.



**SHEAR KEY DETAIL**  
SCALE: NONE

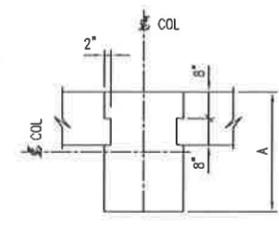


**CORNER BAR DETAIL @ K4 & K7**  
SCALE: NONE

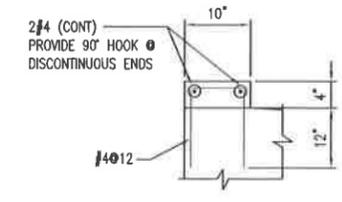


**PIER REINFORCING DETAILS**  
SCALE: NONE

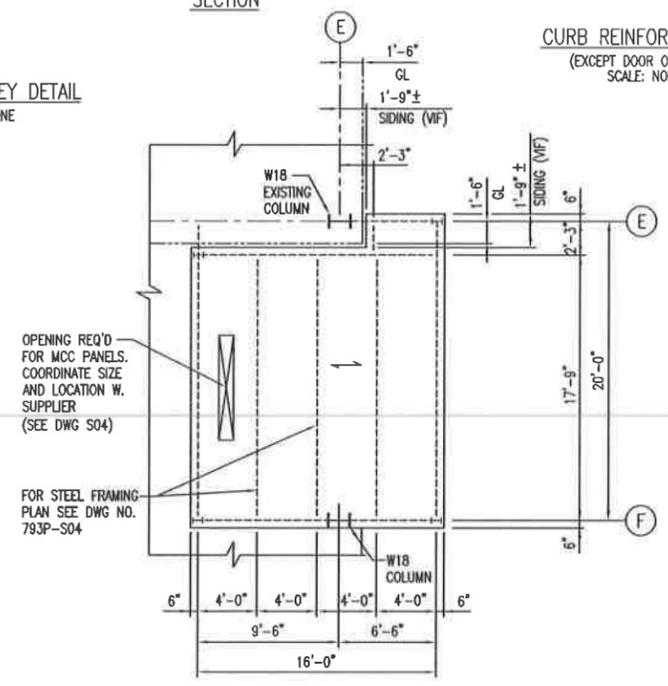
- SEE SCHEDULE ON DWG NO. 793P-C05.



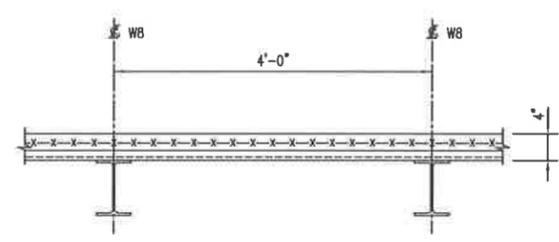
**SECTION**



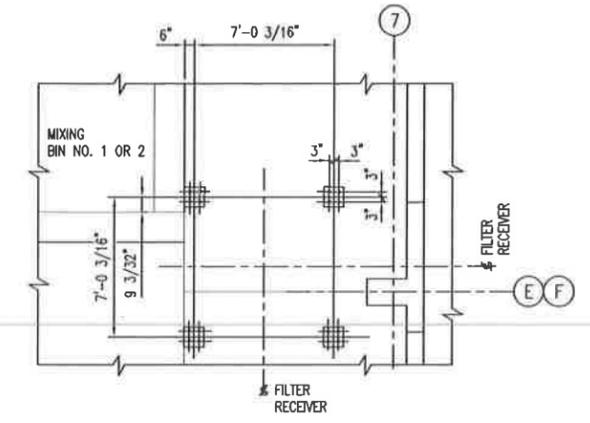
**CURB REINFORCING DETAIL**  
(EXCEPT DOOR OPENINGS)  
SCALE: NONE



**EQUIPMENT ROOM SLAB PLAN**  
TOC EL 124'-10" (UN)



**EQUIPMENT ROOM SLAB DETAILS**

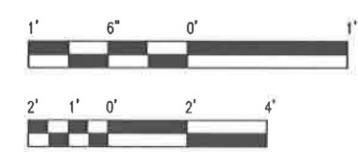


**ENLARGED PARTIAL PLAN**



**PIER REINFORCING DETAIL**  
NOTES:  
1. DRILL AND EPOXY GROUT (4) #6 VERTICAL BARS INTO FLOOR SLAB - EMB 8" (MIN).  
2. PLACE FIRST HORIZONTAL TIE 2" FROM TOP OF PIER.  
3. CHAMFER (3/4"x3/4") CORNERS.  
4. TOP OF PIER EL 101'-4".  
5. ANCHOR BOLTS SHALL BE PROVIDED BY EQUIPMENT MANUFACTURER.

GRAPHIC SCALES:



REFERENCE DRAWINGS	
DWG NO.	TITLE
C01	GENERAL NOTES & LEGEND
C05	SB - FOUNDATION PLAN
C06	SB - FOUNDATION PLAN @ MIXING BINS
C07	SB - LINER PLAN
C08	SB - SLAB PLAN
C10	SB - MIXING BIN LINER PLATE - SECTIONS & DETAILS
C11	SB - MIXING BIN LINER PLATE - SECTIONS & DETAILS
C12	SB - MIXING BIN - SECTIONS & DETAILS
C13	SB - MIXING BINS SECTIONS & DETAILS
C14	SB - MIXING BINS SECTIONS & DETAILS
C15	SB - SLAB SECTIONS & DETAILS
C16	SB - SLAB SECTIONS & DETAILS
C17	SB - EQUIPMENT FOUNDATION PLANS
C18	SB - WATER TANK FOUNDATION PLAN

REV.	BY	CHKD	DATE	DESCRIPTION	DATE	DATE
E	AM	-	1/15/03	2003 PERMIT RENEWAL	-	1/15/03
D	DM	-	1/17/03	ISSUED FOR B PERMIT RENEWAL APPLICATION	-	-
C	BM	RS	1/20/03	AS BUILT FOR COA PACKAGE	1/20/03	1/20/03
B	Z	RS	5/1/00	REVISED DRAWING FOR MAY 1998 SUBMISSION TO IDEQ	5/1/00	5/1/00
A	Z	RF	1/20/01	ESII PERMIT ISSUE	1/20/01	1/20/01

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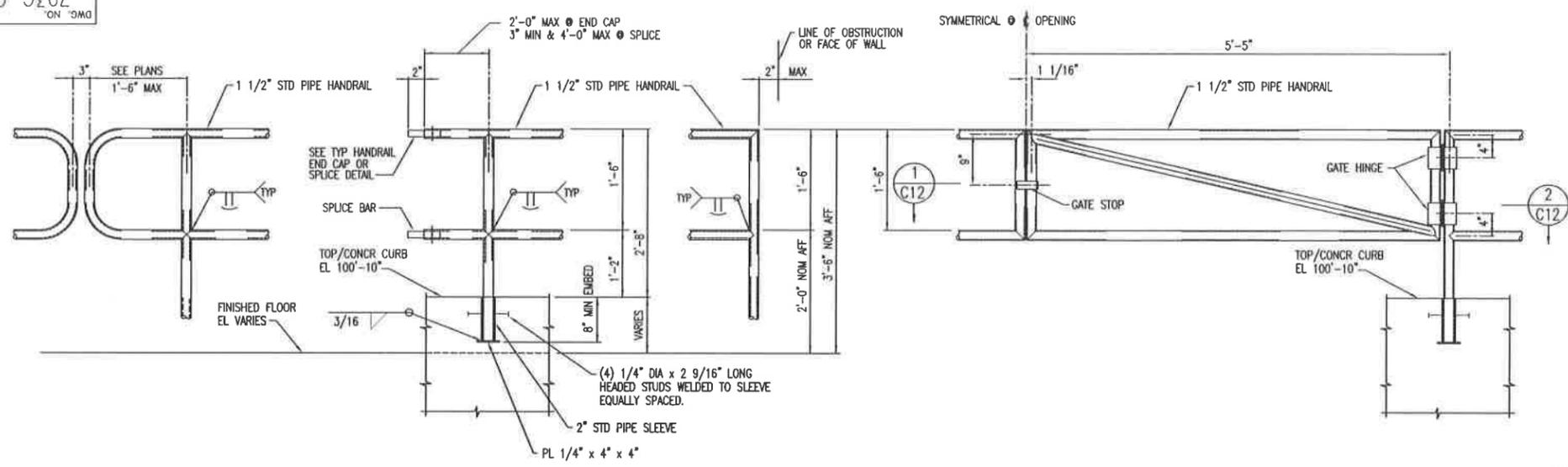
SITE B  
GRAND VIEW, IDAHO  
US EPA ID NO. IDD 073 114 654

TITLE: CIVIL  
CONTAINMENT BUILDING (STABILIZATION AREA)  
FOUNDATION SECTIONS AND DETAILS - SHT 1

DRAWN BY:	DATE:	SCALE:	FILE CODE:	PRJ/CODE:	REV. NO.:
IZ			DWG. NO.	793P-C09	E
CHECKED:	DATE:	ENGINEER:	DATE:	PROJ. MGR.:	DATE:
				APPROVED:	DATE:

PROJ. NO. 793C  
 DWG. NO. 793C-C12

REFERENCE DRAWINGS	
DWG. NO.	TITLE
C01	GENERAL NOTES & LEGEND
C05	FOUNDATION PLAN
C06	FOUNDATION PLAN @ MIXING BINS
C07	LINER PLAN
C08	SLAB PLAN
C10	MIXING BIN LINER PLATE SECTIONS & DETAILS
C11	MIXING BIN LINER PLATE SECTIONS & DETAILS
C13	MIXING BIN SECTIONS & DETAILS
C14	MIXING BIN SECTIONS & DETAILS
C15	SLAB SECTIONS & DETAILS
C16	MISCELLANEOUS SECTIONS & DETAILS

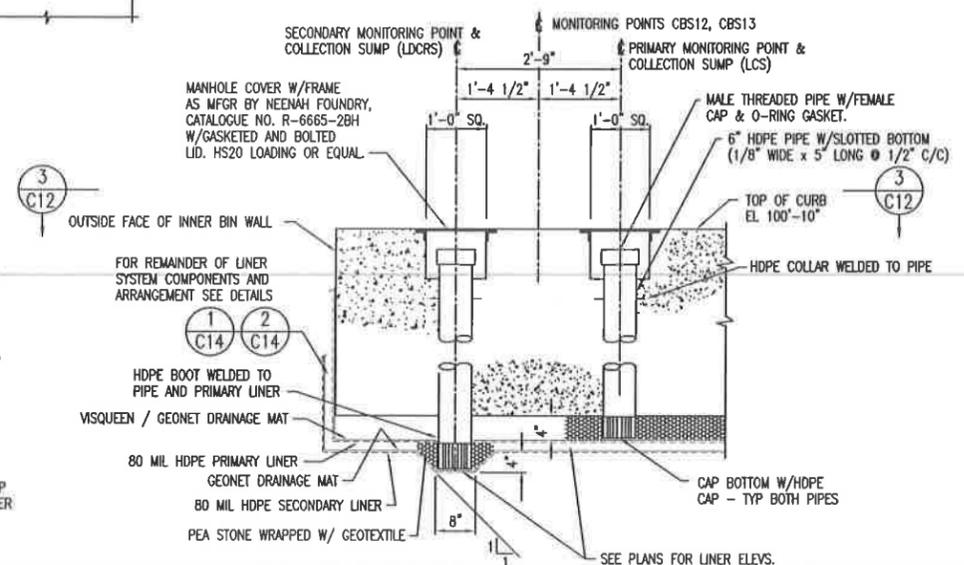


"P" END TERMINATION  
 SCALE: 1" = 1'-0"

PIPE HANDRAIL W/ EMBEDDED SLEEVE  
 SCALE: 1" = 1'-0"

SQUARE END TERMINATION  
 SCALE: 1" = 1'-0"

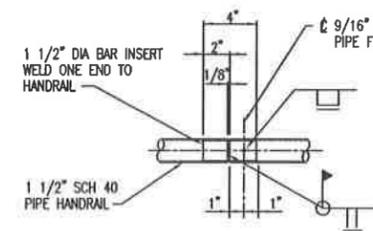
SWINGING GATE ARRANGEMENT  
 SCALE: 1" = 1'-0"



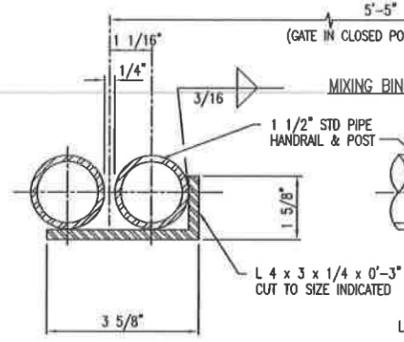
CONTAINMENT MONITORING SUMP @ MIXING BINS  
 SCALE: 3/4" = 1'-0"



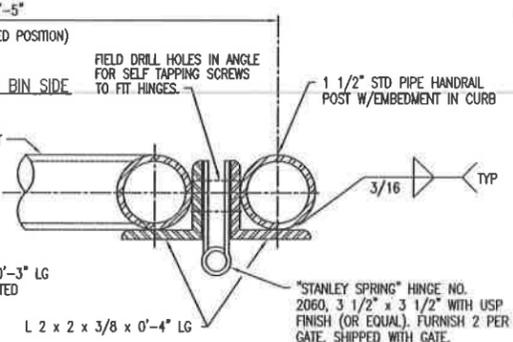
END CAP DETAIL  
 SCALE: 2" = 1'-0"



HANDRAIL SPLICE DETAIL  
 SCALE: 2" = 1'-0"

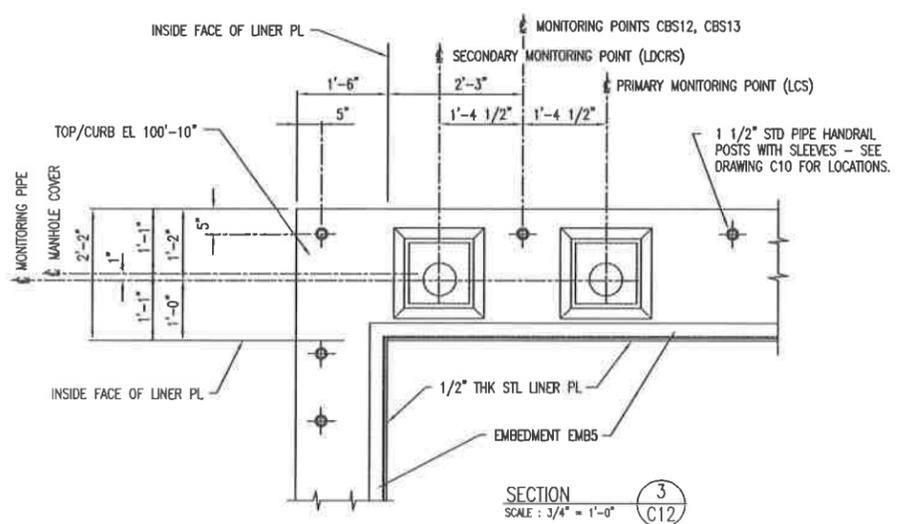


SECTION 1  
 SCALE: HALF SCALE



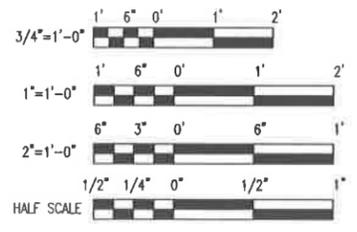
SECTION 2  
 SCALE: HALF SCALE

HANDRAIL & GATE DETAILS  
 SCALE: AS INDICATED



SECTION 3  
 SCALE: 3/4" = 1'-0"

GRAPHIC SCALES



REV.	BY	CHK'D	DATE	DESCRIPTION	DATE	DATE
4	AM	-	5/5/03	2003 PERMIT RENEWAL	-	4/1
3	DB	-	-	ISSUED FOR B PERMIT RENEWAL APPLICATION	-	5/1/03
2	DB	PAS	01/28/03	AS BUILT FOR COA PACKAGE	DL	PAS
1	AL	AKC	03/31/97	REVISED GATE DIMENSIONS	DL	AKC
0	TLZ	MP	06/06/97	ISSUED FOR CONSTRUCTION	DL	OC
A	TLZ	MP	06/01/97	ISSUED FOR BID	DL	OC

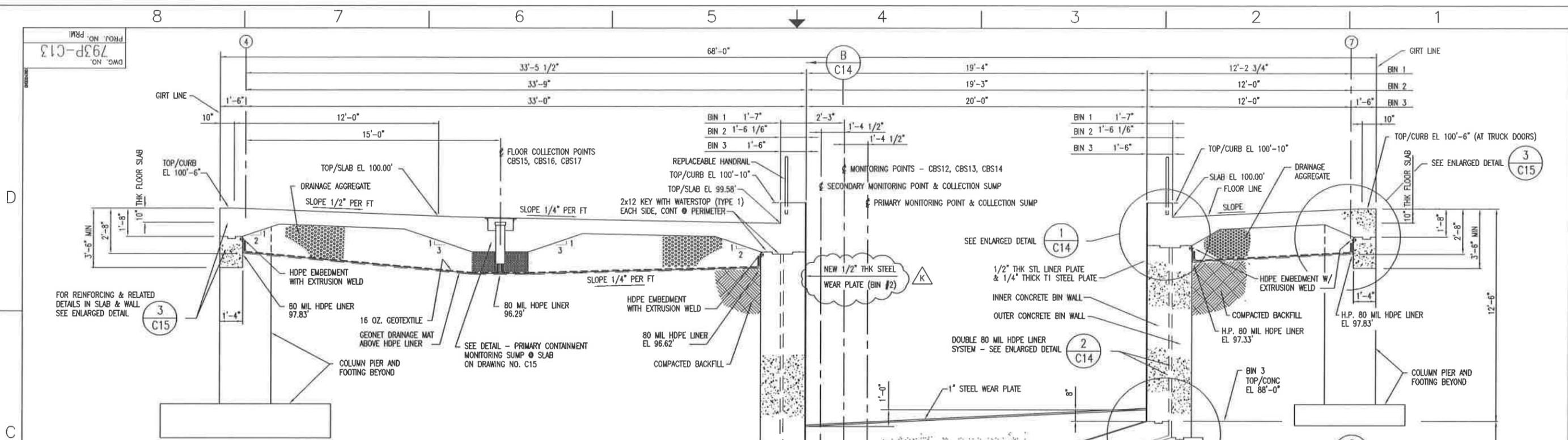
**USEcology Idaho**  
 an American Ecology company

SITE B  
 GRAND VIEW, IDAHO  
 US EPA ID NO. IDD 073 114 654

TITLE:  
 CIVIL  
 CONTAINMENT BUILDING (STABILIZATION AREA)  
 TYPICAL MIXING BIN SECTIONS & DETAILS

DATE	SCALE	FILE CODE	REV. NO.
4/14/97	1/2"	A21C0284	4
DATE	ENGINEER	DATE	DWG. NO.
DATE	DATE	DATE	793C-C12
DATE	APPROVED	DATE	PROJ. NO.
DATE	DATE	DATE	793C

PROJ. NO. 793P-C13  
DWG. NO. 793P-C13



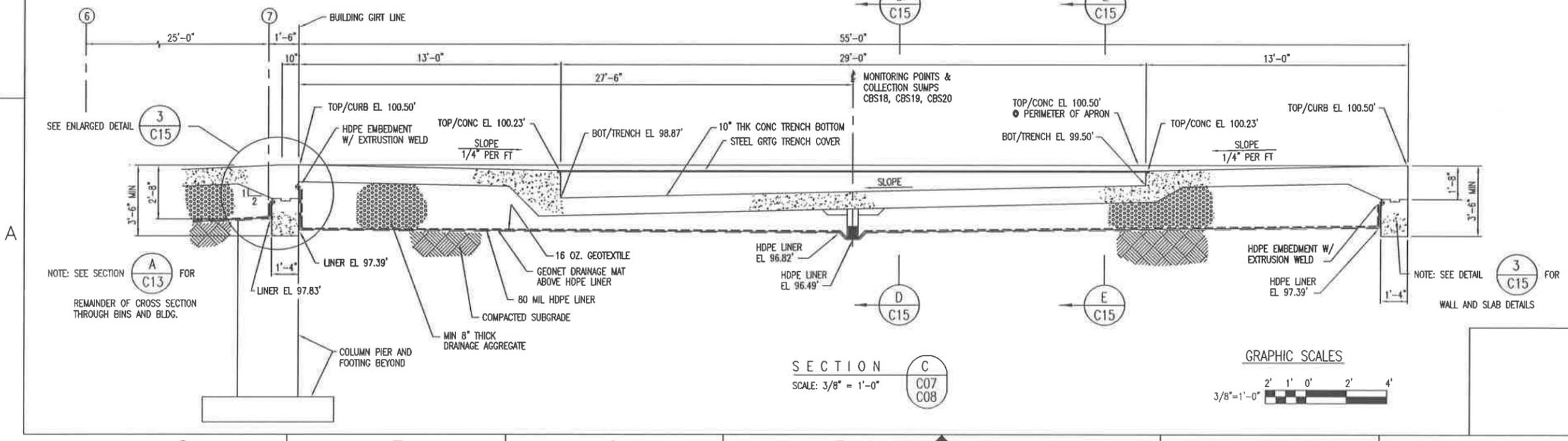
SECTION A  
SCALE: 3/8" = 1'-0"

DWG NO.	TITLE
C01	GENERAL NOTES & LEGEND
C05	SB - FOUNDATION PLAN
C06	SB - FOUNDATION PLAN • MIXING BINS
C07	SB - LINER PLAN
C08	SB - SLAB PLAN
C09	SB - FOUNDATIONS SECTIONS & DETAILS
C10	SB - MIXING BIN LINER PLATE - SECTIONS & DETAILS
C11	SB - MIXING BIN LINER PLATE - SECTIONS & DETAILS
C12	SB - MIXING BIN - SECTIONS & DETAILS
C14	SB - MIXING BINS SECTIONS & DETAILS
C15	SB - SLAB SECTIONS & DETAILS
C16	SB - SLAB SECTIONS & DETAILS
C17	SB - EQUIPMENT FOUNDATION PLANS
C18	SB - WATER TANK FOUNDATION PLAN

BIN 1 TOP/CONC EL. 82'-11 1/4"  
BIN 2 TOP/CONC EL. 83'-0 1/4"  
BIN 3 TOP/CONC EL. 83'-0"

BIN 1 TOP/CONC EL. 87'-9 3/4"  
BIN 2 TOP/CONC EL. 88'-5"

NOTE: SEE SECTION C C13 FOR  
REMAINDER OF CROSS SECTION  
THROUGH TRUCK APRON



SECTION C  
SCALE: 3/8" = 1'-0"

NOTE: SEE SECTION A C13 FOR  
REMAINDER OF CROSS SECTION  
THROUGH BINS AND BLDG.

NOTE: SEE DETAIL 3 C15 FOR  
WALL AND SLAB DETAILS

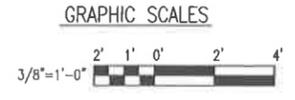
REV.	DATE	DESCRIPTION	BY	CHK'D	DATE	DATE
L	4/22/03	2003 PERMIT RENEWAL				4/22/03
K	4/2/01	REVISED DRAWING FOR MAY 1998 SUBMISSION TO IDEQ				4/2/01
J	4/2/01	REPLACED STEEL WEAR PLATE-BIN#2				4/2/01
H	4/2/01	AS BUILT FOR BIN 2				4/2/01
G	4/15/00	AS BUILT FOR BIN 1				4/15/00
F	4/15/00	ADDED NEW BOTTOM WEAR PLATE				4/15/00
E	4/28/98	ISSUED FOR B PERMIT RENEWAL APPLICATION				4/28/98
D	4/28/98	AS BUILT FOR CQA PACKAGE				4/28/98
C	4/1/98	REVISED DRAWING FOR MAY 1998 SUBMISSION TO IDEQ				4/1/98
B	4/4/97	ESII NOD RESPONSE				4/4/97
A	1/28/97	ESII PERMIT ISSUE				1/28/97

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SITE B  
GRAND VIEW, IDAHO  
US EPA ID NO. IDD 073 114 654

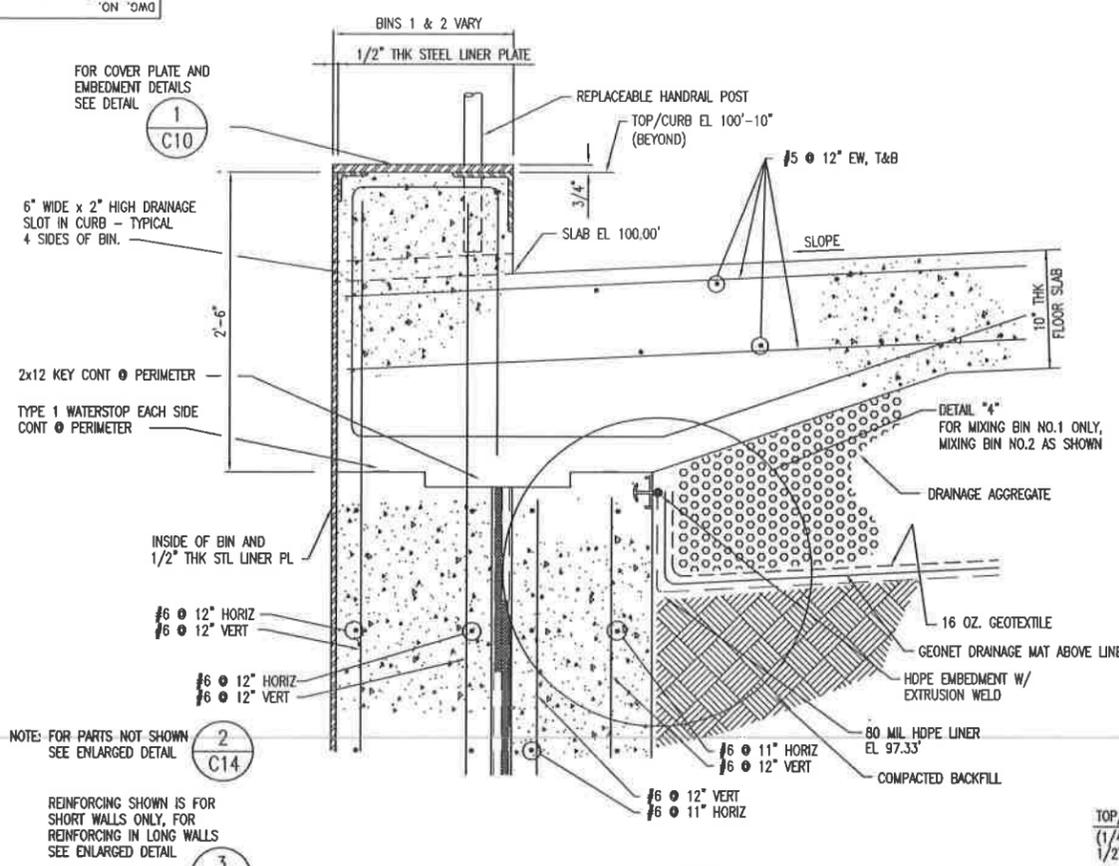
TITLE:  
CIVIL  
CONTAINMENT BUILDING (STABILIZATION AREA)  
MIXING BIN SECTIONS

DRAWN BY	DATE	SCALE	FILE CODE	PROJECT	REV. NO.
TLZ	3/8/97	3/8"=1'-0"	793P-C13		L

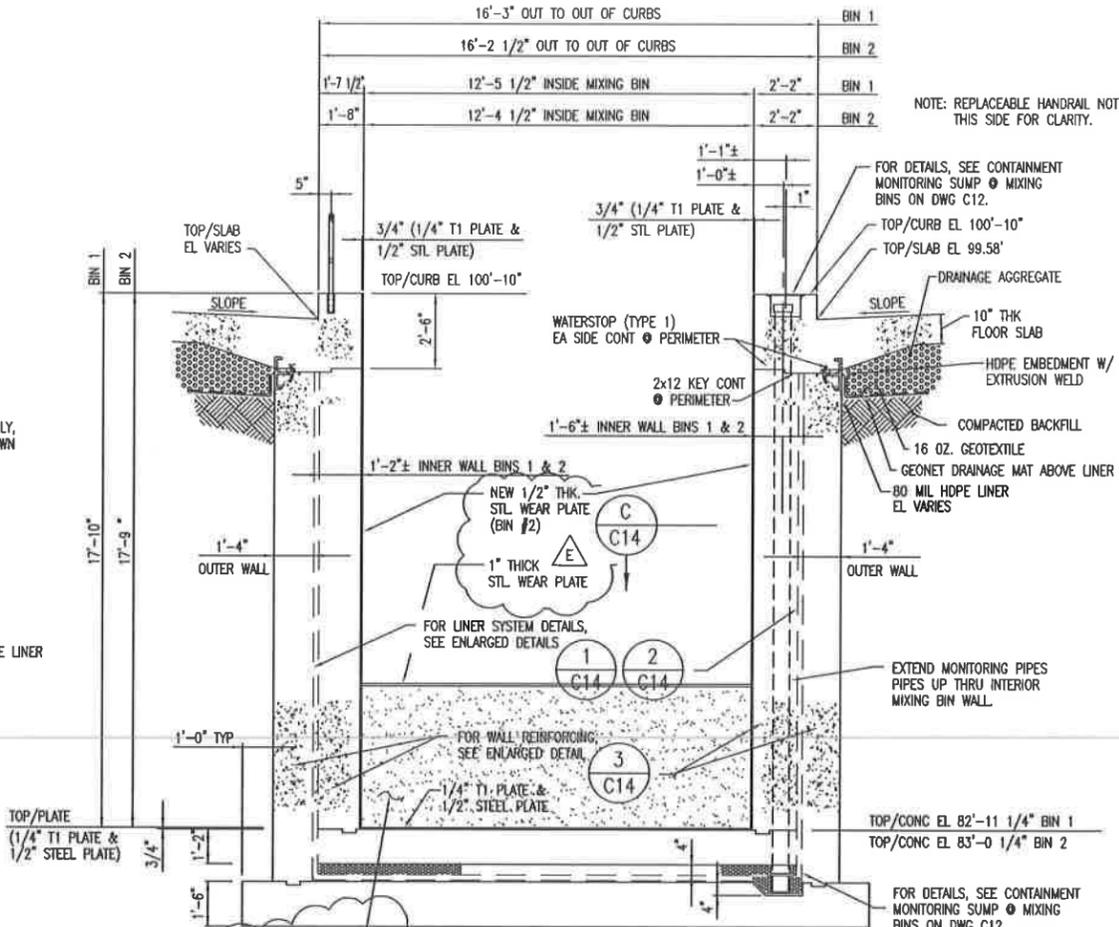


793P-C14  
ON 06/04/97

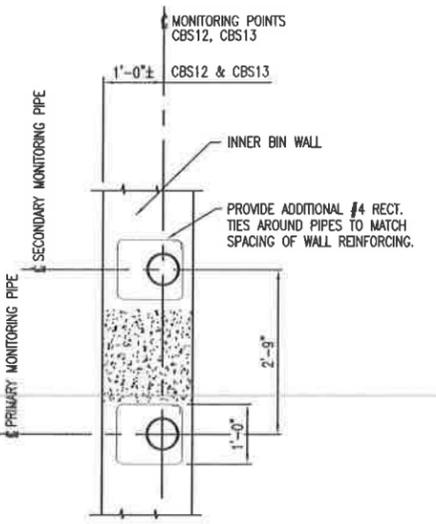
REFERENCE DRAWINGS	
DWG NO.	TITLE
C01	GENERAL NOTES & LEGEND
C05	FOUNDATION PLAN
C06	FOUNDATION PLAN & MIXING BINS
C07	LINER PLAN
C08	SLAB PLAN
C10	MIXING BIN LINER PLATE SECTIONS & DETAILS
C11	MIXING BIN LINER PLATE SECTIONS & DETAILS
C12	MIXING BIN SECTIONS & DETAILS
C13	MIXING BIN SECTIONS & DETAILS
C15	SLAB SECTION & DETAILS
C16	MISCELLANEOUS SECTIONS & DETAILS



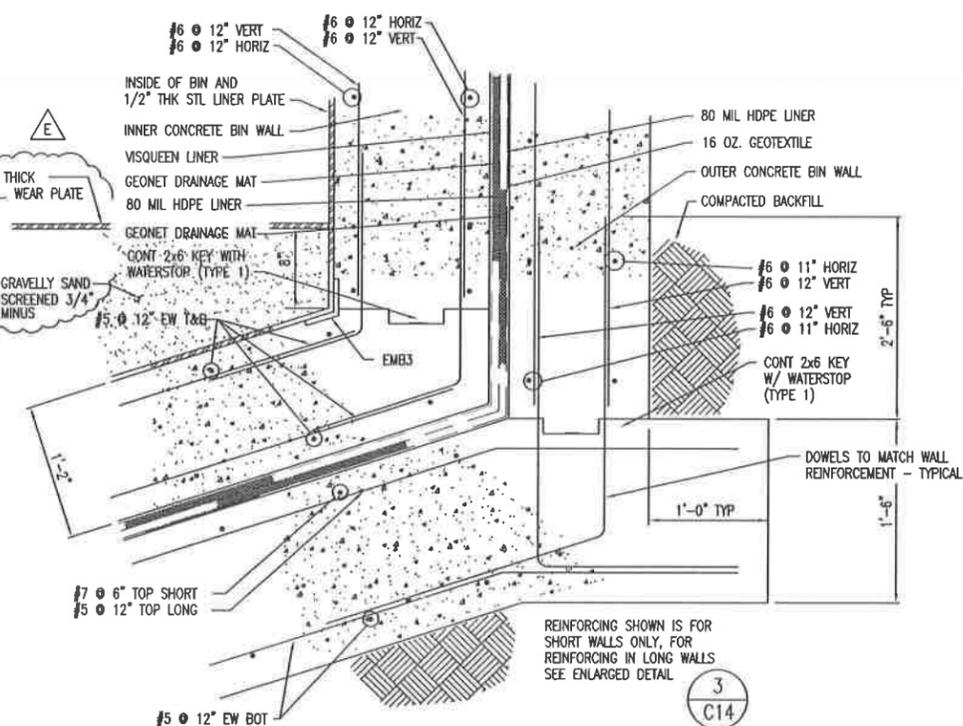
ENLARGED DETAIL 1  
SCALE: 1 1/2" = 1'-0"



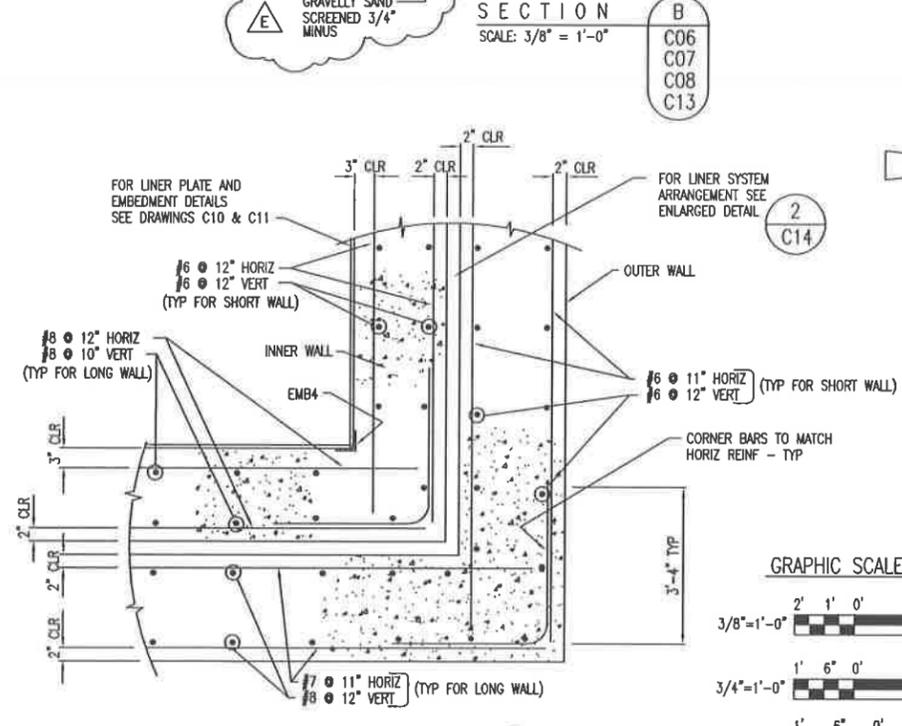
SECTION B  
SCALE: 3/8" = 1'-0"



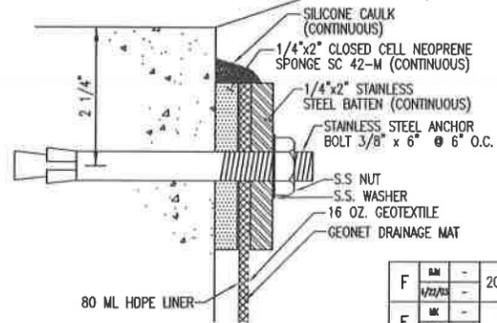
SECTION C  
SCALE: 3/4" = 1'-0"



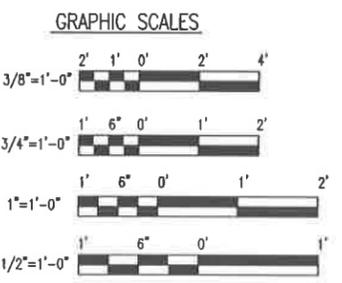
ENLARGED DETAIL 2  
SCALE: 1 1/2" = 1'-0"



ENLARGED DETAIL 3  
SCALE: 1" = 1'-0"



DETAIL 4  
SCALE: NTS



REV.	CHK'D	DATE	DESCRIPTION	DATE	DATE
F	AN	-	2003 PERMIT RENEWAL	-	04/01/03
E	AK	4/21/99	ISSUED IN RESPONSE TO NOD LETTER DATED JUNE 30, 1999	-	04/21/99
D	DM	1/28/99	ISSUED FOR B PERMIT RENEWAL APPLICATION	-	-
C	BM	1/29/99	AS BUILT FOR COA PACKAGE	04/29/99	04/29/99
B	AE	1/1/99	REVISED DRAWING FOR MAY 1998 SUBMISSION TO IDEQ	01/01/99	01/01/99
A	TLZ	1/20/97	ESII PERMIT ISSUE	01/20/97	01/20/97

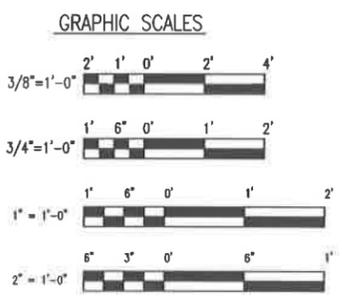
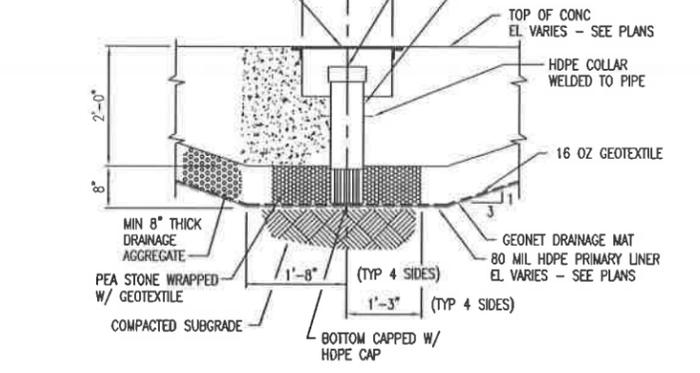
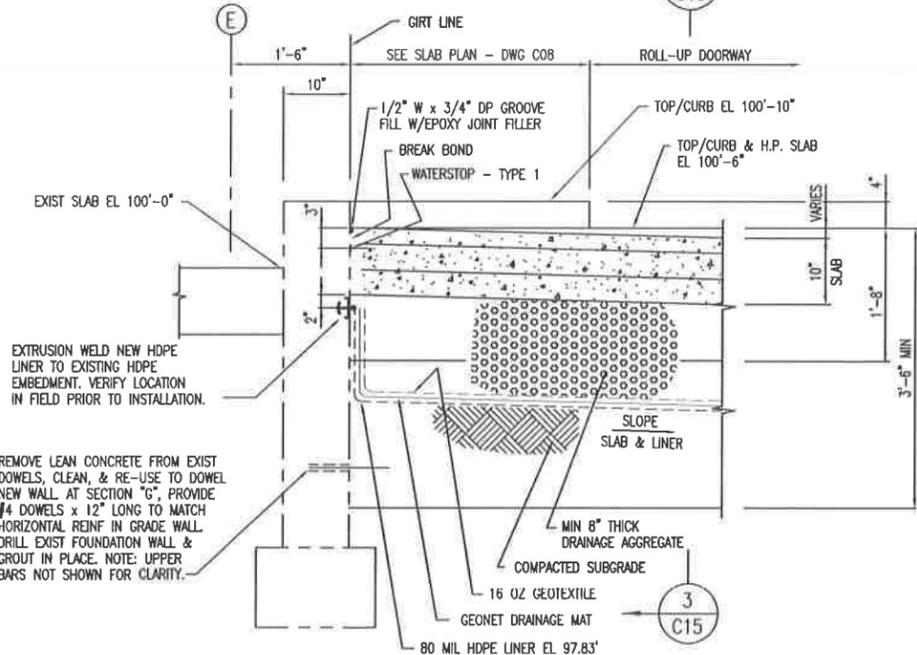
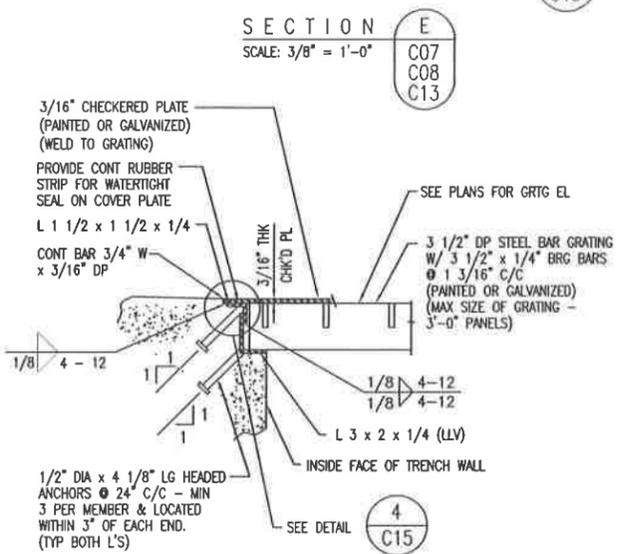
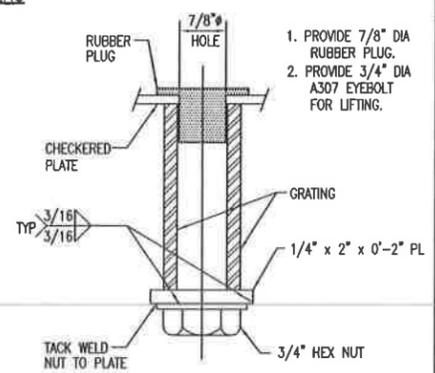
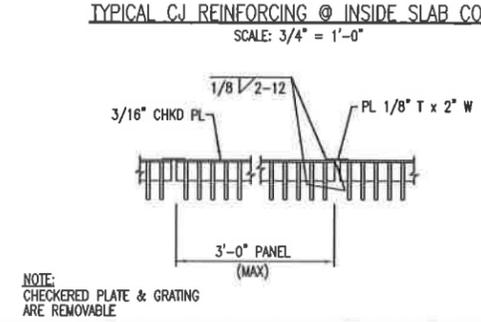
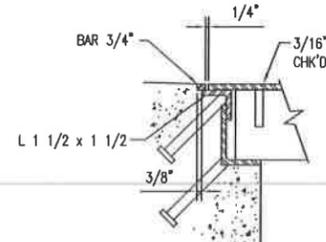
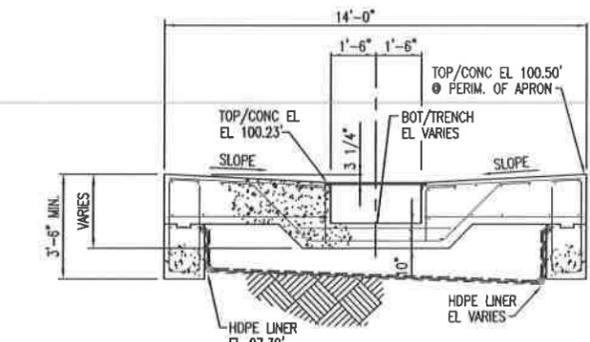
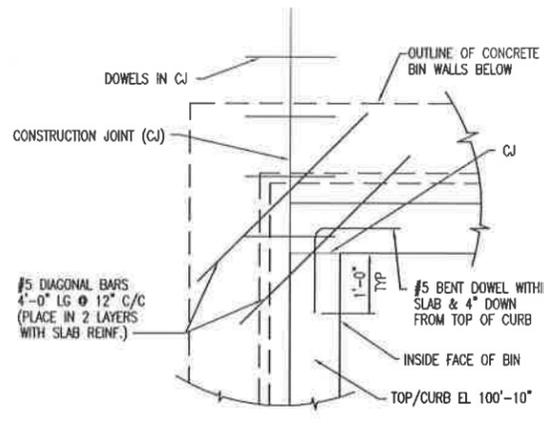
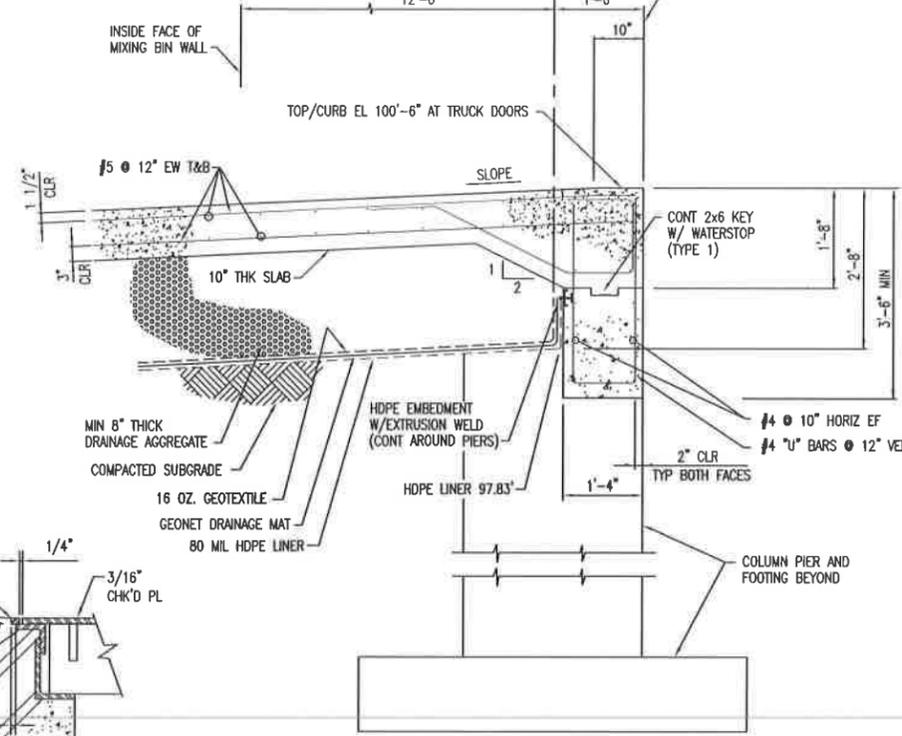
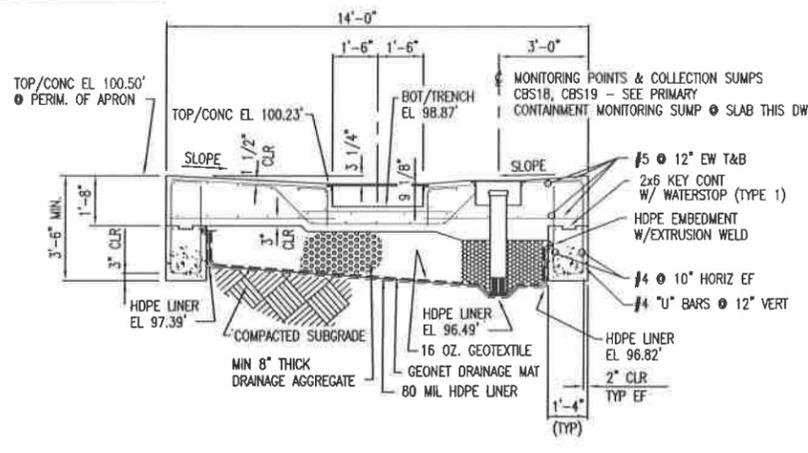
**USEcology Idaho**  
an American Ecology company

SITE B  
GRAND VIEW, IDAHO  
US EPA ID NO. IDD 073 114 654

TITLE:  
CIVIL  
CONTAINMENT BUILDING (STABILIZATION AREA)  
SECTIONS & DETAILS

FILE NO.	PRM
793P-C14	

PROJ. NO. 793P-C15  
 DWG. NO. 793P-C15



REFERENCE DRAWINGS	
DWG NO.	TITLE
C01	GENERAL NOTES & LEGEND
C05	SB - FOUNDATION PLAN
C06	SB - FOUNDATION PLAN @ MIXING BINS
C07	SB - LINER PLAN
C08	SB - SLAB PLAN
C09	SB - FOUNDATIONS SECTIONS & DETAILS
C10	SB - MIXING BIN LINER PLATE - SECTIONS & DETAILS
C11	SB - MIXING BIN LINER PLATE - SECTIONS & DETAILS
C12	SB - MIXING BIN - SECTIONS & DETAILS
C13	SB - MIXING BINS SECTIONS & DETAILS
C14	SB - MIXING BINS SECTIONS & DETAILS
C15	SB - SLAB SECTIONS & DETAILS
C16	SB - SLAB SECTIONS & DETAILS
C17	SB - EQUIPMENT FOUNDATION PLANS
C18	SB - WATER TANK FOUNDATION PLAN

REV.	BY	CHK'D	DATE	DESCRIPTION	DATE	DATE
E	AM	-	-	2003 PERMIT RENEWAL	-	AI
D	DM	-	-	ISSUED FOR B PERMIT RENEWAL APPLICATION	-	-
C	EM	RS	4/25/98	AS BUILT FOR COA PACKAGE	4/25/98	RS
B	AL	RS	5/1/98	REVISED DRAWING FOR 1998 SUBMISSION TO IDEQ	5/1/98	RS
A	TLZ	WFF	3/20/97	ESI PERMIT ISSUE	3/20/97	RS

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SITE B  
 GRAND VIEW, IDAHO  
 US EPA ID NO. IDD 073 114 654

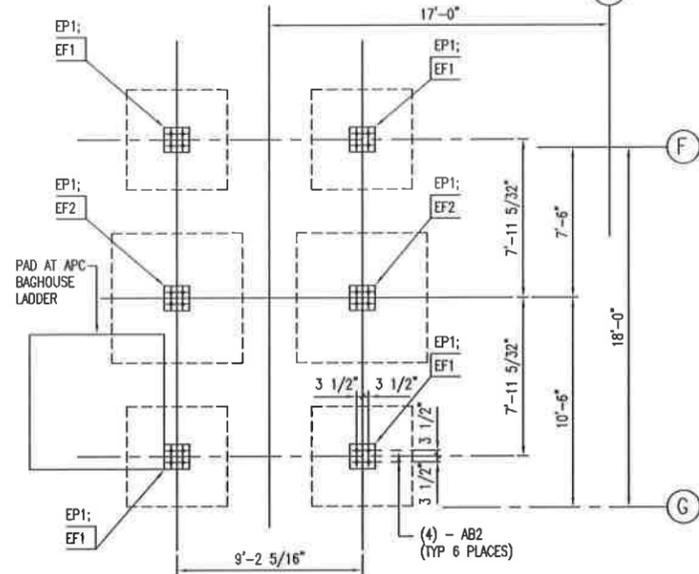
TITLE:  
 CIVIL  
 CONTAINMENT BUILDING (STABILIZATION AREA)  
 SLAB SECTIONS & DETAILS

DRAWN BY:	DATE:	SCALE:	FILE CODE:	PRACITISE:	REV. NO.:
TLZ	5/1/98	3/8"=1'-0"	793P-C15		E
CHECKED:	DATE:	ENGINEER:	DATE:		
PROJ. MGR:	DATE:	APPROVED:	DATE:	PROJ. NO.:	PRM

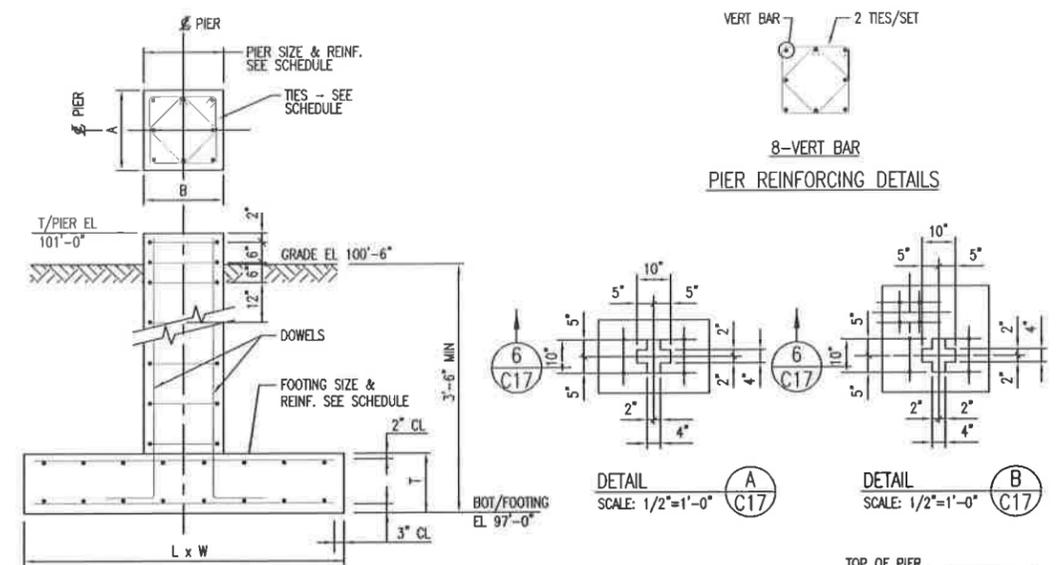


PROJ. NO. 793P-C17  
DWG. NO. 793P-C17

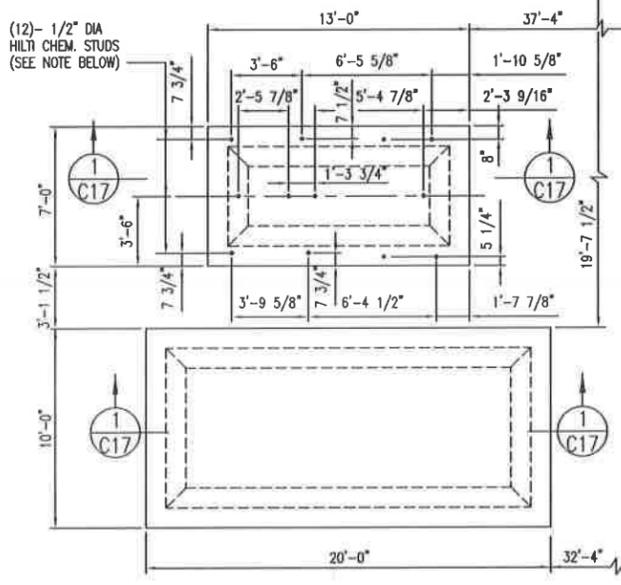
REFERENCE DRAWINGS	
DWG NO.	TITLE
C01	GENERAL NOTES & LEGEND
C05	SB - FOUNDATION PLAN
C06	SB - FOUNDATION PLAN @ MIXING BINS
C07	SB - LINER PLAN
C08	SB - SLAB PLAN
C09	SB - FOUNDATIONS SECTIONS & DETAILS
C10	SB - MIXING BIN LINER PLATE - SECTIONS & DETAILS
C11	SB - MIXING BIN LINER PLATE - SECTIONS & DETAILS
C12	SB - MIXING BIN - SECTIONS & DETAILS
C13	SB - MIXING BINS SECTIONS & DETAILS
C14	SB - MIXING BINS SECTIONS & DETAILS
C15	SB - SLAB SECTIONS & DETAILS
C16	SB - SLAB SECTIONS & DETAILS
C18	SB - WATER TANK FOUNDATION PLAN



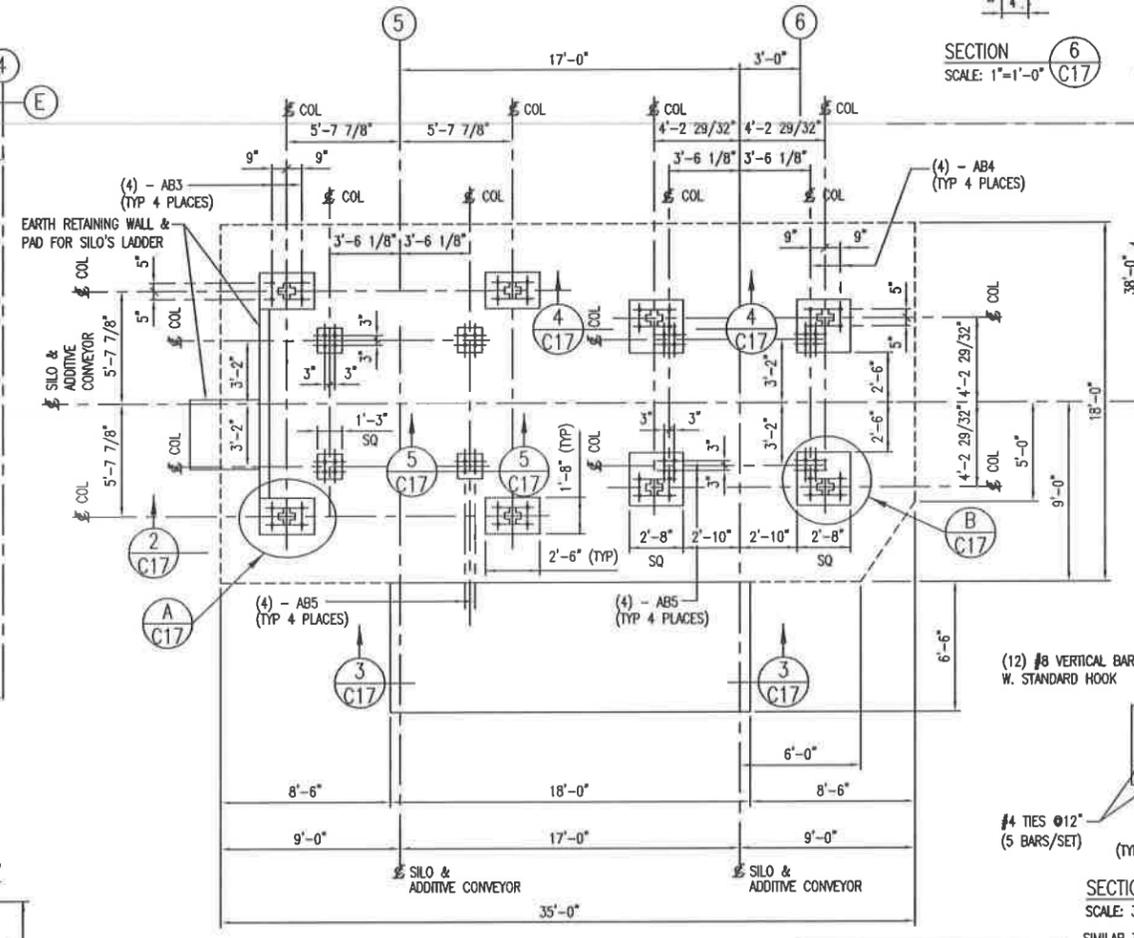
**BAGHOUSE FOUNDATION PLAN**  
SCALE: 1/4"=1'-0"



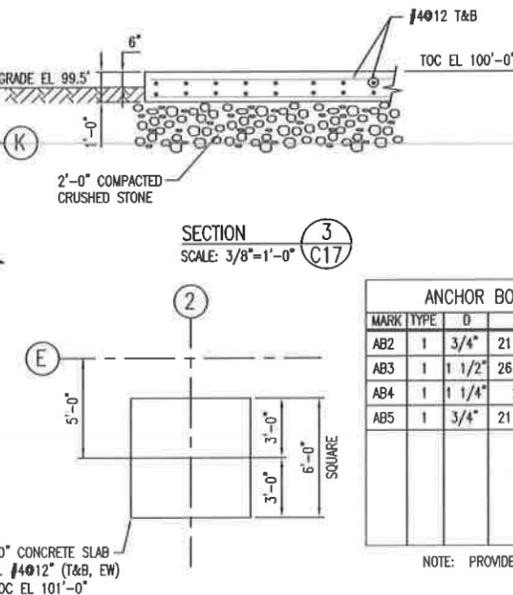
**TYPICAL COLUMN FOOTING & PIER DETAIL**  
SCALE: NONE



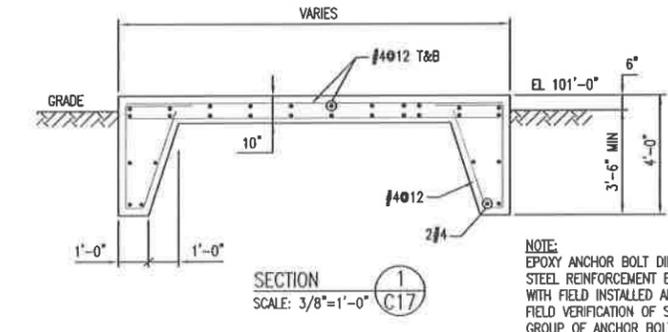
**HEPA FILTER & FAN No. 4 FOUNDATION PLAN**  
SCALE: 1/4"=1'-0"



**SILO AND PNEUMATIC CONVEYOR SYSTEM BLOWER FOUNDATION PLAN**  
SCALE: 1/4"=1'-0"



**STACK FOUNDATION PLAN**  
SCALE: 1/4"=1'-0"



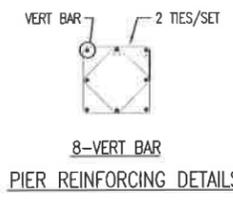
**SECTION 1**  
SCALE: 3/8"=1'-0" C17

NOTE: EPOXY ANCHOR BOLT DIMENSIONS SHOWN ARE FOR REFERENCE PURPOSES ONLY. STEEL REINFORCEMENT BARS SHALL BE PLACED SO AS TO ELIMINATE INTERFERENCE WITH FIELD INSTALLED ANCHORS. ANCHORS SHALL BE DRILLED AND EPOXIED AFTER FIELD VERIFICATION OF SPACING WITH ACTUAL FAN EQUIPMENT SKID ASSEMBLY. THE GROUP OF ANCHOR BOLTS ARE TO BE LOCATED IN RELATION TO THE ANCHOR LOCATED AND DIMENSIONED ON THE SOUTHWEST CORNER OF THE FAN FOUNDATION.

NOTE: 1. TOP OF PIER EL. 101'-0".

NOTE: DRAWING C-16, REV A OF THE USEI PERMIT ISSUE WAS RENAMED DRAWING NUMBER C-17, REV A OF THE MAY '98 IDEQ SUBMISSION

NOTE: VERIFY ALL DIMENSIONS WITH THE EQUIPMENT MANUFACTURER PRIOR TO FABRICATION AND CONSTRUCTION.

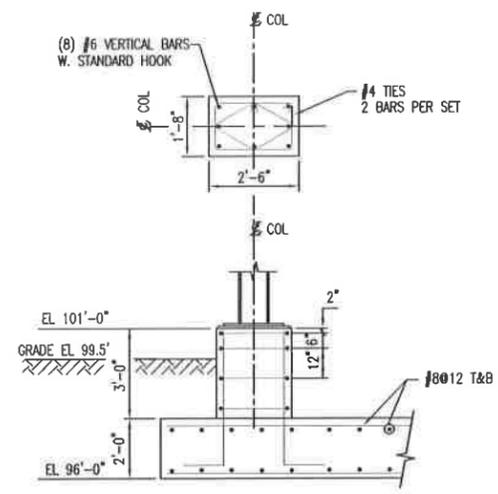


**PIER REINFORCING DETAILS**

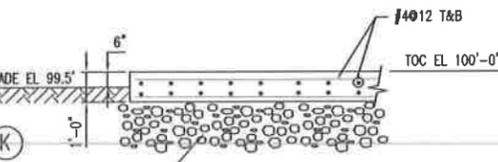
**DETAIL A**  
SCALE: 1/2"=1'-0" C17

**DETAIL B**  
SCALE: 1/2"=1'-0" C17

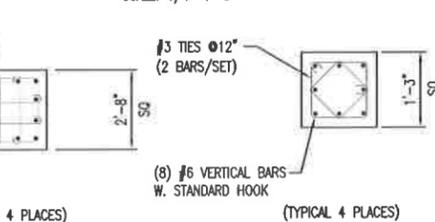
**SECTION 6**  
SCALE: 1"=1'-0" C17



**SECTION 2**  
SCALE: 3/8"=1'-0" C17

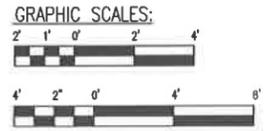


**SECTION 3**  
SCALE: 3/8"=1'-0" C17



**SECTION 4**  
SCALE: 3/8"=1'-0" C17  
SIMILAR TO SECTION 2/C17

**SECTION 5**  
SCALE: 3/4"=1'-0" C17  
SIMILAR TO SECTION 2/C17



PIER SCHEDULE (SEE DETAIL ON DWG NO. 793C-C17)				
MARK	TYPE	DIMENSIONS	REINFORCING	REMARKS
		A B	VERT TIES	
EP1	-	1'-3" 1'-3"	8#6 #4012	

COLUMN FOOTING SCHEDULE (SEE DETAIL ON DWG NO. 793C-C17)				
MARK	SIZE	REINFORCING	REMARKS	
	L W T	BOTTOM TOP		
EF1	5'-0" 5'-0" 1'-3"	#6012EW #6012EW		
EF2	6'-6" 6'-6" 1'-3"	#6012EW #6012EW		

ANCHOR BOLT SCHEDULE						
MARK	TYPE	D	L	E	T	P
AB2	1	3/4"	21 1/4"	15"	2 1/4"	4 1/4"
AB3	1	1 1/2"	26 1/2"	18"	4 1/2"	6 1/2"
AB4	1	1 1/4"	23"	15"	4"	6"
AB5	1	3/4"	21 1/4"	15"	2 1/4"	4 1/4"

NOTE: PROVIDE A 5/16" THK PLATE WASHER W/STD HOLE

REV.	BY	CHK'D	DATE	DESCRIPTION	PROJ. ENGR.	ENGR. DATE
D	JZ		4/2/03	2003 PERMIT RENEWAL		4/2/03
C			7/2/03	ISSUED FOR B PERMIT RENEWAL APPLICATION		
B			8/2/03	AS BUILT FOR COA PACKAGE		8/2/03
A			5/1/03	REVISED DRAWING FOR MAY 1998 TO IDEQ (FORMERLY DWG NO. 793P-C16), REV A		5/1/03

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SITE B  
GRAND VIEW, IDAHO  
US EPA ID NO. IDD 073 114 654

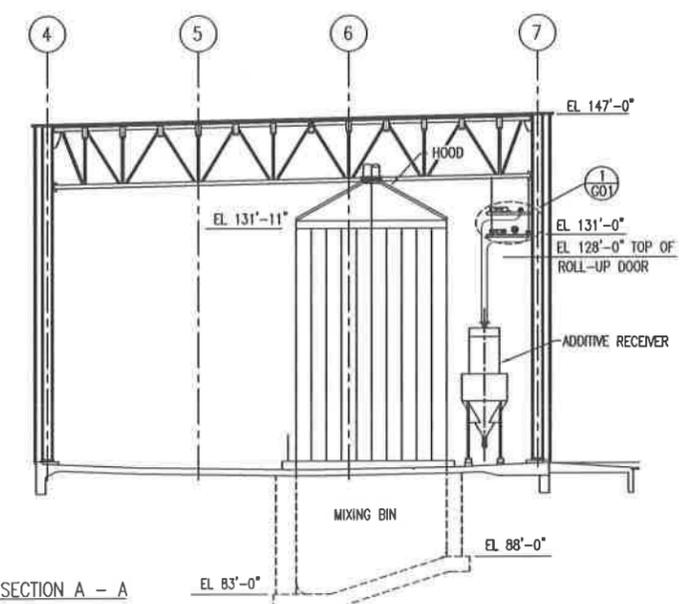
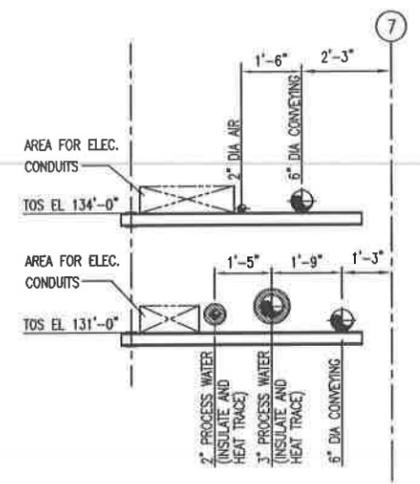
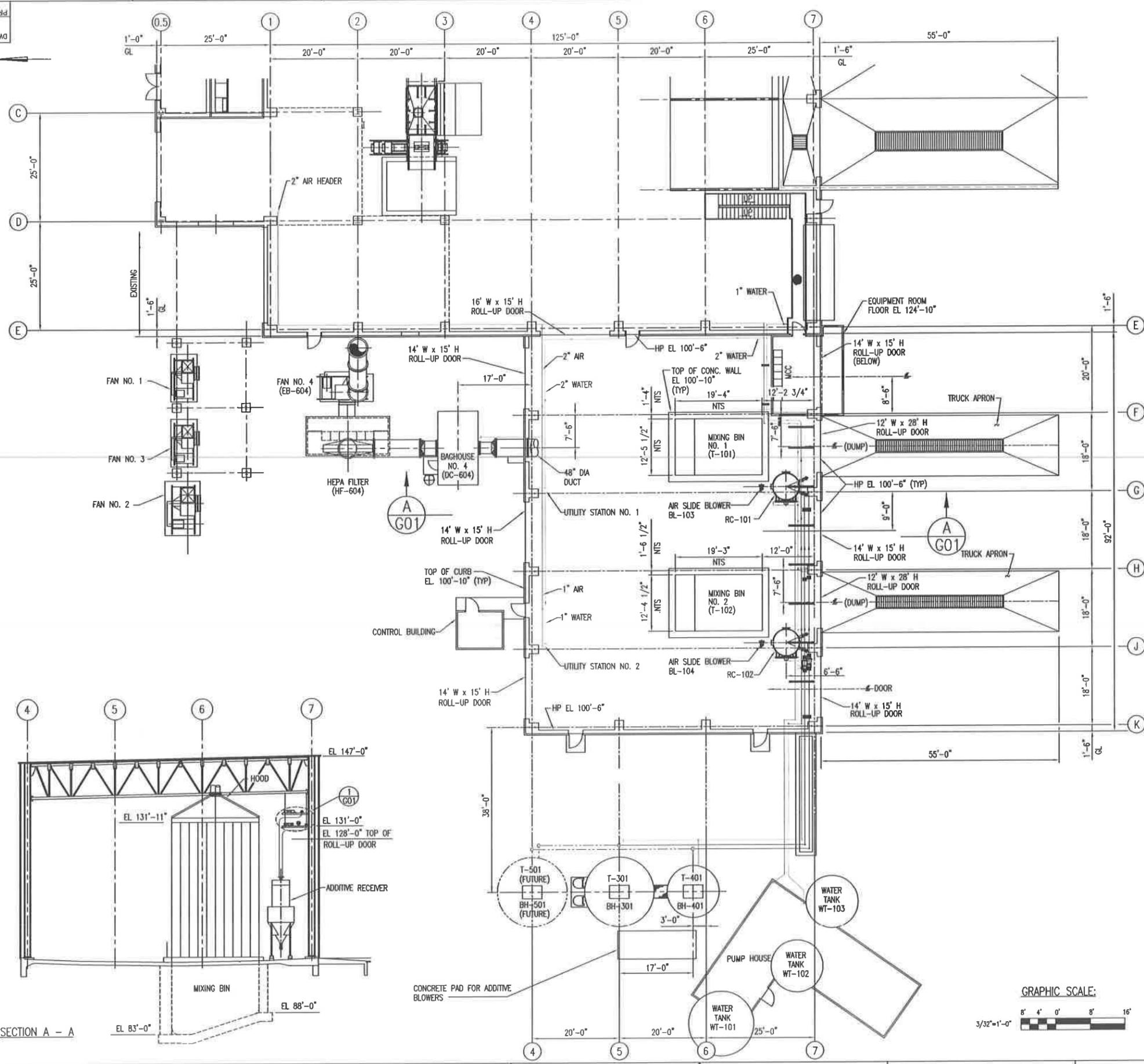
TITLE: **CIVIL  
CONTAINMENT BUILDING (STABILIZATION AREA)  
EQUIPMENT FOUNDATIONS PLANS**

DRAWN BY	DATE	SCALE	FILE CODE	PRJ/C17/D	REV. NO.
JZ			DWG. NO.	793P-C17	
CHECKED	DATE	ENGINEER	DATE	PROJ. NO.	PRM

PROJ. NO. 793P-G01  
 DWG. NO. ON PRM

**LEGEND**

ITEM NUMBER	DESCRIPTION
BH-301, BH-401, (BH-501 FUTURE)	SILO DUST COLLECTOR
BL-101, BL-102	ADDITIVE BLOWER
CO-101, CO-102	ADDITIVE CONVEYOR
DC-604	BAGHOUSE No. 4
EB-604	FAN NO. 4
HF-604	HEPA FILTER
CO-101, CO-102, (CO-103 FUTURE)	ADDITIVE CONVEYOR
RC-101, RC-102	ADDITIVE RECEIVER
RF-101, RF-102	ADDITIVE ROTARY FEEDER
T-301, T-401, (T-501 FUTURE)	ADDITIVE STORAGE SILO
AS-101, AS-102	ADDITIVE AIR SLIDE
BL-103, BL-104	AIR SLIDE BLOWER
WP-101A, WP-101B	PROCESS WATER PUMP



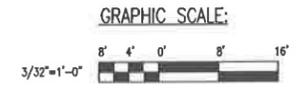
REV.	DATE	DESCRIPTION	BY	CHK'D	DATE	PROJ. MGR.	DATE
E	2/2/03	2003 PERMIT RENEWAL					
D	1/2/03	ISSUED FOR B PERMIT RENEWAL APPLICATION					
C	1/2/03	AS BUILT FOR COA PACKAGE					
B	5/7/98	REVISED DRAWING FOR MAY 1998 SUBMISSION TO IDEQ					
A	5/2/97	ESII PERMIT ISSUE					

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SITE B  
 GRAND VIEW, IDAHO  
 US EPA ID NO. IDD 073 114 654

TITLE: AIR AND PROCESS WATER SYSTEM CONTAINMENT BUILDING (STABILIZATION AREA) PLAN VIEW & SECTION

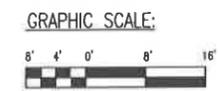
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EMH					
CHECKED:	DATE:	ENGINEER:	DATE:	DWG. NO.:	
				793P-G01	
PROJ. MGR.:	DATE:	APPROVED:	DATE:	PROJ. NO.:	PRM



PRM NO. 793P-H01  
DWG. NO. 793P-H01

**LEGEND**

ITEM NUMBER	DESCRIPTION
BH-301, BH-401, (BH-501 FUTURE)	SILO DUST COLLECTOR
BL-101, BL-102	ADDITIVE BLOWER
CO-101, CO-102, (CO-103 FUTURE)	ADDITIVE CONVEYOR
DC-604	BAGHOUSE No. 4
EB-604	APC EXHAUST BLOWER
HF-604	HEPA FILTER
RC-101, RC-102	ADDITIVE RECEIVER
RF-101, RF-102	ADDITIVE ROTARY FEEDER
T-301, T-401, (T-501 FUTURE)	ADDITIVE STORAGE SILO



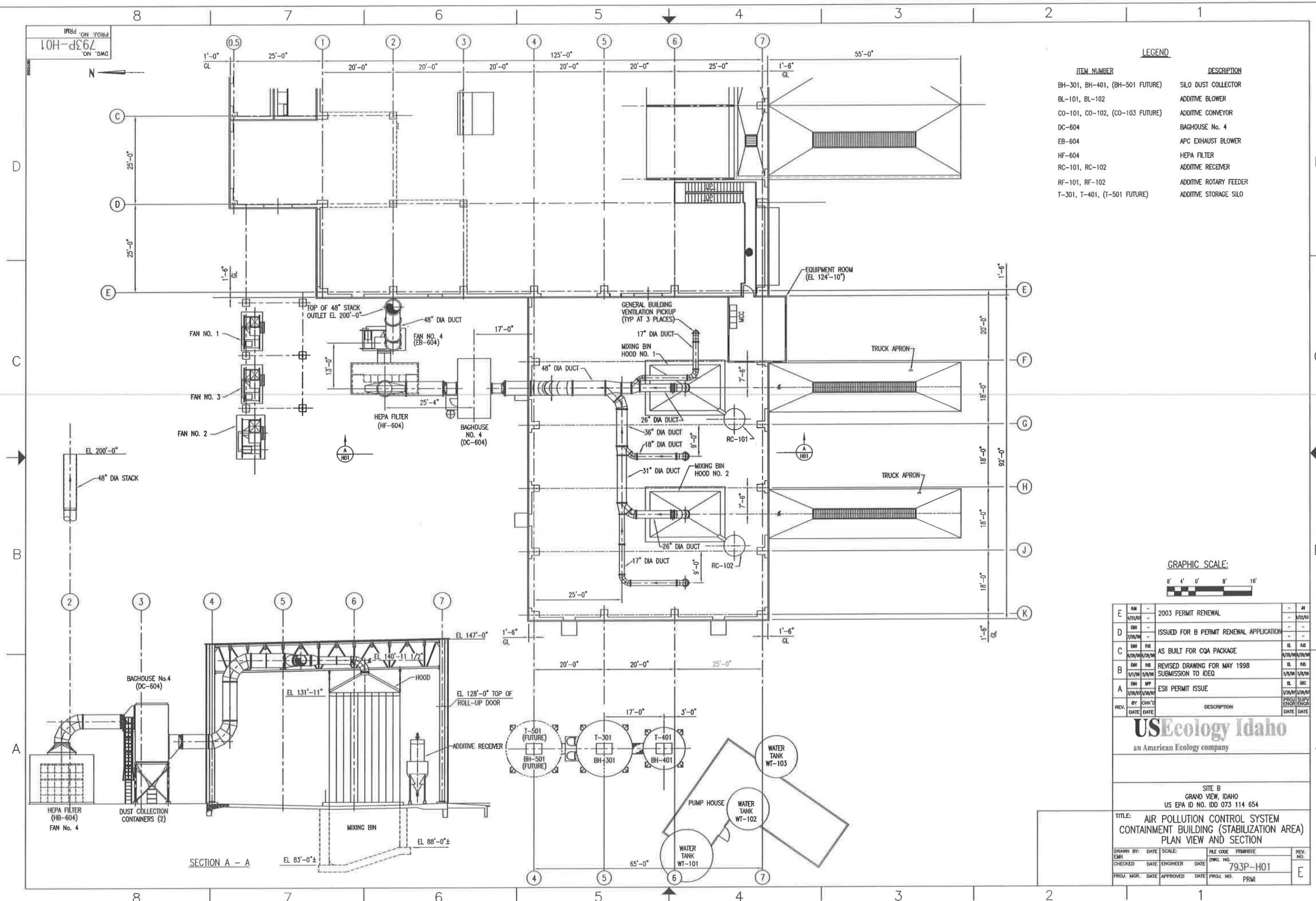
REV.	BY	CHK'D	DATE	DESCRIPTION	PRG. SUPV	ENGR	ENGR
E				2003 PERMIT RENEWAL			
D				ISSUED FOR B PERMIT RENEWAL APPLICATION			
C				AS BUILT FOR COA PACKAGE			
B				REVISED DRAWING FOR MAY 1998 SUBMISSION TO IDEQ			
A				ESII PERMIT ISSUE			

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SITE B  
GRAND VIEW, IDAHO  
US EPA ID NO. IDD 073 114 654

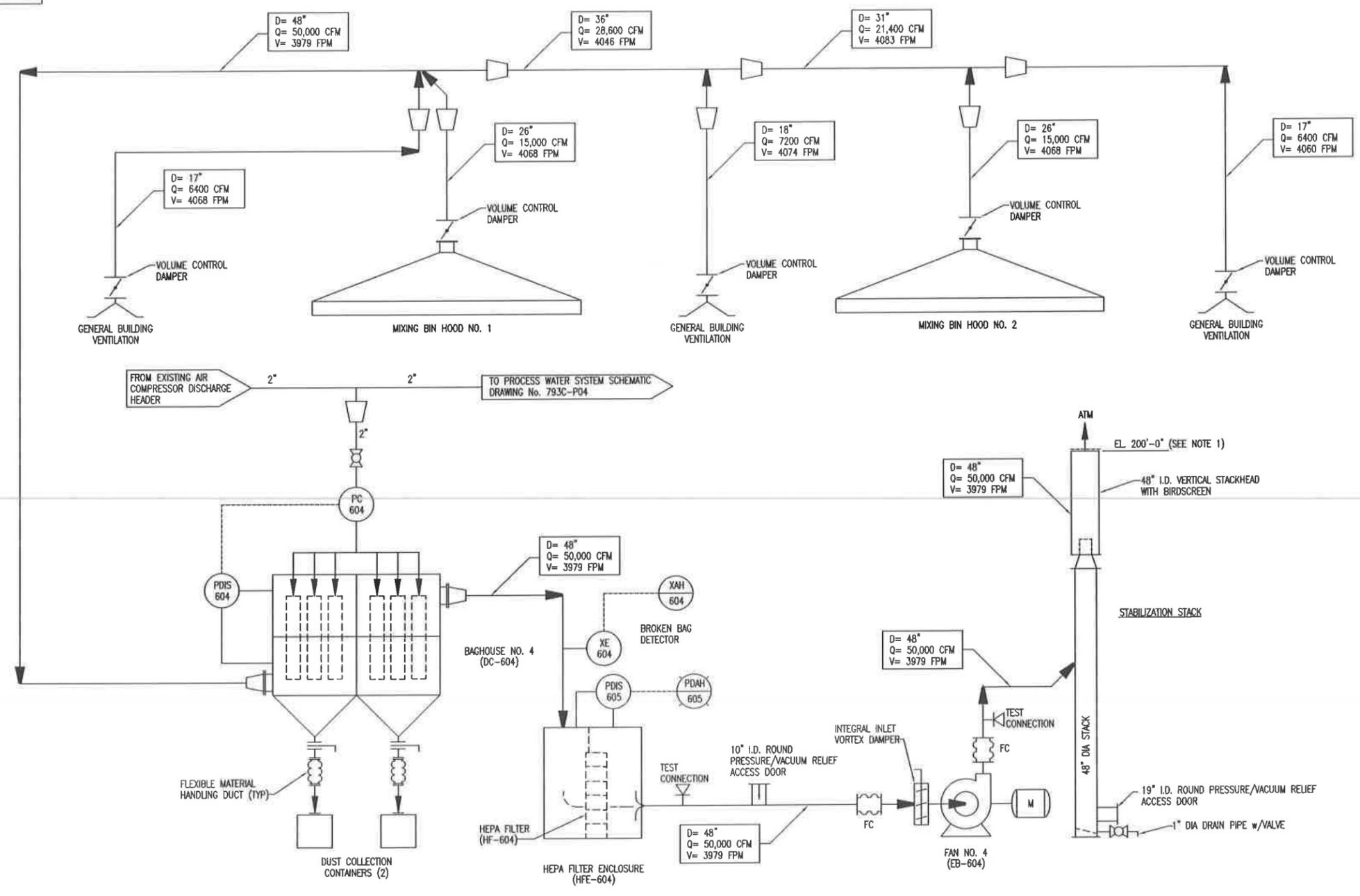
**TITLE: AIR POLLUTION CONTROL SYSTEM CONTAINMENT BUILDING (STABILIZATION AREA) PLAN VIEW AND SECTION**

DRWN BY:	DATE:	SCALE:	FILE CODE:	PRM/IDE	REV. NO.:
EMH			DWG. NO.	793P-H01	E
CHECKED:	DATE:	ENGINEER:	DATE:	PRJ. NO.	PRM
PROJ. MGR.:	DATE:	APPROVED:	DATE:		



SECTION A - A

DWG. NO. 793P-P03  
 PROJ. NO. PRM



**NOTES:**

- TOP OF STABILIZATION STACK ELEVATION SHALL BE 100'-0" ABOVE GRADE REFERENCE EL. 100'-0" (I.E., EL. 200'-0")
- LEGEND FOR DUCT BRANCHES AND HEADERS SHOWN ABOVE IS AS FOLLOWS:

D= DUCT DIAMETER (INCHES)  
 Q= DUCT AIR FLOW (CFM)  
 V= DUCT AIR VELOCITY (FPM)

REV.	BY	CHKD	DATE	DATE	DESCRIPTION	PROJ. ENGR.	SUPPLY ENGR.
E	EMH	-	1/11/03	-	2003 PERMIT RENEWAL	-	EMH
D	EMH	-	7/27/98	-	ISSUED FOR B PERMIT RENEWAL APPLICATION	-	EMH
C	EMH	NS	11/29/99/01/01/99	-	AS BUILT FOR COA PACKAGE	DL	NS
B	EMH	NS	5/1/98	5/1/98	REVISED DRAWING FOR MAY 1998 SUBMISSION TO IDEQ	DL	NS
A	EMH	MP	5/28/97/01/28/97	-	ESII PERMIT ISSUE	DL	DC

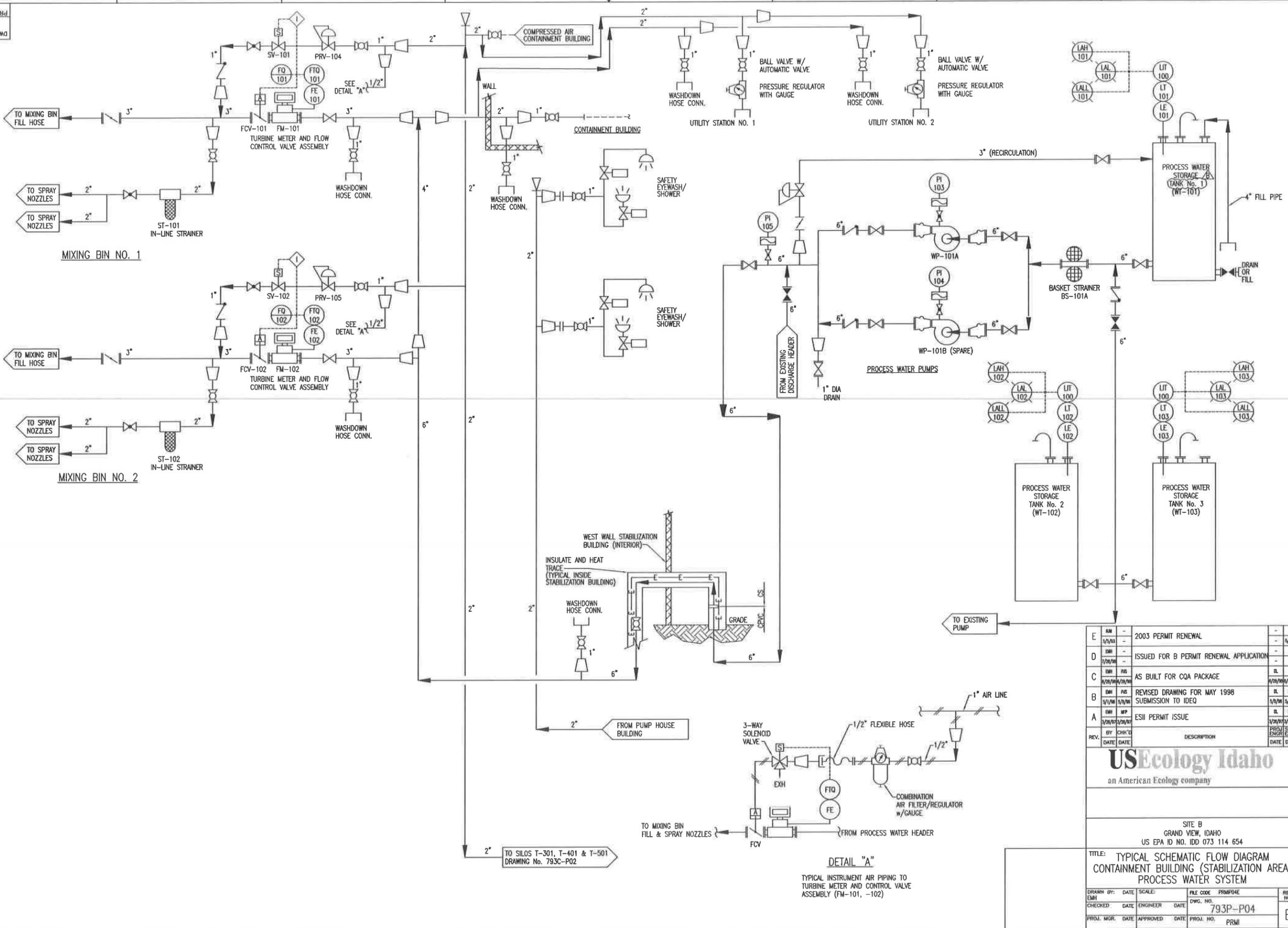
**USEcology Idaho**  
 an American Ecology company

SITE B  
 GRAND VIEW, IDAHO  
 US EPA ID NO. IDD 073 114 654

TITLE: TYPICAL SCHEMATIC FLOW DIAGRAM  
 AIR POLLUTION CONTROL SYSTEM  
 CONTAINMENT BUILDING (STABILIZATION AREA)

DRAWN BY:	DATE:	SCALE:	FILE CODE:	PROPOSE:	REV. NO.:
EMH					
CHECKED:	DATE:	ENGINEER:	DATE:	DWG. NO.:	
				793P-P03	
PROJ. MGR.:	DATE:	APPROVED:	DATE:	PROJ. NO.:	PRM

DWG. NO. 793P-P04  
PROJ. NO. PRM



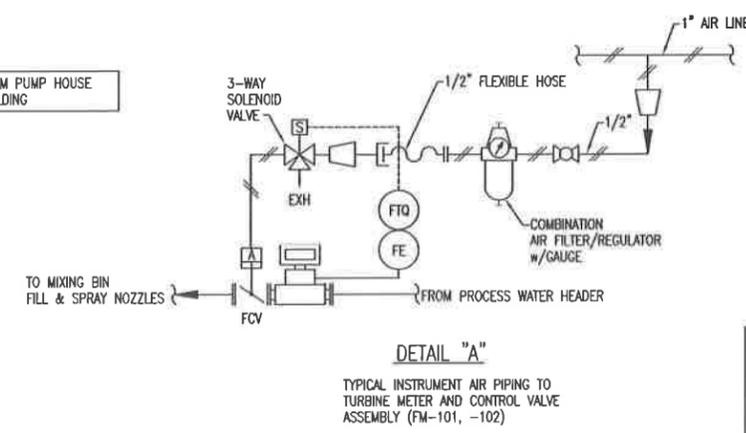
REV.	BY	CHK'D	DATE	DESCRIPTION	DATE	DATE
E	EM	-	-	2003 PERMIT RENEWAL	-	2/1
D	EM	-	-	ISSUED FOR B PERMIT RENEWAL APPLICATION	-	5/2/03
C	EM	PM	2/21/98	AS BUILT FOR COA PACKAGE	DL	PM
B	EM	PM	1/1/98	REVISED DRAWING FOR MAY 1998 SUBMISSION TO IDEQ	DL	PM
A	EM	MP	1/21/97	ESII PERMIT ISSUE	DL	MP

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SITE B  
GRAND VIEW, IDAHO  
US EPA ID NO. IDD 073 114 654

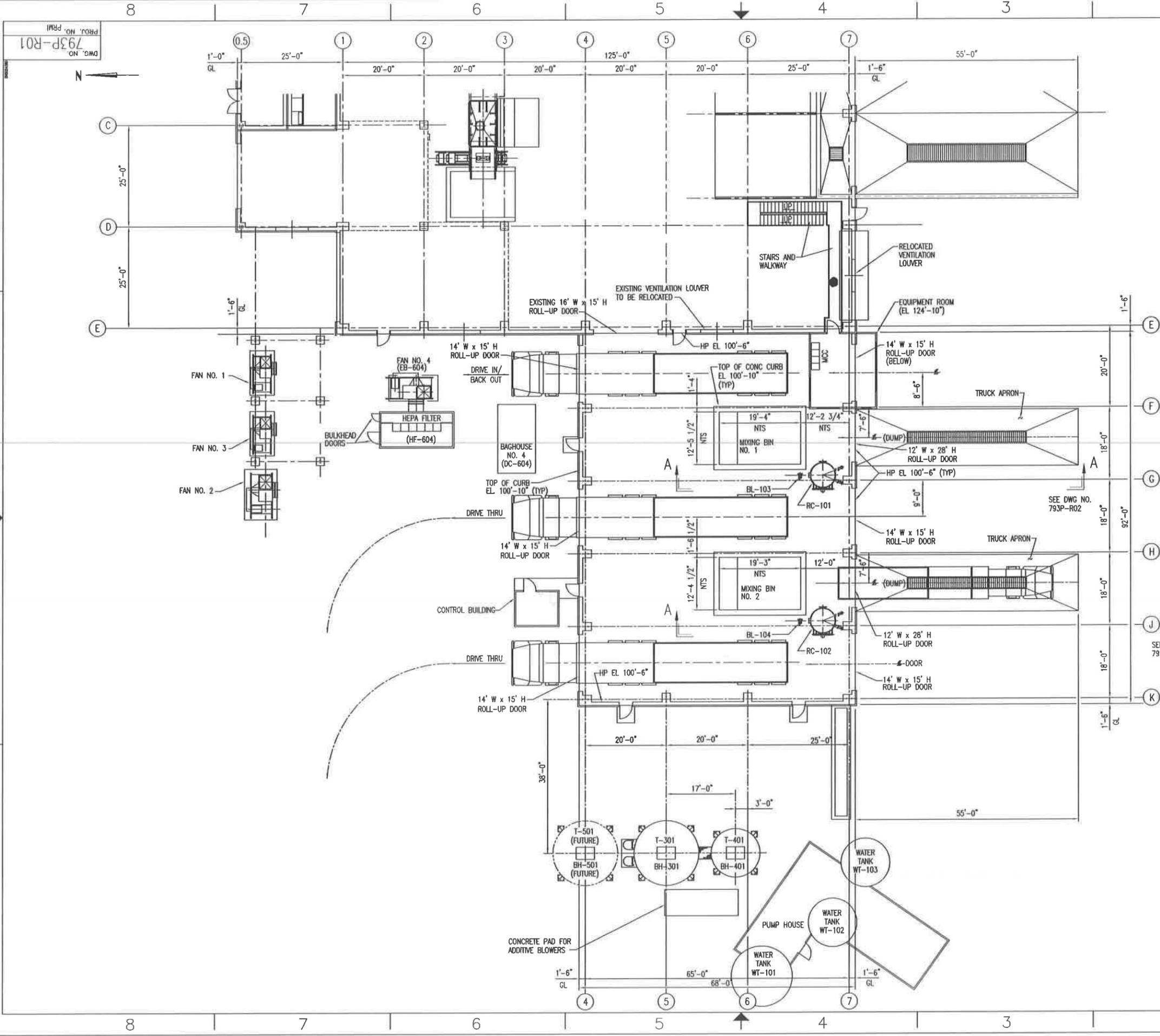
TITLE: TYPICAL SCHEMATIC FLOW DIAGRAM  
CONTAINMENT BUILDING (STABILIZATION AREA)  
PROCESS WATER SYSTEM

DRAWN BY:	DATE:	SCALE:	FILE CODE:	PRM/PMH	REV. NO.
EMH			DWG. NO.	793P-P04	E
CHECKED:	DATE:	ENGINEER:	DATE:		
PROJ. MGR.:	DATE:	APPROVED:	DATE:	PROJ. NO.	PRM



TO SILOS T-301, T-401 & T-501  
DRAWING No. 793C-P02

DETAIL "A"  
TYPICAL INSTRUMENT AIR PIPING TO  
TURBINE METER AND CONTROL VALVE  
ASSEMBLY (FM-101, -102)



**LEGEND**

ITEM NUMBER	DESCRIPTION
BH-301, BH-401, (BH-501 FUTURE)	SILO DUST COLLECTOR
BL-101, BL-102	ADDITIVE BLOWER
BL-103, BL-104	AIR SLIDE BLOWER
CO-101, CO-102, (CO-103 FUTURE)	ADDITIVE CONVEYOR
DC-604	BAGHOUSE No. 4
EB-604	APC EXHAUST BLOWER
HF-604	HEPA FILTER
RC-101, RC-102	ADDITIVE RECEIVER
RF-101, RF-102	ADDITIVE ROTARY FEEDER
T-301, T-401, (T-501 FUTURE)	ADDITIVE STORAGE SILO



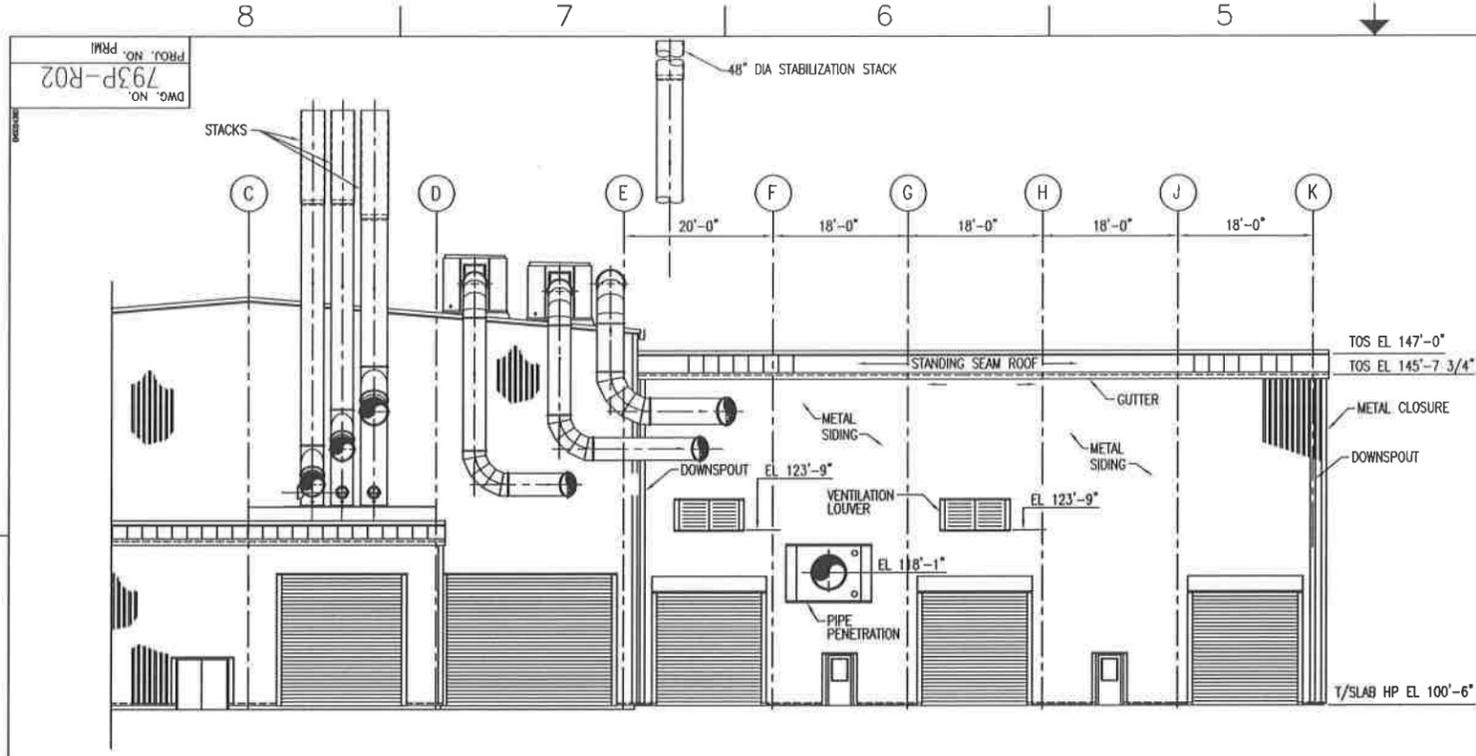
REV.	BY	CHK'D	DATE	DESCRIPTION	DATE	DATE
E	MM	-	2003 PERMIT RENEWAL	-	MM	-
D	MM	-	ISSUED FOR B PERMIT RENEWAL APPLICATION	-	MM	-
C	MM	RZ	AS BUILT FOR COA PACKAGE	DL	MM	MM
B	Z	NS	REVISED DRAWINGS FOR MAY 1998 SUBMISSION TO IDEQ	DL	MM	MM
A	MM	MP	ESII PERMIT ISSUE	DL	MM	MM

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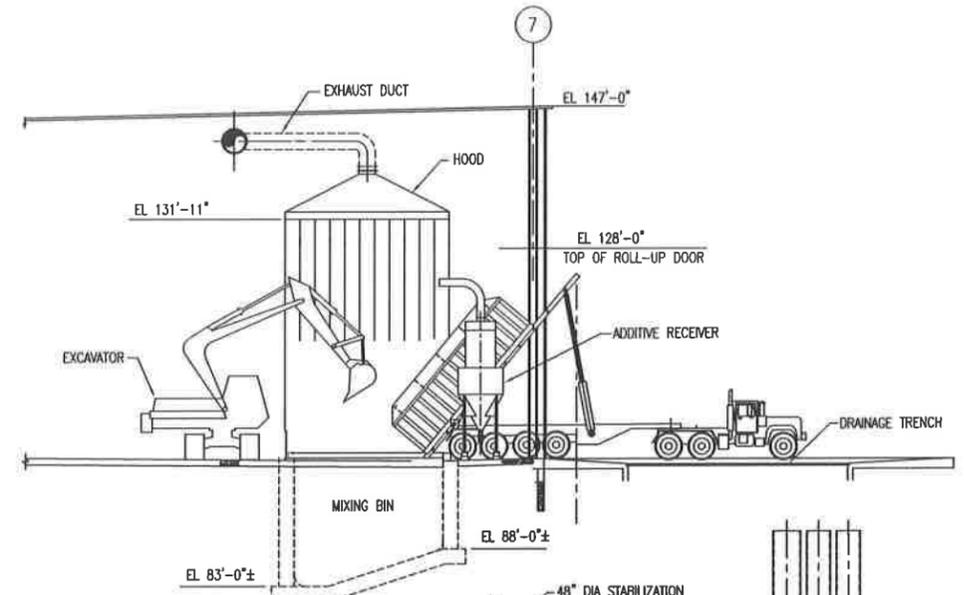
SITE B  
GRAND VIEW, IDAHO  
US EPA ID NO. IDD 073 114 654

TITLE: TYPICAL EQUIPMENT ARRANGEMENT  
CONTAINMENT BUILDING (STABILIZATION AREA)  
FLOOR PLAN

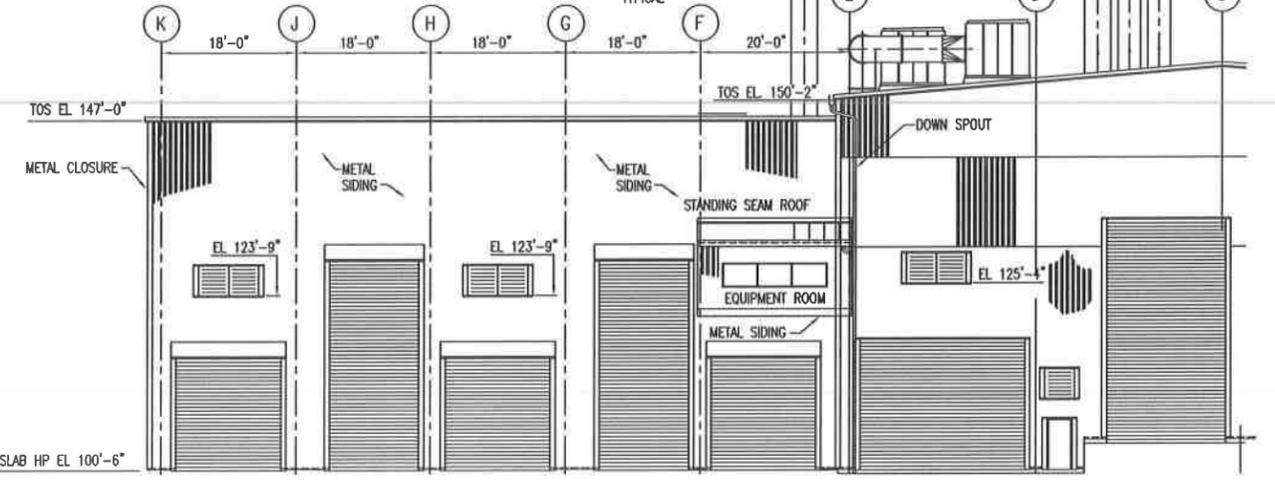
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CHK'D:	DATE:	ENGINEER:	DATE:	DWG. NO. 793P-R01	E
PROJ. MGR.:	DATE:	APPROVED:	DATE:	PROJ. NO. PRM1	



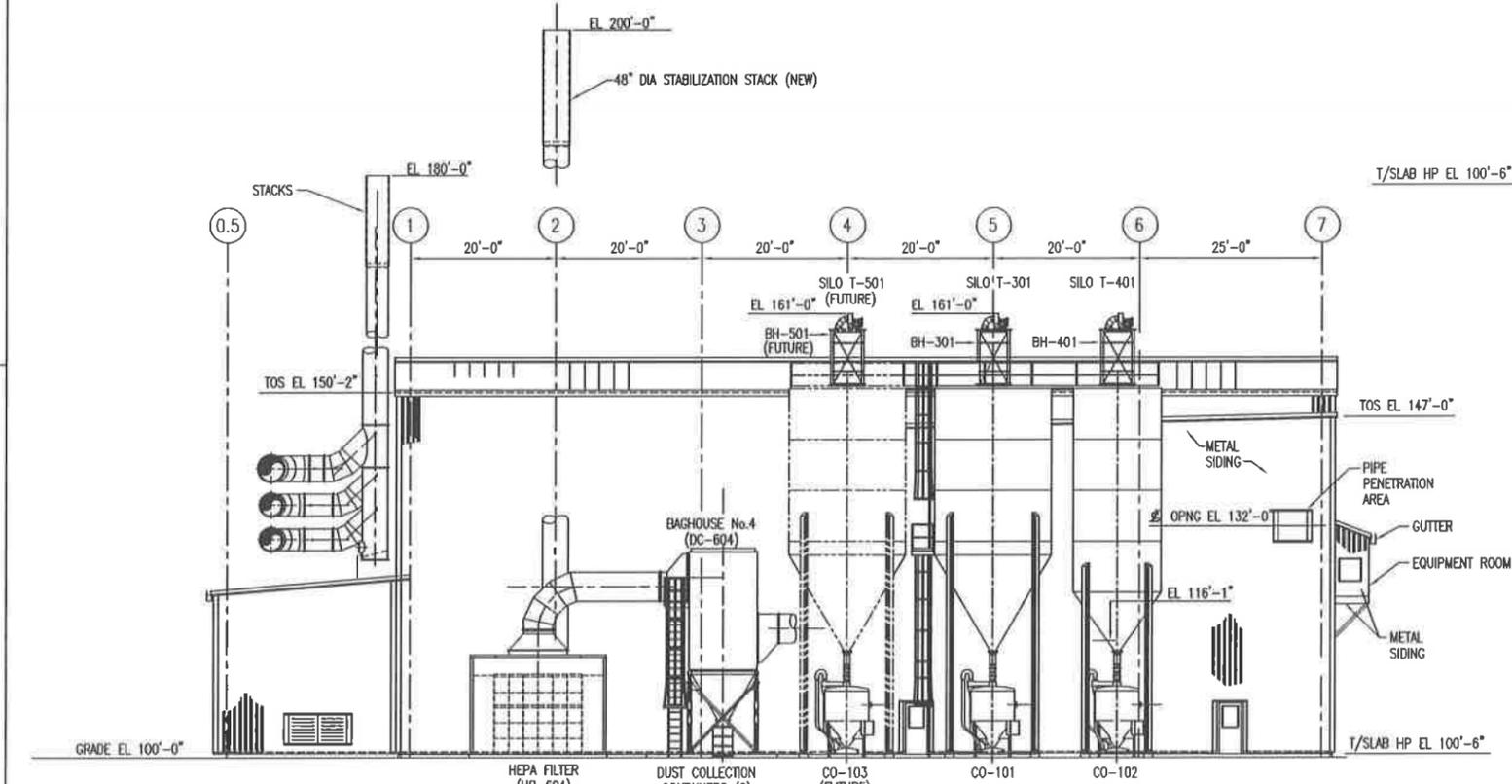
NORTH ELEVATION (LOOKING SOUTH)



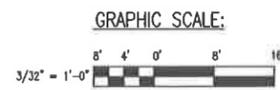
SECTION A-A  
TYPICAL



SOUTH ELEVATION (LOOKING NORTH)



WEST ELEVATION (LOOKING EAST)



REV.	DATE	DESCRIPTION	DATE	DATE
E	3/5/93	2003 PERMIT RENEWAL	-	3/1/93
D	1/7/98	ISSUED FOR B PERMIT RENEWAL APPLICATION	-	-
C	1/27/98/2/1/98	AS BUILT FOR COA PACKAGE	DL	NS
B	1/1/98	REVISED DRAWING FOR MAY 1998 SUBMISSION TO IDEQ	DL	NS
A	1/27/97/1/28/97	ESII PERMIT ISSUE	DL	DEC

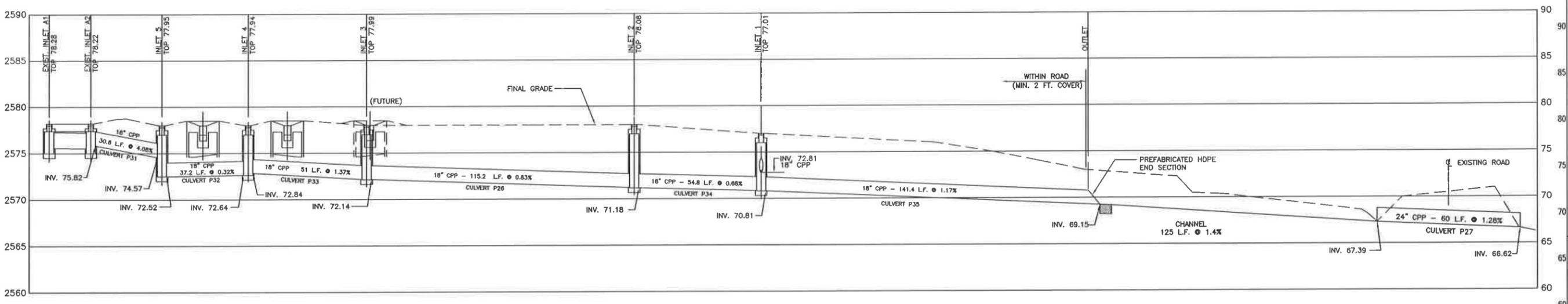
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SITE B  
GRAND VIEW, IDAHO  
US EPA ID NO. IDD 073 114 654

TITLE: TYPICAL EQUIPMENT ARRANGEMENT  
CONTAINMENT BUILDING (STABILIZATION AREA)  
ELEVATIONS

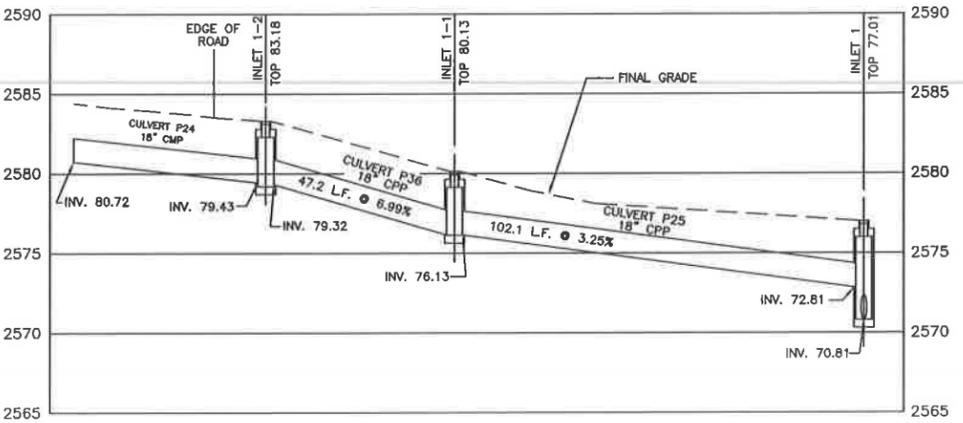
DRAWN BY:	DATE:	SCALE:	FILE CODE:	PRM/ROZ:	REV. NO.:
EBH			DWG. NO.	793P-R02	E
CHECKED:	DATE:	ENGINEER:	DATE:		
PROJ. MGR.:	DATE:	APPROVED:	DATE:	PROJ. NO.:	PRM

DWG. NO. PRM-D04  
PROJ. NO. PRM



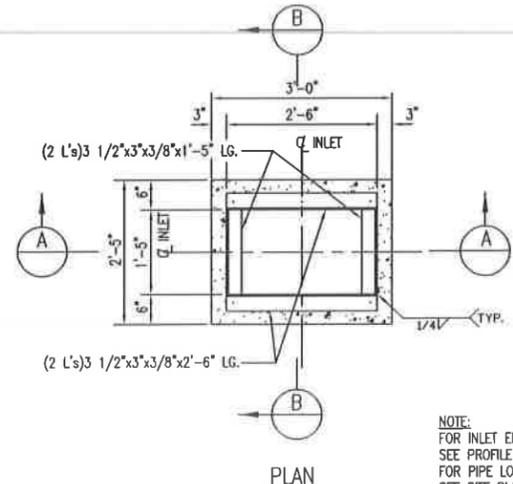
PROFILE INLETS A1, A2, 5, 4, 3, 2 AND 1

1" = 20' HORIZ.  
1" = 5' VERT.



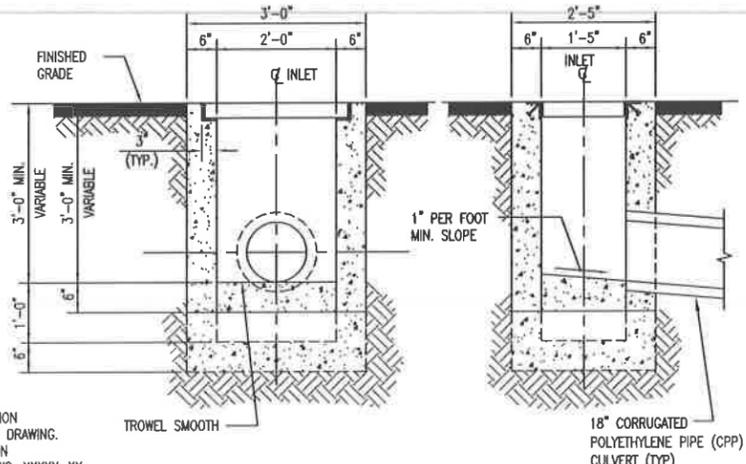
PROFILE INLETS 1-2, 1-1 AND 1

1" = 20' HORIZ.  
1" = 5' VERT.



PLAN

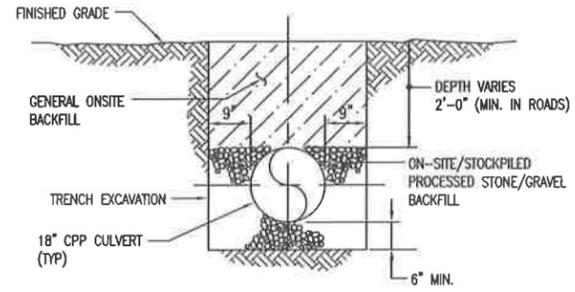
NOTE:  
FOR INLET ELEVATION  
SEE PROFILE THIS DRAWING.  
FOR PIPE LOCATION  
SEE SITE PLAN DWG. XXXXX-XX.



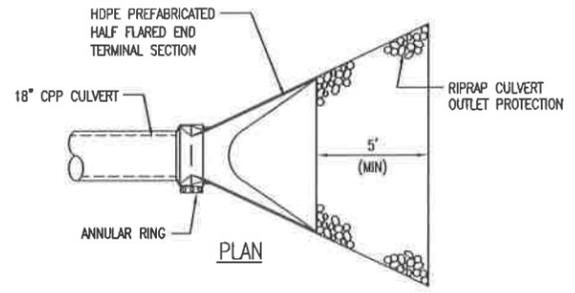
A DROP INLET/CATCH BASIN SECTION AT STABILIZATION BUILDING  
SCALE: 3/4" = 1'-0"

B DROP INLET/CATCH BASIN SECTION AT STABILIZATION BUILDING  
SCALE: 3/4" = 1'-0"

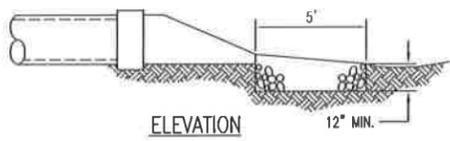
- NOTES:
1. ALL INLET/CATCH BASIN CONSTRUCTION SHALL CONFORM TO IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION.
  2. ONE INCH SIDE DRAFT SHALL BE ALLOWED FOR FORM REMOVAL IN THE CASE OF CAST IN PLACE CONCRETE DROP INLETS.
  3. STEEL GRATES SHALL MEET THE REQUIREMENTS OF ASTM A-36.
  4. ANGLES SHALL BE SET SO THAT EACH BEARING BAR OF PREFABRICATED GRATE SHALL HAVE FULL BEARING ON BOTH ENDS. THE FINISHED TOP OF CONCRETE SHALL BE FLUSH WITH THE GRATE SURFACE.
  5. STRUCTURAL STEEL NEED NOT BE PAINTED.
  6. THE GRADE LINE OF THE TOP INSIDE OF ANY CULVERT SHALL ENTER AT A POINT NO LOWER THAN THE GRADE LINE OF THE TOP INSIDE OF THE OUTLET PIPE.
  7. THE DETAILS ON THIS DRAWING ARE TYPICAL OF THE EXISTING STORM WATER DROP INLETS AND CULVERTS LOCATED AT THE STABILIZATION BUILDING. (DROP INLETS 1-5, A1-A3, 1-1 AND 1-2 AND CULVERTS P24-P27 AND P31-P36 ARE EXISTING STORM WATER STRUCTURE WHICH WERE CONSTRUCTED DURING PHASE 1 OF STABILIZATION BUILDING)



STORM DRAINAGE CULVERT SECTION AT STABILIZATION BUILDING  
N.T.S.

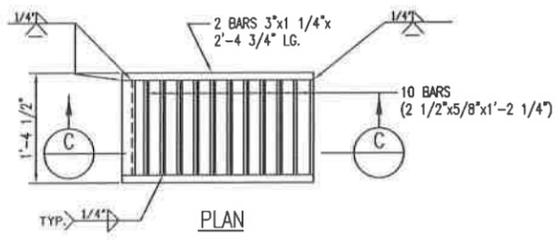


PLAN



ELEVATION

CULVERT INLET/OUTLET PROTECTION DETAIL AT STABILIZATION BUILDING  
N.T.S.



PLAN

C GRATE A (STEEL)  
SCALE: 1" = 1'-0"

REV.	BY	CHK'D	DATE	DESCRIPTION	PROJ. ENGR.	DATE	DATE
B	MM	-	1/2/98	2003 PERMIT RENEWAL	-	MM	1/2/98
A	MM	-	7/7/98	ISSUED FOR PART B PERMIT RENEWAL APPLICATION 06/12/98	-	MM	7/7/98

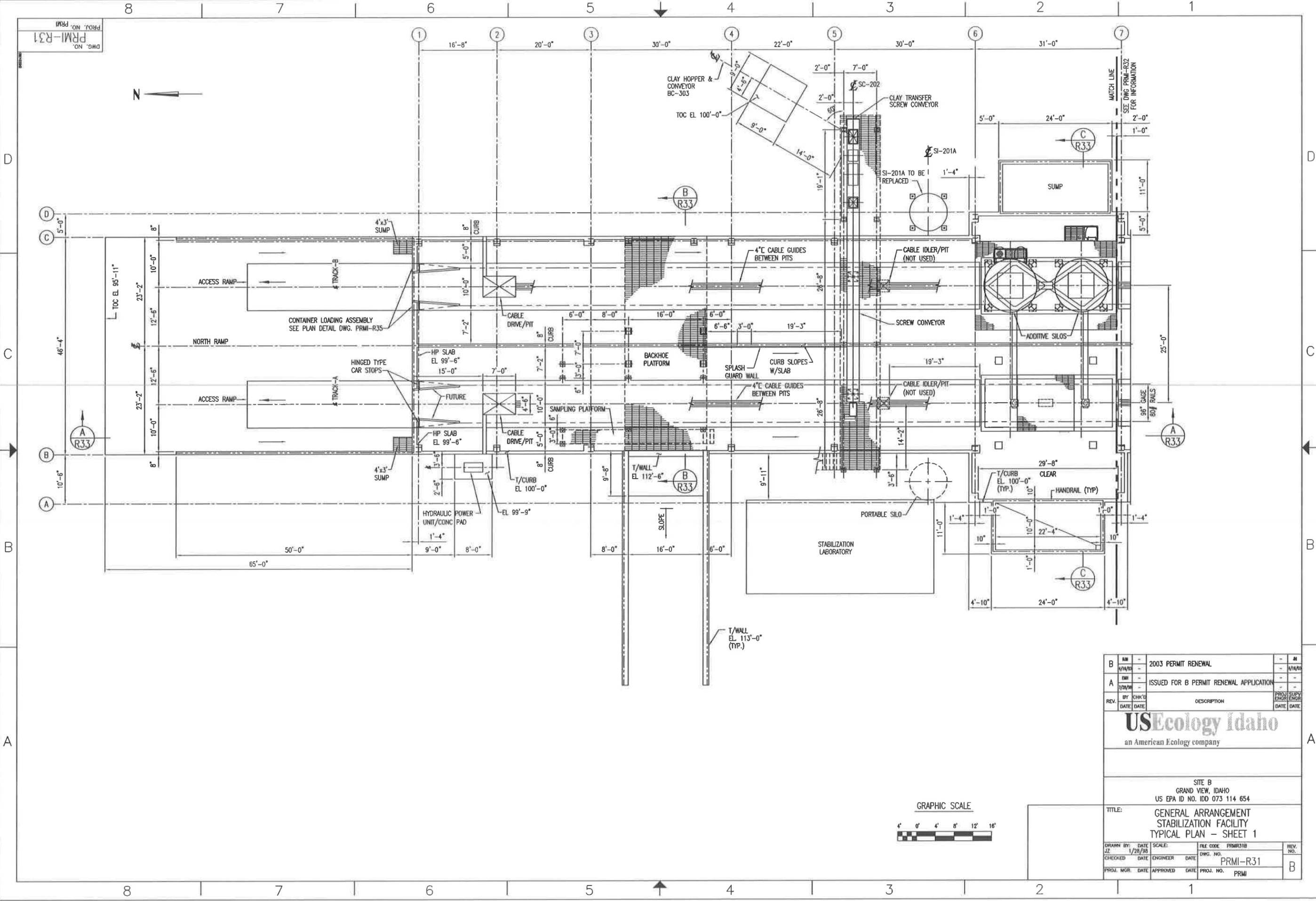
**USEcology Idaho**  
an American Ecology company

SITE B  
GRAND VIEW, IDAHO  
US EPA ID NO. IDD 073 114 654

TITLE:  
CIVIL  
CONTAINMENT BUILDING (STABILIZATION AREA)  
TYPICAL STORM DRAIN PROFILES AND DETAILS

DRAWN BY	DATE	SCALE	FILE CODE	INDICATOR	REV. NO.
MM	3/05/98	1" = 1'-0"	PRM-D04		B
CHECKED	DATE	ENGINEER	DATE	PROJ. NO.	PRM
MM					

DWG. NO. PRM-R31  
 PROJ. NO. PRM

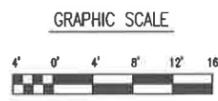


REV.	DATE	DESCRIPTION	BY	CHK'D	DATE	DATE
B	4/14/03	2003 PERMIT RENEWAL				
A	7/24/03	ISSUED FOR B PERMIT RENEWAL APPLICATION				

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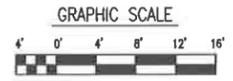
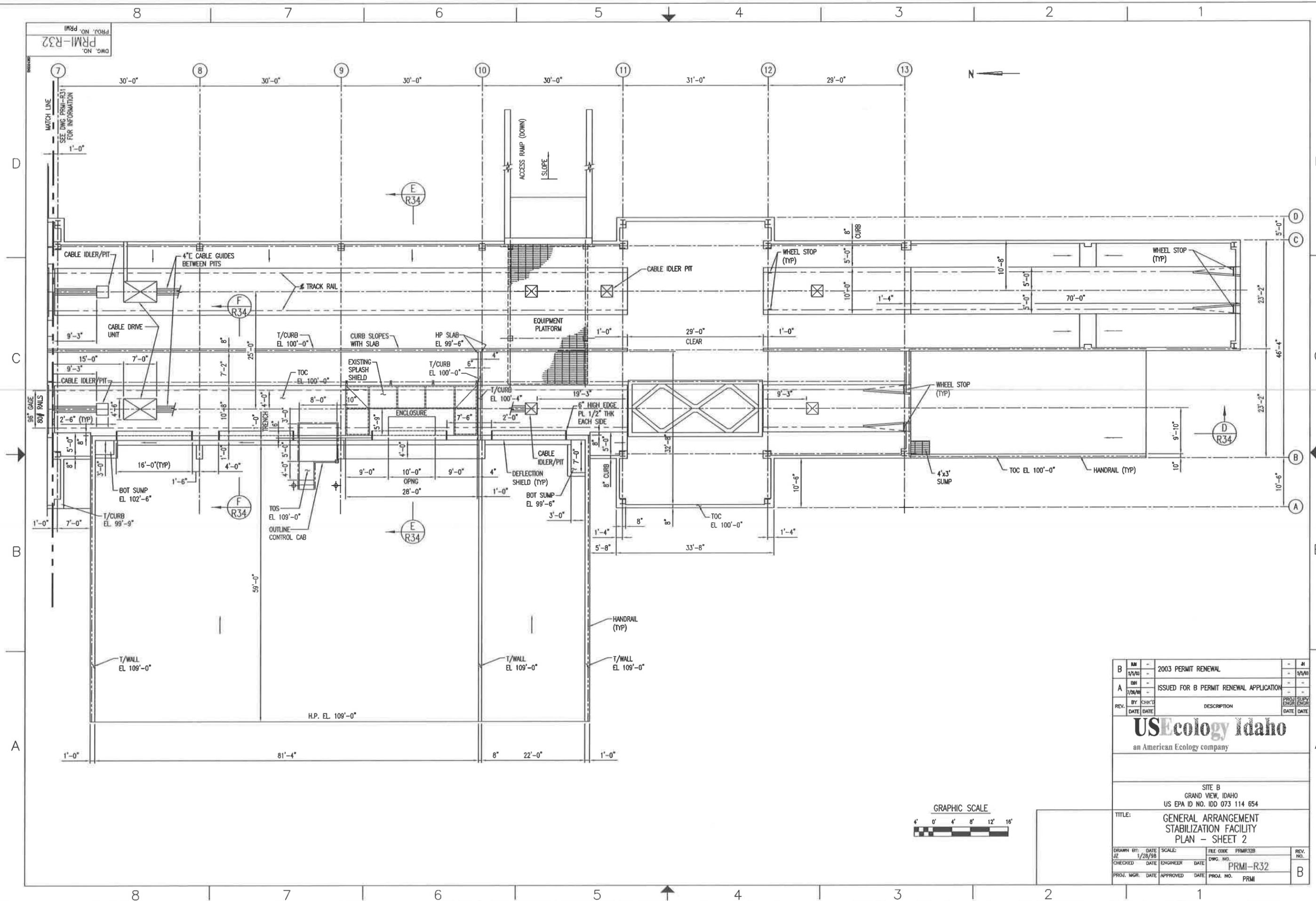
SITE B  
 GRAND VIEW, IDAHO  
 US EPA ID NO. IDD 073 114 654

TITLE:  
 GENERAL ARRANGEMENT  
 STABILIZATION FACILITY  
 TYPICAL PLAN - SHEET 1



DRAWN BY:	DATE:	SCALE:	FILE CODE:	REV. NO.:
JZ	1/28/98		PRM031B	
CHECKED:	DATE:	ENGINEER:	DATE:	DWG. NO.:
				PRM-R31
PROJ. MGR.:	DATE:	APPROVED:	DATE:	PROJ. NO.:
				PRM

DWG. NO. PRM-R32  
 PROJ. NO. PRM



REV.	DATE	DESCRIPTION	PROJ. SUPPLY
B	5/5/03	2003 PERMIT RENEWAL	-
A	7/29/02	ISSUED FOR B PERMIT RENEWAL APPLICATION	-
BY	CHK'D		DATE
DATE	DATE		DATE

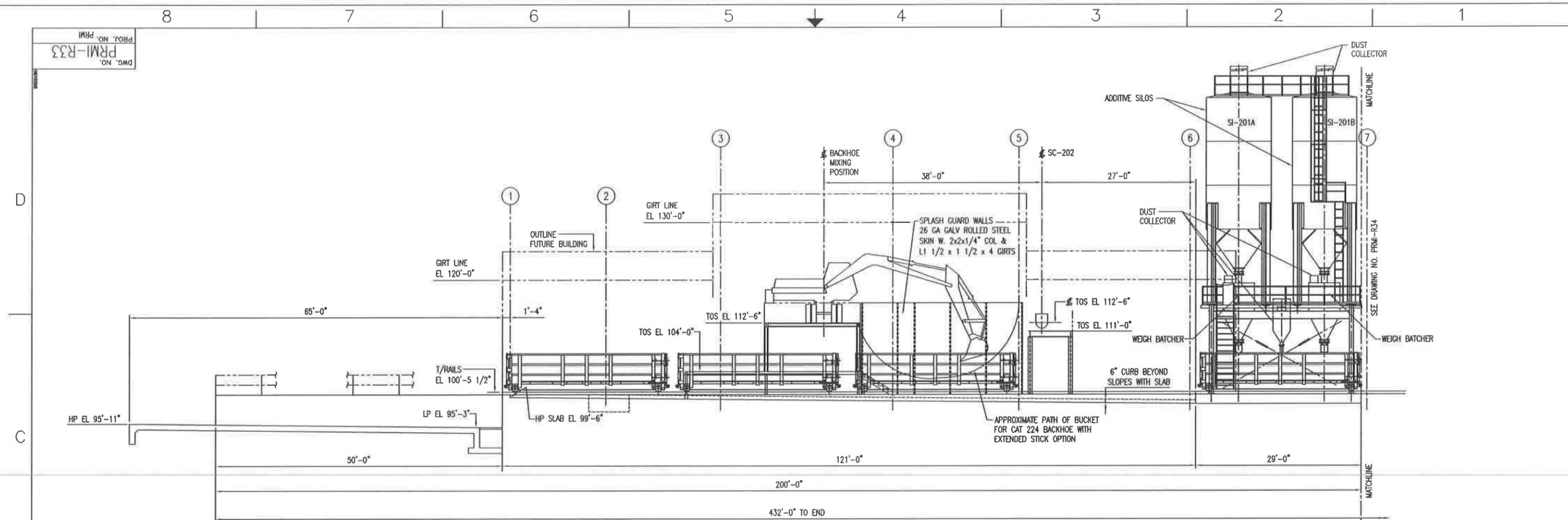
**USEcology Idaho**  
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SITE B  
 GRAND VIEW, IDAHO  
 US EPA ID NO. IDD 073 114 654

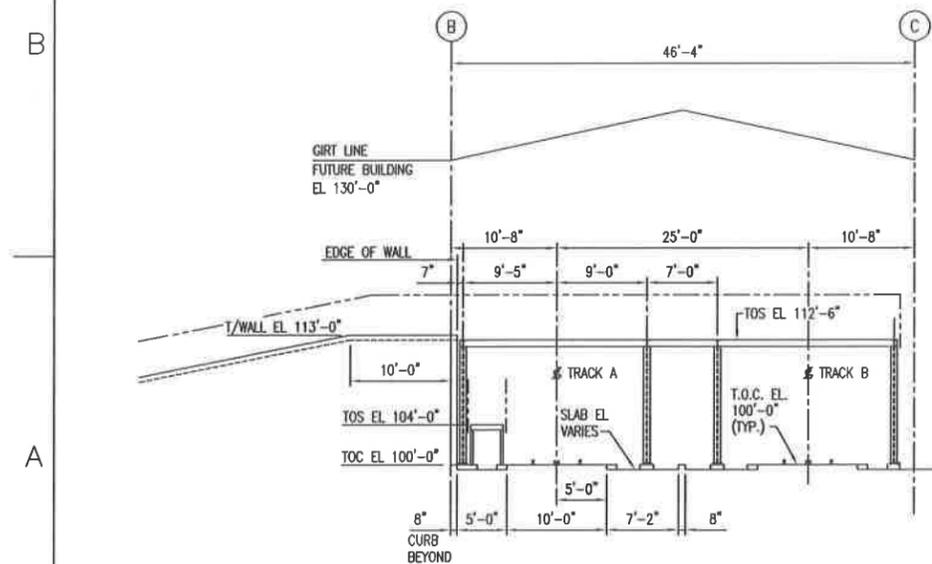
TITLE: GENERAL ARRANGEMENT  
 STABILIZATION FACILITY  
 PLAN - SHEET 2

DRAWN BY:	DATE:	SCALE:	FILE CODE:	PRM/R32B	REV. NO.:
JZ	1/28/98		DWG. NO.:	PRM-R32	B
CHECKED:	DATE:	ENGINEER:	DATE:	PROJ. NO.:	PRM
PROJ. MGR.:	DATE:	APPROVED:	DATE:	PROJ. NO.:	PRM

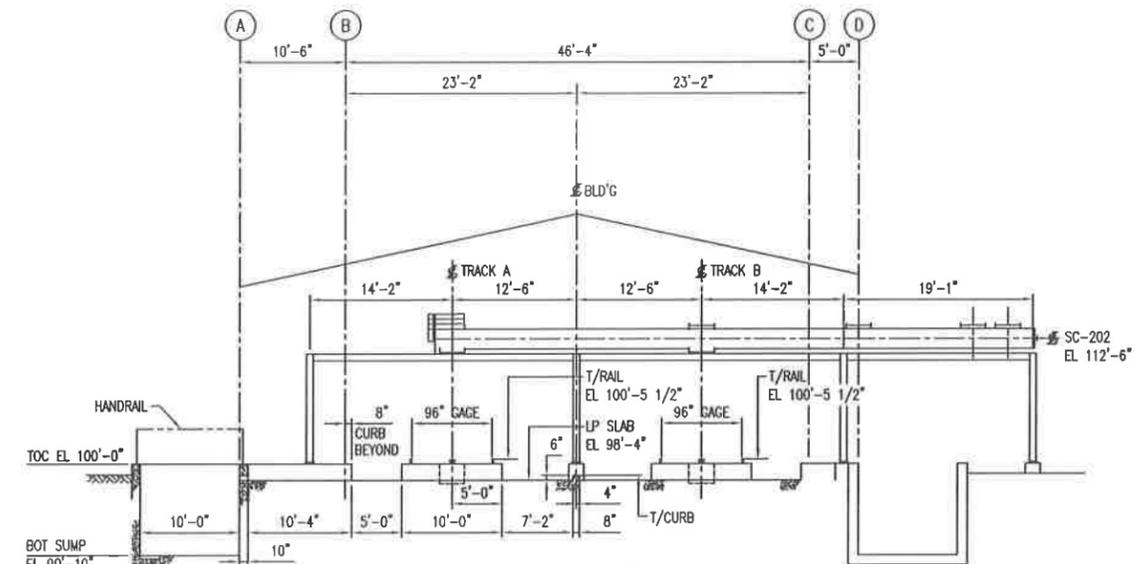
DWG. NO. PRM-R33  
 PROJ. NO. PRM



SECTION A  
 SCALE: 1/8"=1'-0" R31



SECTION B  
 SCALE: 1/8"=1'-0" R31



SECTION C  
 SCALE: 1/8"=1'-0" R31

REV.	DATE	DESCRIPTION	PROJ. ENGR. DATE	ENGR. DATE
B	5/2/03	2003 PERMIT RENEWAL		
A	7/24/03	ISSUED FOR B PERMIT RENEWAL APPLICATION		

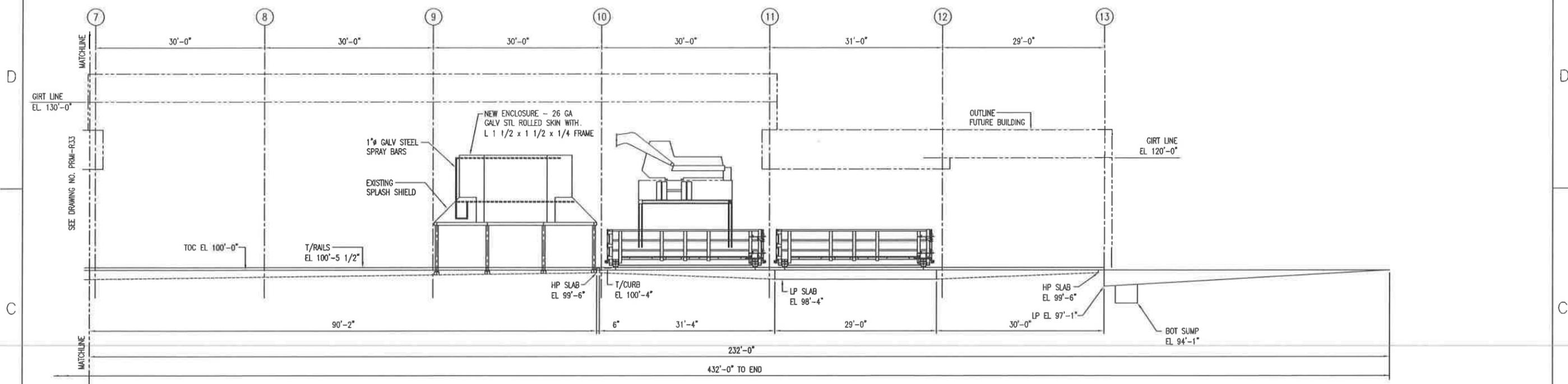
**USEcology Idaho**  
 an American Ecology company

DRAWN BY: JZ		DATE: 4/09/98	SCALE:	FILE CODE: PRM-R33	REV. NO.:
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PROJ. MGR.:	DATE:	APPROVED:	DATE:	PROJ. NO.:	PRM

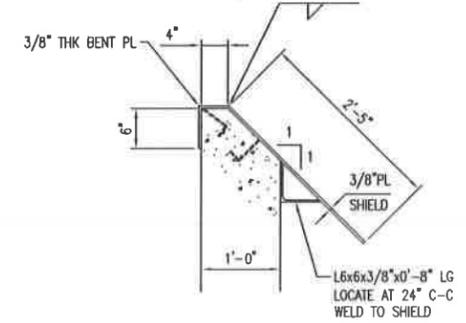
SITE B  
 GRAND VIEW, IDAHO  
 US EPA ID NO. IDD 073 114 654

TITLE: GENERAL ARRANGEMENT STABILIZATION FACILITY SECTIONS - SHEET 1

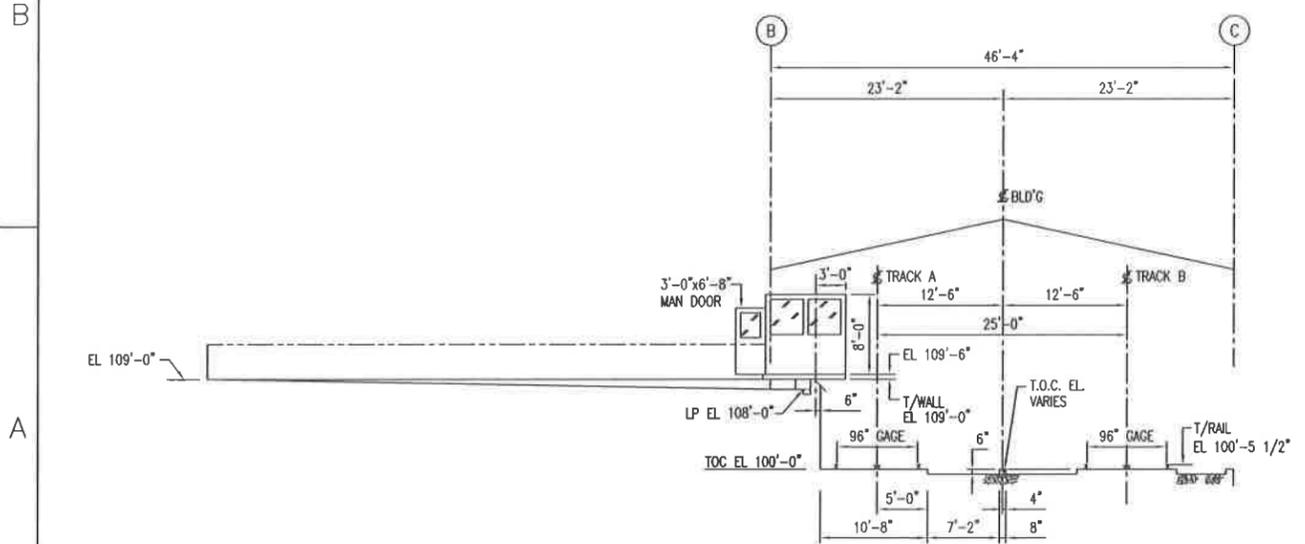
PRM-R34  
 DWG. NO.  
 PROJ. NO.



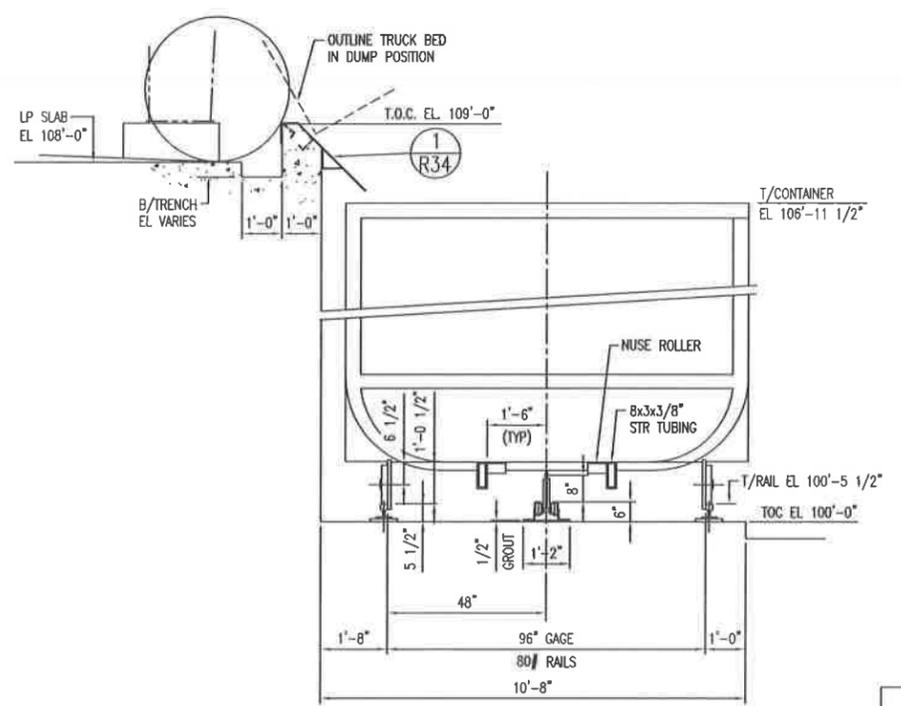
SECTION **D**  
 SCALE: 1/8"=1'-0" R32



DEFLECTION SHIELD  
 TYP 4 PLACES  
 DETAIL **1**  
 SCALE: 1"=1'-0" R34



SECTION **E**  
 SCALE: 1/8"=1'-0" R32



SECTION **F**  
 SCALE: 1/2"=1'-0" R32

REV.	BY	CHK'D	DATE	DATE	DESCRIPTION	PROJ. ENGR.	SUPV. ENGR.
B	JZ		4/14/98		2003 PERMIT RENEWAL		
A	JZ		1/2/98		ISSUED FOR B PERMIT RENEWAL APPLICATION		

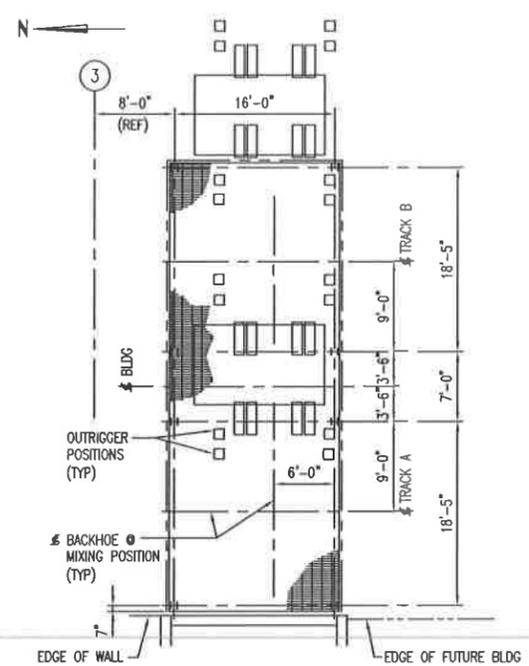
**USEcology Idaho**  
 an American Ecology company

SITE B  
 GRAND VIEW, IDAHO  
 US EPA ID NO. IDD 073 114 654

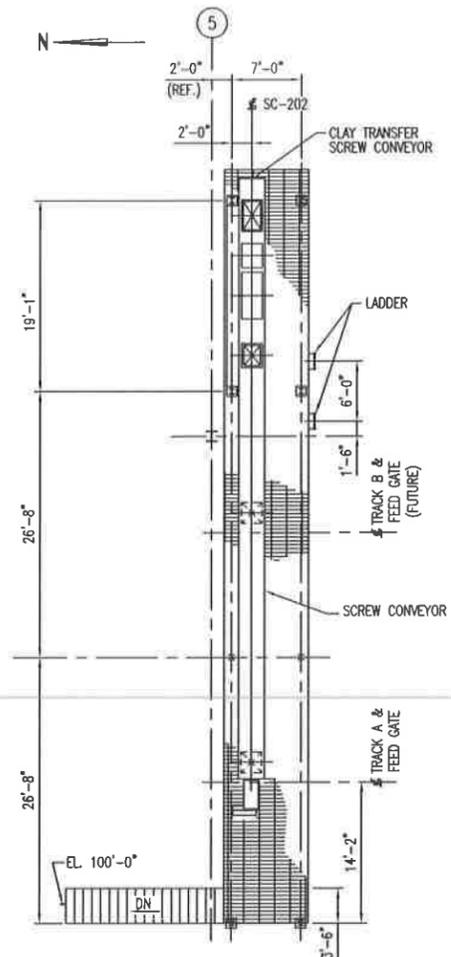
TITLE: GENERAL ARRANGEMENT  
 CONTAINMENT BUILDING (STABILIZATION AREA)  
 TYPICAL SECTIONS - SHEET 2

DRAWN BY:	DATE:	SCALE:	FILE CODE:	PRM-R34	REV. NO.:
JZ	4/14/98	1/8"=1'-0"	DWG. NO.:	PRM-R34	B
CHECKED:	DATE:	ENGINEER:	DATE:	PROJ. NO.:	PRM
PROJ. MGR.:	DATE:	APPROVED:	DATE:	PROJ. NO.:	PRM

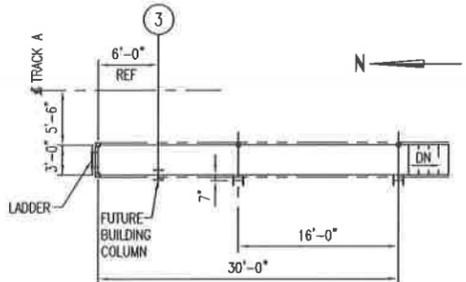
DWG. NO. PRM-R35  
 PROJ. NO. PRM



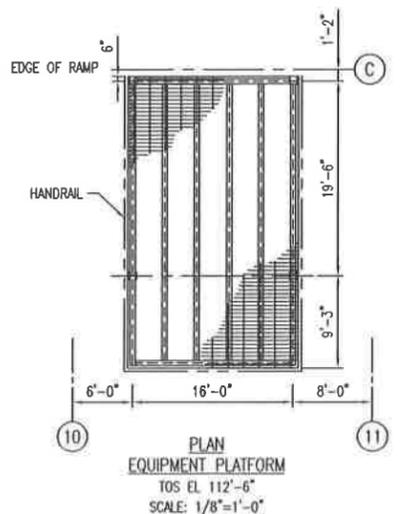
PLAN BACKHOE PLATFORM  
 SCALE: 1/8"=1'-0"  
 TOS EL. 112'-6"



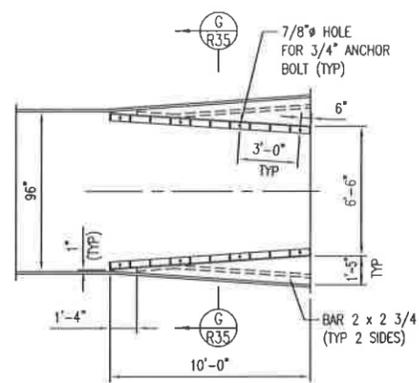
PLAN SCREW CONVEYOR PLATFORM  
 SCALE: 1/8"=1'-0"  
 TOS EL. 111'-0"



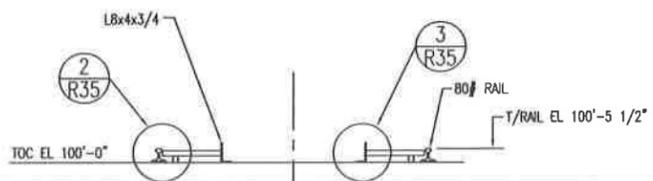
PLAN - SAMPLE ACCESS PLATFORM  
 TOS EL. 104'-0"  
 SCALE: 1/8"=1'-0"



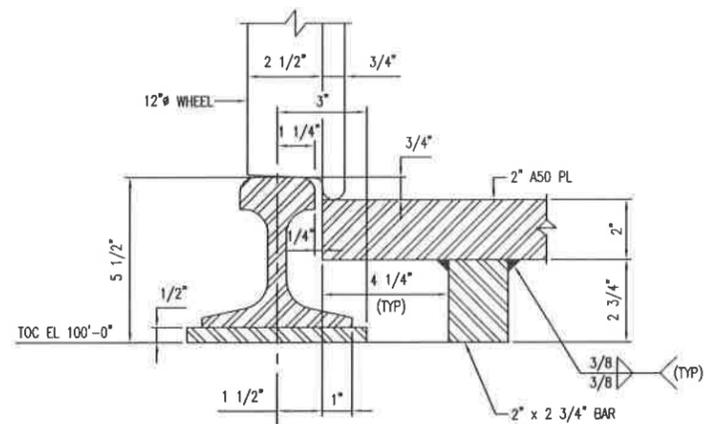
PLAN EQUIPMENT PLATFORM  
 TOS EL. 112'-6"  
 SCALE: 1/8"=1'-0"



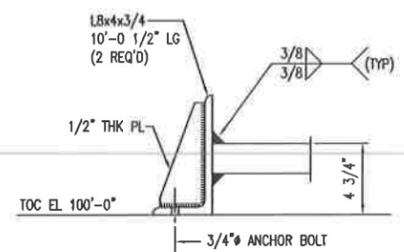
PLAN CONTAINER LOADING ASS'Y  
 SCALE: 1/4"=1'-0"



SECTION G  
 SCALE: 3/8"=1'-0"



DETAIL 2  
 SCALE: 3/8"=1"



DETAIL 3  
 SCALE: 3/16"=1"

REV.	DATE	DESCRIPTION	BY	CHK'D	DATE	DATE	DATE
B	5/3/03	2003 PERMIT RENEWAL					
A	1/28/03	ISSUED FOR B PERMIT RENEWAL APPLICATION					

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SITE B  
 GRAND VIEW, IDAHO  
 US EPA ID NO. IDD 073 114 654

TITLE: GENERAL ARRANGEMENT  
 STABILIZATION FACILITY  
 SECTIONS - SHEET 3

DRAWN BY:	DATE:	SCALE:	FILE CODE:	PRM/R35	REV. NO.:
JZ	1/28/98		DWG. NO.:	PRM-R35	B
CHECKED:	DATE:	ENGINEER:	DATE:	APPROVED:	DATE:
				PRM	

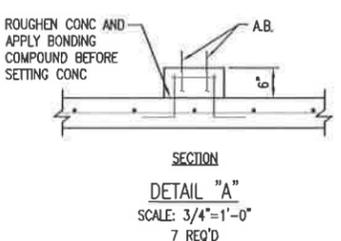
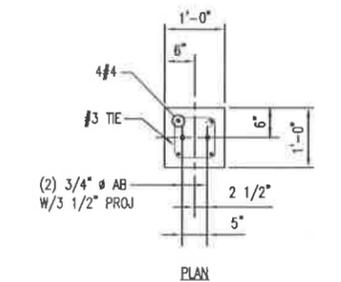
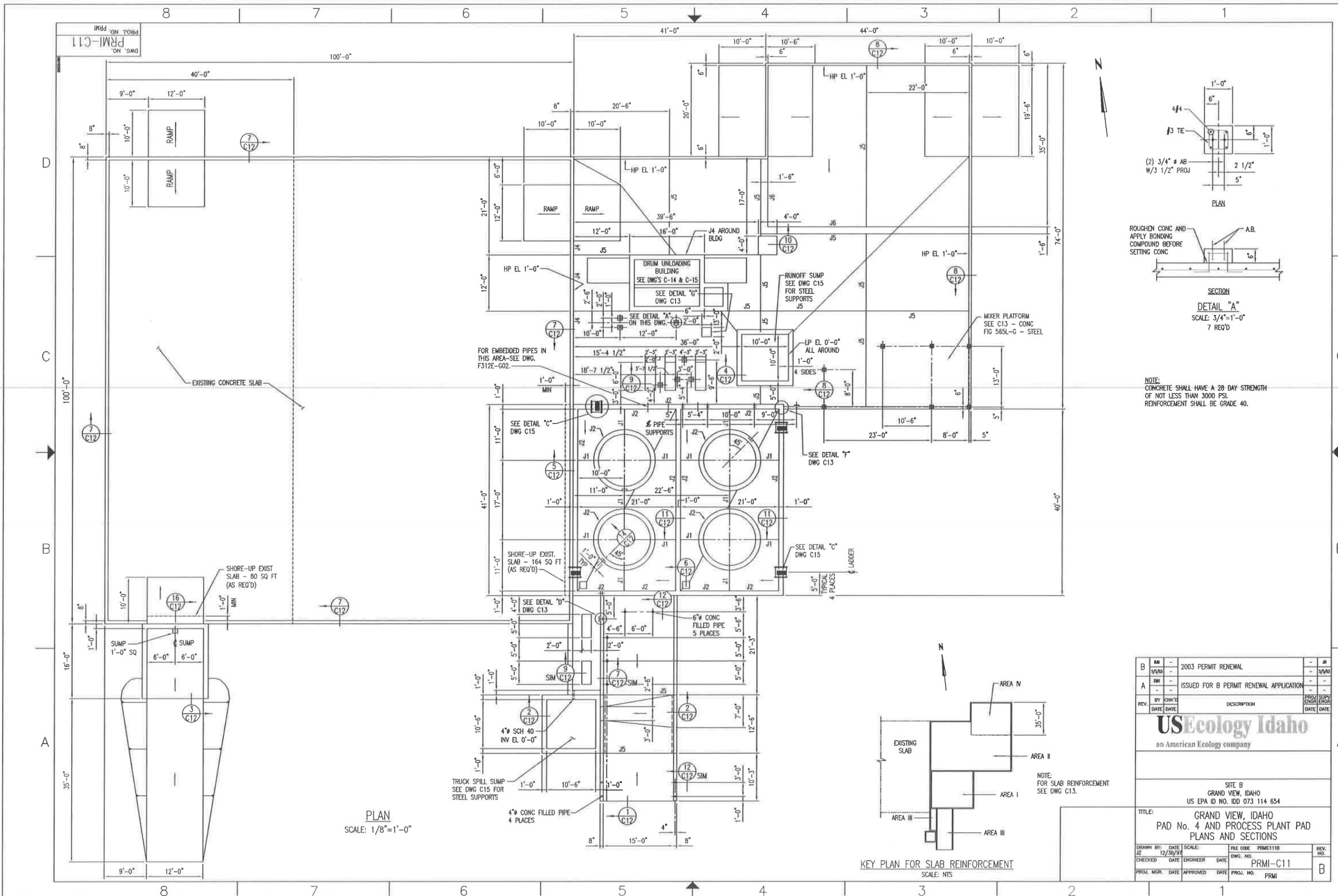
May 2014 USEI Permit  
Application Section  
Reference

Drawing Number

Drawing Title

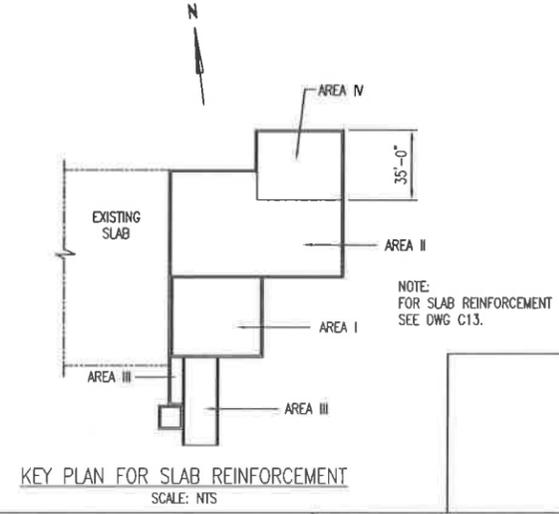
Container Management Units, Storage Pads, and RCRA/TSCA/PCB Processing and Storage Building

PRMI-C11	Grand View Idaho - Storage Pad No. 4 and Process Plant Pad Plans and Sections (Note: Includes Leachate Tanks)	C, D, I
PRMI-C12	Civil - Container Storage Area Pad No. 4 and Process Plant Pad Sections	C, D, I
PRMI-C13	Civil - Container Storage Area Pad No. 4 and Process Plant Pad Sections & Details	C, D, I
PRMI-C14	Civil- Container Storage Area Pad No. 4 and Process Plant Pad Plans and Sections	I
PRMI-C15	Civil - Container Storage Area Pad No. 4 and Process Plant Pad Plans, Sections and Details	I
PRMI-C16	Civil - Container Storage Pad No. 7 Storage and Processing Areas Grading Plan	C, D, I
PRMI-C17	Civil - Container Storage Pad No. 7 Storage and Processing Areas Sections and Details	C, D, I
PRMI-R11	Typical General Arrangement Container Storage Areas PAD NOS. 4 & 5 and Plant PAD	C, D, I



NOTE:  
CONCRETE SHALL HAVE A 28 DAY STRENGTH  
OF NOT LESS THAN 3000 PSI.  
REINFORCEMENT SHALL BE GRADE 40.

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



REV.	BY	CHK'D	DATE	DATE	DESCRIPTION	PROJ. ENGR.	DATE	DATE
B					2003 PERMIT RENEWAL			
A					ISSUED FOR B PERMIT RENEWAL APPLICATION			

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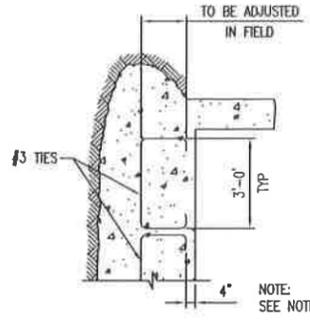
SITE B  
GRAND VIEW, IDAHO  
US EPA ID NO. IDD 073 114 654

TITLE: GRAND VIEW, IDAHO  
PAD No. 4 AND PROCESS PLANT PAD  
PLANS AND SECTIONS

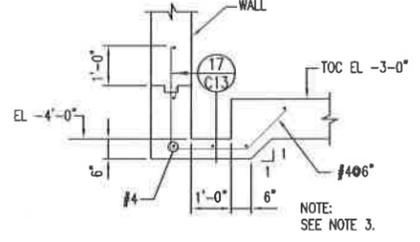
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PROJ. MGR.	DATE:	APPROVED:	DATE:	PROJ. NO.	PRM



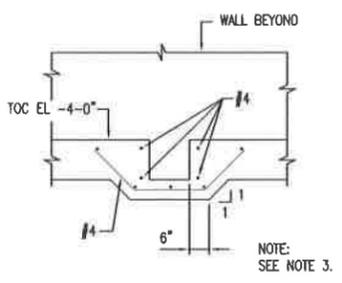
PRM-C13  
 PRM  
 ON  
 DWG. NO.



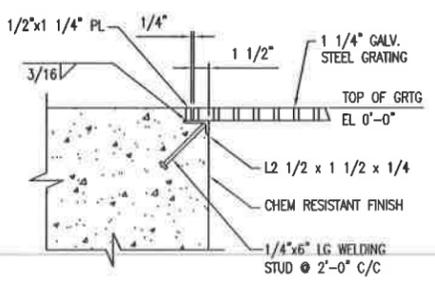
SECTION 15  
 SCALE: 3/8"=1'-0" C12



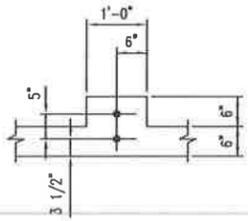
SECTION 16  
 SCALE: 1/2"=1'-0" C11



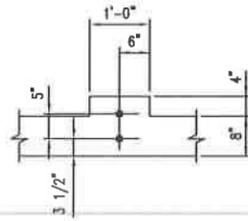
SECTION 17  
 SCALE: 1/2"=1'-0" C13



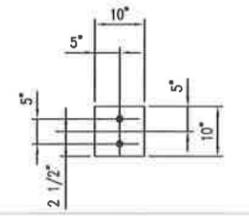
DETAIL B  
 SCALE: 1 1/2"=1'-0" C11



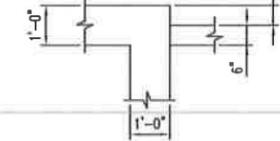
DETAIL C  
 SCALE: 3/4"=1'-0" C11



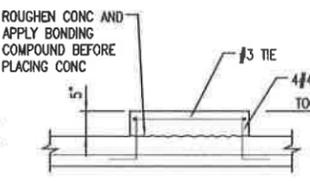
DETAIL D  
 SCALE: 3/4"=1'-0" C11



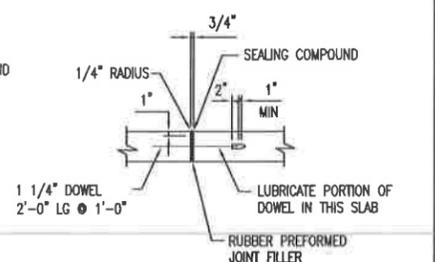
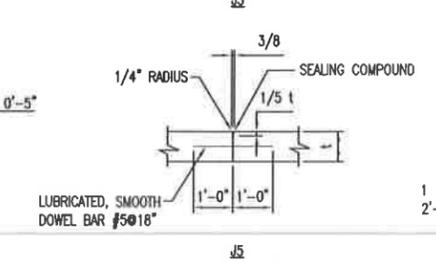
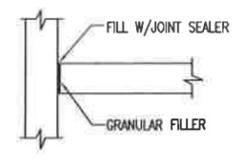
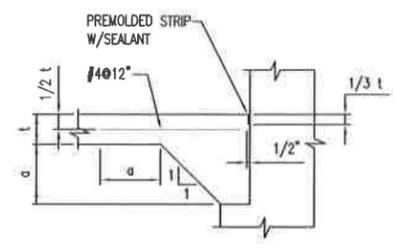
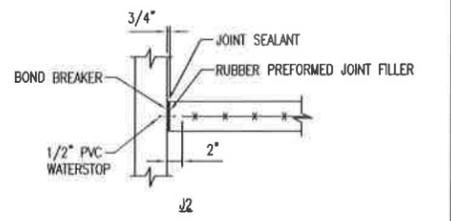
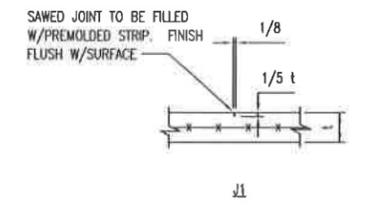
DETAIL E  
 SCALE: 3/4"=1'-0" C11  
 7 PLACES



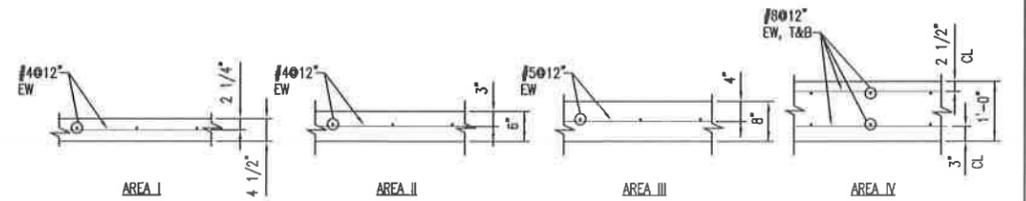
DETAIL F  
 SCALE: 1/2"=1'-0" C11



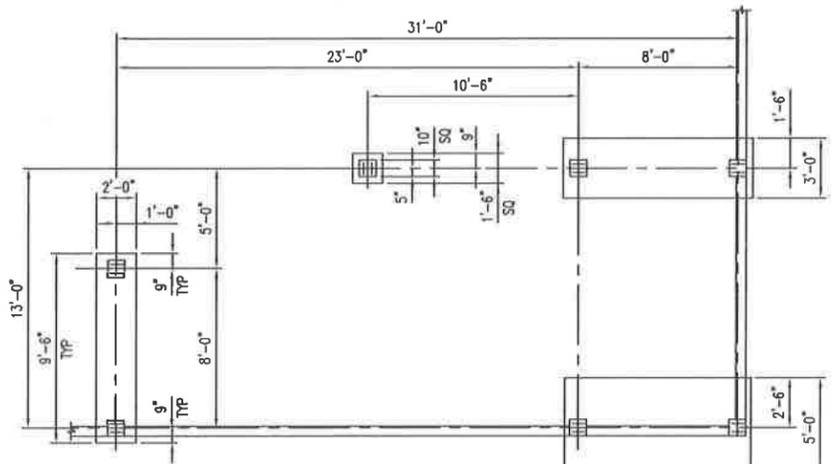
DETAIL G  
 SCALE: 3/4"=1'-0" C11



TYPICAL JOINT DETAILS  
 SCALE: NTS

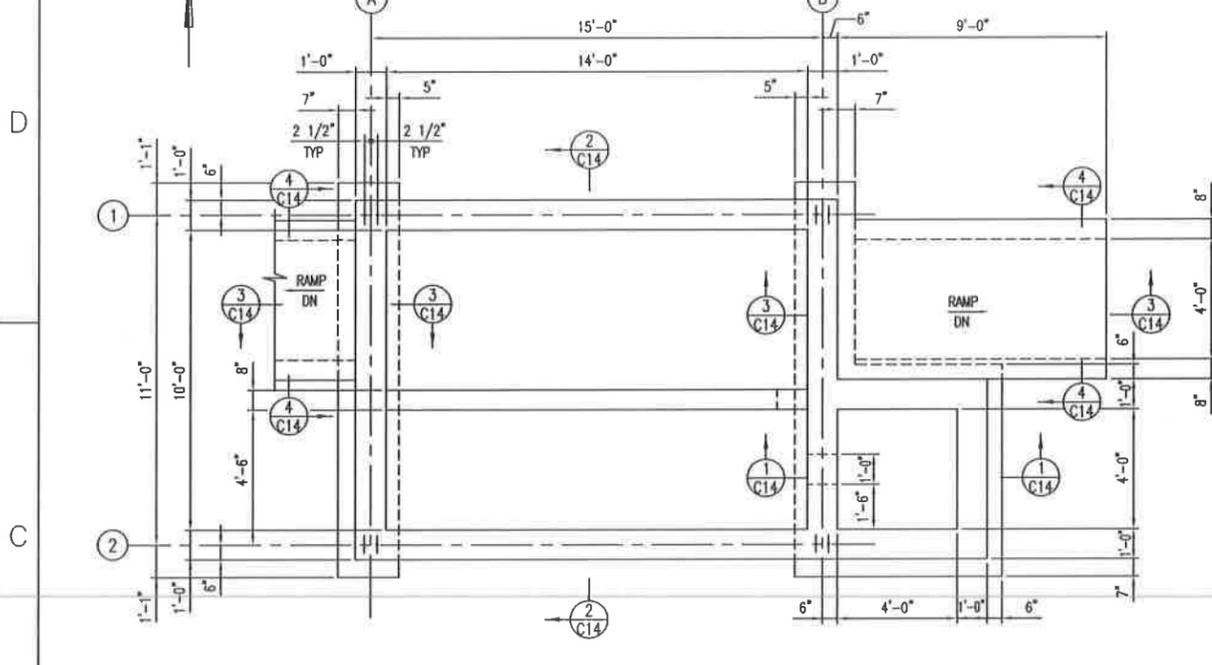
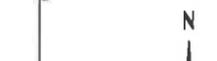


SLAB REINFORCEMENT DETAILS  
 SCALE: 3/4"=1'-0"

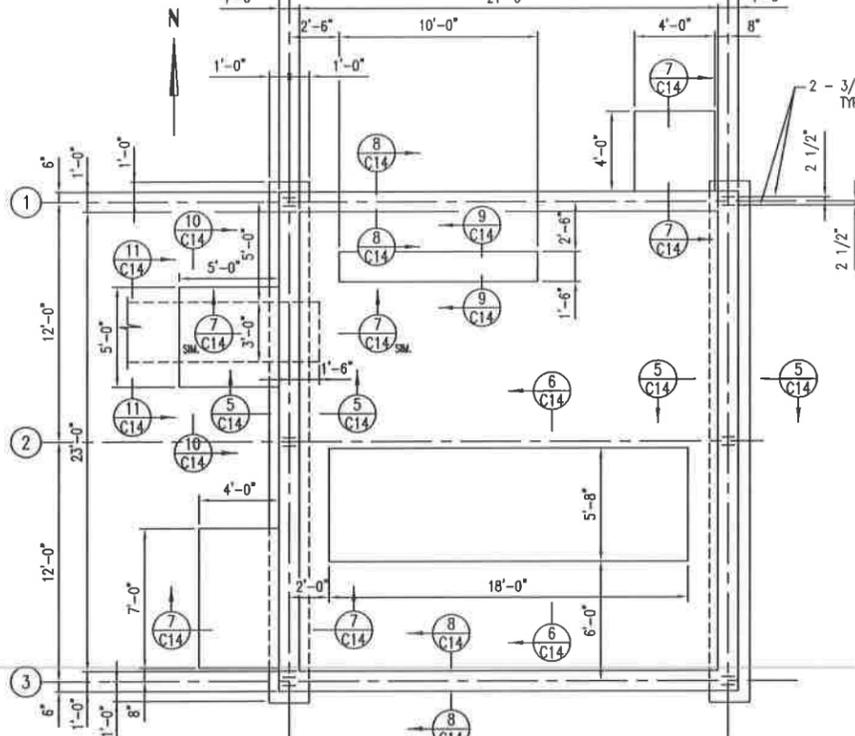


MIXER PLATFORM FOUNDATION PLAN  
 SCALE: 1/4"=1'-0"

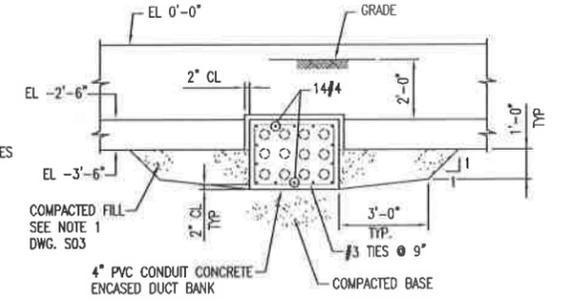
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B	JZ			2003 PERMIT RENEWAL					
A	JZ			ISSUED FOR B PERMIT RENEWAL APPLICATION					
<b>USEcology Idaho</b> an American Ecology company									
SITE B GRAND VIEW, IDAHO US EPA ID NO. IDD 073 114 654									
TITLE: CIVIL - CONTAINER STORAGE AREA PAD No. 4 AND PROCESS PLANT PAD SECTIONS & DETAILS									
DRAWN BY:	DATE:	SCALE:	FILE CODE:	PRM-C13	REV. NO.:				
JZ	01/14/98				B				
CHECKED:	DATE:	ENGINEER:	DATE:	DWG. NO.:	PRM-C13				
PROJ. MGR.:	DATE:	APPROVED:	DATE:	PROJ. NO.:	PRM				



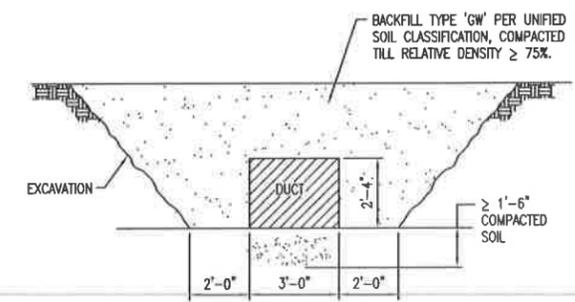
DRUM UNLOADING BUILDING FOUNDATION PLAN  
 SCALE: 3/8"=1'-0"



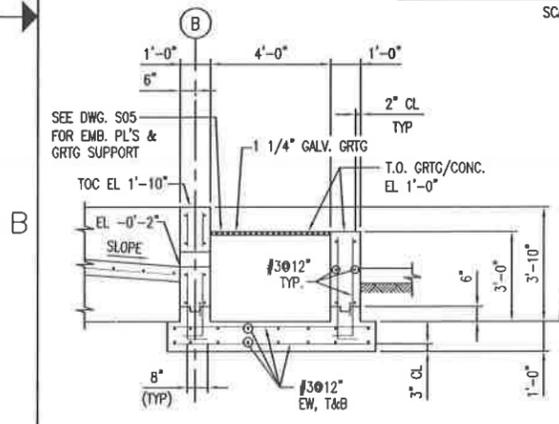
SERVICE BUILDING FOUNDATION PLAN  
 SCALE: 1/4"=1'-0"



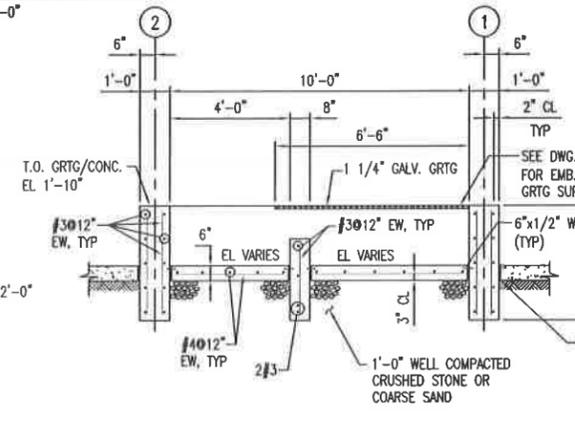
SECTION 10  
 SCALE: 3/8"=1'-0"



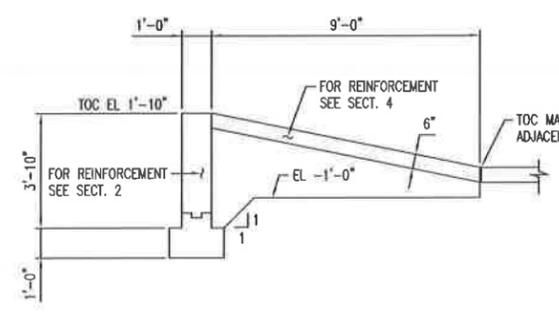
SECTION 11  
 SCALE: 3/8"=1'-0"



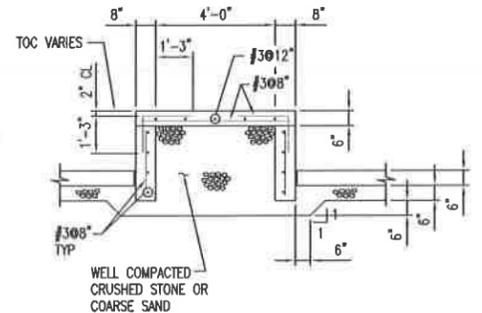
SECTION 1  
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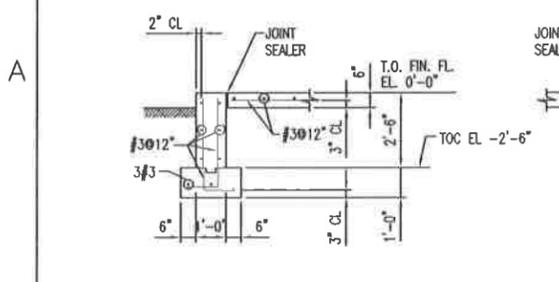
SECTION 2  
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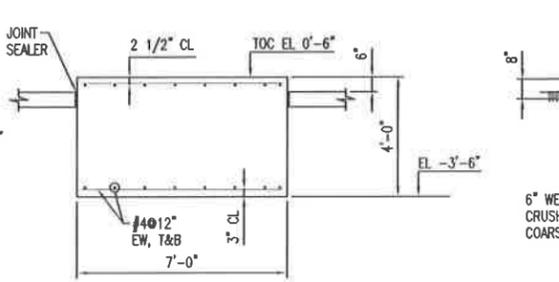
SECTION 3  
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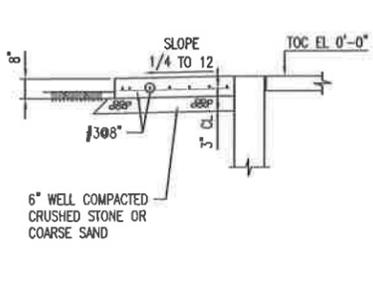
SECTION 4  
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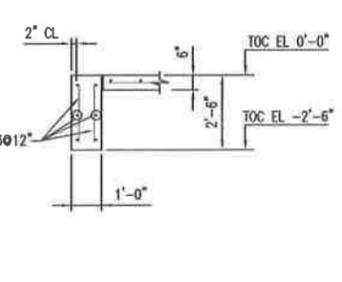
SECTION 5  
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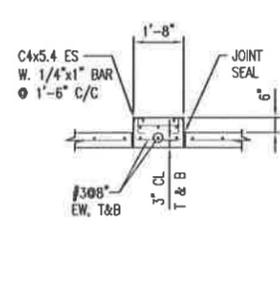
SECTION 6  
 SCALE: 3/8"=1'-0"



SECTION 7  
 SCALE: 3/8"=1'-0"



SECTION 8  
 SCALE: 3/8"=1'-0"



SECTION 9  
 SCALE: 3/8"=1'-0"

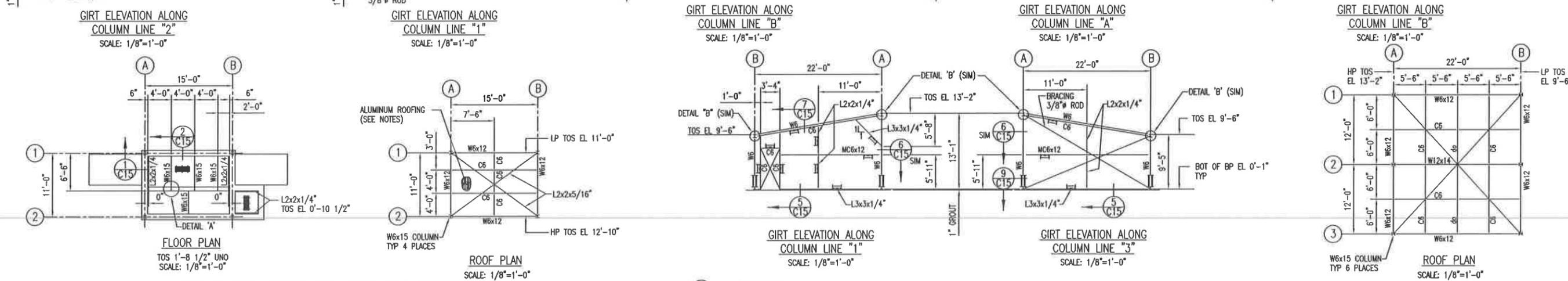
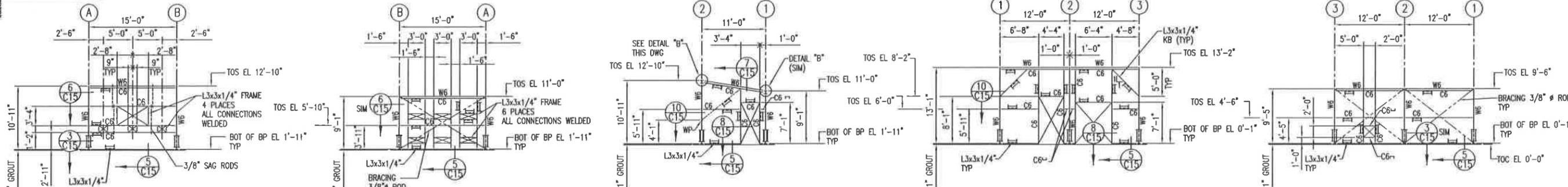
REV.	BY	CHK'D	DATE	DESCRIPTION	DATE	DATE	DATE
B	MM	-	-	2003 PERMIT RENEWAL	-	-	-
A	MM	-	-	ISSUED FOR B PERMIT RENEWAL APPLICATION	-	-	-

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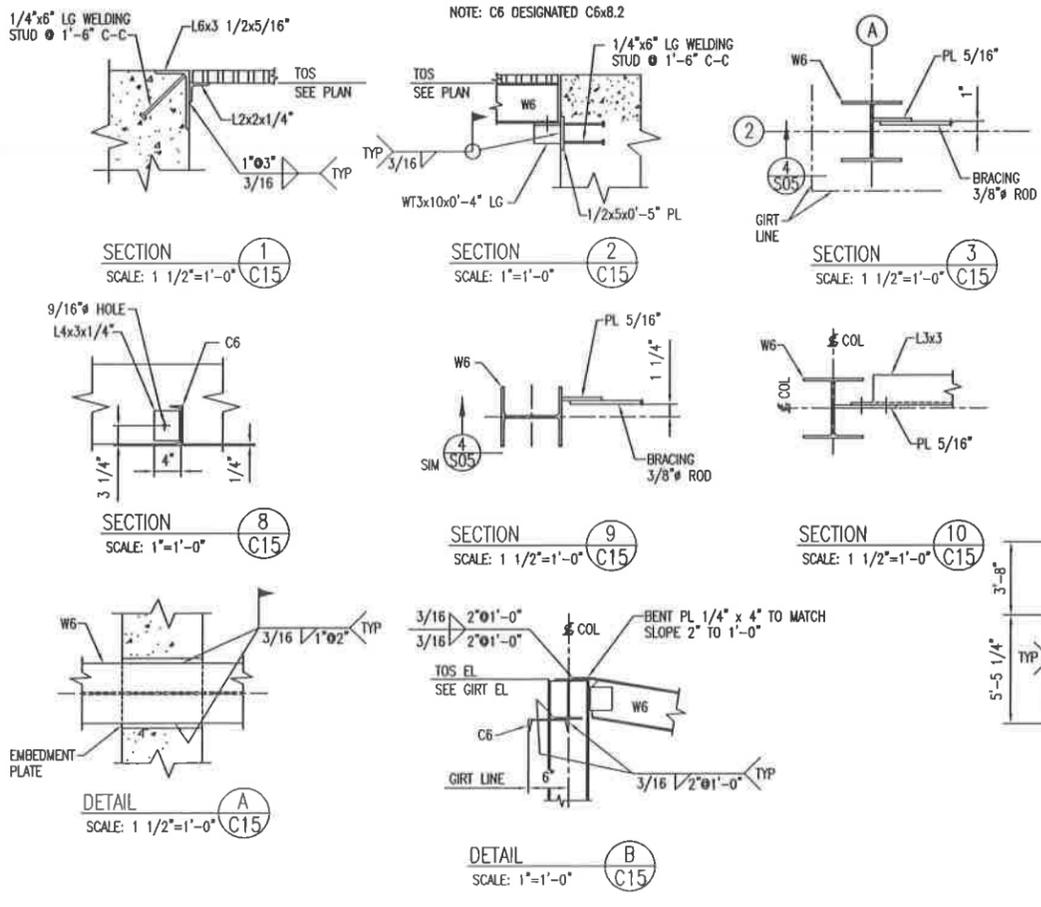
SITE B  
 GRAND VIEW, IDAHO  
 US EPA ID NO. IDD 073 114 654

TITLE: CIVIL - CONTAINER STORAGE AREA  
 PAD No. 4 AND PROCESS PLANT PAD  
 PLANS AND SECTIONS

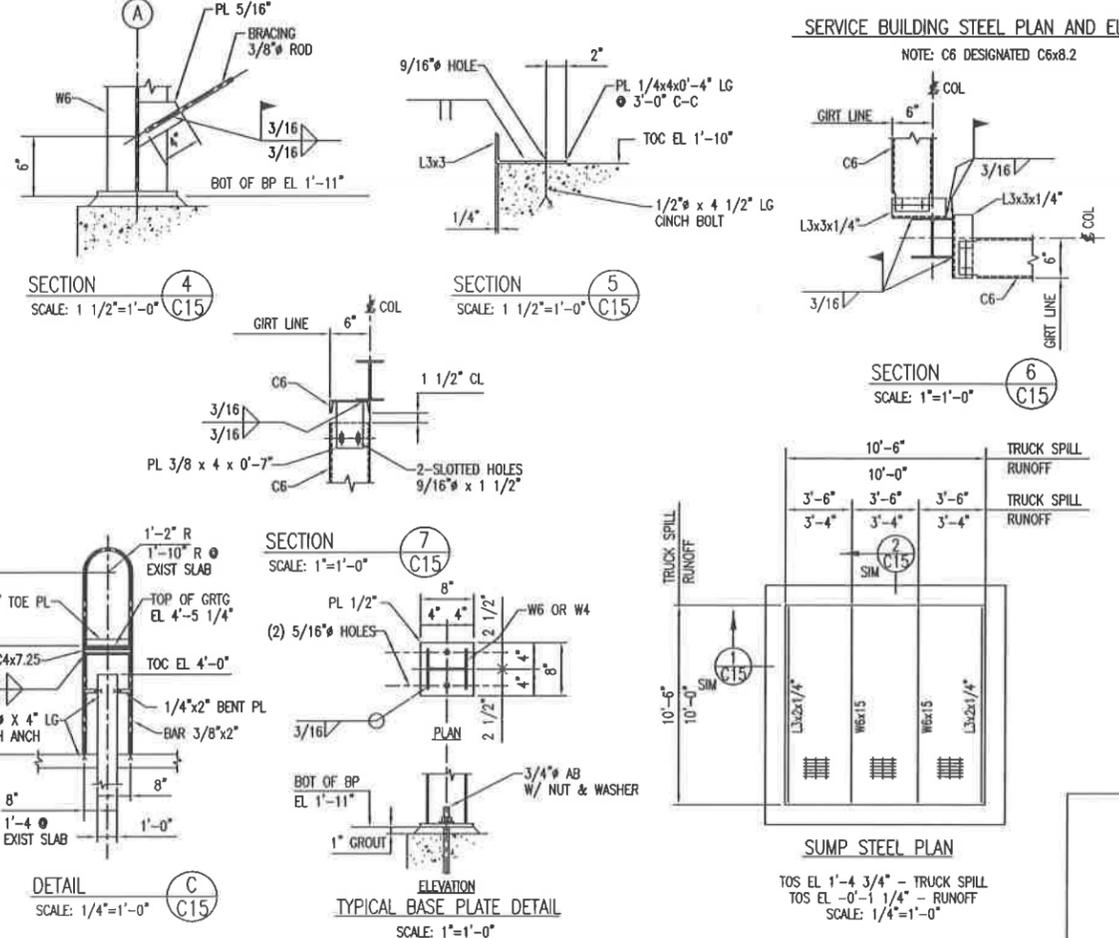
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JZ	12/30/97		DWG. NO.:	PRM-C14	B
CHECKED:	DATE:	ENGINEER:	DATE:	PRM	
PROJ. MGR.:	DATE:	APPROVED:	DATE:	PRM	



DRUM UNLOADING BUILDING STEEL PLANS AND ELEVATIONS



SERVICE BUILDING STEEL PLAN AND ELEVATIONS



ANCHOR BOLT SCHEDULE						
MARK	TYPE	D	L	H	P	T
AB1	A	3/4"	1'-4"	4"	4"	3"

PROVIDE ONE (1) HEX NUT & ONE (1) WASHER WITH EACH BOLT

NOTES:  
 GRATING - 1 1/4" STEEL GALVANIZED GRATING AS MANUFACTURED BY "GARY GRATING".  
 STRUCT STEEL - ALL STEEL SHALL CONFORM TO ASTM A-36. SEE SPEC 31.  
 HANDRAILS - SHALL BE CONSTRUCTED W/ 1 1/4" GALVANIZED STEEL PIPE.

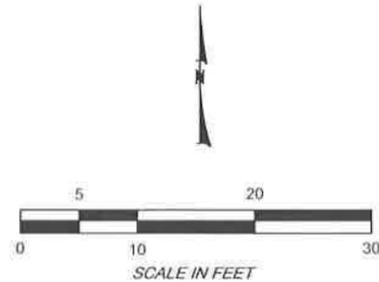
REV.	DATE	DESCRIPTION	BY	CHKD	DATE
B	3/3/03	2003 PERMIT RENEWAL			
A	2/28/03	ISSUED FOR B PERMIT RENEWAL APPLICATION			

**USEcology Idaho**  
 an American Ecology company

SITE B  
 GRAND VIEW, IDAHO  
 US EPA ID NO. IDD 073 114 654

TITLE: CIVIL - CONTAINER STORAGE AREA PAD No. 4 AND PROCESS PLANT PAD PLANS, SECTIONS AND DETAILS

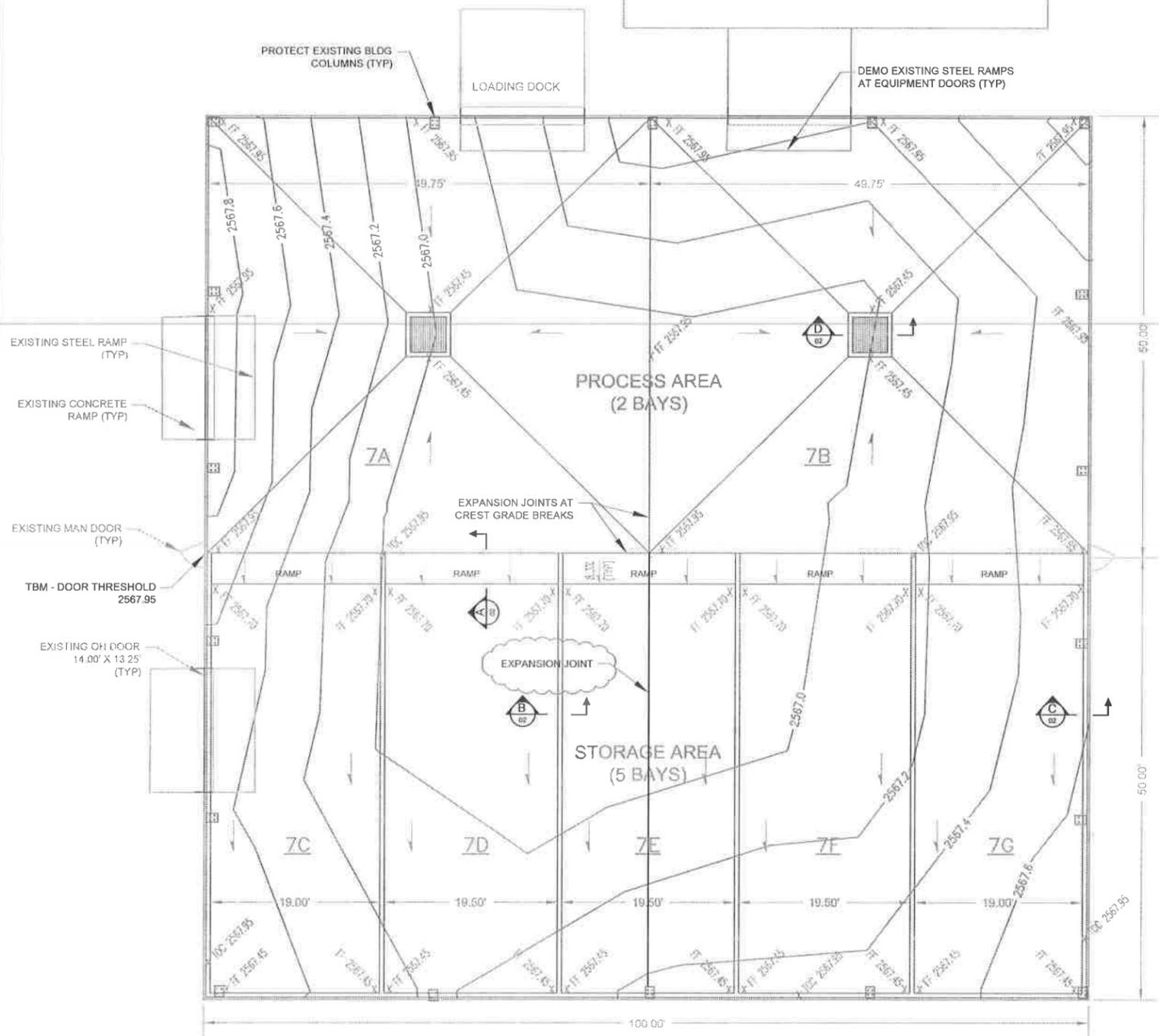
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1Z	1/07/03	ENGINEER:	PRM-C15	
CHECKED:	DATE:	APPROVED:	DATE:	
PROJ. MGR.	DATE:	APPROVED:	DATE:	



**LEGEND**

- FF FINISH FLOOR PLAN ELEVATION
- TOC TOP OF CURB PLAN ELEVATION
- TBM TEMPORARY BENCH MARK
- PRE-CONSTRUCTION SUBGRADE TOPOGRAPHY
- EXISTING BUILDING LINE

- NOTES:**
1. EXCAVATE EXCESS AGGREGATE SUBGRADE MATERIALS AND STOCKPILE AS NEEDED. COMPACT REMAINING AGGREGATE SUBGRADE MATERIALS TO 95% OF MODIFIED PROCTOR (ASTM D 1557).
  2. ALL REINFORCING STEEL IS GRADE 60.
  3. ALL CONCRETE ON PROJECT REQUIRED TO ACHIEVE 4,000 PSI COMPRESSIVE STRENGTH IN 28 DAYS.
  4. FLOOR SLABS SHALL BE CURED WITH AN APPROVED CURING COMPOUND. CURING COMPOUND TO BE COMPATIBLE WITH FINISH MATERIALS.
  5. EPOXY COATING TO BE APPLIED ON ALL FINISHED CONCRETE SURFACES.
  6. CONSTRUCTION JOINTS AND CONTROL JOINT LAYOUT TO BE APPROVED BY ENGINEER PRIOR TO SETTING FORMS.
  7. PLACE 3 - #5 X 8'-0" BARS IN SLABS AT RE-ENTRANT CORNERS OF SUMPS.
  8. PRE-CONSTRUCTION TOPOGRAPHIC SURVEY OF INTERIOR AGGREGATE SURFACE PERFORMED BY EAGLE LAND SURVEY ON APRIL 28, 2011.
  9. DIMENSION LABELS HAVE PRECEDENCE OVER SCALED DIMENSIONS
  10. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
  11. AS BUILT CONTAINMENT VOLUMES SURVEYED BY EAGLE LAND SURVEY ON NOVEMBER 7, 2012.



**PAD NO. 7 CONTAINMENT VOLUMES**

DESCRIPTION	AS-BUILT SURVEYED CONTAINMENT (GAL)
PROCESS AREA 7A	3,382
PROCESS AREA 7B	3,384
STORAGE AREA 7C	2,290
STORAGE AREA 7D	2,431
STORAGE AREA 7E	2,517
STORAGE AREA 7F	2,277
STORAGE AREA 7G	1,942

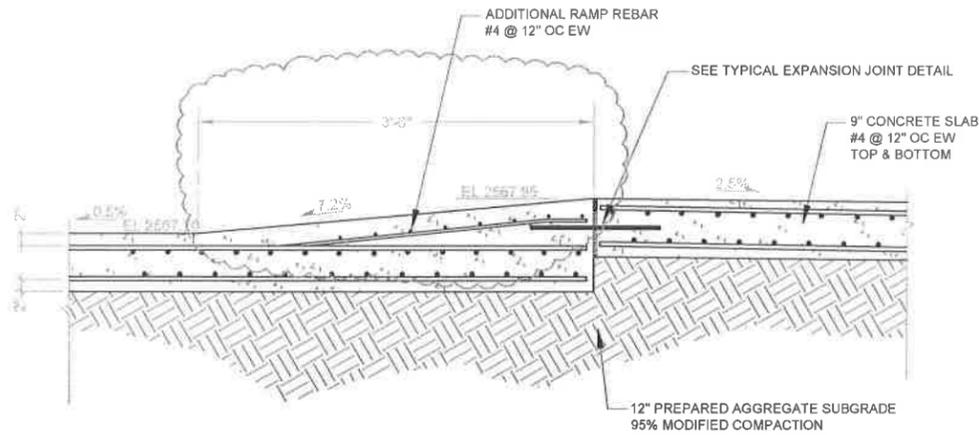
NO.	DATE	DESCRIPTION	BY
B		AS-BUILT CONDITIONS	
A		REGULATORY REVIEW - PERMIT MODIFICATION	

**USEcology Idaho**  
an American Ecology company

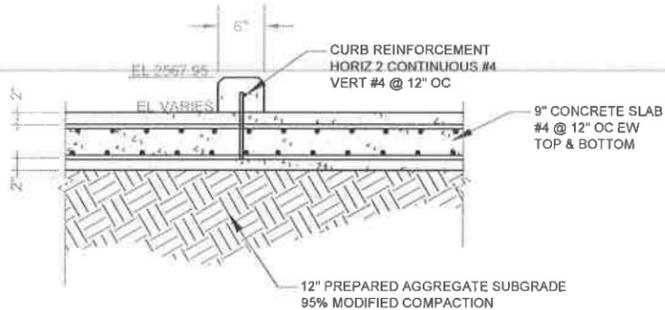
SITE B  
GRAND VIEW, IDAHO  
US EPA ID NO. IDD 073 114 054

TITLE: CONTAINER STORAGE PAD NO. 7  
STORAGE AND PROCESSING AREAS  
GRADING PLAN

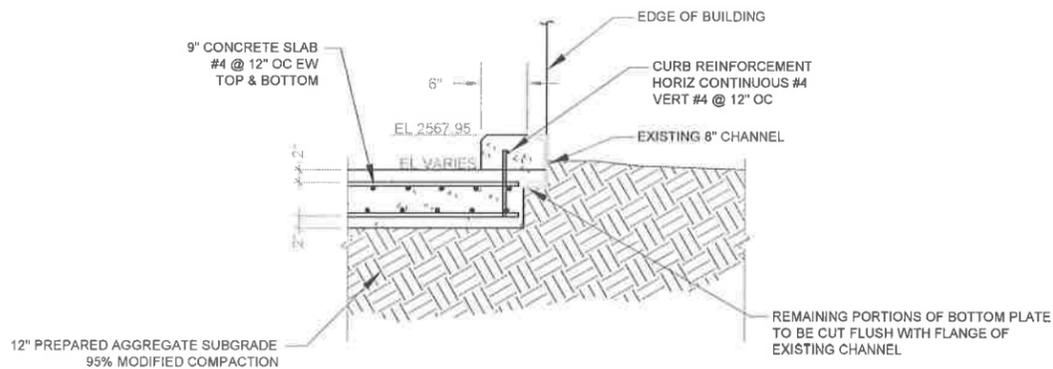
DRAWN BY: DATE: FILE CODE: PROJECT NUMBER: REV. NO.:  
3/11  
CHECKED: DATE: DESG. NO.: PRM-C16  
PROJ. NO.: DATE: PROJ. NO.: 120-4113



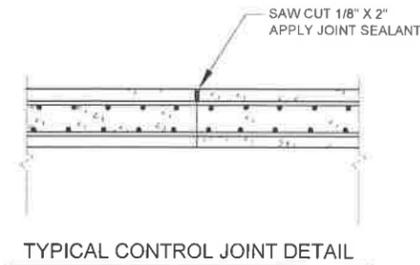
TYPICAL RAMP SECTION (A)  
N.T.S. 01



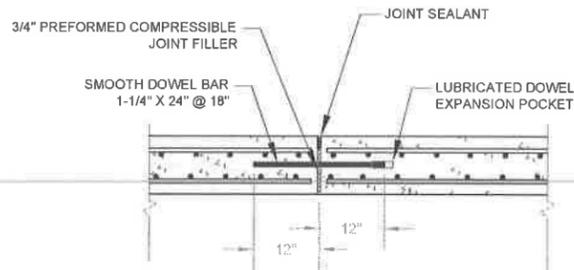
TYPICAL INTER-BAY CURB (B)  
N.T.S. 01



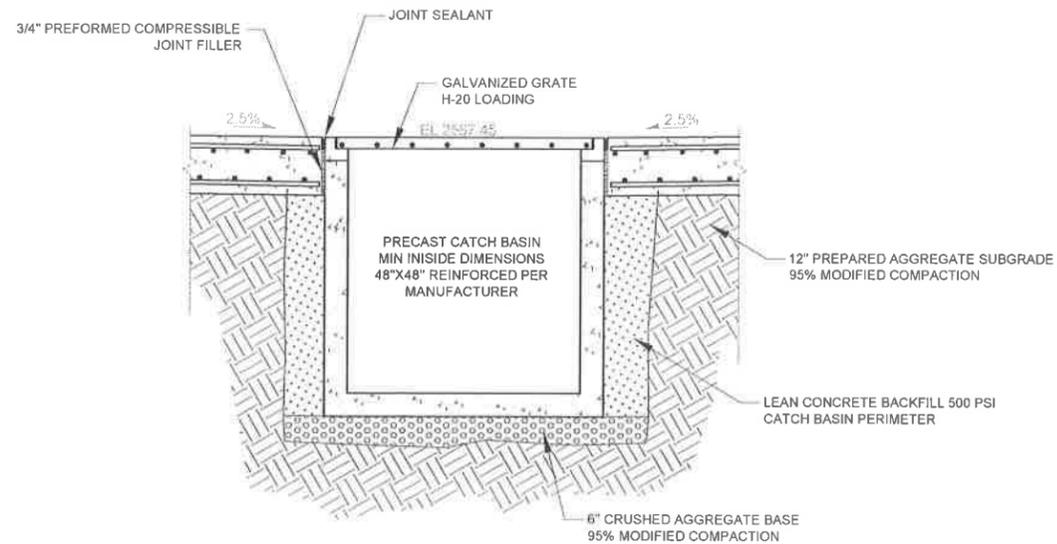
TYPICAL PERIMETER CURB (C)  
N.T.S. 01



TYPICAL CONTROL JOINT DETAIL



TYPICAL EXPANSION JOINT DETAIL



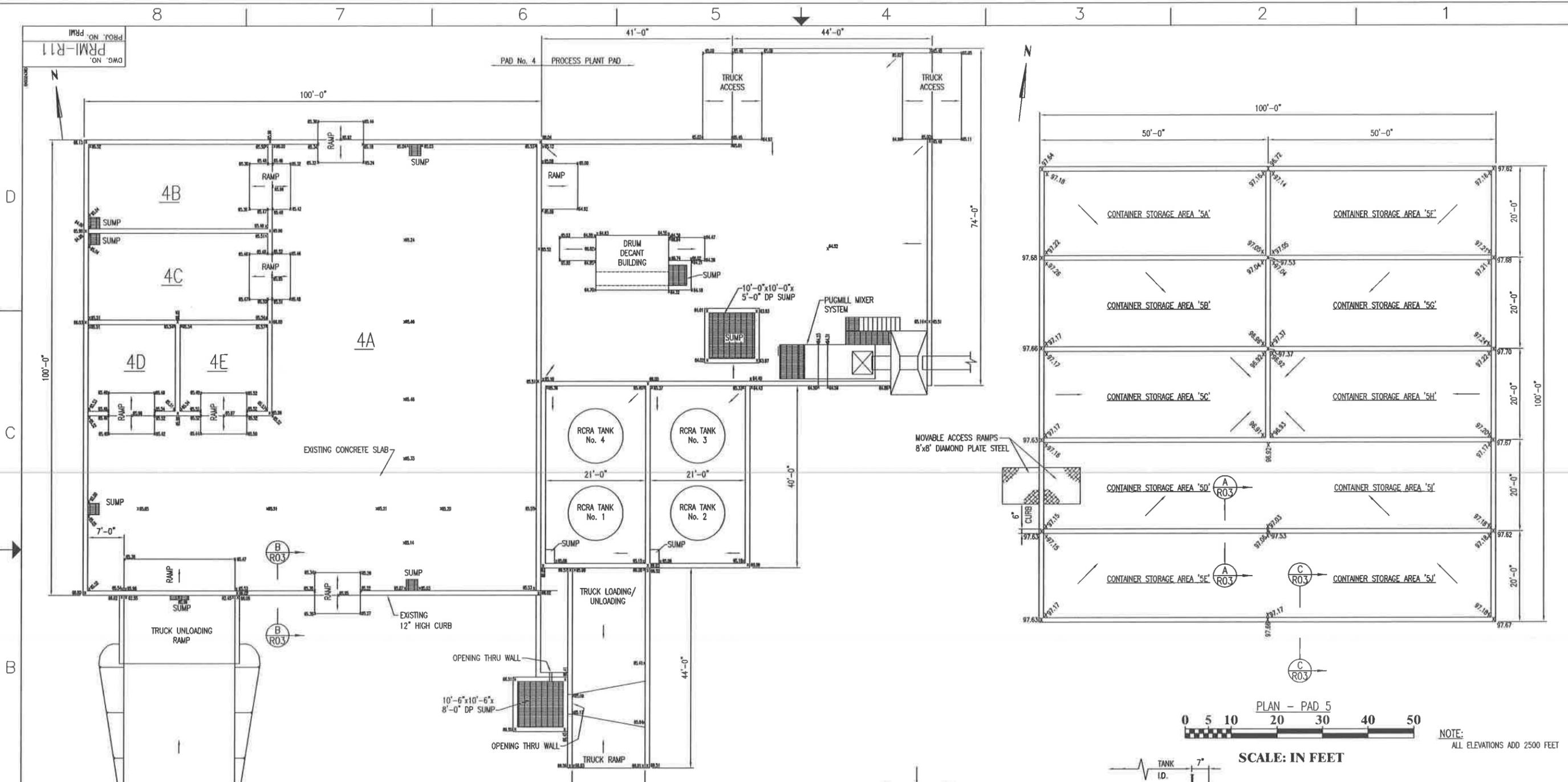
TYPICAL SUMP SECTION (D)  
N.T.S. 01

NOTES:

1. COMPACT UPPER 8 INCHES OF EXISTING SUBGRADE MATERIALS TO 95% OF MODIFIED PROCTOR (ASTM D 1557).
2. PROVIDE 3/4" X 3/4" CHAMFER ON ALL EXPOSED CONCRETE EDGES.
3. EPOXY COATING TO BE APPLIED ON ALL FINISHED CONCRETE SURFACES.
4. CONSTRUCTION JOINTS AND CONTROL JOINT LAYOUT TO BE APPROVED BY ENGINEER PRIOR TO SETTING FORMS.

REV	DATE	DESCRIPTION	BY	CHECKED	DATE
B		AS-BUILT CONDITIONS			
A		REGULATORY REVIEW - PERMIT MODIFICATION			
<p><b>USEcology Idaho</b> an American Ecology company</p>					
<p>SITE # GRAND VIEW, IDAHO US EPA ID NO. IDD 073 114 654</p>					
<p>TITLE: CONTAINER STORAGE PAD NO. 7 STORAGE AND PROCESSING AREAS SECTIONS AND DETAILS</p>					
DESIGNED BY	DATE	FILE CODE	PROJECT NO.	REV.	
3/11					
CHECKED	DATE	ENGR. NO.	PRM-C17		
PROJ. MGR.	DATE	PROJ. NO.	120-4113		

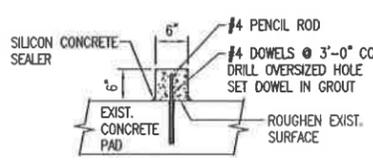
DWG. NO. PRM-R11  
PRM. NO. PRM



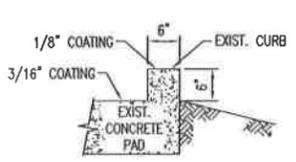
PLAN  
PAD 4 & PROCESS PLANT  
SCALE: IN FEET

PLAN - PAD 5  
SCALE: IN FEET

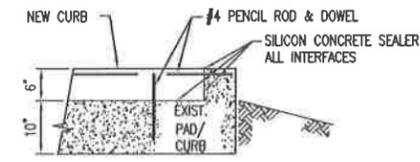
NOTE:  
ALL ELEVATIONS ADD 2500 FEET



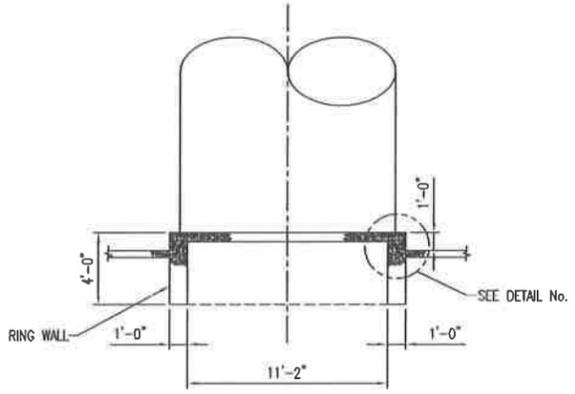
SECTION A-A  
SCALE: NTS



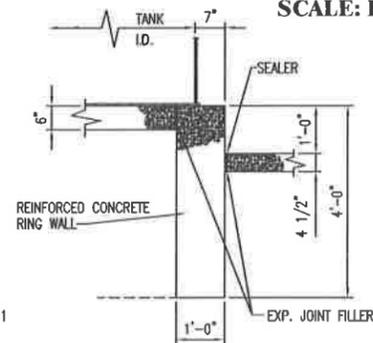
SECTION B-B  
SCALE: NTS



SECTION C-C  
SCALE: NTS



TYPICAL TANK FOUNDATION  
SCALE: NTS



DETAIL No. 1  
SCALE: NTS

REV.	DATE	DESCRIPTION	BY	CHK'D	DATE	DATE
B	4/9/00	2003 PERMIT RENEWAL				4/1
A	1/28/99	ISSUED FOR B PERMIT RENEWAL APPLICATION				4/9/00

**USEcology Idaho**  
an American Ecology company

SITE B GRAND VIEW, IDAHO US EPA ID NO. IDD 073 114 654	
TITLE: TYPICAL GENERAL ARRANGEMENT CONTAINER STORAGE AREAS PAD NOS. 4 & 5, AND PLANT PAD	
DRAWN BY: JZ	DATE: 12/16/97
CHECKED: [ ]	ENGINEER: [ ]
PROJ. MGR. [ ]	APPROVED: [ ]
FILE CODE: PRM11B	DWG. NO.: PRM-R11
REV. NO. [ ]	PRM

May 2014 USEI Permit  
Application Section  
Reference

**Drawing Number**

**Drawing Title**

US Ecology Process Treatment Bins

Sheet 1 of 4	General Notes	General Information
Sheet 2 of 4	Plan and Elevations	General Information
Sheet 3 of 4	Leak Detection Retainment Pan	General Information
Sheet 4 of 4	Sections and Details	General Information

# US ECOLOGY PROCESS TREATMENT BIN

GRAND VIEW, IDAHO

2006

DESIGN CRITERIA:

CODES: 2003 INTERNATIONAL BUILDING CODE  
 SNOW, WIND, SEISMIC LOADS: NONE

DESIGN LOADING:

1. THE MATERIAL LOAD IS 110 PCF WITH THE LATERAL LOAD ON THE BIN WALLS DETERMINED AS IF THE MATERIAL BEHAVES LIKE A FLUID.
2. THE BIN HAS BEEN DESIGNED TO SUPPORT A 5' DEPTH OF MATERIAL WITH NO SHOVEL LOAD.
3. WITH A MATERIAL DEPTH OF 3', THE MAXIMUM DESIGN FORCE TO BE EXERTED ON THE BIN IN EITHER THE HORIZONTAL OR DOWNWARD DIRECTION BY THE SHOVEL IS 9000 POUNDS. THIS LOAD IS TO ACT ON A 1" x 36" STRIP. THE LOAD IS NOT TO BE APPLIED TO THE BIN SIDEWALLS ANY HIGHER ABOVE THE BOTTOM OF THE BIN THAN 3'. ONLY THE DESIGNATED SIDE MAY HAVE A SHOVEL LOAD. THE END WALLS ARE NOT DESIGNED FOR A SHOVEL LOAD.
4. MAXIMUM THEORETICAL DEFLECTION OF THE PLATE IS TO BE 0.5"

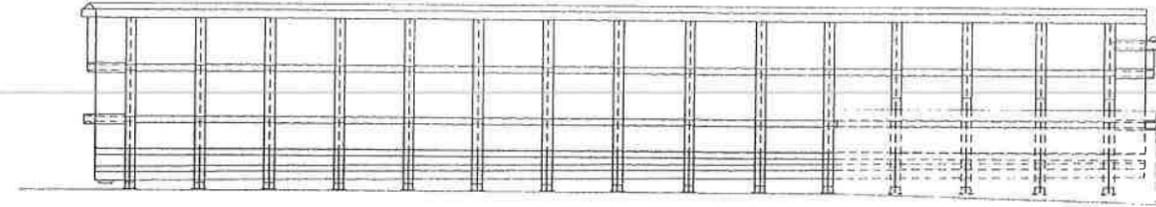
GENERAL NOTES:

1. USE PROPERLY DESIGNED SHORING, BRACING, UNDERPINNING, ETC., AS NECESSITATED BY CONDITIONS OR AS REQUIRED. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO ENSURE THE SAFETY OF THE STRUCTURE AND ITS COMPONENT PARTS DURING ERECTION.
2. NO FIELD REVISIONS TO ANY STRUCTURAL COMPONENTS SHALL BE MADE WITHOUT PRIOR APPROVAL BY THE ENGINEER. THIS INCLUDES (BUT IS NOT LIMITED TO) REVISIONS DUE TO MISLOCATION, MISFIT OR ANY OTHER CONSTRUCTION ERRORS.
3. NO OPENING SHALL BE PLACED IN ANY STRUCTURAL MEMBER (OTHER THAN AS INDICATED ON APPROVED SHOP DRAWINGS) UNTIL THE LOCATION HAS BEEN APPROVED BY THE STRUCTURAL ENGINEER.
4. WRITTEN DIMENSIONS HAVE PRECEDENCE OVER SCALED DIMENSIONS.

MATERIALS:

A. SPECIFICATIONS: AISC ASD 9TH ED, AWS D1.1 & D1.6

B. MATERIALS:  
 BIN LINER: T1 UNLESS NOTED OTHERWISE  
 WIDE FLANGE: A992  
 STEEL TUBES: A-500B (F<sub>y</sub>=46 ksi)  
 CLIP ANGLES AND GUSSET PLATES: A36 UNLESS OTHERWISE NOTED  
 WELD: E70-XX ELECTRODES



SHEET LEGEND		
Sheet No.	Rev.	DESCRIPTION
1	0	GENERAL NOTES
2	0	PLAN AND ELEVATIONS
3	0	LEAK DETECTION RETAINMENT PAN
4	0	SECTIONS AND DETAILS



LEAVITT & ASSOCIATES  
 ENGINEERS, INC.  
 STRUCTURAL & CIVIL  
 SURVEYING

GENERAL NOTES

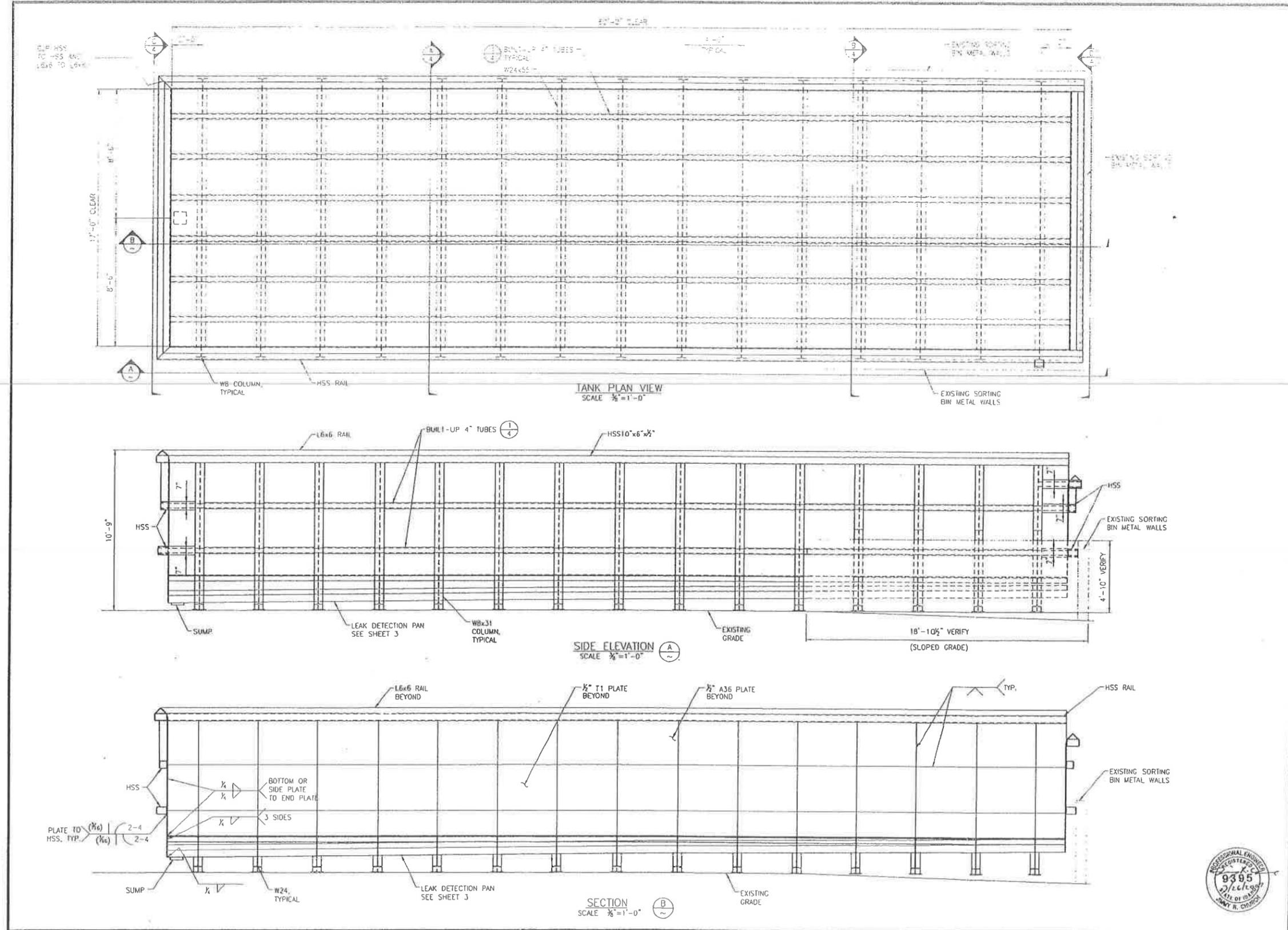
RULE STEEL  
 06112.007  
 J.R.C. K.G.H. M.C.B.  
 091122006

RULE STEEL  
 TANKS, INC.  
 2185 S. Main St.  
 Grand, Idaho 83453  
 (208) 945-3031  
 (708) 945-2366  
 (800) 749-5636

NO.	DATE	BY	DESCRIPTION
1	3/25/07	KGH	REVISED TO INCREASE DESIGN FILL DEPTH
0	1/12/06	KGH	ISSUED FOR APPROVAL

REVISIONS

AS NOTED 1 of 4



LEAVITT & ASSOCIATES  
ENGINEERS, INC.  
STRUCTURAL • CIVIL  
SURVEYING

PLAN AND ELEVATIONS

RULE STEEL  
06112.007  
J.R.C. K.G.H. M.C.B. 09/12/2008

RULE STEEL  
TANKS, INC.

2186 Madison Rd.  
Carmel, IN 46032

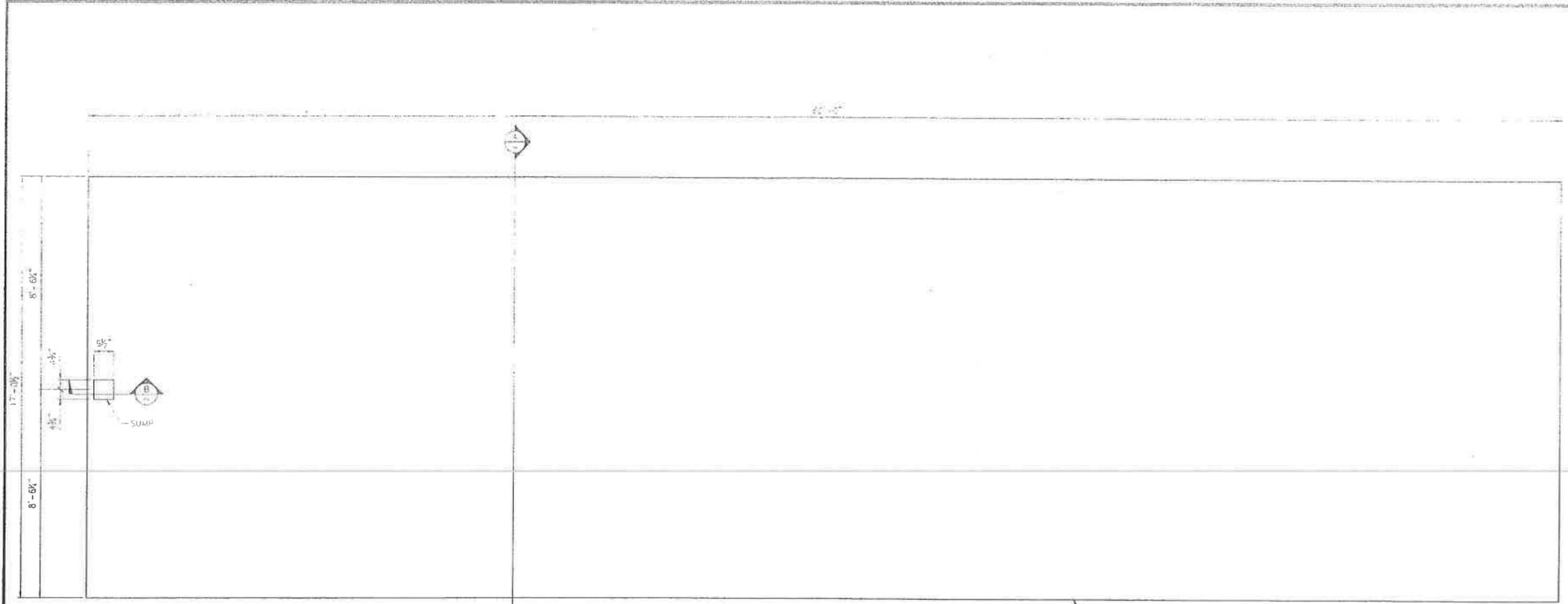
(203) 442-3311  
Fax: (203) 383-2268  
Toll Free: (800) 767-5244

NO.	DATE	BY	DESCRIPTION
1	3/20/07	R.G.H.	REVISED TO INCREASE DESIGN FILL DEPTH
0	11/17/06	R.G.H.	ISSUED FOR APPROVAL

REVISIONS

SCALE: 3/8"=1'-0"

2 of 4

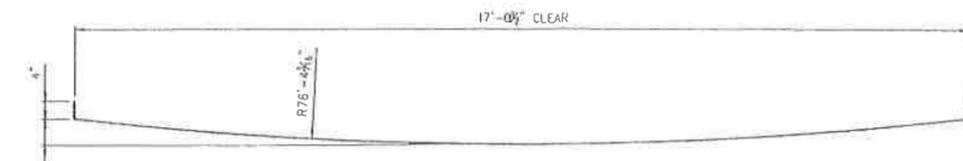


PLAN  
SCALE 1/4" = 1'-0"

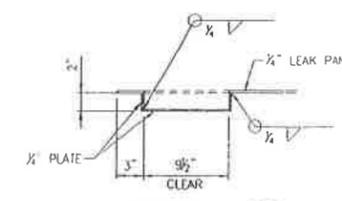
SLOPE 0.1" PER FOOT



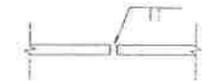
ELEVATION  
SCALE 1/2" = 1'-0"



SECTION A-A  
SCALE 1/4" = 1'-0"



SECTION B-B  
SCALE 1/2" = 1'-0"



TYPICAL PAN PLATE CONNECTION DETAIL  
NTS



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ENGINEERS, INC.  
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SURVEYING

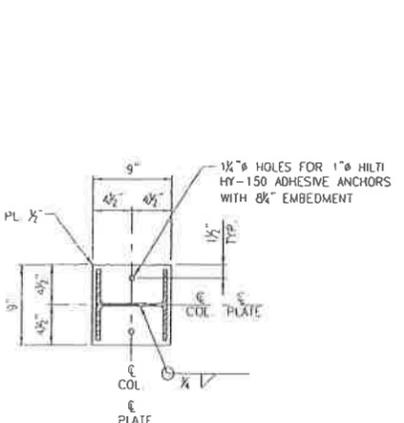
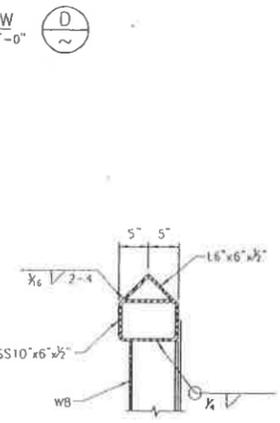
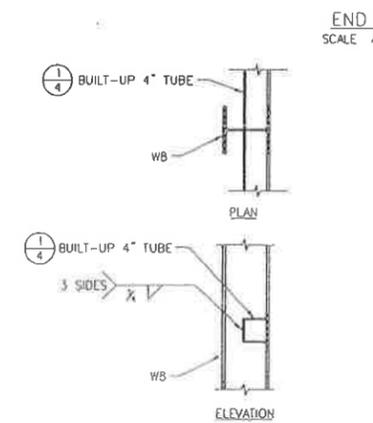
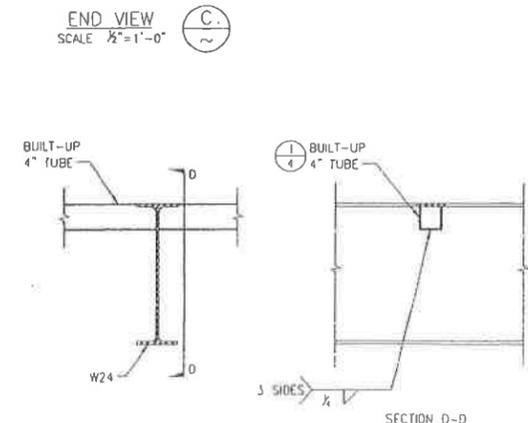
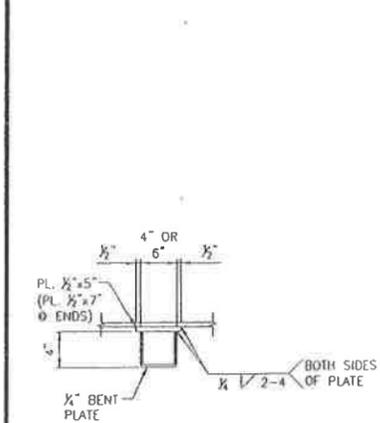
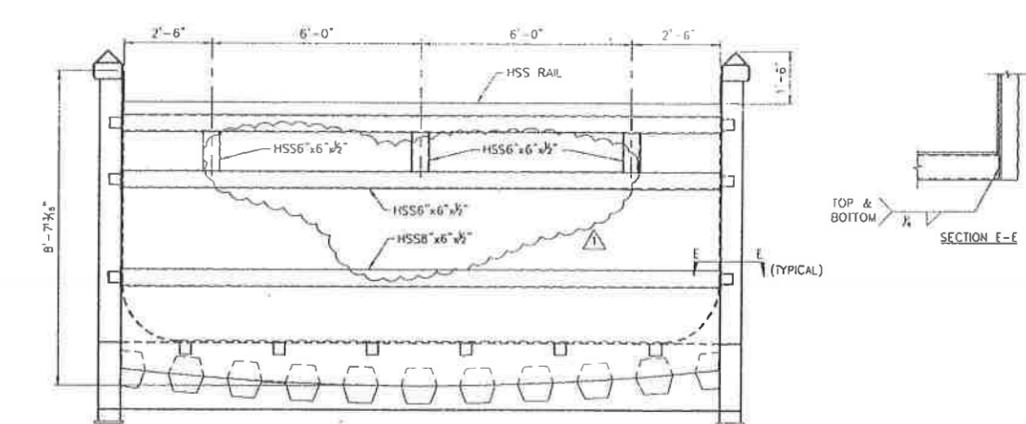
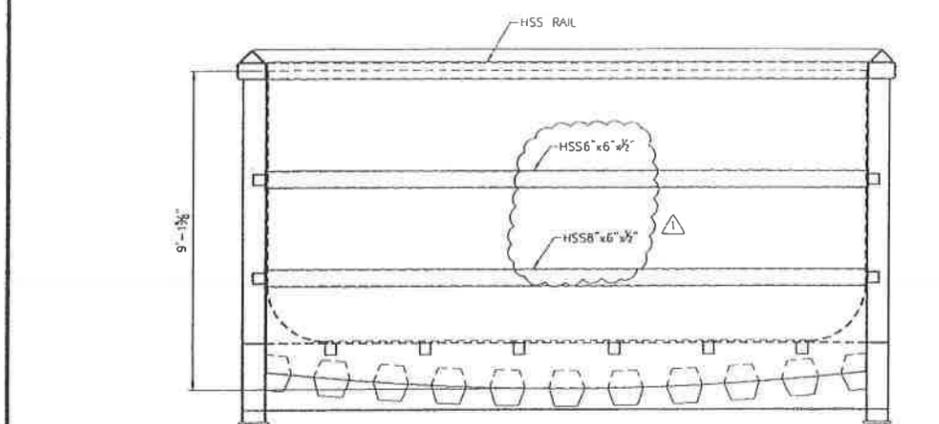
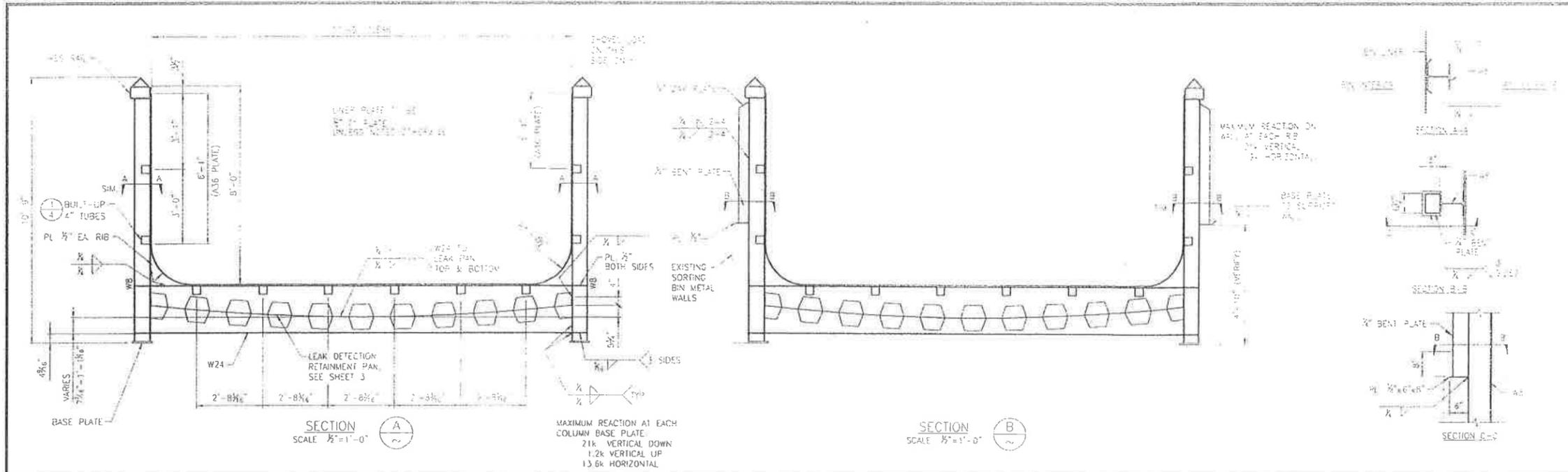
LEAK DETECTION  
RETAINMENT PAN

RULE STEEL  
TANKS, INC.

NO.	DATE	BY	DESCRIPTION
1	02/20/07	RGH	REVISED TO INCREASE DESIGN FILL DEPTH
2	11/27/06	RGH	ISSUED FOR APPROVAL

REVISIONS  
AS NOTED 3 of 4

PROJECT: LEAK DETECTION RETAINMENT PAN  
DATE: 02/20/07  
DRAWN BY: J.R.C.  
CHECKED BY: M.C.B.  
SCALE: AS NOTED  
PROJECT NO.: 06112.001  
JOB NO.: 06112.001  
JOB NAME: LEAK DETECTION RETAINMENT PAN  
JOB LOCATION: M.C.B.  
JOB STATUS: COMPLETE  
JOB DATE: 02/20/07  
JOB TIME: 10:00 AM  
JOB PRICE: \$0.00  
JOB COST: \$0.00  
JOB PROFIT: \$0.00  
JOB GROSS: \$0.00  
JOB NET: \$0.00  
JOB TOTAL: \$0.00  
JOB TAX: \$0.00  
JOB TOTAL TAX: \$0.00  
JOB TOTAL NET: \$0.00  
JOB TOTAL GROSS: \$0.00  
JOB TOTAL NET TAX: \$0.00  
JOB TOTAL NET TOTAL: \$0.00



LEAVITT & ASSOCIATES  
ENGINEERS, INC.  
STRUCTURAL & CIVIL  
SURVEYING

SECTIONS AND DETAILS

RULE STEEL TANKS, INC.  
2186 Madison Ave.  
Crest Hill, Illinois 63006  
(708) 945-2341  
(708) 945-2340  
(800) 365-5534

NO.	DATE	BY	DESCRIPTION
1	3/22/07	KGH	REVISED TO INCREASE DESIGN FILL DEPTH
0	11/27/09	KGH	ISSUED FOR APPROVAL

REVISIONS  
AS NOTED 4 of 4

May 2014 USEI Permit  
Application Section  
Reference

Drawing Number

Drawing Title

Landfills

Drawing Number	Drawing Title	Reference
PRMI-L01	Civil - Trenches 10 and 11 Typical Site Plan	D, I
PRMI-L02	Civil - Trenches 10 and 12 Typical Subgrade Plan	D, I
PRMI-L03	Civil - Trenches 10 and 11 Typical Final Grading Plan	D, I
PRMI-L04	Civil - Trenches 10 and 11 Cap System Sections and Details Typical Final Closure	D, I
PRMI-L05	Civil - Trechnes 10 and 11 Typical Final Closure Cap System Sections and Details	I
PRMI-L06	Civil - ET Cap Test Pad Typical Plan, Section, and Detail	I
PRMI-L11	Facility - Cell 5 Typical Site Plan	D, I, M
PRMI-L12	Civil - Cell 5 Typical Primary Liner Plan	D, I, M
PRMI-L13	Civil - Cell 5 Typical Subgrade Plan at Closure	D, I, M
PRMI-L14	Civil - Cell 5 Typical Final Grading Plan	D, I, M
PRMI-L15	Civil - Cell 5 - Phase 1 Typical Sections and Details	D, I, M
PRMI-L16	Civil - Phase 1 Typical Sections and Details	D, I, M
PRMI-L17	Civil - Cell 5 - Phase II Typical Sections and Details	D, I, M
PRMI-L18	Civil - Cell 5 - Phase II Typical Sections and Details	D, I, M
PRMI-L19	Civil - Cell 5 Final Closure Typical Cap System Sections and Details	D, I
PRMI-L21	Civil - Cell 14 Typical Site Plan	D, I, M
PRMI-L22	Civil - Cell 14 Typical Secondary Liner Plan	D, I, M
Sheet 5 of 9	Civil - Cell 14 - Final Closure Typical Final Cover Sections and Details	I
PRMI-L23	Civil - Cell 14 Typical Final Grading Plan - (REPLACED Sheet 8 of 9)	D, I, M
PRMI-L24	Civil - Phase 1 Typical Sections and Details	D, I, M
PRMI-L25	Civil - Cell 14 - Phase 2 Typical Sections and Details	D, I, M
PRMI-L26	Civil - Phase 2 Typical Sections and Details	D, I, M
PRMI-L27	Civil - Cell 14 - Phase 2 Typical Sections and Details	D, I, M
52-00-00	Cell 15 - Grand View Facility	D
52-01-01	Cell 15 - Site Plan/Cell Layout	D
52-01-02	Cell 15 - Cell Construction Phasing and Waste Limits	D
52-01-03	Cell 15 - Sections and Details Sheet 1	D
52-01-04	Cell 15 - Sections and Details Sheet 2	D
52-01-05	Cell 15 - Sections and Details Sheet 3	D
Sheet 5 of 8	Civil Cell 15 Final Closure Final Cover Grading Plan	General Information
Sheet 6 of 8	Civil Cell 15 Final Closure Typical Cross Sections	General Information
Sheet 7 of 8	Civil Cell 15 Final Closure Typical Final Cover Section and Details	General Information
52-01-06	Cell 15 - Final Cover Grading Plan	General Information
52-01-07	Cell 15 - Final Cover Sections and Details 1	General Information
52-01-08	Cell 15 - Final Cover Sections and Details 2	General Information
15-08-00	Cell 15 Modification - Cover Sheet	General Information
15-08-01	Cell 15 Modification - Phase IV Layout / Plan View	General Information
15-08-02	Cell 15 Modification - Cell Liner Sections	General Information
15-08-03	Cell 15 Modification - Interim Waste Placement	General Information
15-08-04	Cell 15 Modification - Final Waste Placement	General Information
15-08-05	Cell 15 Modification - Final Cover Grading Plan	General Information
15-08-06	Cell 15 Modification - Sumps and Risers Sections and Details	General Information

May 2014 USEI Permit  
Application Section  
Reference

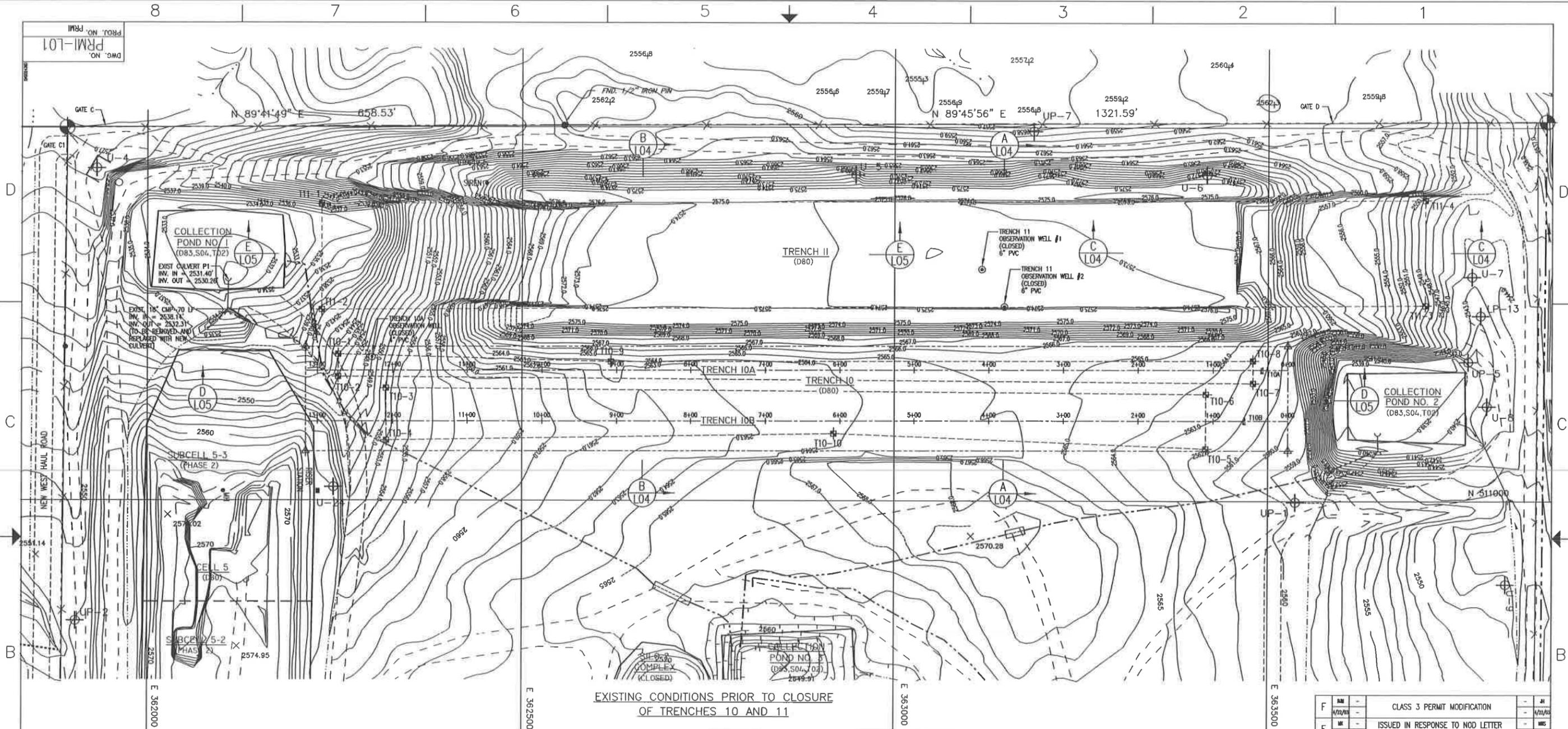
Drawing Number

Drawing Title

Landfills (continued)

Drawing Number	Drawing Title	Reference
15-08-07	Cell 15 Modification - Leachate Pipe Sections and Details	General Information
16-11-00	Cell 16 Drawing Index and Cover Sheet	D
16-11-01	Cell 16 Cell Liner Layout Plan View 1	D
16-11-02	Cell 16 Cell Liner Layout Plan View 2	D
16-11-03	Cell 16 Liner Sections and Details	D
16-11-04	Cell 16 construction Phasing and Waste Placement	D, M
16-11-05	Cell 16 Interim Storm Water Control Details	D
16-11-06	Cell 16 Sumps and Risers Sections and Details	D
16-11-07	Cell 16 Leachate Pipe Sections and Details	D
16-11-08	Cell 16 Waste Placement Sections and Details	D, I
Sheet 5 of 9	Cell 16 Final Closure Final Cover Grading Plan North	I
Sheet 6 of 9	Cell 16 Final Closure Final Cover Grading Plan South	I
Sheet 7 of 9	Cell 16 Final Closure Typical Cross Sections	General Information
Sheet 8 of 9	Cell 16 Final Closure Typical Final Cover Sections and Details – 1	General Information
Sheet 9 of 9	Cell 16 Final Closure Typical Final Cover Sections and Details – 2	General Information
PRMI-L28	Civil - Cell 14 - Final Closure Typical Cap System Section and Details (Referenced in Attachment 9c)	D, I, M
Sheet 8 of 9	Civil - Cell 14 Final Closure - Typical Final Cover Section and Details	General Information
PRMI-L29	Civil - Cell 14 - Final Closure typ Cap Drainage Sections and Details	D, I, M
PRMI-R15	General Facility Container Storage Area 1 Typical Container Layout & Regrading Plan	C, D, I
PRMI-R21	General Arrangement - RCRA/PCB Storage BLDG, and PCB Storage Tank Facility	C, D, I
PRMI-R22	General Arrangement - RCRA/PCB Storage BLDG & PCB Processing BLDG, and PCB Storage Tank Facility - Sections	C, D, I

DWG. NO. PRM-101  
 PROJ. NO. PRM



EXISTING CONDITIONS PRIOR TO CLOSURE  
 OF TRENCHES 10 AND 11

LEGEND

- 5/8" IRON PIN W/ ALUMINUM CAP
- POWER POLE
- SPOT ELEVATION
- WELL
- EXISTING FENCE LINE
- PROPERTY BOUNDARY
- EXISTING UNIMPROVED ROAD
- EXISTING PAVED ROAD
- EXISTING TOPOGRAPHY AS OF NOV. 4, 1995
- RCRA UNIT BOUNDARY

LEGEND (CONT.)

- EXISTING CULVERT
- EXISTING DRAINAGE CHANNEL
- CARRIER PIPE
- POND WATER TRANSFER PIPE
- FACILITY KEY NUMBER
- RCRA PROCESS CODE
- STAKE MARKER AND ID NO.
- RESTRICTED AREA BOUNDARY
- NEW CULVERT PIPING

GENERAL NOTES:

1. EXISTING SITE TOPOGRAPHY, PHYSICAL FEATURES AND DELINEATIONS OBTAINED FROM AERIAL PHOTOGRAPHY AND SURVEYED DATUM PROVIDED TO ENVROSOURCE TECHNOLOGIES BY: J.J. HOWARD ENGINEERING-SURVEYING; 1675-A HILL ROAD, BOISE, IDAHO 83702. DATE OF ORIGINAL SURVEY - NOVEMBER 4, 1995.
2. ADDITIONALLY THE FOLLOWING AREAS OF THE SITE HAVE BEEN UPDATED AND INCORPORATED INTO THE EXISTING SITE PLAN AS FOLLOWS:
  - A. THE CURRENT TOP OF WASTE ELEVATIONS FOR CELL 5 AS OF JANUARY 2, 1996. SURVEY BY: J.J. HOWARD.
  - B. THE CURRENT TOP OF WASTE ELEVATIONS FOR CELL 14 AS OF JANUARY 4, 2000. SURVEY BY: J.J. HOWARD.
  - C. UPDATE OF THE AS-BUILT SURFACE TOPOGRAPHY OF CONTAINER STORAGE AREA NO. 1 JUNE 16, 1999. SURVEY BY: J.J. HOWARD.
  - D. STABILIZATION AND CONTAINMENT BUILDING UPDATED AS OF JANUARY 14, 1997. SURVEY BY: J.J. HOWARD. DESIGN CONTOURS BY: ENVROSOURCE TECHNOLOGIES.
  - E. PAD 4 PROCESS PLANT AREA UPDATED AS OF APRIL 15, 1998. SURVEY BY: J.J. HOWARD.
  - F. TRENCH 10 AND 11 AREA AND CELL 14 SIDEWALL AREA UPDATED AS OF MARCH 2000. SURVEY BY: J.J. HOWARD.
3. AN ADDITIONAL 1,000 FEET TO THE NORTH OF SECTION 19 HAS BEEN SURVEYED AND INCORPORATED INTO THE EXISTING TOPOGRAPHY. SURVEY BY: J.J. HOWARD DATED FEBRUARY 20, 1998.

TRENCHES 10 AND 11 STAKE COORDINATES

REFERENCE POINT	LOCATION	NORTHING	EASTING
T10-1	NW CORNER T10A	511,196	362,254
T10-2	SW CORNER T10A	511,166	362,254
T10-3	NW CORNER T10B	511,151	362,318
T10-4	SW CORNER T10B	511,081	362,318
T10-5	SE CORNER T10B	511,070	363,417
T10-6	NE CORNER T10B	511,143	363,417
T10-7	SE CORNER T10A	511,158	363,480
T10-8	NE CORNER T10A	511,188	363,480
T10-9	BREAKPOINT NORTH SIDE T10A	511,186	362,619
T10-10	BREAKPOINT SOUTH SIDE T10B	511,090	362,918
T11-1	NW CORNER T11	511,397	362,232
T11-2	SW CORNER T11	511,256	362,232
T11-3	SE CORNER T11	511,262	363,710
T11-4	NE CORNER T11	511,403	363,710

NOTE: MONUMENTS SET NOVEMBER 6, 2000 BY J.J. HOWARD.



REV.	BY	CHK'D	DATE	DATE	DESCRIPTION	PROJ. ENGR.	SUPV. ENGR.
F	MK		4/22/99		CLASS 3 PERMIT MODIFICATION		JH
E	MK		4/2/01		ISSUED IN RESPONSE TO NOD LETTER DATED JUNE 30, 1999		MMS
D	MK		1/16/02		AS-BUILT. SUBMITTED WITH COA REPORT AND CONSTRUCTION CERTIFICATION		
C	MK		4/15/99		ISSUED IN RESPONSE TO N.O.D. LETTER DATED 4/5/99		
B	MK		1/15/99		ISSUED FOR JANUARY 1999 CLASS 3 PERMIT MODIFICATION		
A	MK		1/28/99		ISSUED FOR PART B PERMIT RENEWAL APPLICATION		

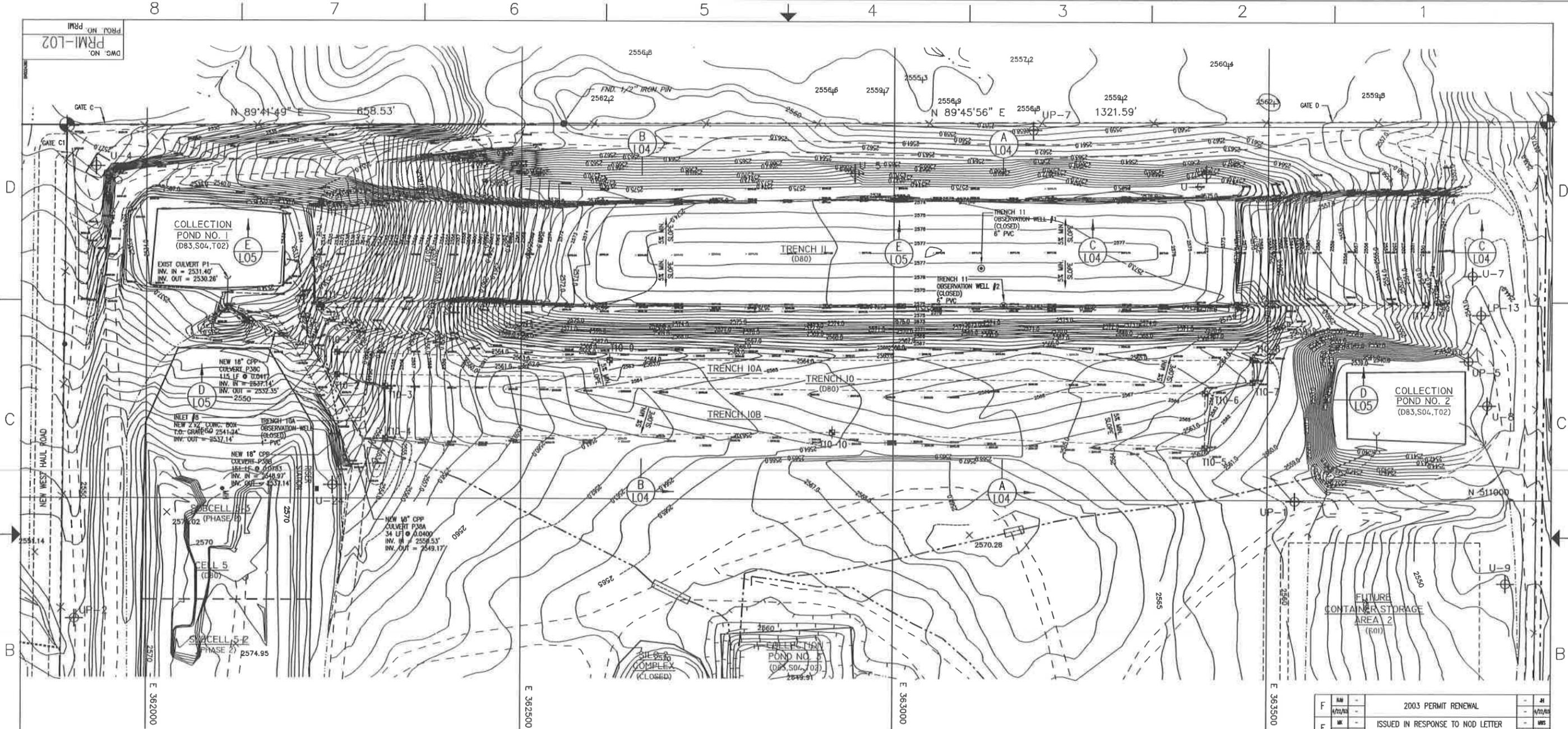
**USEcology Idaho**  
 an American Ecology company

SITE B  
 GRAND VIEW, IDAHO  
 US EPA ID NO. IDD 073 114 654

TYPICAL

TITLE: CIVIL TRENCHES 10 AND 11 TYPICAL SITE PLAN

DRAWN BY: MK	DATE: 6/4/98	SCALE:	FILE CODE: PRM101F
CHECKED: MK	DATE: 6/4/98	ENGINEER: MK	DWG. NO.: PRM1-101
PROJ. MGR.:	DATE:	APPROVED:	PROJ. NO.: PRM1



**LEGEND**

- 5/8" IRON PIN W/ ALUMINUM CAP
- POWER POLE
- SPOT ELEVATION
- WELL
- EXISTING FENCE LINE
- PROPERTY BOUNDARY
- EXISTING UNIMPROVED ROAD
- EXISTING PAVED ROAD
- EXISTING TOPOGRAPHY AS OF NOV. 4, 1995
- RCRA UNIT BOUNDARY
- LIMITS OF CELL

**LEGEND (CONT.)**

- EXISTING CULVERT
- EXISTING DRAINAGE CHANNEL
- CARRIER PIPE
- POND WATER TRANSFER PIPE
- FACILITY KEY NUMBER (34)
- RORA PROCESS CODE (DB3,S04,T02)
- NEW CULVERT PIPING
- NEW CATCH BASIN
- AS-BUILT SUBGRADE CONTOURS

**GENERAL NOTES:**

1. EXISTING SITE TOPOGRAPHY, PHYSICAL FEATURES AND DELINEATIONS OBTAINED FROM AERIAL PHOTOGRAPHY AND SURVEYED DATUM PROVIDED TO ENVROSOURCE TECHNOLOGIES BY: J.J. HOWARD ENGINEERING-SURVEYING; 1675-A HILL ROAD; BOISE, IDAHO 83702. DATE OF ORIGINAL SURVEY - NOVEMBER 4, 1995.
2. ADDITIONALLY THE FOLLOWING AREAS OF THE SITE HAVE BEEN UPDATED AND INCORPORATED INTO THE EXISTING SITE PLAN AS FOLLOWS:
  - A. THE CURRENT TOP OF WASTE ELEVATIONS FOR CELL 5 AS OF JANUARY 2, 1996. SURVEY BY: J.J. HOWARD.
  - B. THE CURRENT TOP OF WASTE ELEVATIONS FOR CELL 14 AS OF JANUARY 4, 2000. SURVEY BY: J.J. HOWARD.
  - C. UPDATE OF THE AS-BUILT SURFACE TOPOGRAPHY OF CONTAINER STORAGE AREA NO. 1 JUNE 16, 1999. SURVEY BY: J.J. HOWARD.
  - D. STABILIZATION AND CONTAINMENT BUILDING UPDATED AS OF JANUARY 14, 1997. SURVEY BY: J.J. HOWARD. DESIGN CONTOURS BY: ENVROSOURCE TECHNOLOGIES.
  - E. PAD 4 PROCESS PLANT AREA UPDATED AS OF APRIL 15, 1998. SURVEY BY: J.J. HOWARD.
  - F. TRENCH 10 AND 11 AREA AND CELL 14 SIDEWALL AREA UPDATED AS OF MARCH 2000. SURVEY BY: J.J. HOWARD.
3. AN ADDITIONAL 1,000 FEET TO THE NORTH OF SECTION 19 HAS BEEN SURVEYED AND INCORPORATED INTO THE EXISTING TOPOGRAPHY. SURVEY BY: J.J. HOWARD DATED FEBRUARY 20, 1998.
4. AS-BUILT SUBGRADE SURVEY BY: J.J. HOWARD DATED JULY 06, 2000.

REV.	BY	CHK'D	DATE	DESCRIPTION	PROJ. ENGR.	SUPV. ENGR.
F	MK	-	1/22/01	2003 PERMIT RENEWAL	-	AI
E	MK	-	1/2/01	ISSUED IN RESPONSE TO NOD LETTER DATED JUNE 30, 1999	-	MBS
D	MK	-	1/10/01	AS-BUILT. SUBMITTED WITH COA REPORT AND CONSTRUCTION CERTIFICATION	-	-
C	MK	-	1/15/99	ISSUED IN RESPONSE TO N.O.D. LETTER DATED 4/5/99	-	-
B	MK	-	1/15/99	ISSUED FOR JANUARY 1999 CLASS 3 PERMIT MODIFICATION	-	-
A	MK	-	1/28/99	ISSUED FOR PART B PERMIT RENEWAL APPLICATION	-	-

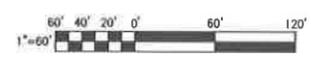
**USEcology Idaho**  
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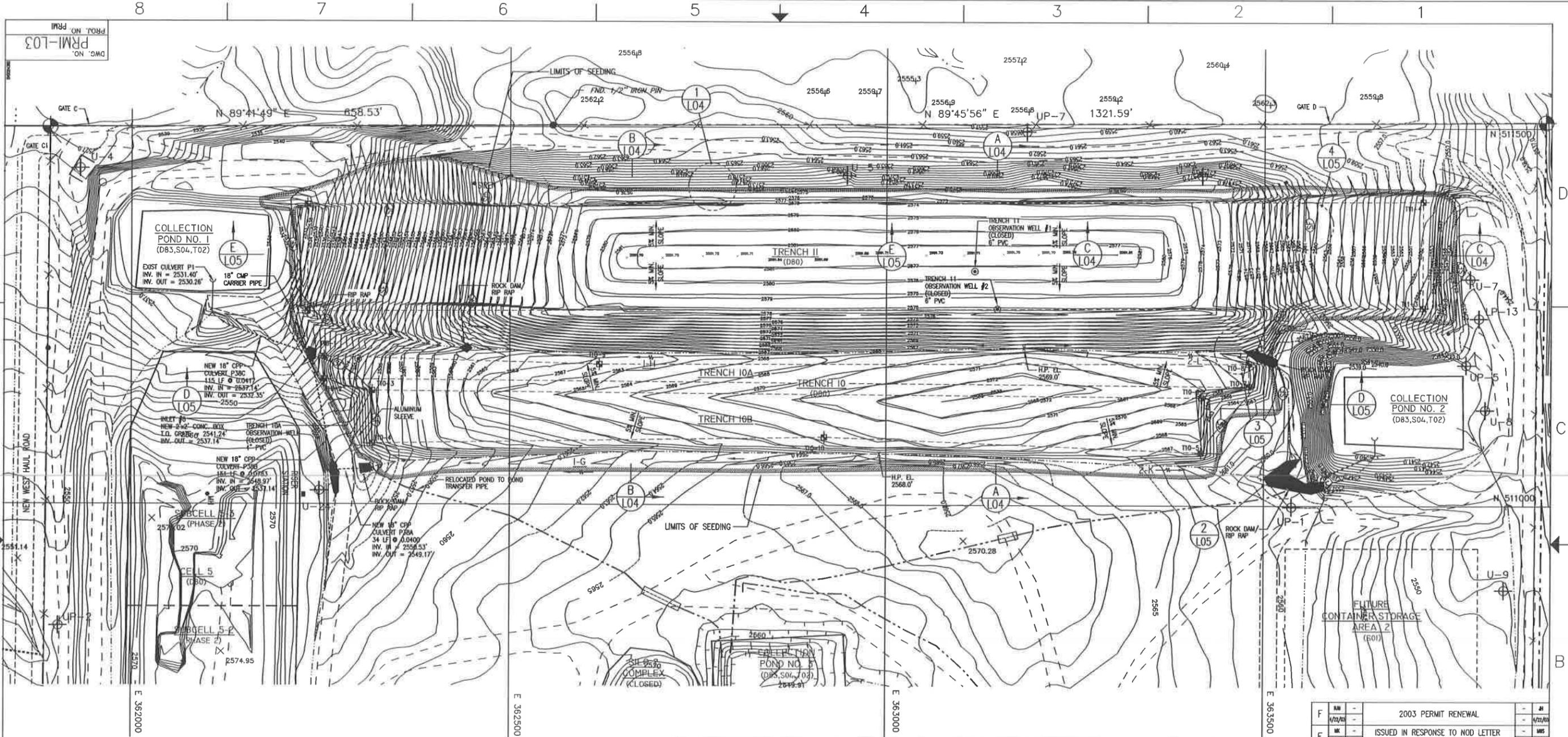
SITE B  
GRAND VIEW, IDAHO  
US EPA ID NO. IDD 073 114 654

TYPICAL

TITLE: CIVIL TRENCHES 10 AND 11 TYPICAL SUBGRADE PLAN

DRAWN BY: MK	DATE: 6/4/98	SCALE: 1"=60'	FILE CODE: PRM102	REV. NO.: F
CHECKED: MK	DATE: 6/4/98	ENGINEER: MK	DWG. NO.: PRM1-102	
PROJ. MGR. DATE: MK	APPROVED DATE: MK	PROJ. NO.: PRM1		





COLLECTION POND NO. 1  
(DB3,S04,T02)

COLLECTION POND NO. 2  
(DB3,S04,T02)

TRENCH II  
(DB0)

TRENCH 10A  
(DB0)

TRENCH 10B  
(DB0)

UTURE CONTAINER STORAGE AREA 2  
(R01)

**LEGEND**

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**LEGEND (CONT.)**

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**GENERAL NOTES:**

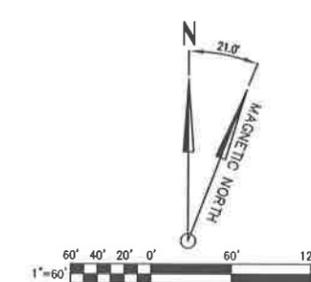
1. EXISTING SITE TOPOGRAPHY, PHYSICAL FEATURES AND DELINEATIONS OBTAINED FROM AERIAL PHOTOGRAPHY AND SURVEYED DATUM PROVIDED TO ENVIRONMENTAL TECHNOLOGIES BY J.J. HOWARD ENGINEERING-SURVEYING; 1675-A HILL ROAD; BOISE, IDAHO 83702. DATE OF ORIGINAL SURVEY - NOVEMBER 4, 1995.
2. ADDITIONALLY THE FOLLOWING AREAS OF THE SITE HAVE BEEN UPDATED AND INCORPORATED INTO THE EXISTING SITE PLAN AS FOLLOWS:
  - A. THE CURRENT TOP OF WASTE ELEVATIONS FOR CELL 5 AS OF JANUARY 2, 1996. SURVEY BY: J.J. HOWARD.
  - B. THE CURRENT TOP OF WASTE ELEVATIONS FOR CELL 14 AS OF JANUARY 4, 2000. SURVEY BY: J.J. HOWARD.
  - C. UPDATE OF THE AS-BUILT SURFACE TOPOGRAPHY OF CONTAINER STORAGE AREA NO. 1 JUNE 16, 1999. SURVEY BY: J.J. HOWARD.
  - D. STABILIZATION AND CONTAINMENT BUILDING UPDATED AS OF JANUARY 14, 1997. SURVEY BY: J.J. HOWARD. DESIGN CONTOURS BY: ENVIRONMENTAL TECHNOLOGIES.
  - E. PAD 4 PROCESS PLANT AREA UPDATED AS OF APRIL 15, 1998. SURVEY BY: J.J. HOWARD.
  - F. TRENCH 10 AND 11 AREA AND CELL 14 SIDEWALL AREA UPDATED AS OF MARCH 2000. SURVEY BY: J.J. HOWARD.
3. AN ADDITIONAL 1,000 FEET TO THE NORTH OF SECTION 19 HAS BEEN SURVEYED AND INCORPORATED INTO THE EXISTING TOPOGRAPHY. SURVEY BY: J.J. HOWARD DATED FEBRUARY 20, 1998.
4. AS-BUILT FINAL SURVEY BY: J.J. HOWARD DATED: AUGUST 29, 2000.

**TRENCHES 10 AND 11 STAKE COORDINATES**

REFERENCE POINT	LOCATION	NORTHING	EASTING
T10-1	NW CORNER T10A	511,196	362,254
T10-2	SW CORNER T10A	511,166	362,254
T10-3	NW CORNER T10B	511,151	362,318
T10-4	SW CORNER T10B	511,081	362,318
T10-5	SE CORNER T10B	511,070	363,417
T10-6	NE CORNER T10B	511,143	363,417
T10-7	SE CORNER T10A	511,158	363,480
T10-8	NE CORNER T10A	511,188	363,480
T10-9	BREAKPOINT NORTH SIDE T10A	511,186	362,619
T10-10	BREAKPOINT SOUTH SIDE T10B	511,090	362,918
T11-1	NW CORNER T11	511,397	362,232
T11-2	SW CORNER T11	511,256	362,232
T11-3	SE CORNER T11	511,262	363,710
T11-4	NE CORNER T11	511,403	363,710

**OBSERVATION WELLS**

WELL ID. POINT	NORTHING	EASTING	CAP ELEV.	DATE CLOSED
TRENCH 10A	511,192	362,299	2549.00	7/14/00
TRENCH 11-#1	511,310	363,117	2577.25	7/14/00
TRENCH 11-#2	511,260	363,147	2574.75	7/14/00



REV.	BY	CHK'D	DATE	DESCRIPTION	PROJ. ENGR.	DATE
F			4/22/01	2003 PERMIT RENEWAL		4/22/01
E			4/2/01	ISSUED IN RESPONSE TO NOD LETTER DATED JUNE 30, 1999		4/2/01
D			11/15/99	AS-BUILT. SUBMITTED WITH COA REPORT AND CONSTRUCTION CERTIFICATION		
C			4/15/99	ISSUED IN RESPONSE TO N.O.D. LETTER DATED 4/5/99		
B			1/15/99	ISSUED FOR JANUARY 1999 CLASS 3 PERMIT MODIFICATION		
A			1/28/99	ISSUED FOR PART B PERMIT RENEWAL APPLICATION		

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an American Ecology company  
SITE B  
GRAND VIEW, IDAHO  
US EPA ID NO. IDD 073 114 654

TYPICAL

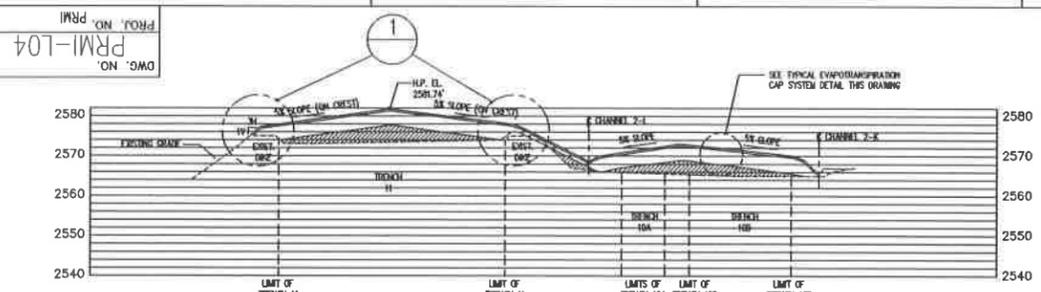
TITLE: CIVIL TRENCHES 10 AND 11 TYPICAL FINAL GRADING PLAN

DRAWN BY: MK DATE: 6/4/98 SCALE: FILE CODE: PRM103 REV. NO. F

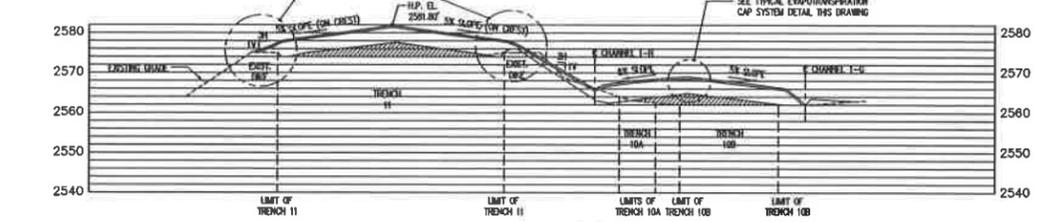
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PROJ. MGR: DATE: APPROVED: DATE: PROJ. NO.: PRM1

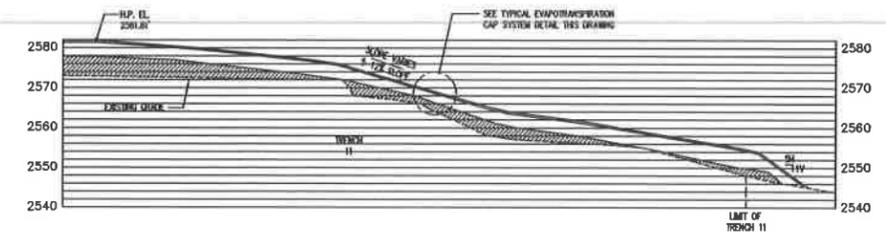
NOTE: MONUMENTS SET NOVEMBER 6, 2000 BY J.J. HOWARD.



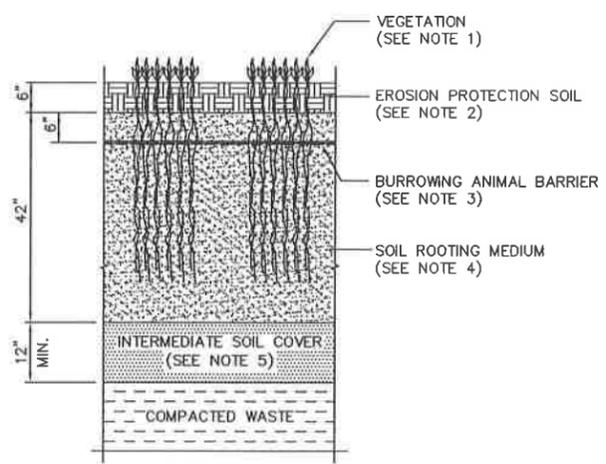
SECTION A-A  
SCALE: 1"=50' HORIZ.  
1"=20' VERT.



SECTION B-B  
SCALE: 1"=50' HORIZ.  
1"=20' VERT.

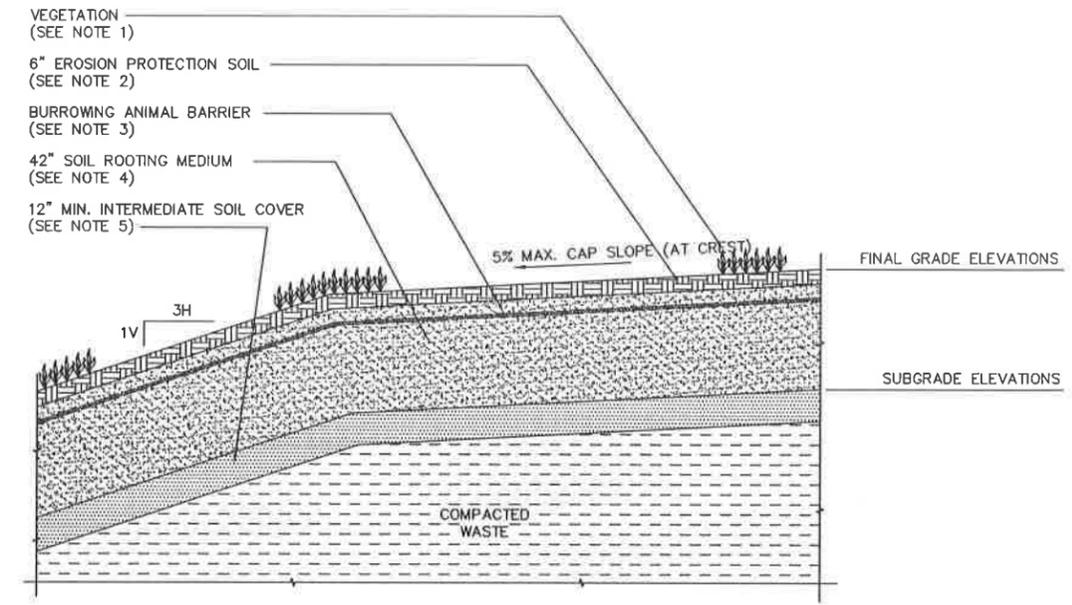


SECTION C-C  
SCALE: 1"=50' HORIZ.  
1"=20' VERT.

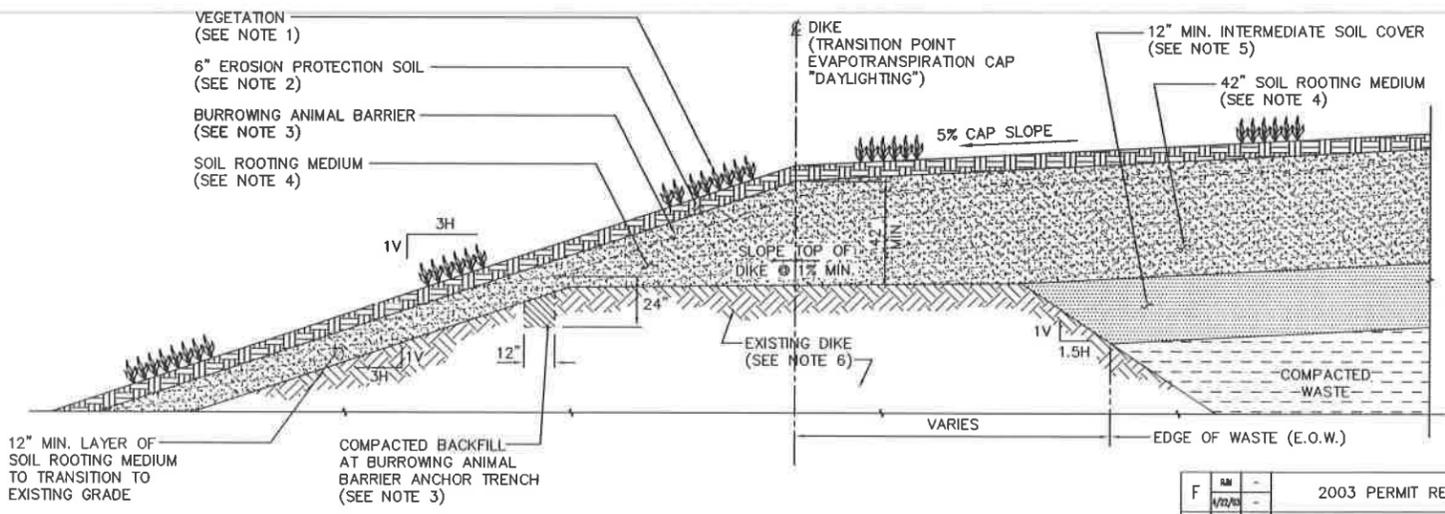


TYPICAL EVAPOTRANSPIRATION CAP SYSTEM DETAIL  
SCALE: 3/4"=1'-0"

- TYPICAL CAP SYSTEM NOTES:**
- THE SURFACE OF THE FINAL COVER WAS SCARIFIED AND SEEDS TO ESTABLISH VEGETATION. THE FOLLOWING SEED MIX WAS USED:  
CRESTED WHEATGRASS (15 lbs/acre)  
SIBERIAN WHEATGRASS (18 lbs/acre)  
STREAMBANK WHEATGRASS (18 lbs/acre)  
THE SEED WAS APPLIED BY A RANGELAND DRILL TO A DEPTH OF 0.5 TO 0.75 INCH. MULCH WAS APPLIED OVER SEEDS AREAS AND CONSISTS OF STRAW AND TACKIFIER.
  - THE TOP LAYER (EROSION PROTECTION SOIL LAYER) OF THE EVAPOTRANSPIRATION (ET) COVER CONSISTS OF 6 INCHES OF GRAVELLY SOIL TO INHIBIT EROSION OF THE COVER AND PROMOTE GROWTH OF VEGETATION. IT CONSISTS OF BOTH SILTY SAND (SM) AND SILTY GRAVEL WITH SAND (GM), BLENDED THOROUGHLY IN APPROXIMATE PROPORTIONS OF 50/50 PER CENT (PLUS OR MINUS 15) BY VOLUME (BANK). THIS LAYER WAS NOT COMPACTED OTHER THAN COMPACTION FROM EQUIPMENT TRAFFIC DURING PLACEMENT.
  - THE BURROWING ANIMAL BARRIER CONSISTS OF:  
CLASS 1 GALV. STEEL WIRE POULTRY FENCING WITH 1 INCH MESH. THE FENCING WAS PLACED SO THAT THE SEAMS RUN EAST TO WEST AND THE SEAMS OVERLAPPED A MIN. OF 0.5-FOOT AND WERE TIED IN-PLACE @ 5' C.C. THE FENCING WAS PLACED AT A MINIMUM DEPTH OF 12 INCHES BELOW THE FINAL SURFACE OF THE EROSION PROTECTION SOIL. THE PERIMETER OF THE BURROWING ANIMAL BARRIER WAS BURIED IN AN ANCHOR TRENCH AS DEPICTED IN DETAIL 1 OF THIS SHEET.



TYPICAL EVAPOTRANSPIRATION CAP SYSTEM (TOP/3H:1V SIDESLOPE INTERFACE DETAIL)  
SCALE: 3/8" = 1'-0"



TYPICAL EVAPOTRANSPIRATION CAP SYSTEM (TIE-IN TO EXISTING TRENCH 11 NORTH AND SOUTHWEST DIKES)

DETAIL 1  
SCALE: 3/8" = 1'-0"

- THE SOIL ROOTING MEDIUM OF THE (ET) COVER IS AT APPROXIMATELY 42 INCHES THICK, LIES IMMEDIATELY BENEATH THE EROSION PROTECTION LAYER AND CONSISTS OF SANDY SILT (ML) OR SILTY SAND (SM).
- THE INTERMEDIATE SOIL COVER WAS GRADED TO THE CONTOURS AND ELEVATIONS SHOWN ON DRAWING NO. PRM1-L02.
- THE EXISTING TRENCH 11 PERIMETER DIKES WERE CONSTRUCTED OF THE FOLLOWING TYPE OF SOILS:  
COARSE-GRAINED GRANULAR SOILS COMPACTED IN LIFTS TO 90% MAXIMUM PROCTOR DENSITY.
- CONCURRENT WITH THE FULL SCALE CONSTRUCTION OF THE EVAPOTRANSPIRATION CAP SYSTEM FOR TRENCHES 10 AND 11, A TEST PAD WAS CONSTRUCTED AND IS BEING MONITORED FOR PERFORMANCE. AS SHOWN ON DRAWING PRM1-L06, ALL SOILS USED FOR CONSTRUCTION OF THE FULL SCALE COVER SYSTEM AND TEST PAD, WERE ON-SITE SOILS FROM THE OWNER'S BORROW SOURCE.

REV.	BY	CHK'D	DATE	DATE	DESCRIPTION	PROJ. NO.	SUPV. ENGINEER	DATE
F	MM	-	4/22/99	-	2003 PERMIT RENEWAL	-	MM	4/22/99
E	MM	-	4/2/99	-	ISSUED IN RESPONSE TO NOD LETTER DATED JUNE 30, 1999	-	MM	4/2/99
D	MM	-	1/12/99	-	AS-BUILT, SUBMITTED WITH COA REPORT AND CONSTRUCTION CERTIFICATION	-	MM	4/2/99
C	MM	-	4/11/99	-	ISSUED IN RESPONSE TO N.O.D. LETTER DATED 4/5/99	-	MM	-
B	MM	-	1/15/99	-	ISSUED FOR JANUARY 1999 CLASS 3 PERMIT MODIFICATION	-	MM	-
A	MM	-	12/28/98	-	ISSUED FOR PART B PERMIT RENEWAL APPLICATION	-	MM	-

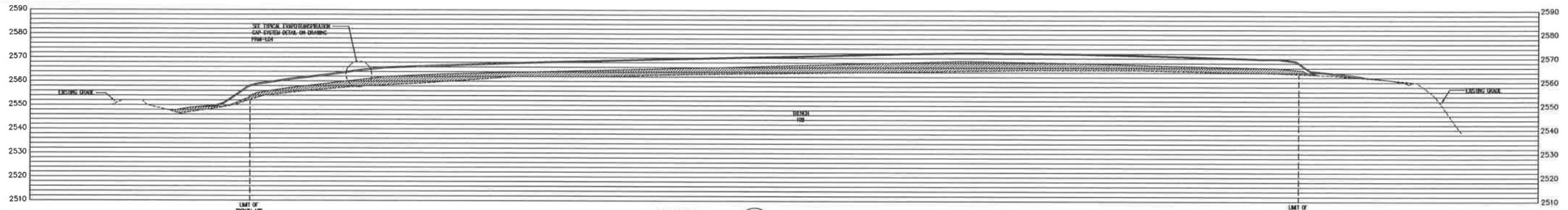
**USEcology Idaho**  
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SITE B  
GRAND VIEW, IDAHO  
US EPA ID NO. IDD 073 114 654

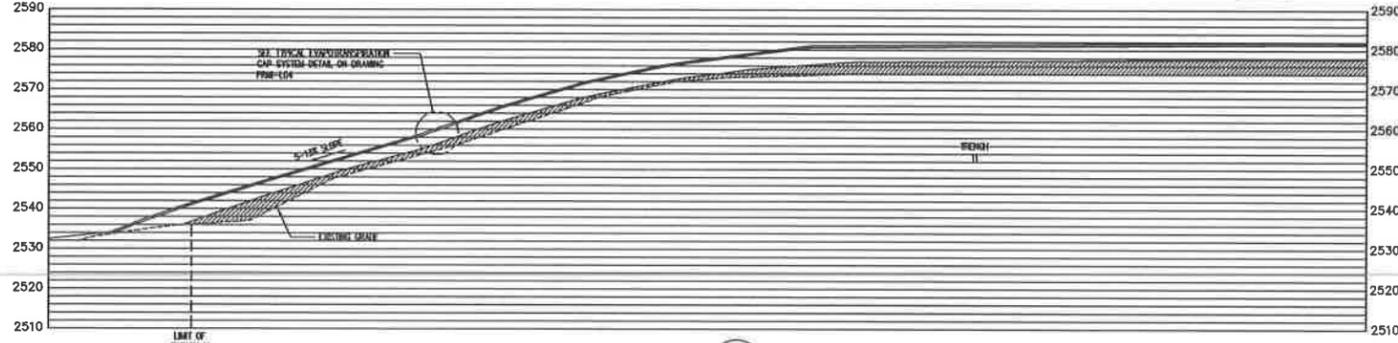
TITLE: CIVIL - TRENCHES 10 AND 11 CAP SYSTEM SECTIONS AND DETAILS TYPICAL FINAL CLOSURE

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CHECKED	DATE	ENGINEER	DATE	PRM1-L04	-
PROJ. MGR.	DATE	APPROVED	DATE	PRM1	-

PRM-105  
DWG. NO.  
PRM-105



SECTION D-D  
SCALE: 1"=50' HORIZ.  
1"=20' VERT.  
L01  
L02  
L03



SECTION E-E  
SCALE: 1"=50' HORIZ.  
1"=20' VERT.  
L01  
L02  
L03

SILT (SEE GENERAL NOTE 2 ON DRAWING PRM-103)

2"x2" WOOD POST (SPACING 8'-0" MAX.)

FILTER CLOTH GEOTEXTILE WOVEN FABRIC (3'-0" WIDE)

DIG 6" WIDE & DEEP TRENCH. BURY BOTTOM 1'-0" OF FABRIC. TAMP IN PLACE.

EXTEND END OF FENCE UPWARD AT 45° SO THAT THE BOTTOM OF THE FENCE SHALL END AT TOP OF FENCE ELEVATION

PLACE FENCE ON CONTOUR AT LEVEL GRADE

36" MINIMUM FENCE POST LENGTH DRIVEN A MINIMUM 12" INTO THE GROUND

8'-0" SPA. MAX. (C. TO C.)

FILTER CLOTH GEOTEXTILE WOVEN FABRIC

STAPLES

BURROWING ANIMAL BARRIER

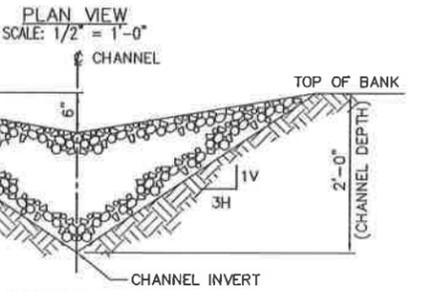
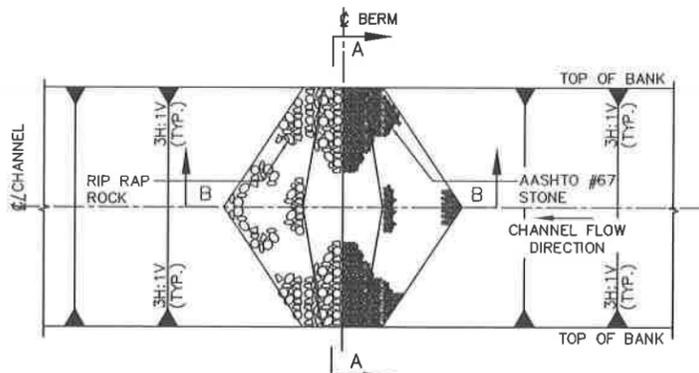
SOIL ROOTING MEDIUM

POSTS

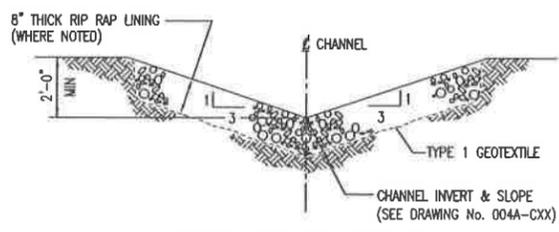
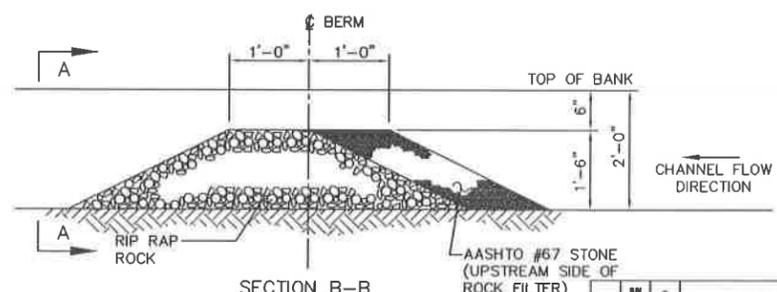
JOINING TWO ADJACENT SILT FENCE SECTIONS

STAPLE

STANDARD SILT FENCE  
DETAIL SCALE: 1" = 1'-0" L03



SECTION A-A  
ROCK FILTER DAM  
DETAIL SCALE: 1" = 1'-0" L03



TYPICAL RUN-OFF CHANNELS  
DETAIL SCALE: N.T.S. L03

REV.	BY	CHK'D	DATE	DESCRIPTION	PROJ. ENGR.	SUPV. ENGR.
D				2003 PERMIT RENEWAL		AI
C				ISSUED IN RESPONSE TO NOD LETTER DATED JUNE 30, 1999		MBS
B				AS-BUILT, SUBMITTED WITH COA REPORT AND CONSTRUCTION CERTIFICATION		
A				ISSUED IN RESPONSE TO N.O.D. LETTER DATED 4/5/99		

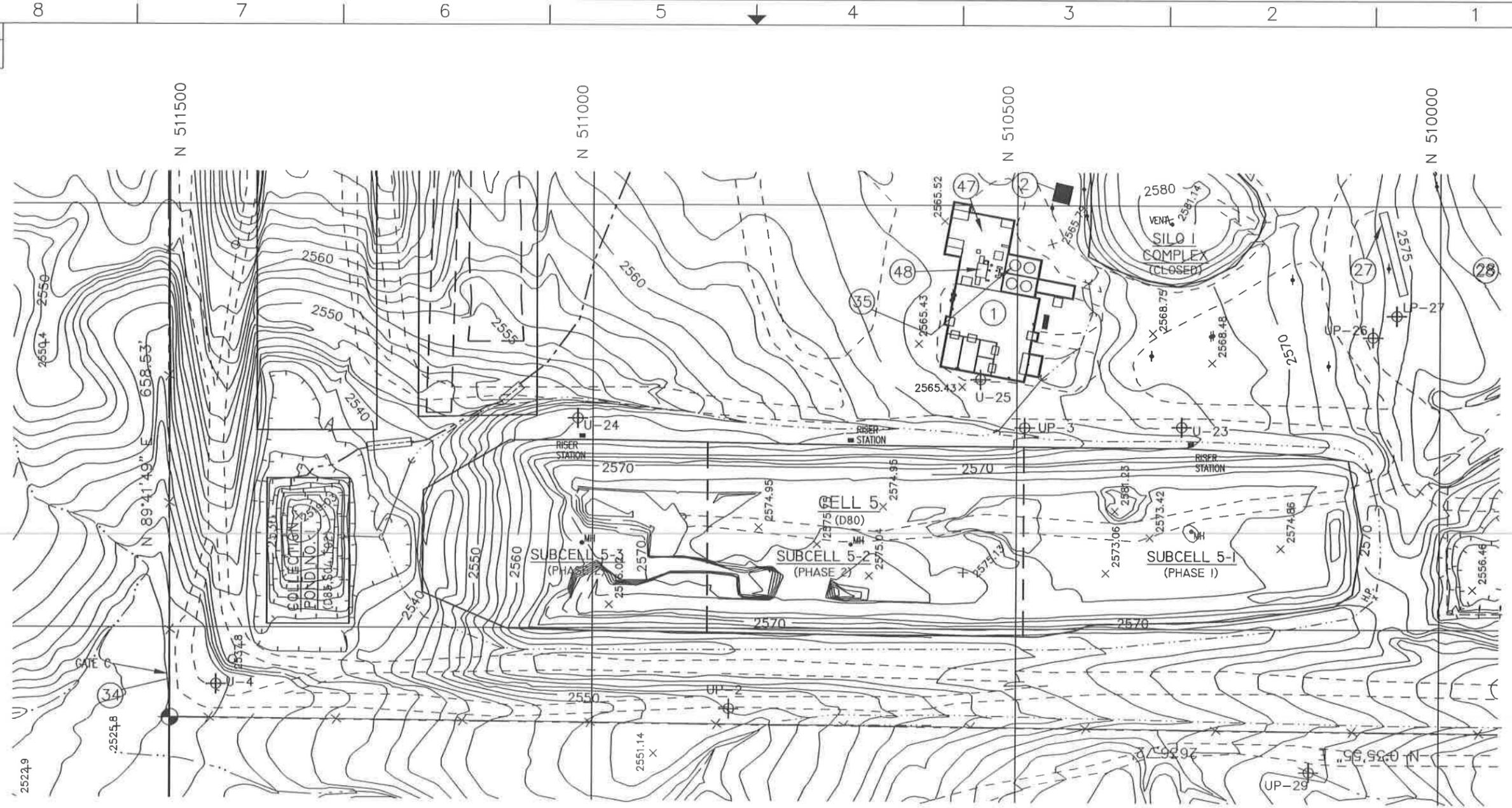
**USEcology Idaho**  
an American Ecology company

SITE B  
GRAND VIEW, IDAHO  
US EPA ID NO. IDD 073 114 654

TITLE: CIVIL - TRENCHES 10 AND 11  
TYPICAL FINAL CLOSURE  
CAP SYSTEM SECTIONS AND DETAILS

DRAWN BY	DATE	SCALE	FILE CODE	PRM105	REV. NO.
MK					
CHECKED	DATE	ENGINEER	DATE	DWG. NO.	
				PRM105	
PROJ. MGR.	DATE	APPROVED	DATE	PROJ. NO.	PRM1





**LEGEND**

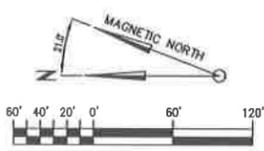
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**FACILITY KEY**

- 1 PAD 4 PROCESS PLANT
- 2 COMPRESSOR/M.C.C. BUILDING
- 27 SAMPLING PLATFORM
- 28 STAGING AREA
- 34 EXCLUSION GATES
- 35 RCRA/TSCA STORAGE TANKS

**GENERAL NOTES:**

1. EXISTING SITE TOPOGRAPHY, PHYSICAL FEATURES AND DELINEATIONS OBTAINED FROM AERIAL PHOTOGRAPHY AND SURVEYED DATUM PROVIDED TO ENVROSOURCE TECHNOLOGIES BY: J.J. HOWARD ENGINEERING-SURVEYING; 1675-A HILL ROAD; BOISE, IDAHO 83702. DATE OF ORIGINAL SURVEY - NOVEMBER 4, 1995.
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  - A. THE CURRENT TOP OF WASTE ELEVATIONS FOR CELL 14 AS OF JANUARY 2, 1996. SURVEY BY: J.J. HOWARD.
  - B. THE CURRENT TOP OF WASTE ELEVATIONS FOR CELL 14 AS OF DECEMBER 30, 1997. SURVEY BY: J.J. HOWARD.
  - C. UPDATE OF EXISTING SURFACE TOPOGRAPHY NORTH OF SUB-CELL 14-6 AS OF APRIL 27, 1998. SURVEY BY: J.J. HOWARD.
  - D. STABILIZATION AND CONTAINMENT BUILDING UPDATED AS OF JANUARY 14, 1997. SURVEY BY: J.J. HOWARD. DESIGN CONTOURS BY: ENVROSOURCE TECHNOLOGIES.
  - E. PAD 4 PROCESS PLANT AREA UPDATED AS OF APRIL 15, 1998. SURVEY BY: J.J. HOWARD.
3. AN ADDITIONAL 1,000 FEET TO THE NORTH OF SECTION 19 HAS BEEN SURVEYED AND INCORPORATED INTO THE EXISTING TOPOGRAPHY. SURVEY BY: J.J. HOWARD DATED FEBRUARY 20, 1998.



B	11/20/03	2003 PERMIT RENEWAL		
A	7/28/03	ISSUED FOR PART B PERMIT RENEWAL APPLICATION		
REV.	BY	DATE	DESCRIPTION	PROJ. ENGR. DATE

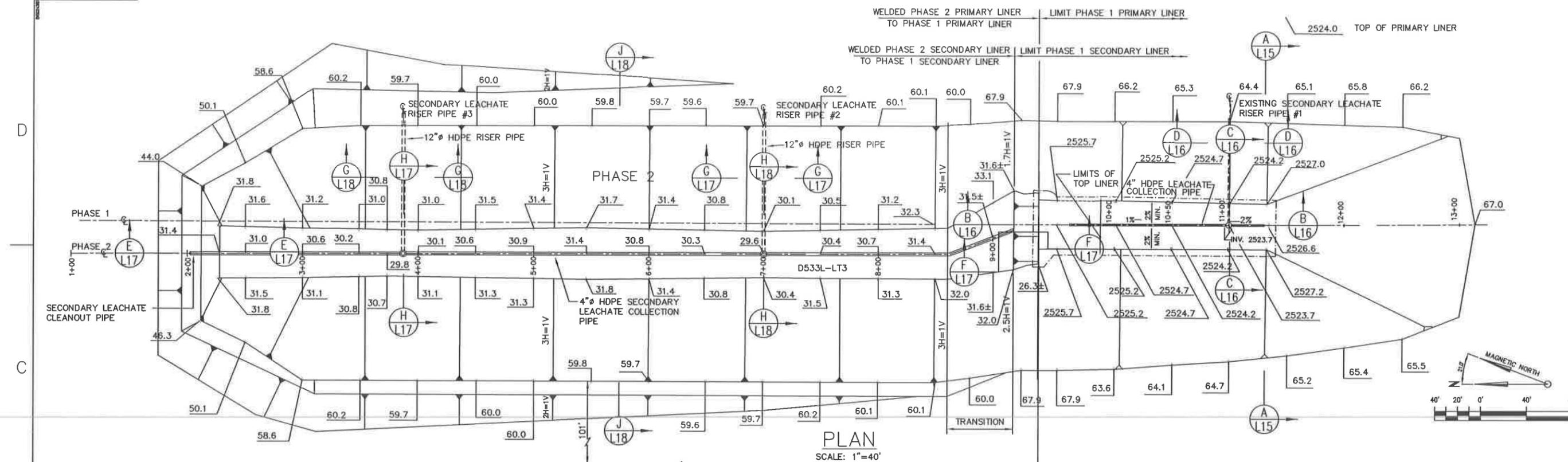
**USEcology Idaho**  
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SITE B  
 GRAND VIEW, IDAHO  
 US EPA ID NO. IOD 073 114 654

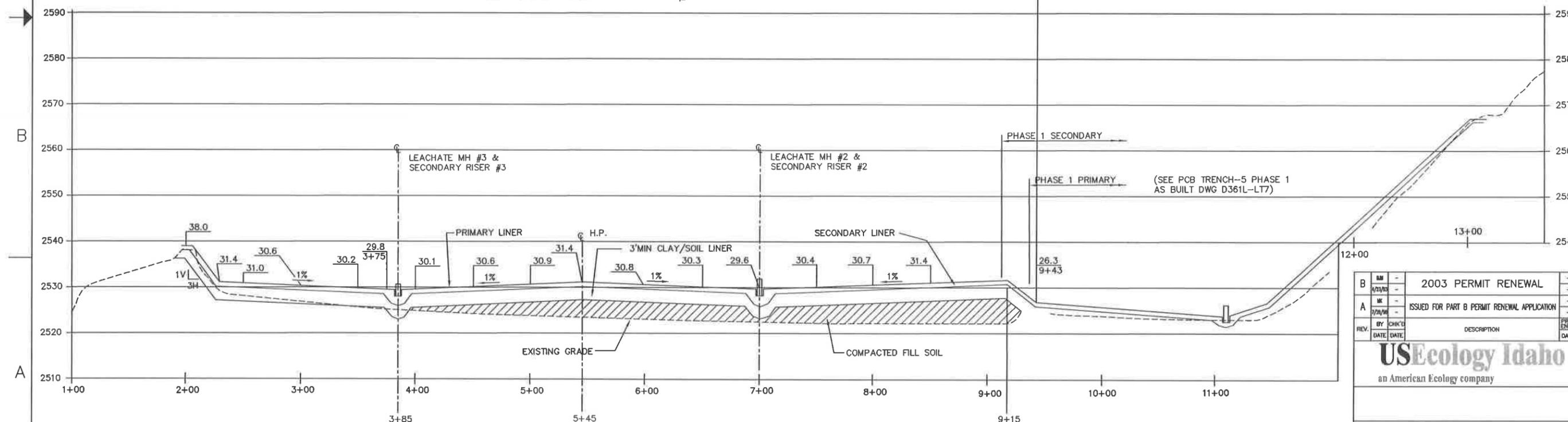
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CHKD BY:	DATE:	ENGR. DATE:	DWG. NO.:	PRM-L11
PROJ. MGR. DATE:	APPROVED DATE:	PROJ. NO.:	PRM	B

LEGEND

DWG. NO. PRM-L12  
 PROJ. NO. PRM



PLAN  
 SCALE: 1"=40'

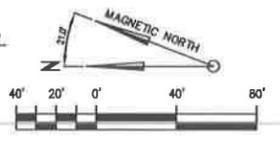


PROFILE  
 SCALE: 1"=40' HORZ.  
 1"=10' VERT.

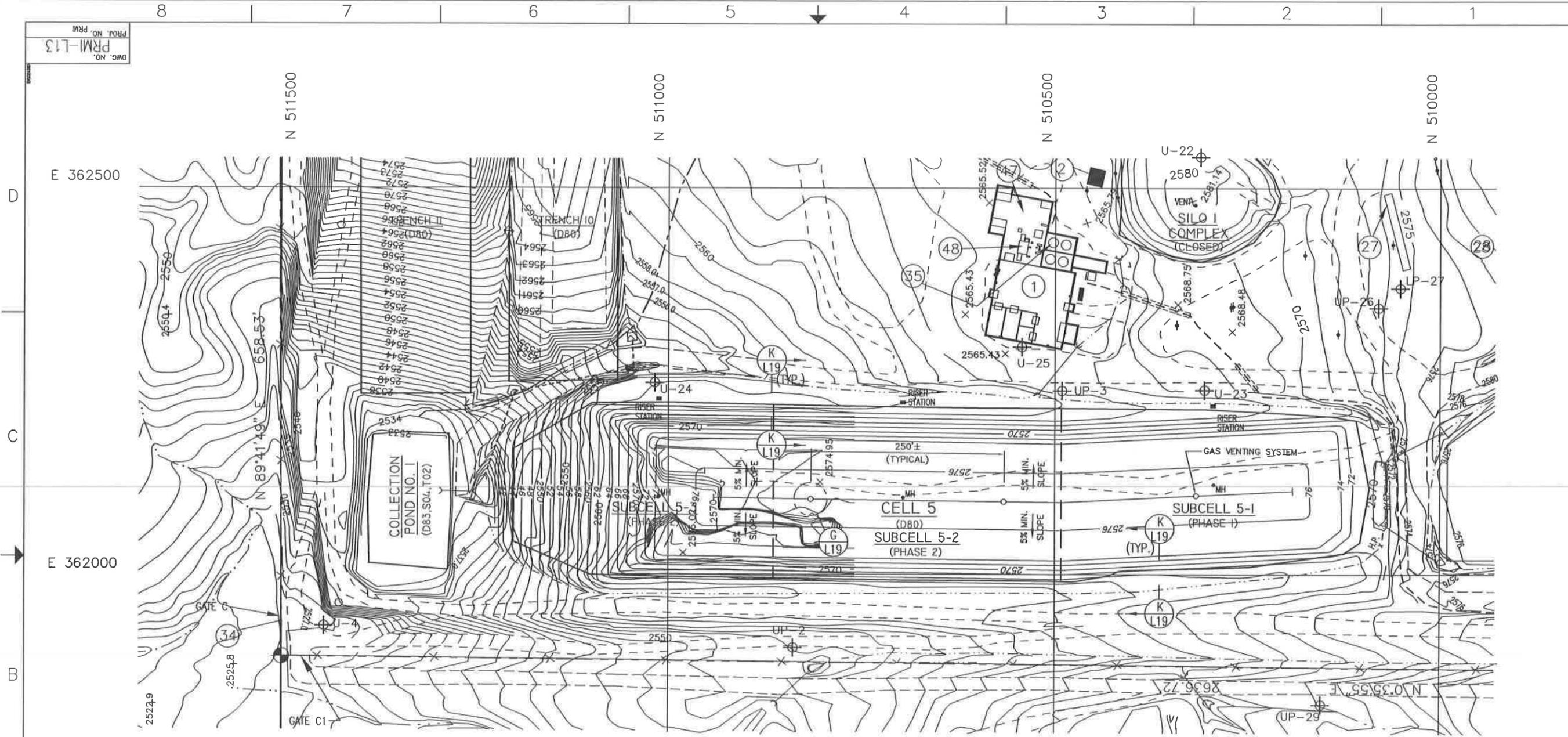
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A	MK	-	ISSUED FOR PART B PERMIT RENEWAL APPLICATION	-	1/23/03
REV.	BY	CHK'D	DESCRIPTION	PROJ. ENGR.	DATE
	DATE	DATE		ENGR.	DATE

**USEcology Idaho**  
 an American Ecology company

SITE B GRAND VIEW, IDAHO US EPA ID NO. IDD 073 114 654					
TITLE: CIVIL CELL 5 TYPICAL PRIMARY LINER PLAN					
DRAWN BY:	DATE:	SCALE:	FILE CODE:	PRM-L12B	REV. NO.:
MK	6/04/98		DWG. NO.:	PRM-L12	B
CHECKED:	DATE:	ENGINEER:	DATE:	PROJ. NO.:	PRM



DWG. NO. PRM-L13  
 PROJ. NO. PRM



**LEGEND**

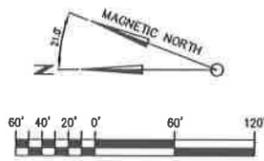
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**FACILITY KEY**

- 1 PAD 4 PROCESS PLANT
- 2 COMPRESSOR/M.C.C. BUILDING
- 27 SAMPLING PLATFORM
- 28 STAGING AREA
- 34 EVACUATION GATES
- 35 RCRA/TSCA STORAGE TANKS

**GENERAL NOTES:**

1. EXISTING SITE TOPOGRAPHY, PHYSICAL FEATURES AND DELINEATIONS OBTAINED FROM AERIAL PHOTOGRAPHY AND SURVEYED DATUM PROVIDED TO ENVIRONMENTAL TECHNOLOGIES BY: J.J. HOWARD ENGINEERING-SURVEYING; 1675-A HILL ROAD; BOISE, IDAHO 83702. DATE OF ORIGINAL SURVEY - NOVEMBER 4, 1995.
2. ADDITIONALLY THE FOLLOWING AREAS OF THE SITE HAVE BEEN UPDATED AND INCORPORATED INTO THE EXISTING SITE PLAN AS FOLLOWS:
  - A. AN ADDITIONAL 1,000 FEET TO THE NORTH OF SECTION 19 HAS BEEN SURVEYED AND INCORPORATED INTO THE EXISTING TOPOGRAPHY. SURVEY BY: J.J. HOWARD DATED FEBRUARY 20, 1998.
  - B. STABILIZATION AND CONTAINMENT BUILDING UPDATED AS OF JANUARY 14, 1997. SURVEY BY: J.J. HOWARD. DESIGN CONTOURS BY: ENVIRONMENTAL TECHNOLOGIES.
  - C. PAD 4 PROCESS PLANT AREA UPDATED AS OF APRIL 15, 1998. SURVEY BY: J.J. HOWARD.
  - D. LEACHATE FORCE MAIN AND SOIL STOCKPILE SURVEY UPDATED AS OF FEBRUARY 15, 1999. SURVEY BY: J.J. HOWARD.
  - E. THE CURRENT TOP OF WASTE ELEVATIONS FOR CELL 5 AS OF JANUARY 2, 1996. SURVEY BY: J.J. HOWARD.
  - F. THE CURRENT TOP OF WASTE ELEVATIONS FOR CELL 14 AS OF JANUARY 04, 2001. SURVEY BY: J.J. HOWARD.
  - G. TOPOGRAPHY OF TRENCHES 10 AND 11 UPDATED AS OF SEPTEMBER 12, 2000. SURVEY BY: J.J. HOWARD.
  - H. UPDATE OF CONTAINER STORAGE AREA NO. 1 TOPOGRAPHY AS OF JUNE 18, 1999. SURVEY BY: J.J. HOWARD.
  - I. BORROW AREA TOPOGRAPHY UPDATED AS OF DECEMBER 12, 2000. SURVEY BY: J.J. HOWARD.
  - J. WEST HAUL ROAD TOPOGRAPHY UPDATED AS OF DECEMBER 05, 2000. SURVEY BY: J.J. HOWARD.
  - K. ET CAP TEST PAD TOPOGRAPHY UPDATED AS OF NOVEMBER 06, 2000. SURVEY BY: J.J. HOWARD.



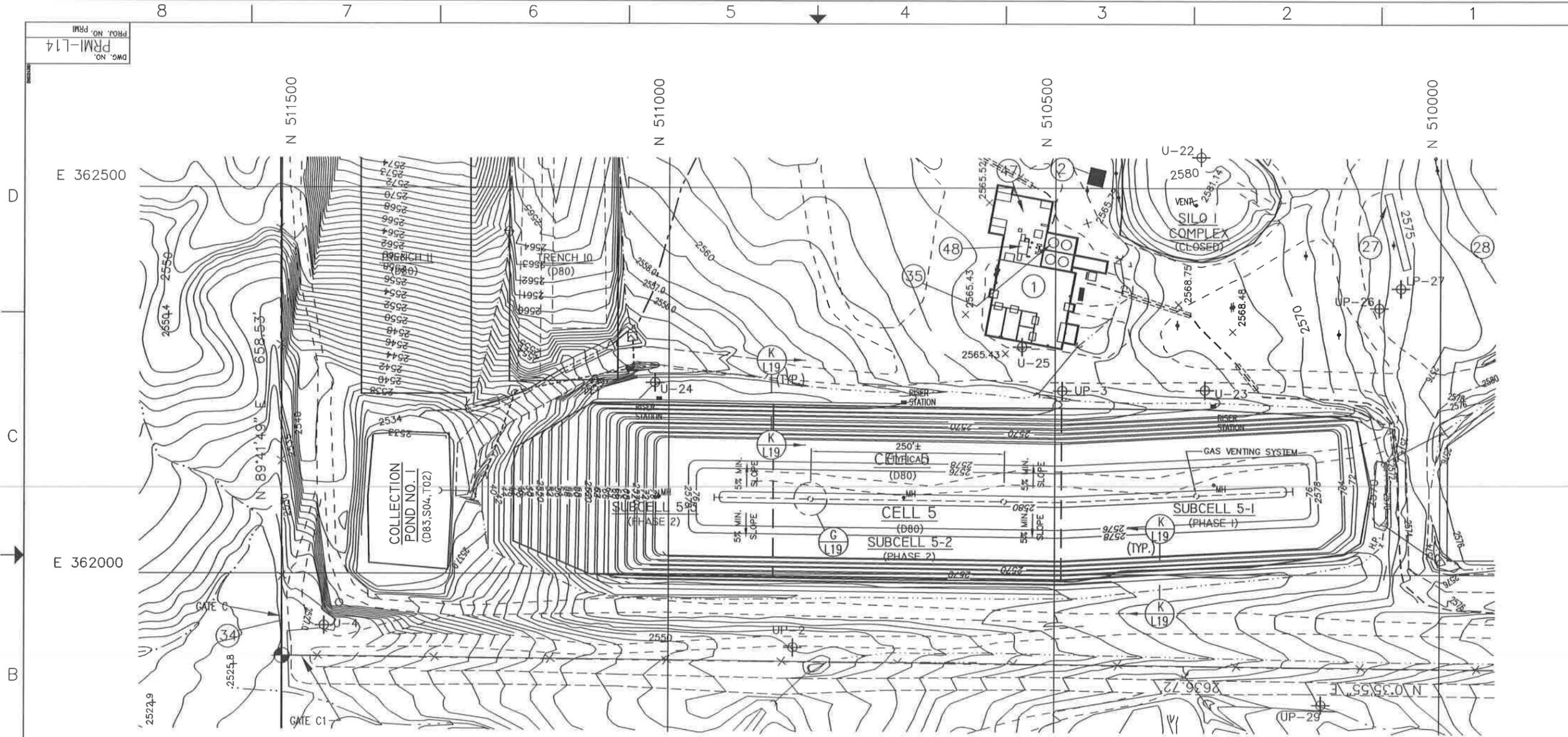
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C	04/27/91	-	ISSUED IN RESPONSE TO NOD LETTER DATED JUNE 30, 1999	-	04/27/91
B	01/15/99	-	ISSUED FOR JANUARY 1999 CLASS 3 PERMIT MODIFICATION	-	01/15/99
A	07/09/98	-	ISSUED FOR PART B PERMIT RENEWAL APPLICATION	-	07/09/98
REV.	BY	CHK'D	DESCRIPTION	PROJ. ENGR.	SURV. ENGR.
	DATE	DATE		DATE	DATE

**USEcology Idaho**  
 an American Ecology company

SITE B  
 GRAND VIEW, IDAHO  
 US EPA ID NO. IDD 073 114 654

TITLE: CIVIL CELL 5 TYPICAL SUBGRADE PLAN AT CLOSURE					
DRAWN BY:	DATE:	SCALE:	FILE CODE:	PRM-L13	REV. NO.:
MK	6/04/98		DWG. NO.:	PRM-L13	D
CHECKED:	DATE:	ENGINEER:	DATE:	PROJ. NO.:	PRM
PROJ. MGR.:	DATE:	APPROVED:	DATE:	PROJ. NO.:	PRM

PROJ. NO. PRM-L14  
 DWG. NO. PRM-L14



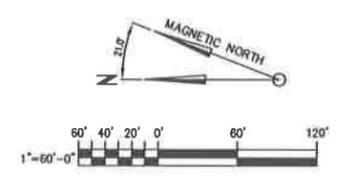
**LEGEND**

	5/8" IRON PIN W/ ALUMINUM CAP
	POWER POLE
	SPOT ELEVATION
	WELL
	FENCE LINE
	PROPERTY BOUNDARY
	UNIMPROVED ROAD
	EXISTING TOPOGRAPHY AS OF NOV. 4, 1995
	RCRA UNIT BOUNDARY
	CULVERT
	DRAINAGE
	CARRIER PIPE
	POND WATER TRANSFER PIPE
	FACILITY KEY NUMBER
	LEACHATE PIPE W/SLEEVE
	GAS VENTING SYSTEM

**FACILITY KEY**

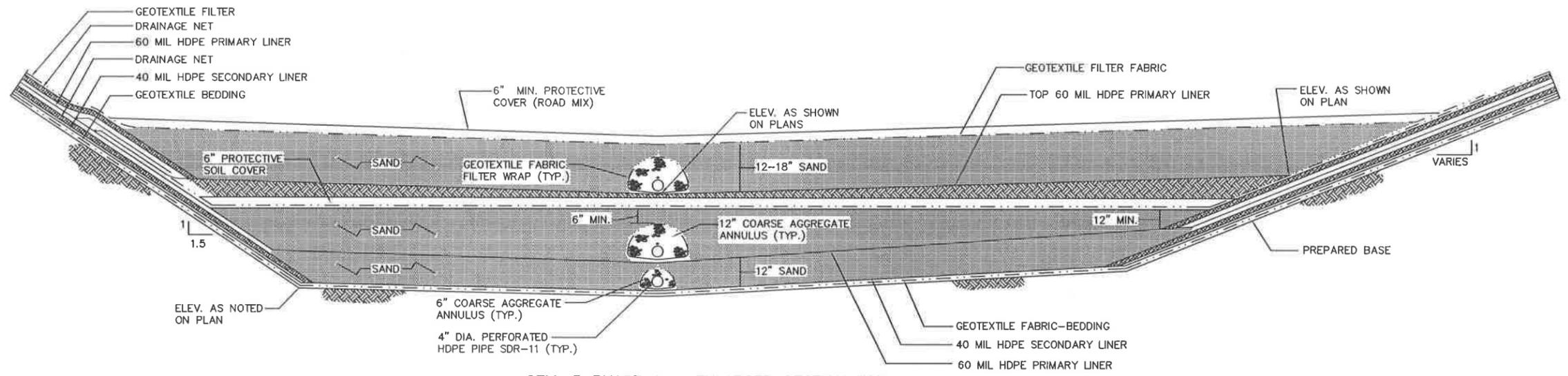
1	PAD 4 PROCESS PLANT
2	COMPRESSOR/M.C.C. BUILDING
27	SAMPLING PLATFORM
28	STAGING AREA
34	EVACUATION GATES
35	RCRA/TSCA STORAGE TANKS

- GENERAL NOTES:**
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  - ADDITIONALLY THE FOLLOWING AREAS OF THE SITE HAVE BEEN UPDATED AND INCORPORATED INTO THE EXISTING SITE PLAN AS FOLLOWS:
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    - LEACHATE FORCE MAIN AND SOIL STOCKPILE SURVEY UPDATED AS OF FEBRUARY 15, 1999. SURVEY BY: J.J. HOWARD.
    - THE CURRENT TOP OF WASTE ELEVATIONS FOR CELL 5 AS OF JANUARY 2, 1998. SURVEY BY: J.J. HOWARD.
    - THE CURRENT TOP OF WASTE ELEVATIONS FOR CELL 14 AS OF JANUARY 04, 2001. SURVEY BY: J.J. HOWARD.
    - TOPOGRAPHY OF TRENCHES 10 AND 11 UPDATED AS OF SEPTEMBER 12, 2000. SURVEY BY: J.J. HOWARD.
    - UPDATE OF CONTAINER STORAGE AREA NO. 1 TOPOGRAPHY AS OF JUNE 18, 1999. SURVEY BY: J.J. HOWARD.
    - BORROW AREA TOPOGRAPHY UPDATED AS OF DECEMBER 12, 2000. SURVEY BY: J.J. HOWARD.
    - WEST HAUL ROAD TOPOGRAPHY UPDATED AS OF DECEMBER 05, 2000. SURVEY BY: J.J. HOWARD.
    - ET CAP TEST PAD TOPOGRAPHY UPDATED AS OF NOVEMBER 06, 2000. SURVEY BY: J.J. HOWARD.



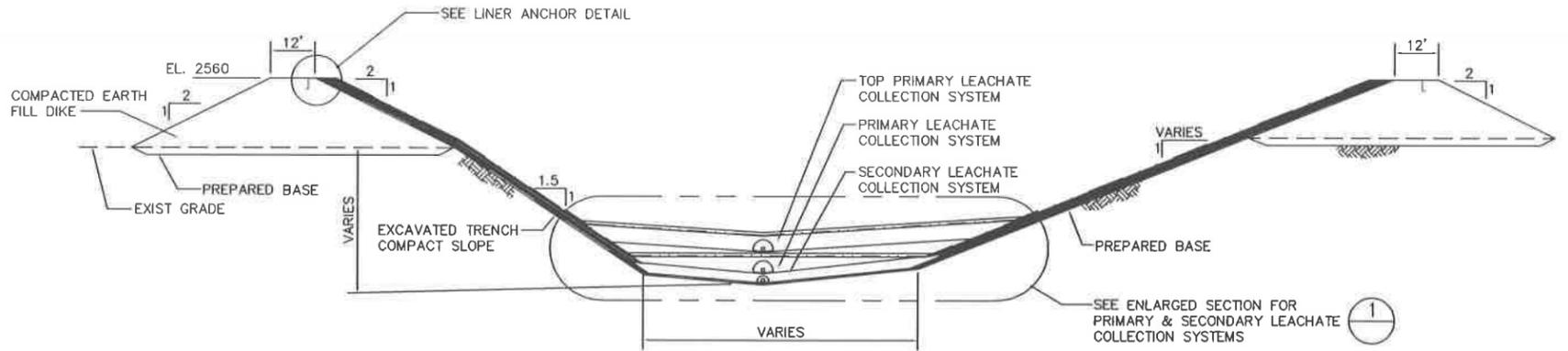
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C	04/27/01	-	ISSUED IN RESPONSE TO NOD LETTER DATED JUNE 30, 1999	-	MBS
B	01/19/99	-	ISSUED FOR JANUARY 1999 CLASS 3 PERMIT MODIFICATION	-	-
A	07/04/98	-	ISSUED FOR PART B PERMIT RENEWAL APPLICATION	-	-
REV.	BY	CHK'D	DESCRIPTION	PROJ. ENGR.	SURV. ENGR.
	DATE	DATE		DATE	DATE
<p><b>USEcology Idaho</b>          an American Ecology company</p>					
<p>SITE B          GRAND VIEW, IDAHO          US EPA ID NO. ID0 073 114 654</p>					
<p>TITLE:          CIVIL          CELL 5          TYPICAL FINAL GRADING PLAN</p>					
DRAWN BY:	DATE:	SCALE:	FILE CODE:	PRM114D	REV. NO.:
MK	6/04/98		DWG. NO.:		
CHECKED:	DATE:	ENGINEER:	DATE:	PRM-L14	D
PROJ. MGR.:	DATE:	APPROVED:	DATE:	PROJ. NO.:	PRM1

DWG. NO. PRM-L15  
 PROJ. NO. PRM



CELL 5 PHASE 1 - ENLARGED SECTION FOR  
 PRIMARY AND SECONDARY LEACHATE COLLECTION SYSTEMS

DETAIL 1  
 SCALE: N.T.S.



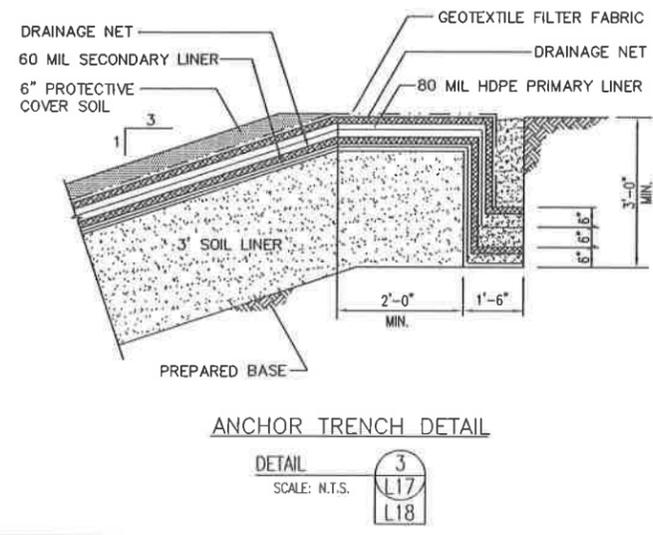
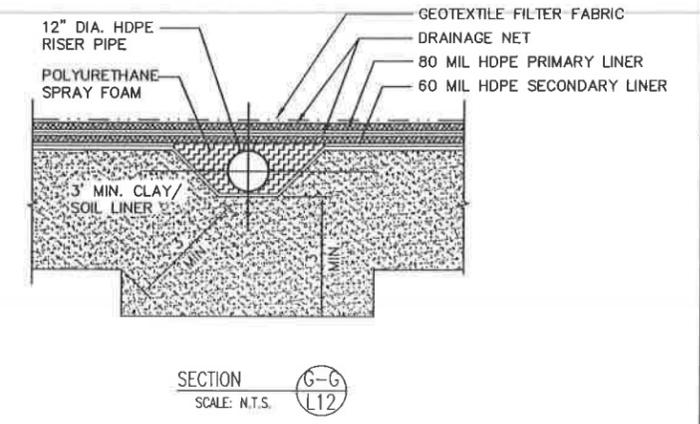
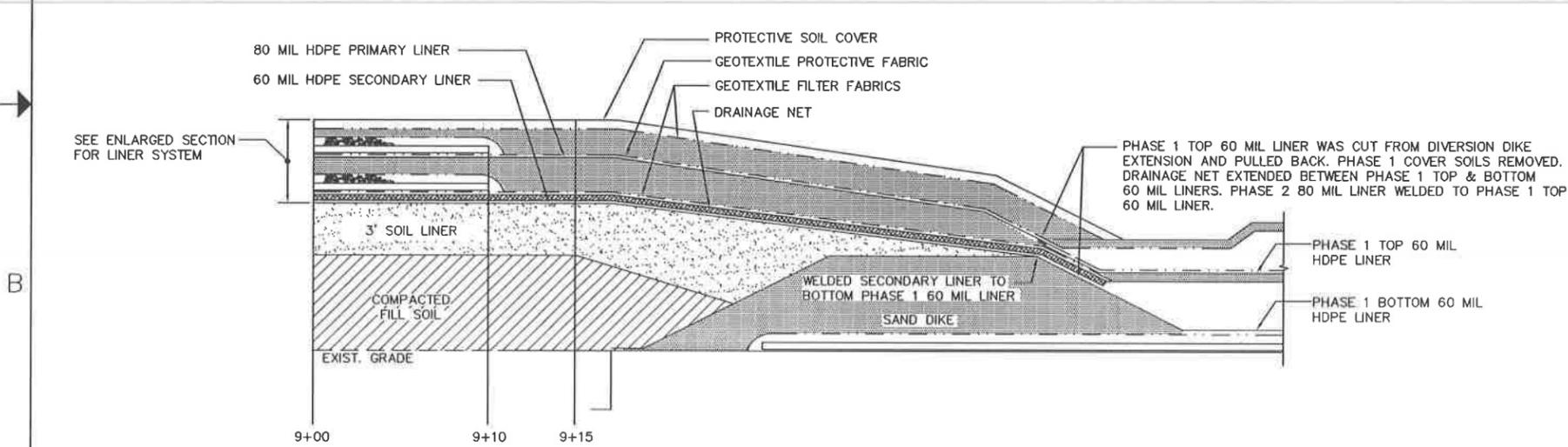
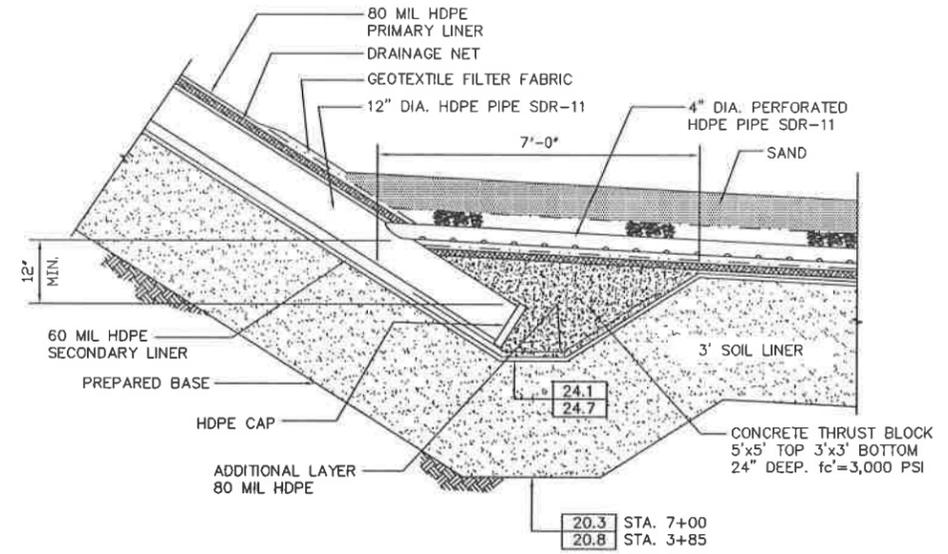
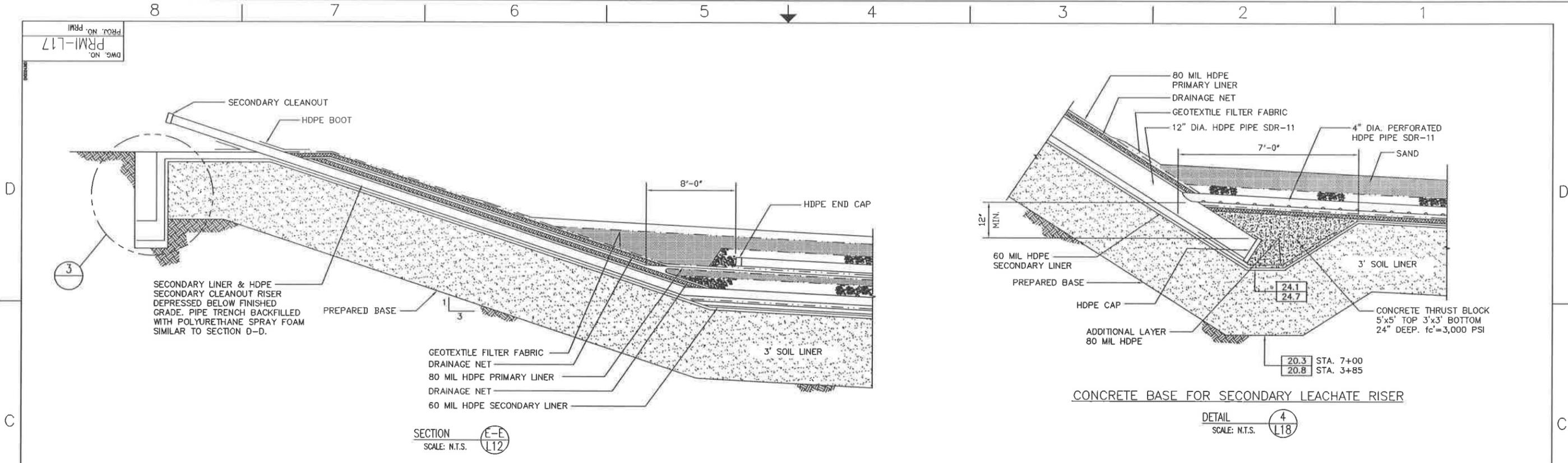
CELL 5 PHASE 1 - TYPICAL SECTION

SECTION A-A  
 SCALE: N.T.S.

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A	11/27/03	-	ISSUED FOR PART B PERMIT RENEWAL APPLICATION	-	AI
REV.	BY	CHK'D	DESCRIPTION	PROJ. ENGR.	DATE
	DATE	DATE		ENGR.	DATE
<b>USEcology Idaho</b> an American Ecology company					
SITE B GRAND VIEW, IDAHO US EPA ID NO. IDD 073 114 654					
TITLE: CIVIL CELL 5 - PHASE I TYPICAL SECTIONS AND DETAILS					
DRAWN BY:	DATE	SCALE:	FILE CODE:	PRM15B	REV. NO.
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PROJ. MGR:	DATE	APPROVED:	DATE	PRM	

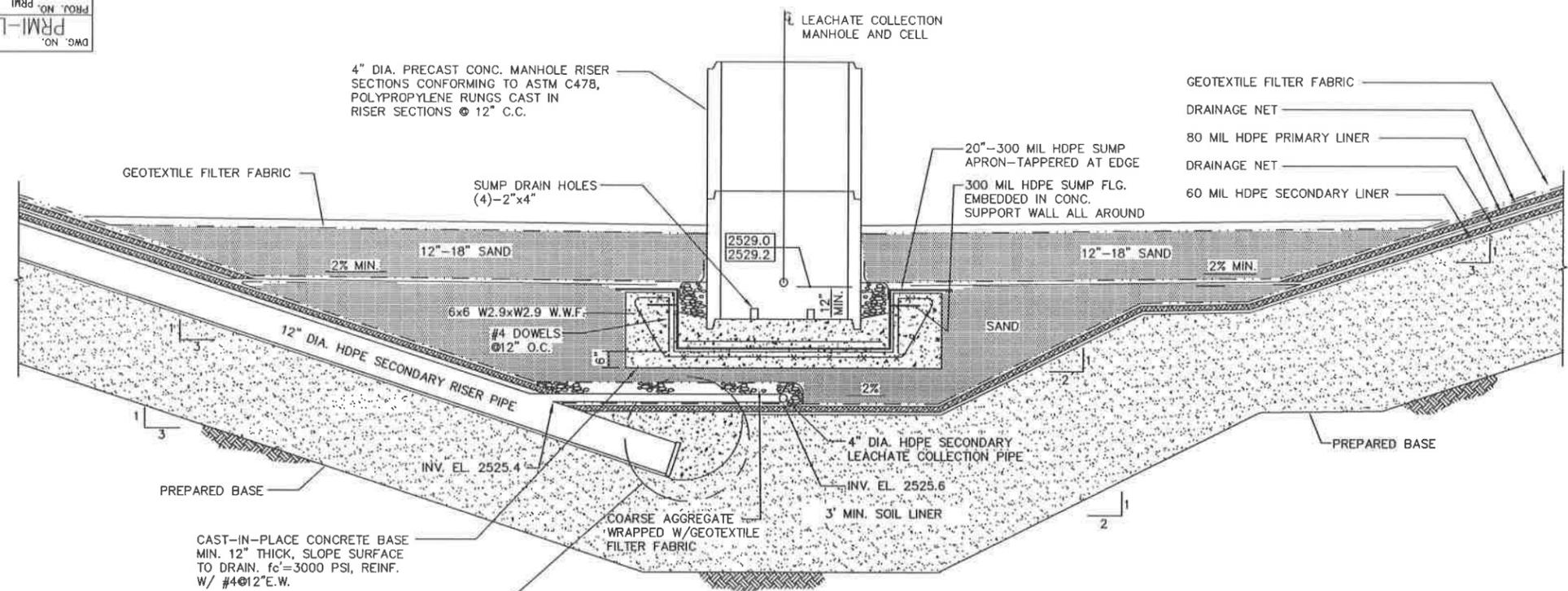


PRM-117  
 DWG. NO.  
 PROJ. NO. PRM

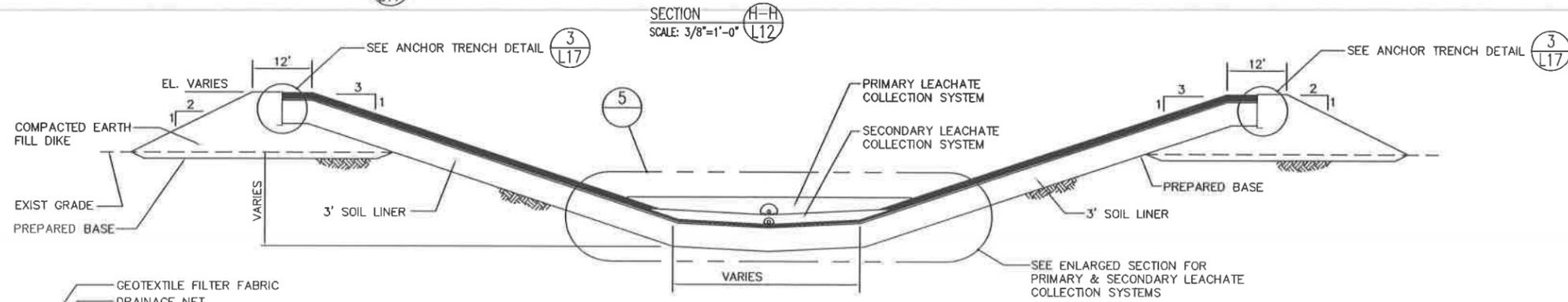


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A	1/27/03	-	ISSUED FOR PART B PERMIT RENEWAL APPLICATION	-	11
REV.	BY	CHK'D	DESCRIPTION	PROJ. ENGR.	SUPV. ENGR.
	DATE	DATE		DATE	DATE
<b>USEcology Idaho</b> an American Ecology company					
SITE B GRAND VIEW, IDAHO US EPA ID NO. IDD 073 114 654					
TITLE: CIVIL CELL 5 - PHASE II TYPICAL SECTIONS AND DETAILS					
DRAWN BY:	DATE:	SCALE:	FILE CODE:	PRM117B	REV. NO.
MK	6/10/98		DWG. NO.	PRM1-L17	B
CHECKED:	DATE:	ENGINEER:	DATE:	PROJ. NO.:	PRM1
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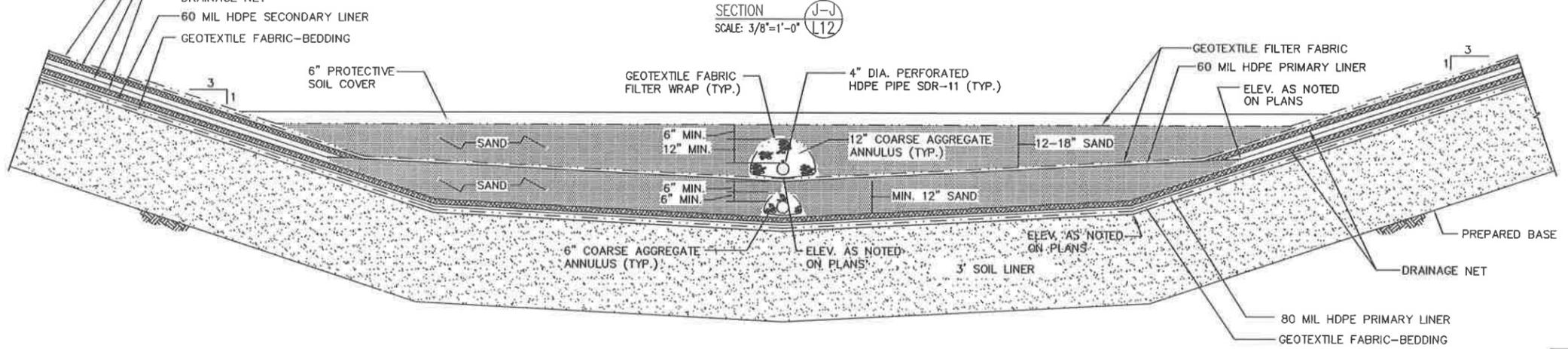
DWG. NO. PRM-L18  
 PROJ. NO. PRM



PHASE 2 - SUMP DETAIL



CELL 5 - PHASE 2 - TYPICAL SECTION



ENLARGED SECTION - PRIMARY & SECONDARY LEACHATE COLLECTION SYSTEMS

B	MM	-	2003 PERMIT RENEWAL	-	MM
A	MM	-	ISSUED FOR PART B PERMIT RENEWAL APPLICATION	-	MM
REV.	BY	CHK'D	DESCRIPTION	PROJ. SUIP	ENGR. ENGR.
	DATE	DATE		DATE	DATE

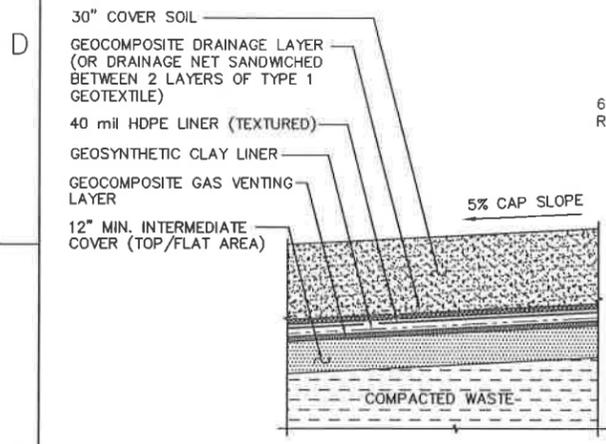
**USEcology Idaho**  
 an American Ecology company

SITE B  
 GRAND VIEW, IDAHO  
 US EPA ID NO. IDD 073 114 654

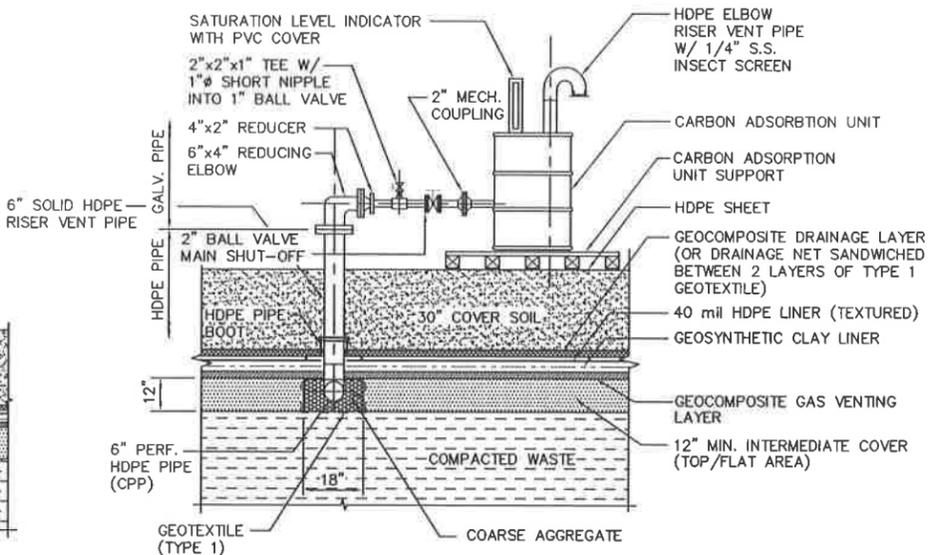
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CHK'D:	DATE:	ENGINEER:	DATE:	DWG. NO.:	PRM-L18
PROJ. MGR.:	DATE:	APPROVED:	DATE:	PROJ. NO.:	PRM

DETAIL 5  
 SCALE: 3/8"=1'-0"

PRM-L19  
PRM

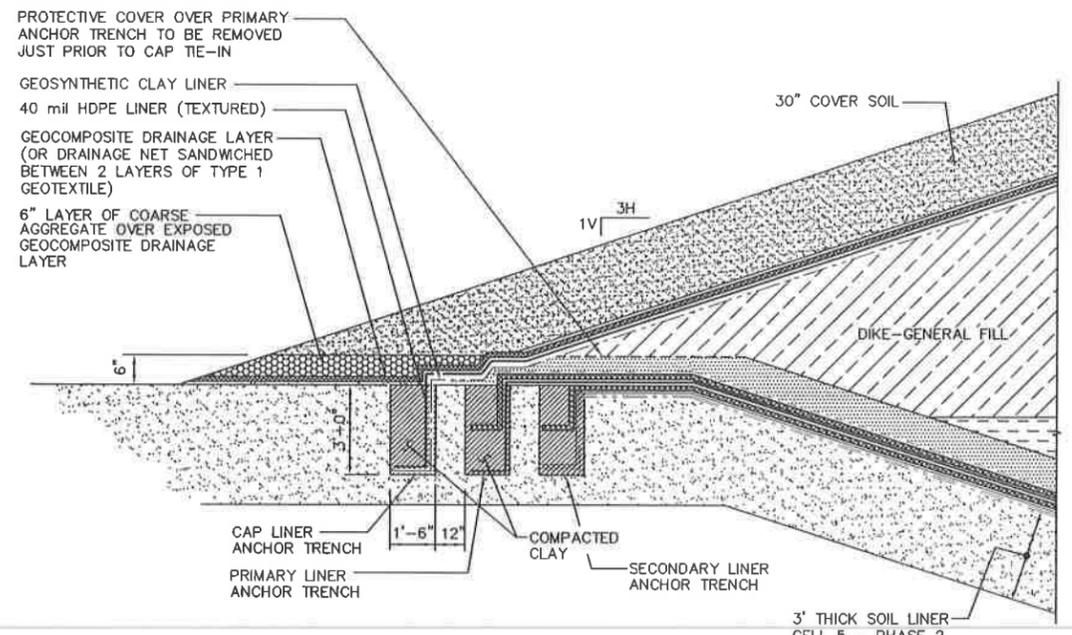


TYPICAL FINAL CLOSURE CAP SYSTEM DETAIL (TOP/FLAT AREA)



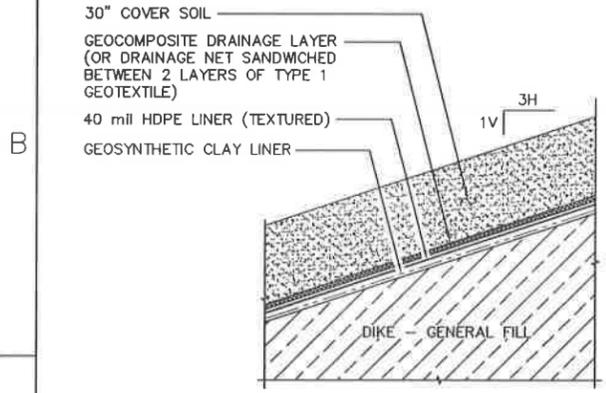
TYPICAL FINAL CLOSURE CAP SYSTEM GAS VENTING SYSTEM DETAIL

DETAIL 6  
SCALE: N.T.S.  
L13  
L14

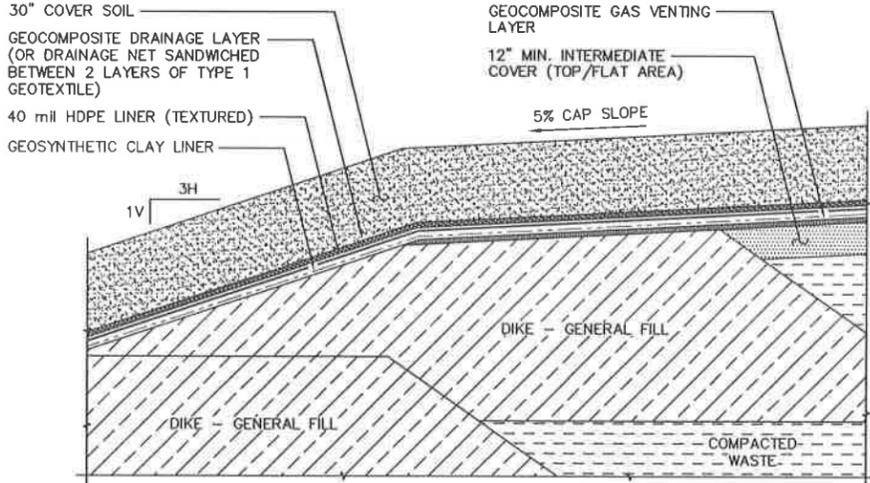


ANCHOR TRENCH AND FINAL CLOSURE CAP INTERFACE DETAIL

SECTION K-K  
SCALE: 3/8"=1'-0"  
L14



TYPICAL FINAL CLOSURE CAP SYSTEM DETAIL (3H:1V SIDE SLOPES)



TYPICAL FINAL CLOSURE CAP SYSTEM (TOP/SIDESLOPE INTERFACE DETAIL)

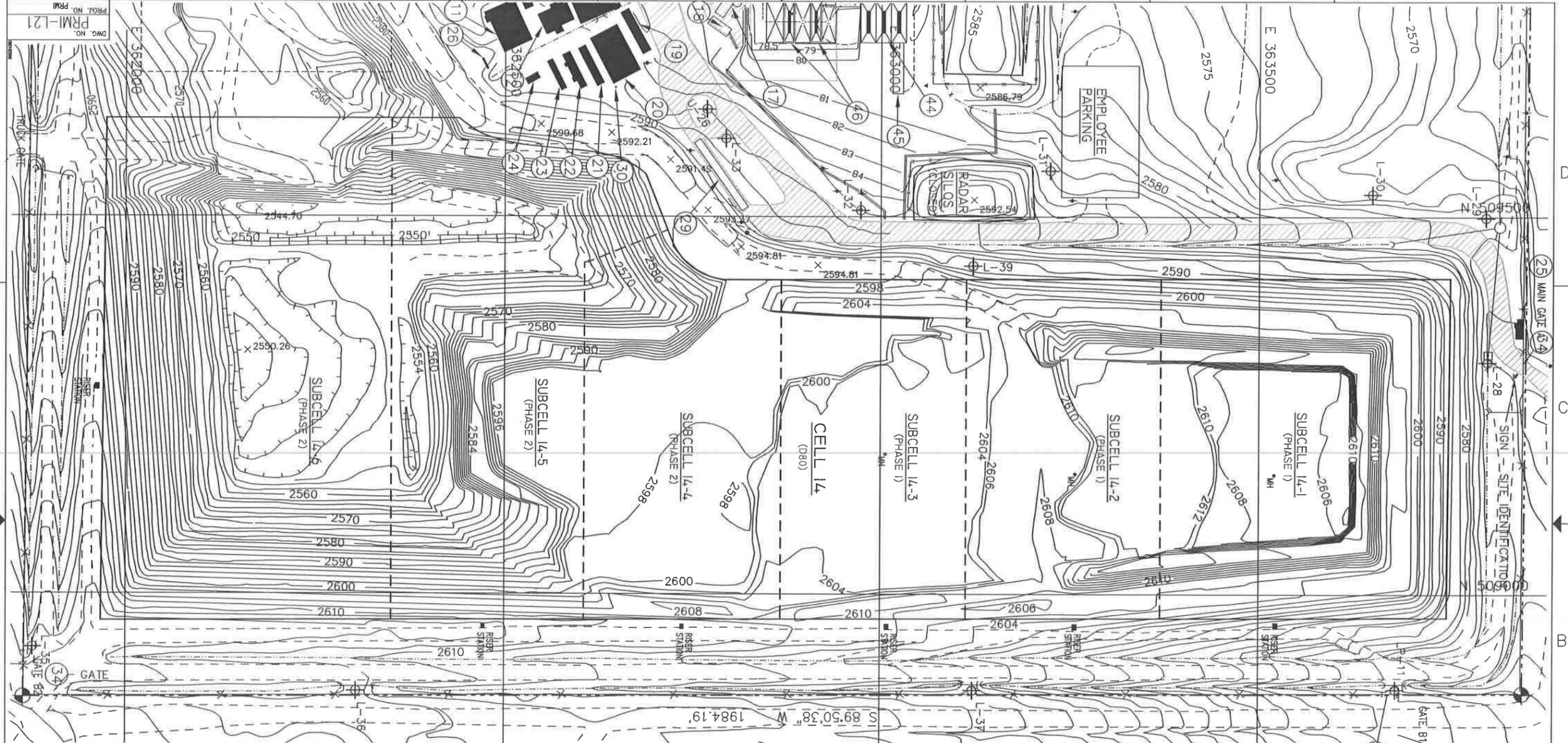
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A	7/25/01	-	ISSUED FOR PART B PERMIT RENEWAL APPLICATION	-	-
REV.	BY	CHK'D	DESCRIPTION	PROJ. ENGR.	SUPV. ENGR.
	DATE	DATE		DATE	DATE

**USEcology Idaho**  
an American Ecology company

SITE B  
GRAND VIEW, IDAHO  
US EPA ID NO. IDD 073 114 654

TITLE:  
CIVIL  
CELL 5 - FINAL CLOSURE  
TYPICAL CAP SYSTEM SECTIONS AND DETAILS

DRAWN BY:	DATE:	SCALE:	FILE CODE:	PRM1198	REV. NO.:
MK	7/9/98		DWG. NO.:	PRM-L19	B
CHECKED:	DATE:	ENGINEER:	DATE:	PROJ. NO.:	PRM1
PROJ. MGR.:	DATE:	APPROVED:	DATE:		



**LEGEND**

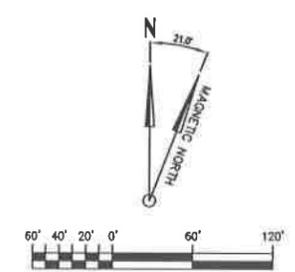
	5/8" IRON PIN W/ ALUMINUM CAP
	POWER POLE
	SPOT ELEVATION
	WELL
	FENCE LINE
	PROPERTY BOUNDARY
	UNIMPROVED ROAD
	PAVED ROAD
	EXISTING TOPOGRAPHY AS OF NOV. 4, 1995
	RCRA UNIT BOUNDARY
	CULVERT
	DRAINAGE
	FACILITY KEY NUMBER

**FACILITY KEY**

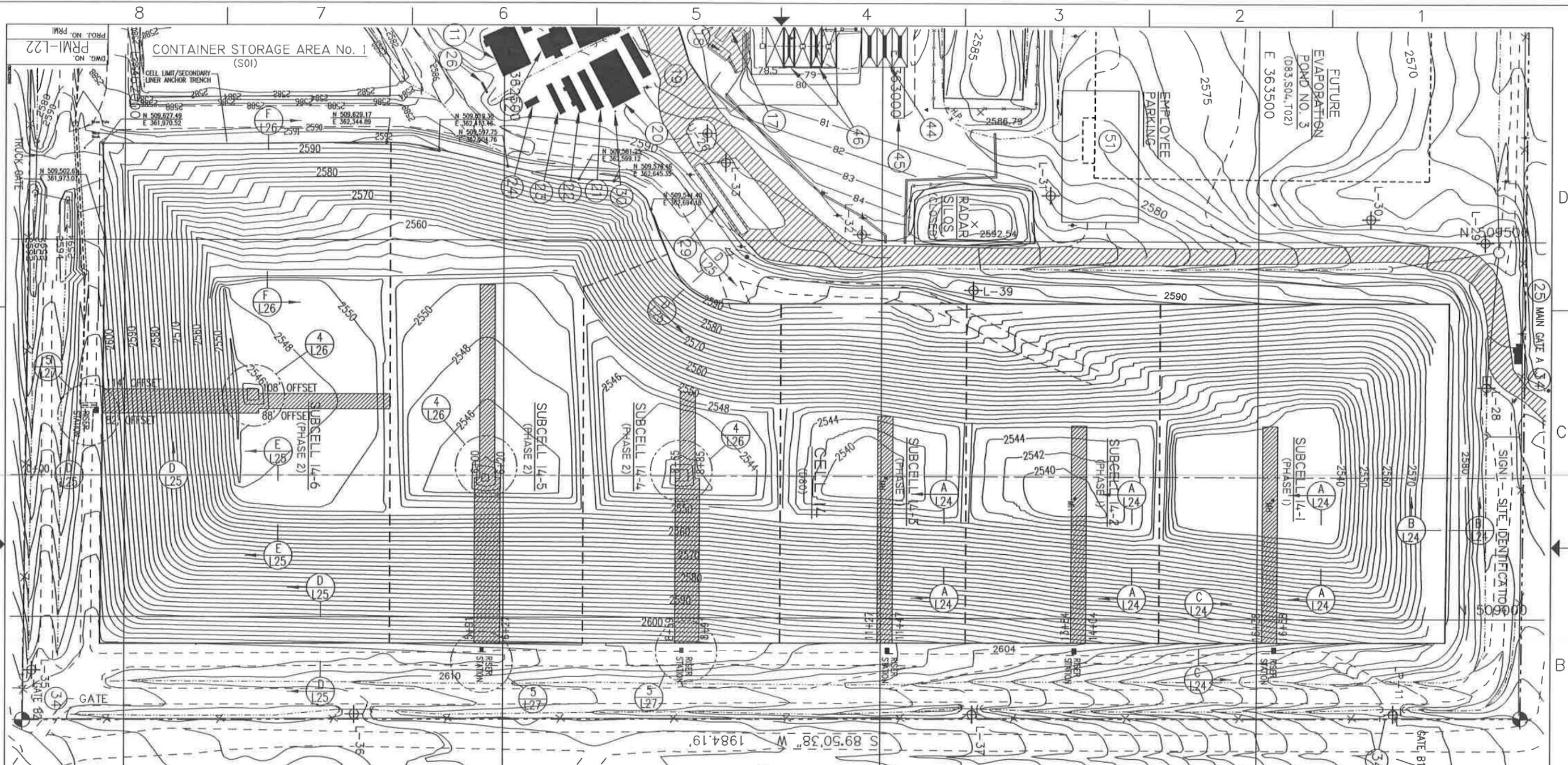
11	DECONTAMINATION BUILDING
12	LAB OFFICES
17	PUMP HOUSE/WATER STORAGE TANKS
18	COMPRESSED GAS STORAGE AREA
19	TRANSPORTATION BUILDING
20	ADMINISTRATION LUNCH ROOM
21	REGULATORY OFFICE
22	RECORDS STORAGE BUILDING
23	ADMINISTRATION OFFICE NO. 5
24	IDEO TRAILER
25	SECURITY BUILDING
26	PROPANE TANK
29	TRUCK SCALE
34	EVACUATION GATES
44	CONTAINMENT BUILDING TRUCK UNLOADING APRONS 1, 2 AND 3 (S01,T04,T21,T38,T39)
45	CONTAINMENT BUILDING TRUCK UNLOADING RAMP
46	STABILIZATION BUILDING TRUCK UNLOADING APRONS 1 AND 2 (S01,T04,T21,T38,T39)

**GENERAL NOTES:**

- EXISTING SITE TOPOGRAPHY, PHYSICAL FEATURES AND DELINEATIONS OBTAINED FROM AERIAL PHOTOGRAPHY AND SURVEYED DATUM PROVIDED TO ENVIROSOURCE TECHNOLOGIES BY: J.J. HOWARD ENGINEERING-SURVEYING; 1675-A HILL ROAD; BOISE, IDAHO 83702. DATE OF ORIGINAL SURVEY - NOVEMBER 4, 1995.
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  - THE CURRENT TOP OF WASTE ELEVATIONS FOR CELL 5 AS OF JANUARY 2, 1996. SURVEY BY: J.J. HOWARD.
  - THE CURRENT TOP OF WASTE ELEVATIONS FOR CELL 14 AS OF DECEMBER 30, 1997. SURVEY BY: J.J. HOWARD.
  - UPDATE OF EXISTING SURFACE TOPOGRAPHY NORTH OF SUB-CELL 14-8 AS OF APRIL 27, 1998. SURVEY BY: J.J. HOWARD.
  - STABILIZATION AND CONTAINMENT BUILDING UPDATED AS OF JANUARY 14, 1997. SURVEY BY: J.J. HOWARD. DESIGN CONTOURS BY: ENVIROSOURCE TECHNOLOGIES.
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B	MM	-	2003 PERMIT RENEWAL	-	MM
A	RR	-	ISSUED FOR PART B PERMIT RENEWAL APPLICATION	-	MM
REV.	BY	CHK'D	DESCRIPTION	PROJ. ENGR.	DATE
	DATE	DATE		DATE	DATE
<b>USEcology Idaho</b> an American Ecology company					
SITE B GRAND VIEW, IDAHO US EPA ID NO. IDD 073 114 654					
TITLE: CIVIL CELL 14 TYPICAL SITE PLAN					
DRAWN BY:	DATE:	SCALE:	FILE CODE:	PRM121B	REV. NO.
MK	6/04/98		DWG. NO.:	PRMI-L21	B
CHECKED:	DATE:	ENGINEER:	DATE:	PROJ. NO.:	PRMI
PROJ. MGR.:	DATE:	APPROVED:	DATE:	PROJ. NO.:	PRMI



**LEGEND**

- 5/8" IRON PIN W/ ALUMINUM CAP
- POWER POLE
- SPOT ELEVATION
- WELL
- FENCE LINE
- PROPERTY BOUNDARY
- UNIMPROVED ROAD
- PAVED ROAD
- EXISTING TOPOGRAPHY
- RCRA UNIT BOUNDARY
- CULVERT
- DRAINAGE
- FACILITY KEY NUMBER
- LEACHATE PIPE W/ SLEEVE
- DENOTES AREA WHERE MACROENCAPSULATION IS RESTRICTED FROM PLACEMENT

**FACILITY KEY**

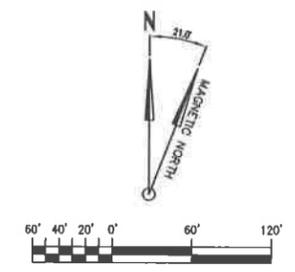
- 11 DECONTAMINATION BUILDING
- 12 LAB OFFICES
- 17 PUMP HOUSE/WATER STORAGE TANKS
- 18 COMPRESSED GAS STORAGE AREA
- 19 TRANSPORTATION BUILDING
- 20 ADMINISTRATION LUNCH ROOM
- 21 REGULATORY OFFICE
- 22 RECORDS STORAGE BUILDING
- 23 ADMINISTRATION OFFICE NO. 5
- 24 IDEO TRAILER
- 25 SECURITY BUILDING
- 26 PROPANE TANK
- 29 TRUCK SCALE
- 34 EVACUATION GATES
- 44 CONTAINMENT BUILDING TRUCK UNLOADING APRONS 1,2 AND 3 (S01,T04,T21,T36,T39)
- 45 CONTAINMENT BUILDING TRUCK UNLOADING RAMP
- 46 STABILIZATION BUILDING TRUCK UNLOADING APRONS 1 AND 2 (S01,T04,T21,T36,T39)

**GENERAL NOTES:**

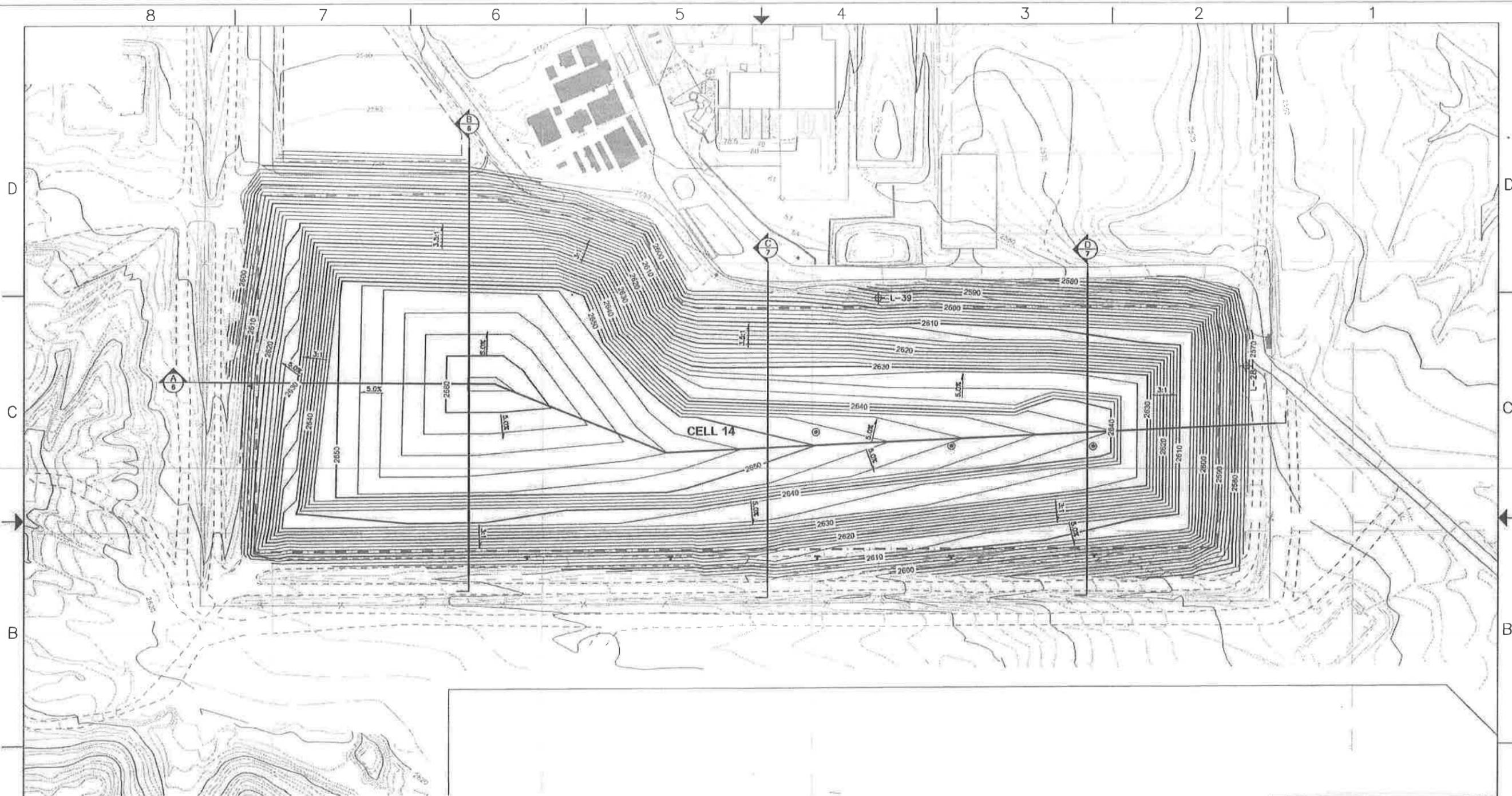
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  - H. UPDATE OF CONTAINER STORAGE AREA NO. 1 TOPOGRAPHY AS OF JUNE 18, 1999. SURVEY BY: J.J. HOWARD.
  - I. BORROW AREA TOPOGRAPHY UPDATED AS OF DECEMBER 12, 2000. SURVEY BY: J.J. HOWARD.

**GENERAL NOTES: (CONT.)**

- J. WEST HULL ROAD TOPOGRAPHY UPDATED AS OF DECEMBER 05, 2000. SURVEY BY: J.J. HOWARD.
- K. ET CAP TEST PAD TOPOGRAPHY UPDATED AS OF NOVEMBER 06, 2000. SURVEY BY: J.J. HOWARD.



C	2003 PERMIT RENEWAL	4/23/00	4/23/00
B	ISSUED IN RESPONSE TO NOD LETTER DATED JUNE 30, 1999	4/2/00	4/2/00
A	ISSUED FOR PART B PERMIT RENEWAL APPLICATION	7/2/00	7/2/00
REV.	BY	CHK'D	DATE
	DATE	DATE	DATE
<b>USEcology Idaho</b> an American Ecology company			
SITE B GRAND VIEW, IDAHO US EPA ID NO. IOD 073 114 654			
TITLE: CIVIL CELL 14 TYPICAL SECONDARY LINER PLAN			
DRAWN BY:	DATE:	SCALE:	FILE CODE: PRM122C
6/24/98			
CHECKED:	DATE:	ENGINEER:	DATE:
		PRM1-L22	
PROJ. MGR.	DATE:	APPROVED:	DATE:



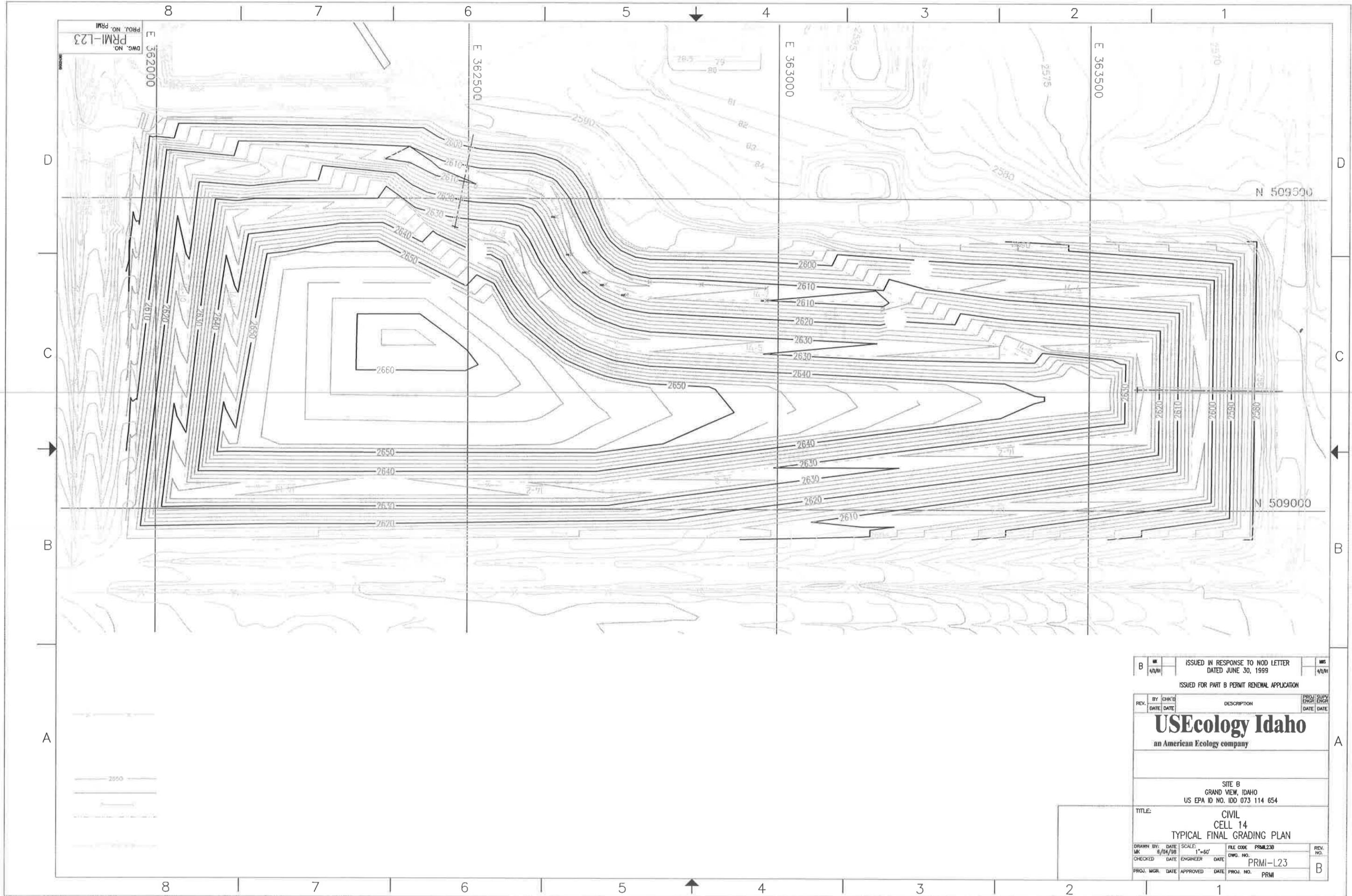
NOTES: CONTOUR INTERVAL 2- FEET  
 CONTOURS ARE FEET ABOVE MEAN SEA LEVEL  
 --- LIMITS OF LINED CELL

Explanation  
 ▴ Leachate riser and piping  
 ● Leachate riser manhole

**NOT FOR CONSTRUCTION**

REV.	BY	CHKD	DESCRIPTION	DATE	DATE
<b>USEcology Idaho</b> an American Ecology company					
<b>Daniel B. Stephens &amp; Associates, Inc.</b> ENVIRONMENTAL SCIENTISTS & ENGINEERS 8000 ACADEMY BLVD., SUITE 100, ALBUQUERQUE, NM 87105, (505) 822-8400					
SITE B GRAND VIEW, IDAHO US EPA ID NO. 800 073 114 654					
TITLE: CIVIL CELL 14 - FINAL CLOSURE FINAL COVER GRADING PLAN					
DRAWN BY	CHKD	SCALE	AS NOTED	FILE CODE	ES07.0130.070
10/25/10					
ENG'G	DATE	ENGINEER	DATE	SHEET	5 of 9
10/25/10	10/25/10	R.E. PERRY	10/25/10		
PROJ. MGR.	DATE	APPROVED	DATE	PROJ. NO.	ES07.0130
J. Kelley	10/25/10				
				REV. NO.	3





DWG. NO. PRM-L23  
 PROJ. NO. PRM

E 362000

E 362500

E 363000

E 363500

N 509500

N 509000

ISSUED IN RESPONSE TO NOD LETTER  
 DATED JUNE 30, 1999  
 ISSUED FOR PART B PERMIT RENEWAL APPLICATION

REV.	BY	CHK'D	DESCRIPTION	PROJ. SDR
DATE	DATE	DATE		ENGR

**USEcology Idaho**  
 an American Ecology company

SITE B  
 GRAND VIEW, IDAHO  
 US EPA ID NO. IDD 073 114 654

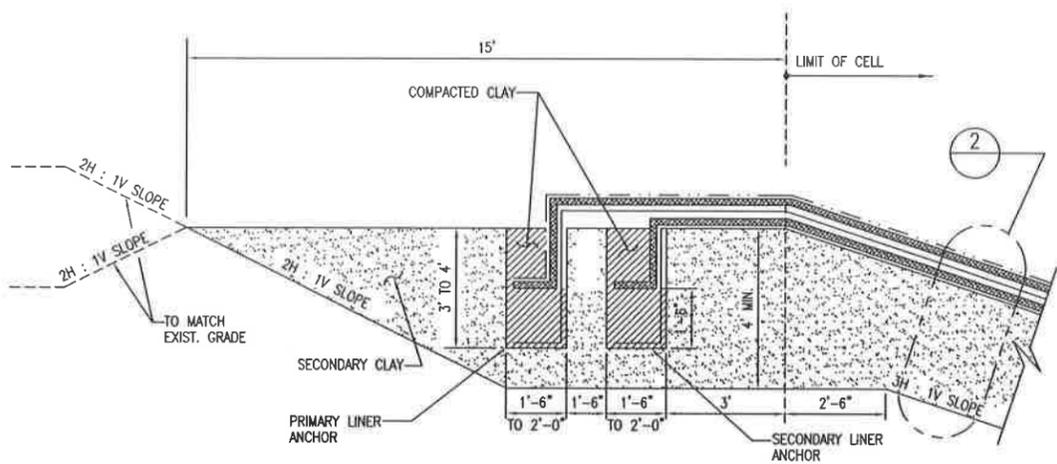
TITLE:  
 CIVIL  
 CELL 14  
 TYPICAL FINAL GRADING PLAN

DRAWN BY:	DATE:	SCALE:	FILE CODE:	REV. NO.:
MK	6/04/98	1"=60'	PRM-L23	
CHECKED:	DATE:	ENGINEER:	DATE:	DWG. NO.:
				PRM-L23
PROJ. MGR.:	DATE:	APPROVED:	DATE:	PROJ. NO.:
				PRM

B

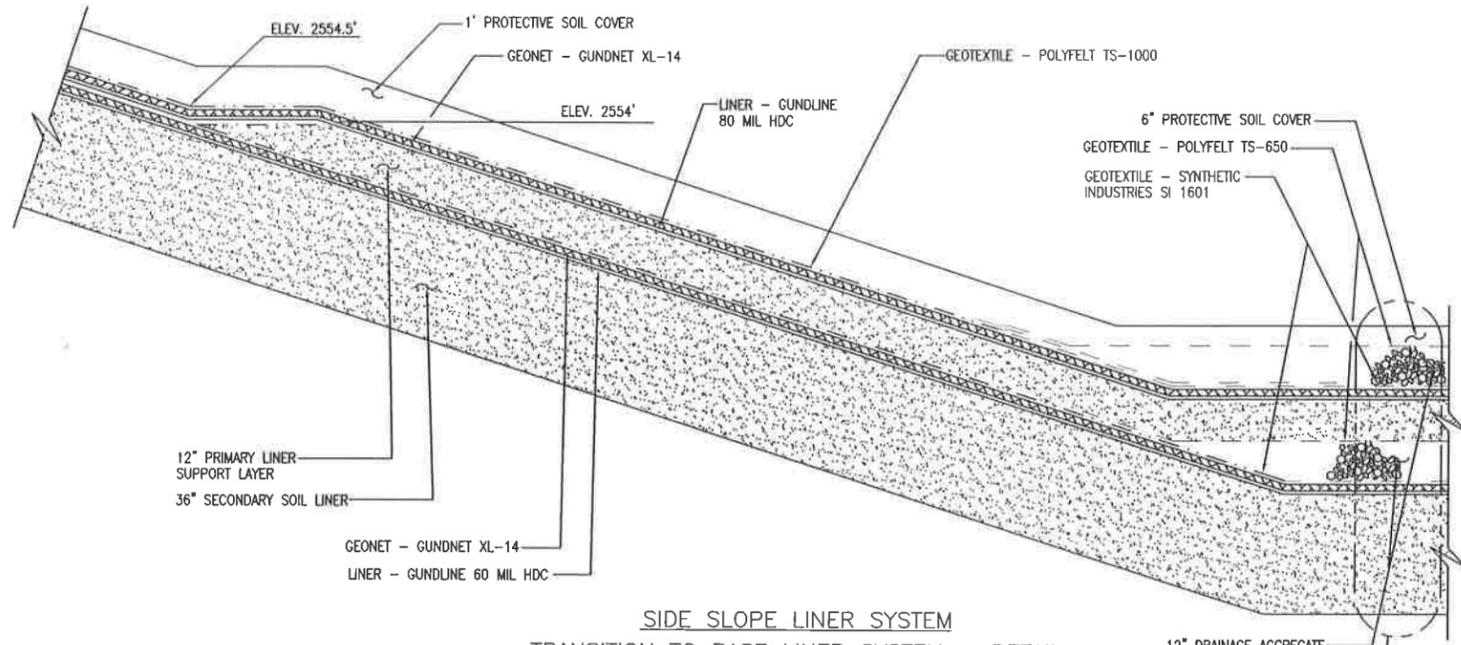


PRM-L25  
DWC. NO.  
PRM



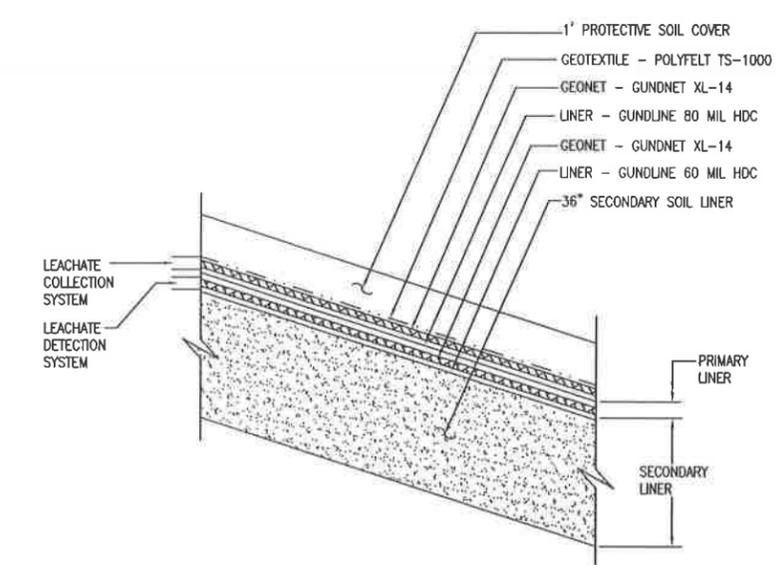
NOTE: WIDTH OF BOTH ANCHOR TRENCHES INCREASED TO 2'-0" 25' BEFORE AND AFTER RADIUS.  
TYPICAL ANCHOR TRENCH DETAIL

SECTION D-D  
SCALE: N.T.S.



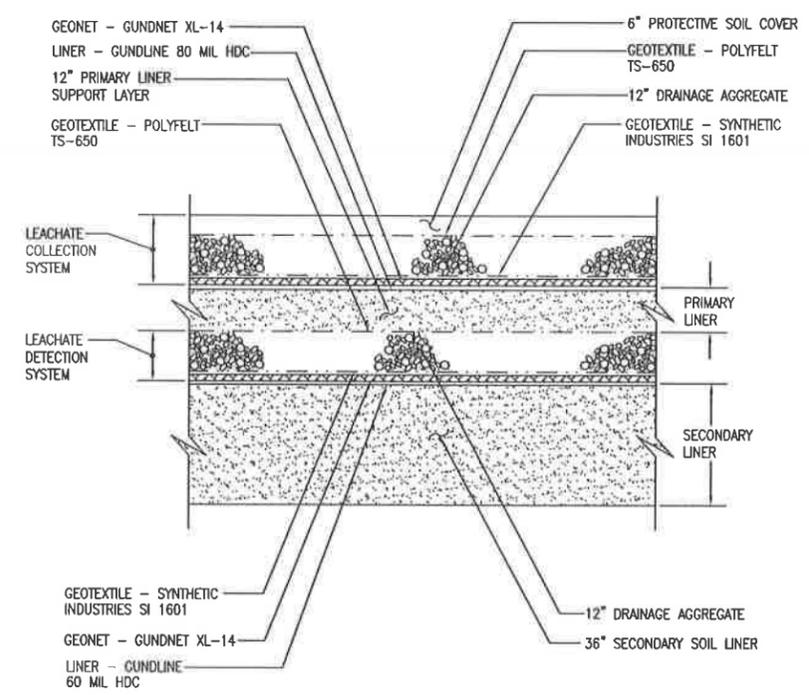
SIDE SLOPE LINER SYSTEM  
TRANSITION TO BASE LINER SYSTEM - DETAIL

SECTION E-E  
SCALE: N.T.S.



TYPICAL SIDE SLOPE LINER SYSTEM - DETAIL

DETAIL 2  
SCALE: N.T.S.



TYPICAL BASE LINER SYSTEM - DETAIL

DETAIL 3  
SCALE: N.T.S.

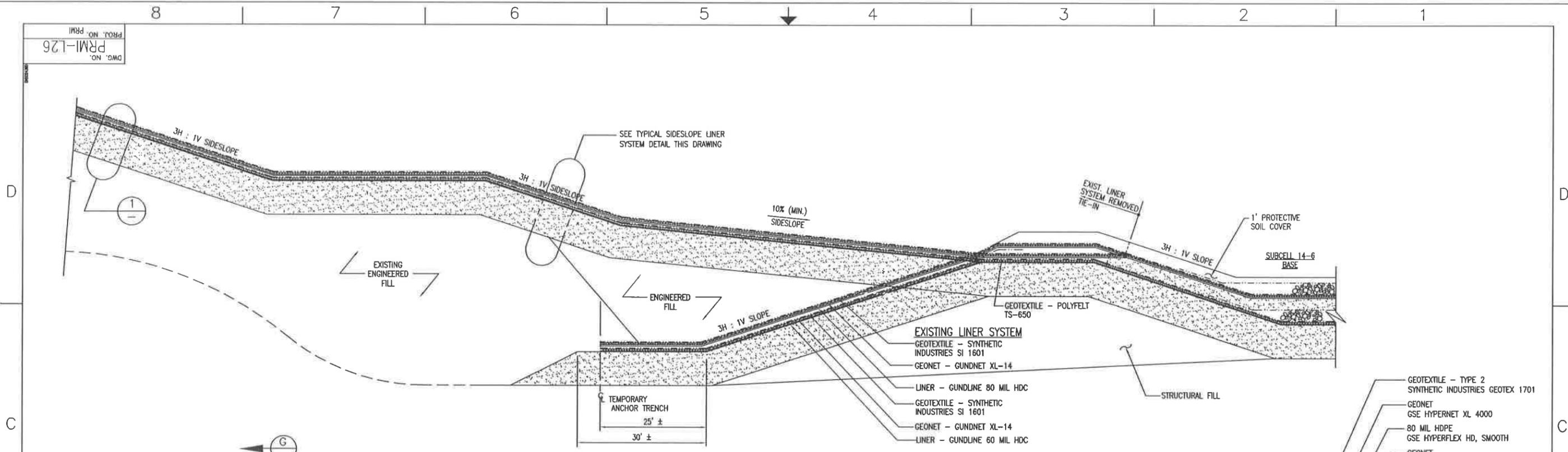
B	AM	-	-	-	4/21/98
A	BM	-	ISSUED FOR PART B PERMIT RENEWAL APPLICATION	-	4/21/98
REV.	BY	CHK'D	DESCRIPTION	PROJ. SUPV	DATE
	DATE	DATE		ENGR	DATE

**USEcology Idaho**  
an American Ecology company

SITE B  
GRAND VIEW, IDAHO  
US EPA ID NO. IDD 073 114 654

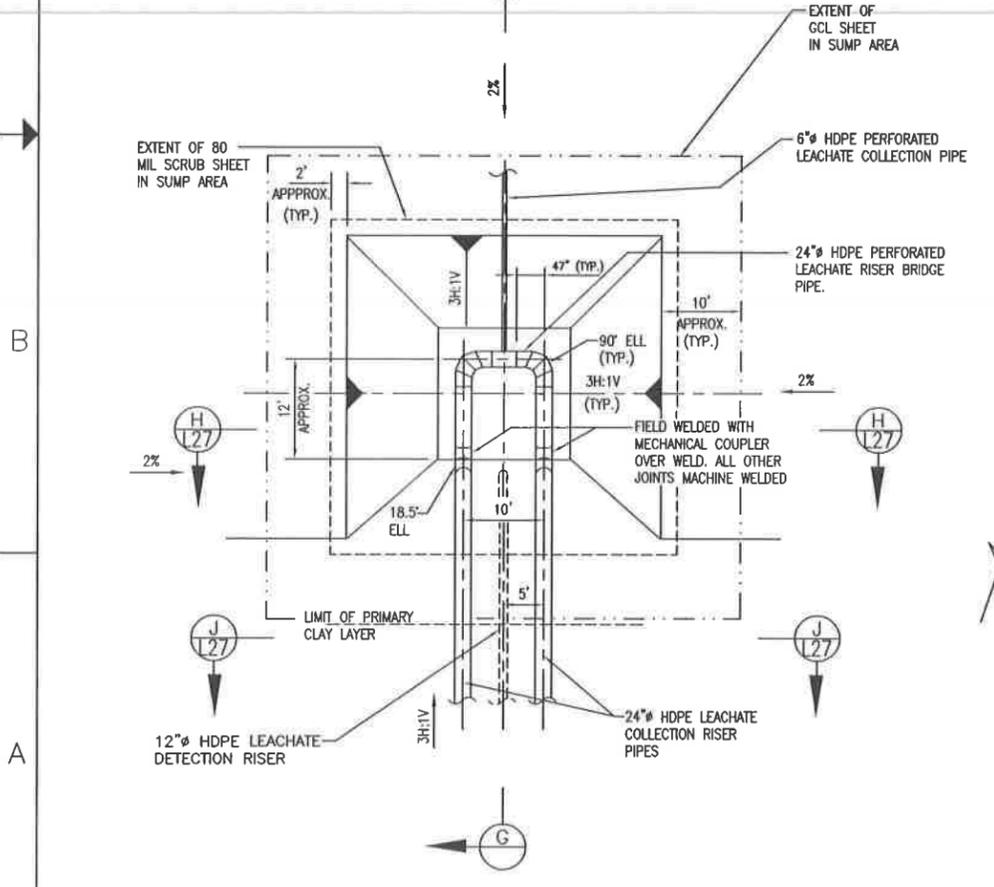
TITLE: CIVIL CELL 14 - PHASE 2 TYPICAL SECTIONS AND DETAILS					
DRAWN BY:	DATE	SCALE:	FILE CODE:	PRM-250	REV. NO.
EMH	4/21/98		DWG. NO.	PRM-L25	B
CHECKED:	DATE	ENGINEER:	DATE	PRM	
PROJ. MGR.:	DATE	APPROVED:	DATE	PROJ. NO.	

DWG. NO. PRM-L26  
 PROJ. NO. PRM



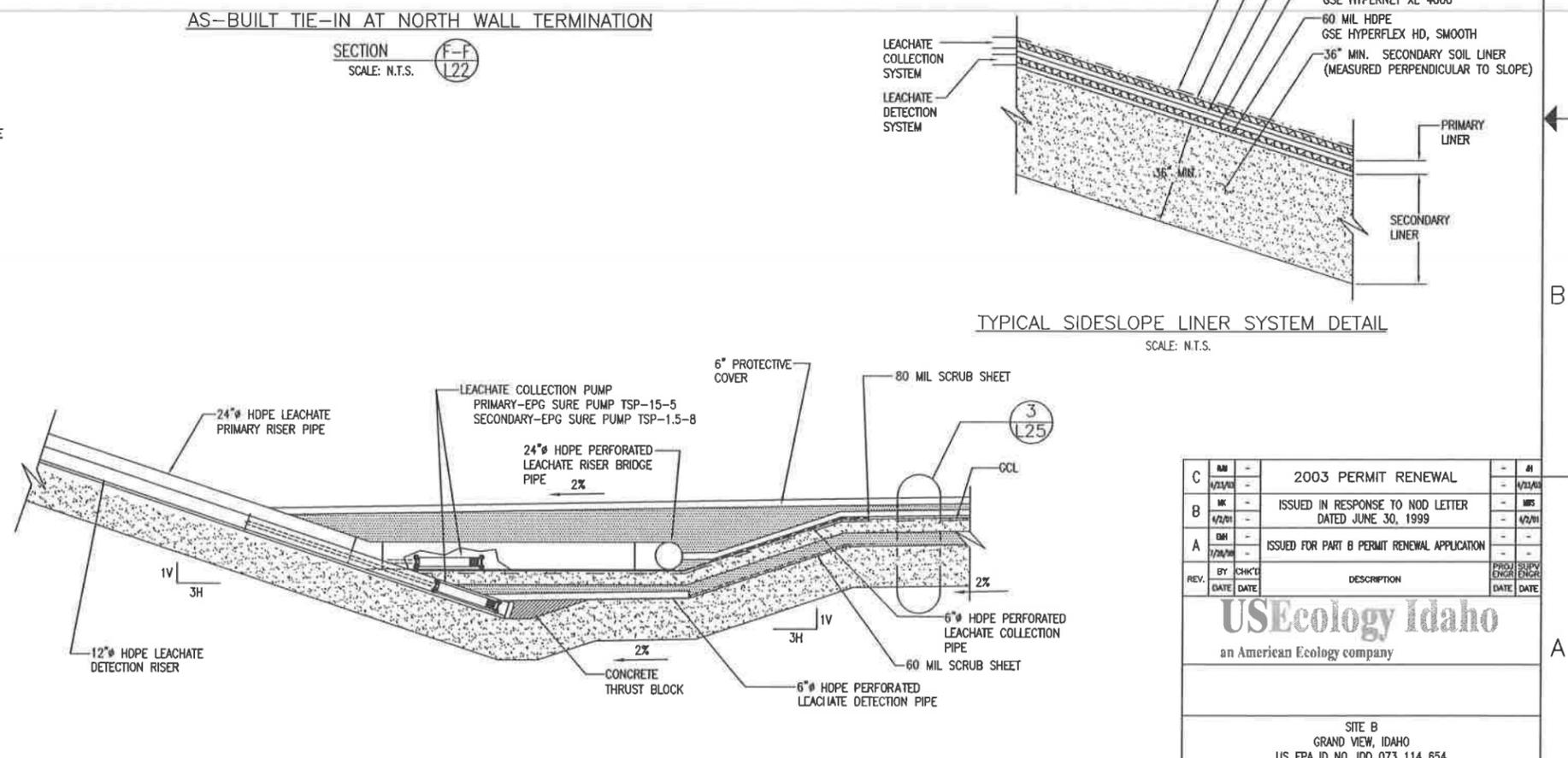
AS-BUILT TIE-IN AT NORTH WALL TERMINATION

SECTION F-F  
 SCALE: N.T.S.



TYPICAL PRIMARY LEACHATE COLLECTION SUMP PLAN

DETAIL 4  
 SCALE: N.T.S.



TYPICAL SUMP FOR SUBCELLS 14-4, 14-5 & 14-6

SECTION G-G  
 SCALE: N.T.S.

TYPICAL SIDESLOPE LINER SYSTEM DETAIL

REV.	BY	CHKD	DATE	DESCRIPTION	PROJ. ENGR	SUPV ENGR
C	MM	-	4/21/98	2003 PERMIT RENEWAL	-	MM
B	MM	-	4/2/99	ISSUED IN RESPONSE TO NOD LETTER DATED JUNE 30, 1999	-	MM
A	MM	-	1/26/98	ISSUED FOR PART B PERMIT RENEWAL APPLICATION	-	MM

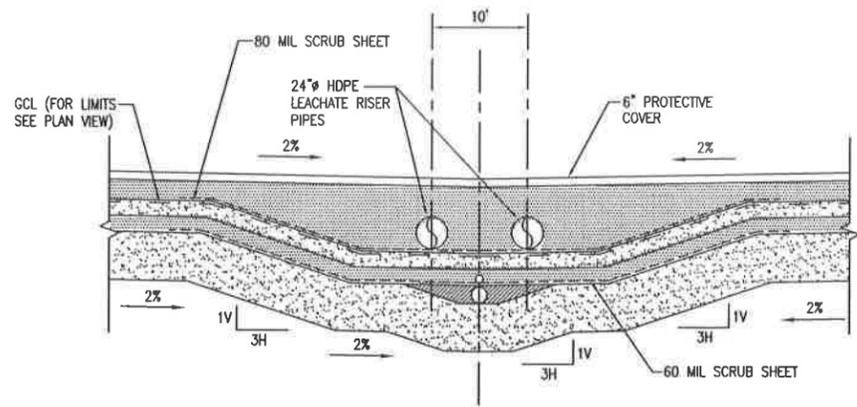
**USEcology Idaho**  
 an American Ecology company

SITE B  
 GRAND VIEW, IDAHO  
 US EPA ID NO. IDO 073 114 654

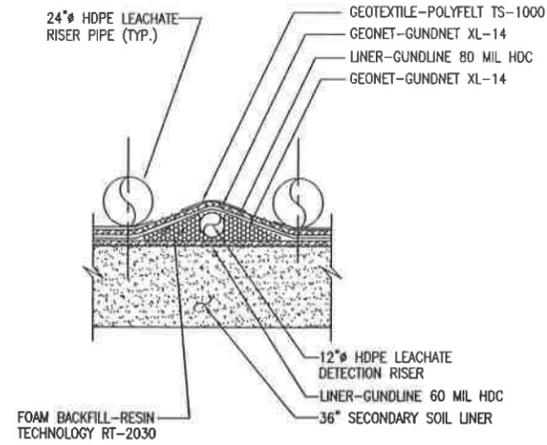
TITLE:  
 CIVIL  
 CELL 14 - PHASE 2  
 TYPICAL SECTIONS AND DETAILS

DRAWN BY:	DATE:	SCALE:	FILE CODE:	PRM-L26	REV. NO.:
EMH	4/21/98				
CHECKED:	DATE:	ENGINEER:	DATE:	DWG. NO.:	PRM-L26
PROJ. MGR.:	DATE:	APPROVED:	DATE:	PROJ. NO.:	PRM

DWG. NO. PRM-L27  
 PROJ. NO. PRM

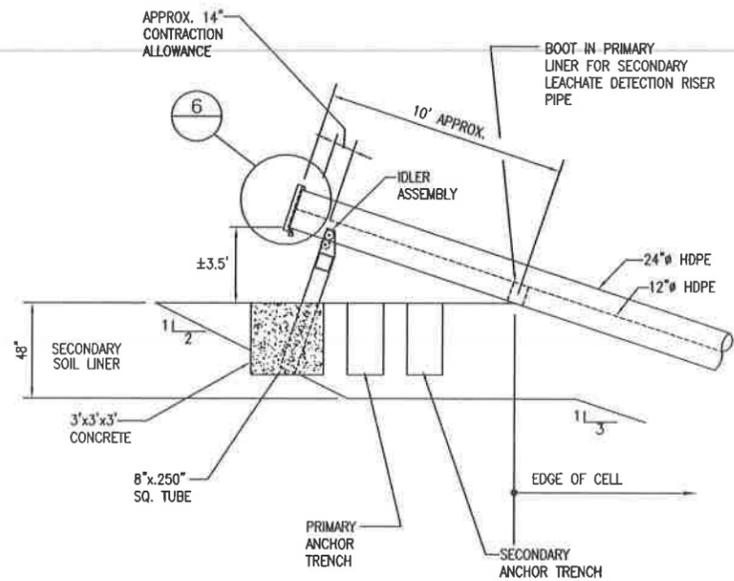


SECTION H-H  
 SCALE: N.T.S.

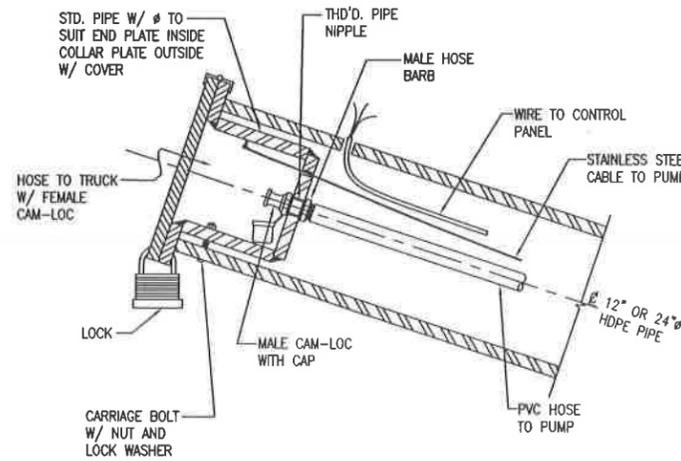


TYPICAL FOR SLOPE FROM  
 START OF PRIMARY SUPPORT LAYER TO BASE

SECTION J-J  
 SCALE: N.T.S.



DETAIL 5  
 SCALE: N.T.S.



DETAIL 6  
 SCALE: N.T.S.

B	4/21/03	-	2003 PERMIT RENEWAL	-	#
A	7/21/03	-	ISSUED FOR PART B PERMIT RENEWAL APPLICATION	-	-
REV.	BY	CHK'D	DESCRIPTION	PROJ. ENGR.	DATE
	DATE	DATE		DATE	DATE

**USEcology Idaho**  
 an American Ecology company

SITE B  
 GRAND VIEW, IDAHO  
 US EPA ID NO. IDD 073 114 654

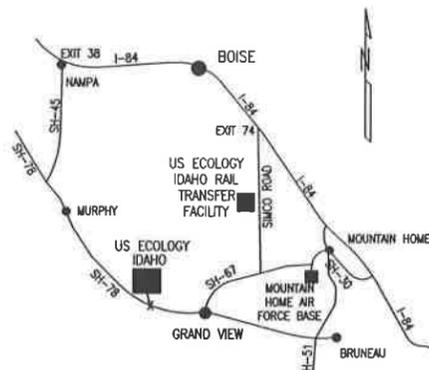
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 CIVIL  
 CELL 14 - PHASE 2  
 TYPICAL SECTIONS AND DETAILS

DRAWN BY:	DATE:	SCALE:	FILE CODE:	PRM27B	REV. NO.:
EMH	4/21/03		DWG. NO.:	PRM-L27	B
CHECKED:	DATE:	ENGINEER:	DATE:	PROJ. NO.:	PRM

52-00-00

**LIST OF DRAWINGS**

DRAWING NUMBER	DRAWING TITLE
52-00-00	DRAWING INDEX AND PROJECT LOCATION MAP
52-01-01	SITE PLAN/CELL LAYOUT
52-01-02	CELL CONSTRUCTION PHASING AND WASTE LIMIT
52-01-03	SECTIONS AND DETAILS - SHEET 1
52-01-04	SECTIONS AND DETAILS - SHEET 2
52-01-05	SECTIONS AND DETAILS - SHEET 3
52-01-06	FINAL COVER GRADING PLAN
52-01-07	FINAL COVER SECTIONS AND DETAILS 1
52-01-08	FINAL COVER SECTIONS AND DETAILS 2
52-01-09	SITE DRAINAGE - EXISTING CONDITIONS AND INTERIM PHASE
52-01-10	SITE DRAINAGE - FINAL COVER



**PROJECT LOCATION MAP**  
NOT TO SCALE



**GENERAL NOTES:**

- EXISTING SITE TOPOGRAPHY, PHYSICAL FEATURES AND DELINEATIONS OBTAINED FROM AERIAL PHOTOGRAPHY AND SURVEYED DATUM PROVIDED TO ENVIROSOURCE TECHNOLOGIES BY: J.J. HOWARD ENGINEERING-SURVEYING; 1675-A HILL ROAD; BOISE, IDAHO 83702. DATE OF ORIGINAL SURVEY - NOVEMBER 4, 1995. SURVEY ELEVATIONS AND COORDINATES ARE SITE SPECIFIC AND ARE WITHOUT A STANDARD OFFSET DATUM.
- ADDITIONALLY THE FOLLOWING AREAS OF THE SITE HAVE BEEN UPDATED AND INCORPORATED INTO THE EXISTING SITE PLAN AS FOLLOWS:
  - AN ADDITIONAL 1,000 FEET TO THE NORTH OF SECTION 19 HAS BEEN SURVEYED AND INCORPORATED INTO THE EXISTING TOPOGRAPHY. SURVEY BY: J.J. HOWARD DATED FEBRUARY 20, 1998.
  - CONTAINMENT BUILDING UPDATED AS OF JANUARY 14, 1997. SURVEY BY: J.J. HOWARD. DESIGN CONTOURS BY: ENVIROSOURCE TECHNOLOGIES.
  - PAD 4 PROCESS PLANT AREA UPDATED AS OF APRIL 15, 1998. SURVEY BY: J.J. HOWARD.
  - LEACHATE FORCE MAIN AND SOIL STOCKPILE SURVEY UPDATED AS OF FEBRUARY 15, 1999. SURVEY BY: J.J. HOWARD.
  - TOP OF WASTE ELEVATIONS FOR CELL 5 AS OF JANUARY 2, 1996. SURVEY BY: J.J. HOWARD.
  - TOP OF WASTE ELEVATIONS FOR CELL 14 AS OF DECEMBER 30, 1997. SURVEY BY: J.J. HOWARD.
  - TOPOGRAPHY OF TRENCHES 10 AND 11 UPDATED AS OF SEPTEMBER 12, 2000. SURVEY BY: J.J. HOWARD.
  - CONTAINER STORAGE AREA NO. 1 TOPOGRAPHY UPDATED AS OF JUNE 18, 1999. SURVEY BY: J.J. HOWARD.
  - BORROW AREA TOPOGRAPHY UPDATED AS OF DECEMBER 12, 2000. SURVEY BY: J.J. HOWARD.
  - WEST HAUL ROAD TOPOGRAPHY UPDATED AS OF DECEMBER 5, 2000. SURVEY BY: J.J. HOWARD.
  - ET CAP TEST PAD TOPOGRAPHY UPDATED AS OF NOVEMBER 6, 2000. SURVEY BY: J.J. HOWARD.

**LEGEND**

	CUT
	FILL
	5/8" IRON PIN W/ ALUMINUM CAP
	POWER POLE
	WELL
	FENCE LINE
	PROPERTY BOUNDARY
	UNIMPROVED ROAD
	EXISTING TOPOGRAPHY WITH EXCEPTIONS AS SHOWN IN GENERAL NOTES
	CULVERT
	DRAINAGE CHANNEL
	DOUBLE CONTAINED PIPE
	SPOT ELEVATION
	WASTE LIMIT BOUNDARY
	GAS VENTING SYSTEM

REV	DATE	DESCRIPTION	FE	DEPT MOR
0		ISSUE FOR CONSTRUCTION		

NOTES

DRAWING NO.	DRAWING TITLE

**US Ecology Idaho**  
an American Ecology company

GRAND VIEW FACILITY  
LANDFILL CELL 15  
**DRAWING INDEX AND  
PROJECT LOCATION MAP**



DRAWN BY L. HAYS	CHECKED BY	WORK ORDER NUMBER 25124
DESIGNED BY R. HANSEN	ENG MGR APPR	DRAWING NUMBER 52-00-00
		REV 0

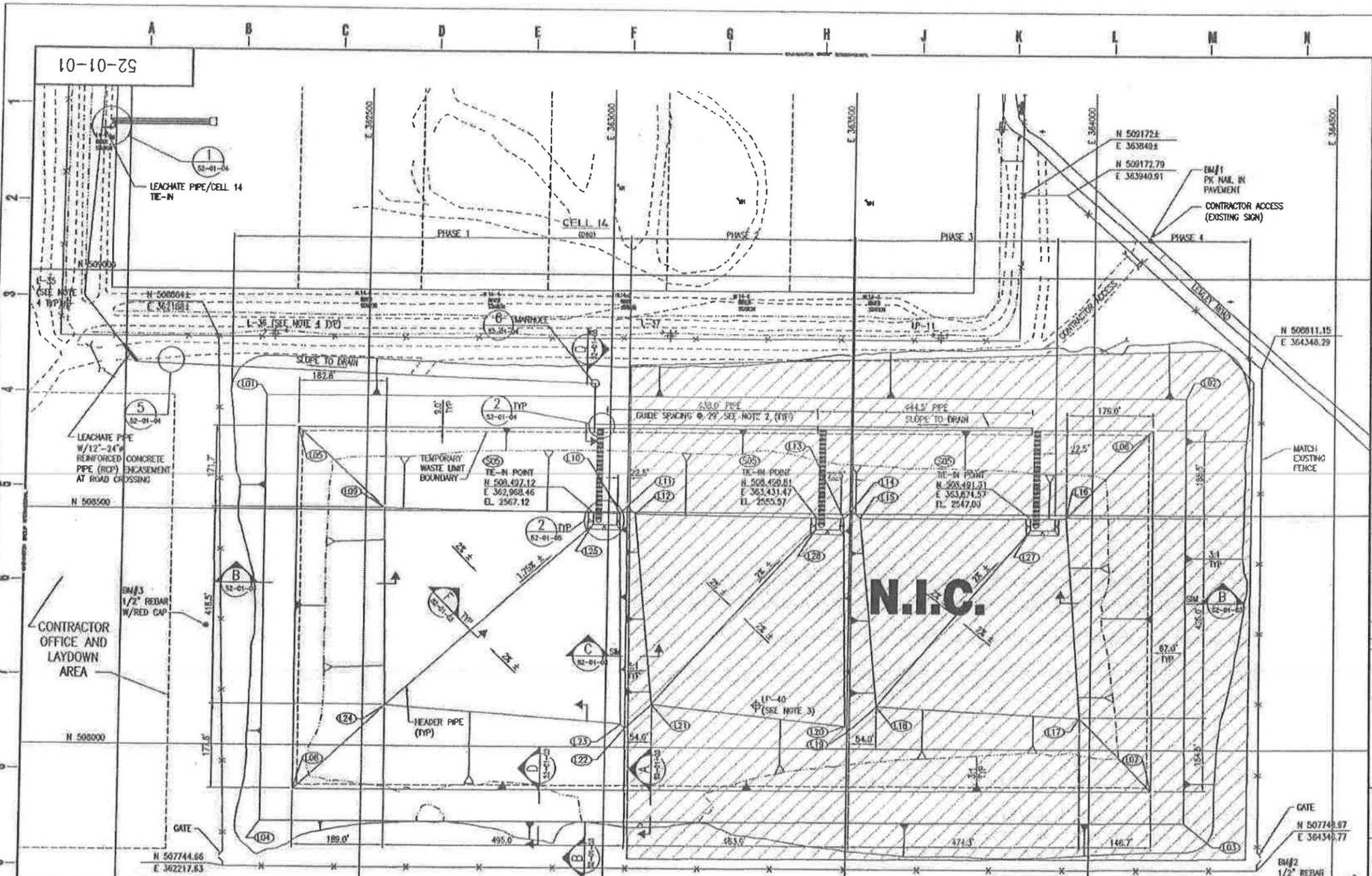


TABLE 1 LCRS COORDINATES (SEE NOTE 1)

POINT ID	NORTHING	EASTING	ELEVATION	COMMENTS	POINT ID	NORTHING	EASTING	ELEVATION	COMMENTS
L01	508742.48	362289.26	2640.00	EDGE OF BERM	L10	508496.16	363024.28	2566.33	
L02	508747.78	364191.25	2605.00	EDGE OF BERM	L11	508512.37	363040.91	2570.96	
L03	507845.78	364193.74	2605.00	EDGE OF BERM	L12	508495.66	363567.45	2565.49	
L04	507840.49	362291.75	2640.00	EDGE OF BERM	L13	508490.08	363467.73	2554.38	
L05	508675.67	362350.45	2640.00	GEOMEMBRANE CREST	L14	508596.35	363503.92	2559.23	
L06	508660.59	364124.44	2605.00	GEOMEMBRANE CREST	L15	508480.03	363820.47	2553.98	
L07	507912.60	364126.55	2605.00	GEOMEMBRANE CREST	L16	508491.60	363947.07	2545.70	
L08	507907.67	362358.56	2640.00	GEOMEMBRANE CREST	L17	508066.59	363979.45	2556.16	
L09	508504.48	362359.63	2579.10		L18	508099.67	363350.06	2556.70	
					L19	508038.48	363505.23	2575.32	
					L20	508047.45	363438.20	2572.01	
					L21	508090.93	363096.08	2565.00	
					L22	508039.96	363042.22	2563.44	
					L23	508048.93	363033.20	2560.20	
					L24	508085.90	362547.09	2577.00	
					L25	508472.13	362968.03	2567.39	
					L26	508465.81	363431.15	2555.84	
					L27	508469.31	363874.67	2547.27	

REV	DATE	DESCRIPTION	BY	CHK
1		SCALE FOR CONSTRUCTION		

- NOTES
- CELL 15 ELEVATIONS SHOWN ARE TOP OF LCRS GEOMEMBRANE AS SHOWN IN SECTION B, DRAWING 52-01-03, EXCEPT AS NOTED IN TABLE 1.
  - CONTRACTOR TO ADD 3" (NOMINAL) SLACK IN THE PIPE BETWEEN GUIDES TO ALLOW FOR EXPANSION AND CONTRACTION. SEE GUIDE DETAIL 4 ON DWG 52-01-04.
  - WELL LP-40 TO BE ABANDONED PRIOR TO EXCAVATION BY OTHERS.
  - RETAIN AND PROTECT WELLS L-35, L-36, L-37 AND LP-11.
  - FENCING LOCATION IS THE APPROXIMATE LOCATION. FENCE LOCATION AND THE TYPE TO BE FINALIZED BY U.S. ECOLOGY.
  - CONSTRUCTION PHASING AND WASTE LIMITS ARE SHOWN ON DRAWING 52-01-02.
  - CONTRACTOR TO CONSTRUCT A LOW-PERMEABILITY TEST STRIP IN THE BOTTOM OF PHASE 1 PER SPECIFICATION 022A.
  - CONTRACTOR TO RETAIN AND PROTECT BENCHMARKS ESTABLISHED BY J.J. HOWARD OCTOBER 2002.  
 BM#1 N508079.64 E364114.83 EL. 2564.83  
 BM#2 N507733.60 E364548.38 EL. 2577.31  
 BM#3 N508251.83 E362173.24 EL. 2653.77

REFERENCE DRAWINGS

DRAWING NO.	DRAWING TITLE

**US Ecology Idaho**  
 an American Ecology company

GRAND VIEW FACILITY  
 LANDFILL CELL 15

SITE PLAN/CELL LAYOUT

**Washington**

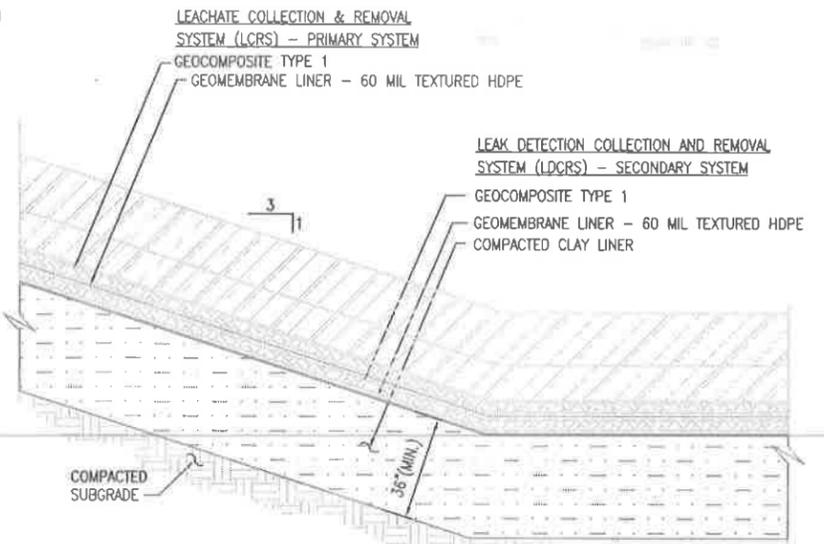
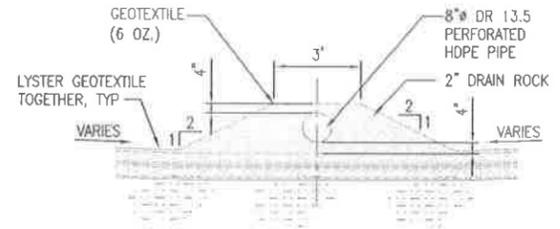
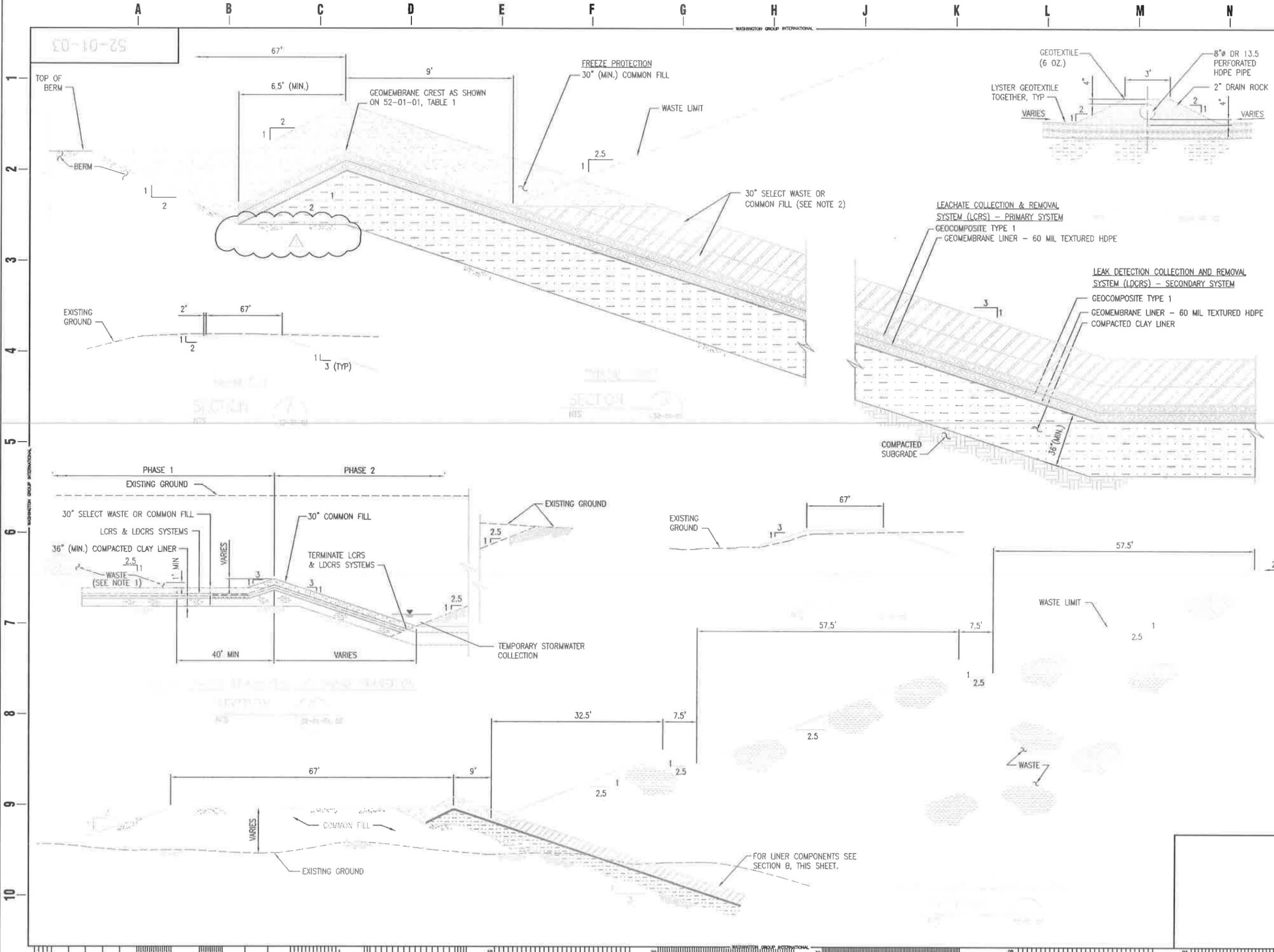
DRAWN BY L. HAYS	CHECKED BY R. HANSH	WORK ORDER NUMBER 25124	REV 0
DATE 52-01-01		DRAWING NUMBER 52-01-01	





52-01-03

WASHINGTON GROUP INTERNATIONAL



REV	DATE	DESCRIPTION	PE	DEPT
1	07/14/02	ISSUE FOR TRANSDUCER NOTE CORRECTION		

- NOTES**
- DURING OPERATIONS WASTE SHALL BE GRADED IN ACCORDANCE WITH THE STORM WATER MANAGEMENT PLAN. TEMPORARY BERMS MAY BE USED TO DIVERT STORM WATER TO STORAGE LOCATIONS.
  - SEE SPECIFICATION 00220 FOR LAYER REQUIREMENTS.

**REFERENCE DRAWINGS**

DRAWING NO.	DRAWING TITLE

**US Ecology Idaho**  
 an American Ecology company

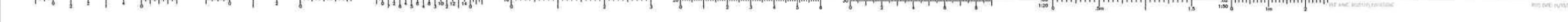
GRAND VIEW FACILITY  
 LANDFILL CELL 15

SECTIONS AND DETAILS  
 SHEET 1

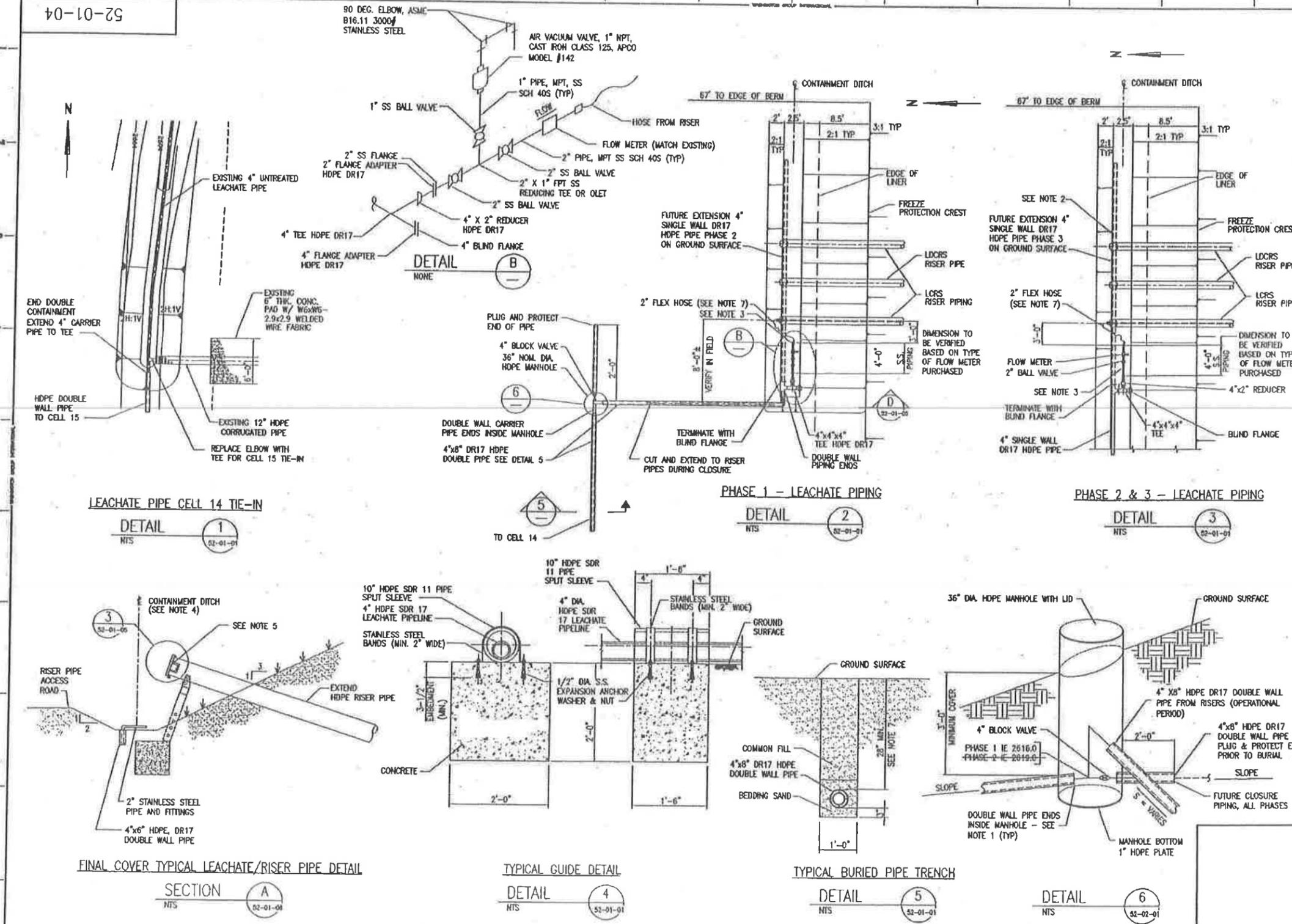
<b>Washington</b>			
DRAWN BY L. HAYS	CHECKED BY ENG MGR APPR	WORK ORDER NUMBER 25124	REV 1
DESIGNED BY R. HANSEN		DRAWING NUMBER 52-01-03	

WASHINGTON GROUP INTERNATIONAL

WASHINGTON GROUP INTERNATIONAL



52-01-04



REV	DATE	DESCRIPTION	BY	CHKD
0		ISSUE FOR CONSTRUCTION		

- NOTES**
- HOPE MANHOLE SERVES AS SECONDARY CONTAINMENT. ALL PIPE PENETRATIONS MUST BE WATERTIGHT.
  - REMOVE 4" SINGLE WALL LEACHATE PIPES PRIOR TO COVER INSTALLATION.
  - REINSTALL 2" STAINLESS STEEL PIPE AND FITTINGS AT NEW LOCATION UPON CONSTRUCTION OF THE COVER.
  - LENGTH OF CONTAINMENT DITCH IS LIMITED TO LENGTH OF 2" STAINLESS STEEL PIPE AND FITTINGS.
  - FLEX HOSE COUPLING NOT SHOWN FOR CLARITY.
  - CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS.
  - DOUBLE WALL PIPE EMBEDMENT DEPTH SHALL BE 36" MINIMUM BENEATH ROADWAYS.
- LEGEND**
- NOT IN CONTRACT

**REFERENCE DRAWINGS**

DRAWING NO.	PROJECT TITLE

**US Ecology Idaho**  
an American Ecology company

GRAND VIEW FACILITY  
LANDFILL CELL 15

**SECTIONS AND DETAILS  
SHEET 2**

**Washington**

DRAWN BY L. HAYS	CHECKED BY R. RAGER	WORK ORDER NUMBER 25124	REV 0
DESIGNED BY R. RAGER		DRAWING NUMBER 52-01-04	

52-01-05

WASHINGTON GROUP INTERNATIONAL

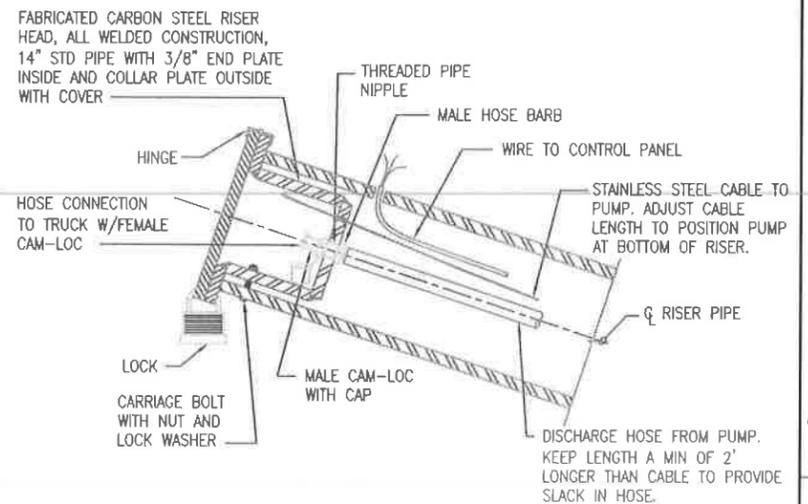
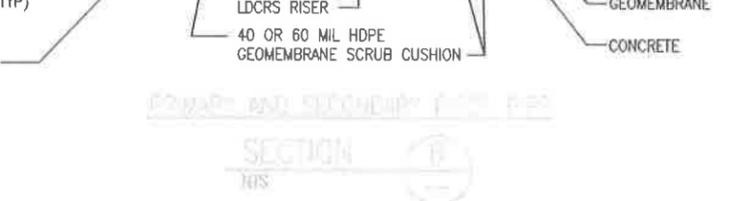
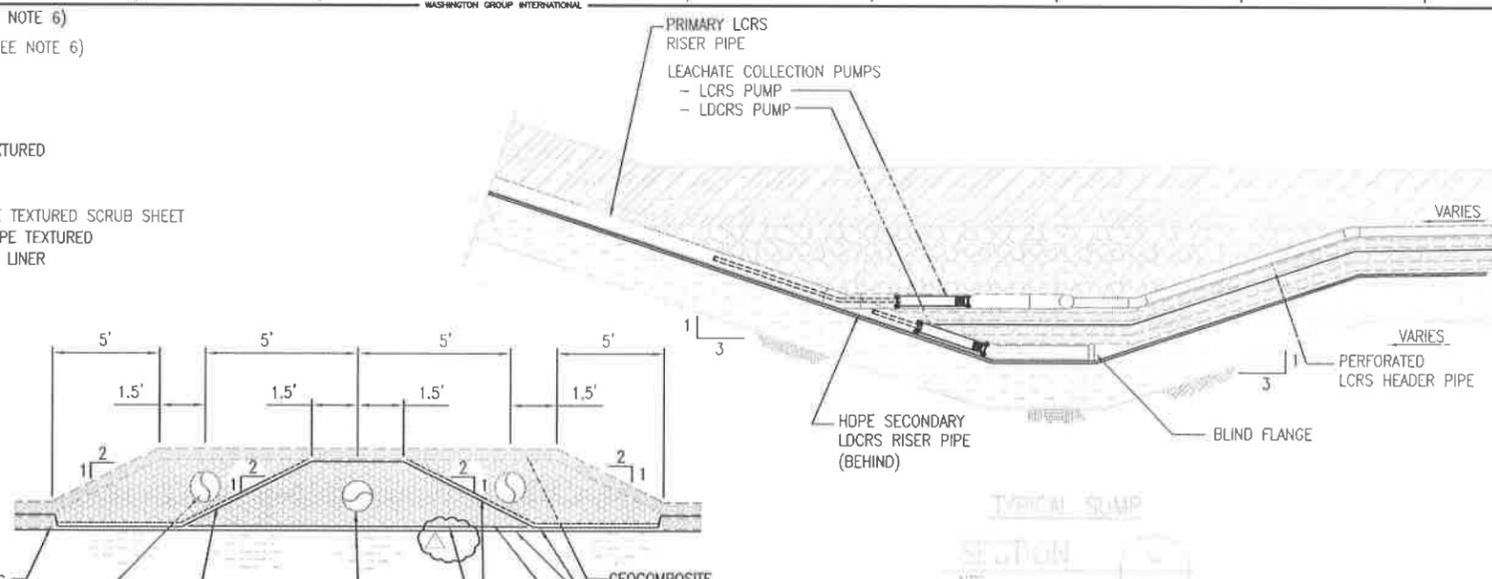
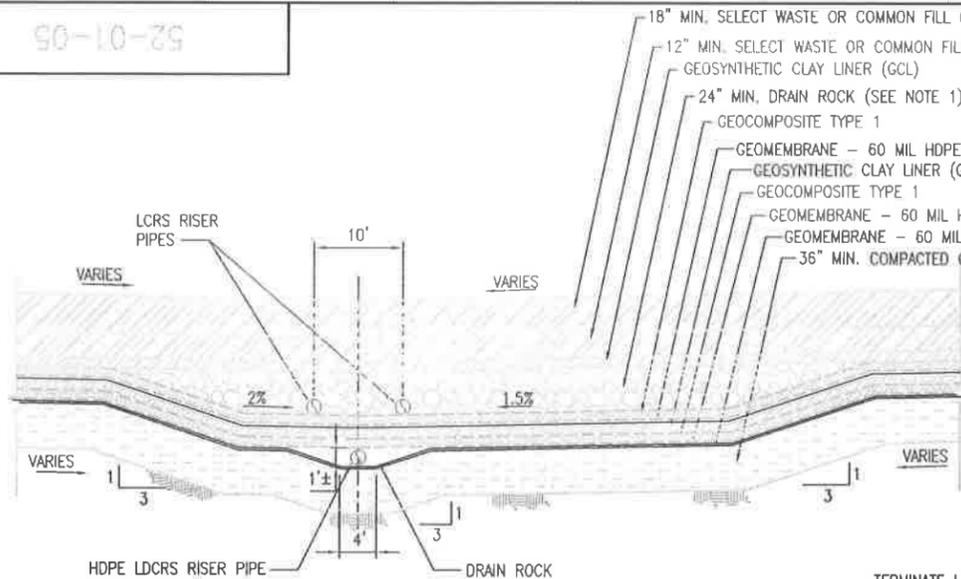
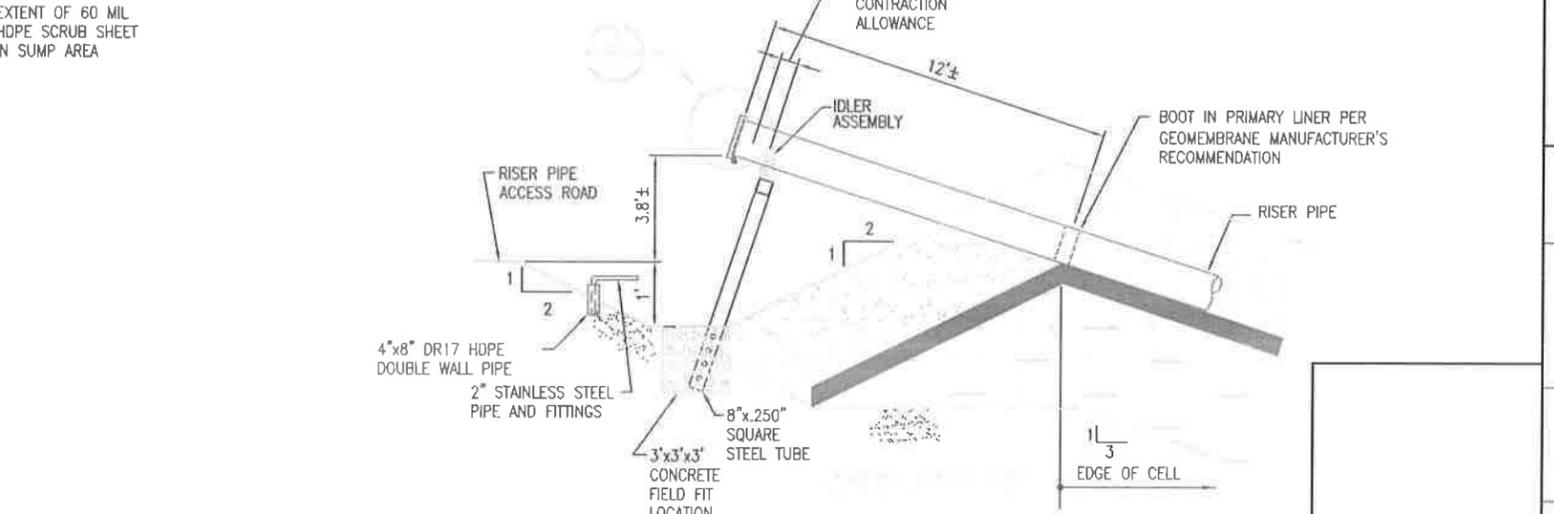
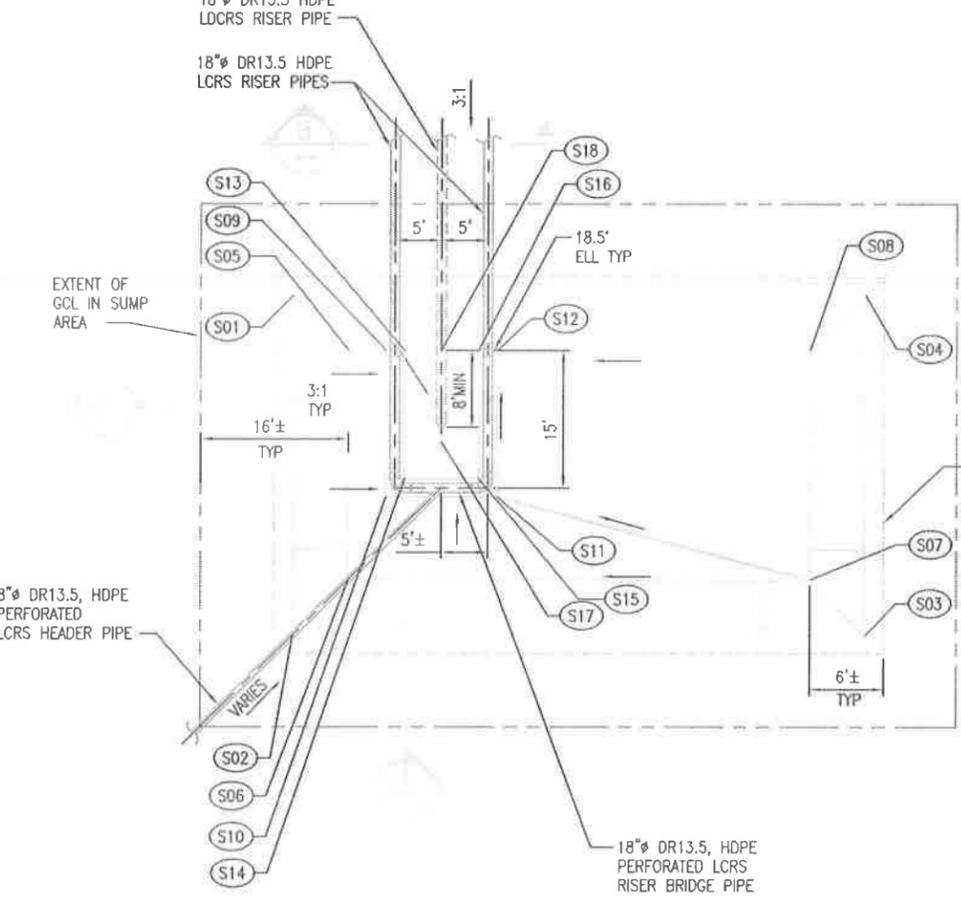


TABLE 2 SUMP GEOMETRY

POINT ID.	RELATIVE X (FT) (SEE NOTE 2)	RELATIVE Y (FT) (SEE NOTE 2)	RELATIVE ELEVATION (SEE NOTE 2)	COMMENT
S01	VARIABLES	VARIABLES	VARIABLES	UNIQUE TO EACH SUBCELL
S02	VARIABLES	VARIABLES	VARIABLES	UNIQUE TO EACH SUBCELL
S03	VARIABLES	VARIABLES	VARIABLES	UNIQUE TO EACH SUBCELL
S04	VARIABLES	VARIABLES	VARIABLES	UNIQUE TO EACH SUBCELL
S05	0	0	100.10	TIE-IN POINT SEE NOTE 2
S06	0	-25	100.37	
S07	50	-25	100.69	
S08	50	0	100.53	
S09	4	0	100.00	
S10	4	-16	100.15	
S11	16	-16	100.15	
S12	16	0	100.00	
S13	6	0	100.00	
S14	6	-14	100.15	
S15	14	-14	100.15	
S16	14	0	100.00	
S17	10	-10	100.25	
S18	10	0	100.15	



REV	DATE	DESCRIPTION	FE	DEPT MGR

- NOTES
- FOR BEDDING AND HAUNCHING OF LCRS AND LDCRS SEE SPECIFICATION 02220.
  - SUMP X, Y AND ELEVATIONS SHOWN IN TABLE 2 ARE DISTANCES RELATIVE TO POINT S05 (TIE-IN POINT). ACTUAL SUMP NORTHINGS, EASTINGS AND ELEVATIONS FOR POINT S05 ARE SHOWN ON DRAWING 52-01-01 FOR EACH PHASE. SUMP ELEVATIONS ARE TOP OF LCRS GEOMEMBRANE.  
NOTE:  
S05 IS AT X=0 Y=0 EL=100.10
  - LDCRS RISER PIPE DETAIL IS SIMILAR TO THE LCRS PIPE.
  - PIPES SHOWN ARE DRISCO 1000 SERIES OR EQUAL.
  - ALL PERFORATED PIPE SHALL BE WRAPPED WITH DRAIN ROCK AND 6 OZ. NONWOVEN GEOTEXTILE AS SHOWN IN SECTION F ON DRAWING 52-01-03.
  - SEE SPECIFICATION 02200 FOR PLACEMENT REQUIREMENTS.

REFERENCE DRAWINGS

DRAWING NO.	DRAWING TITLE

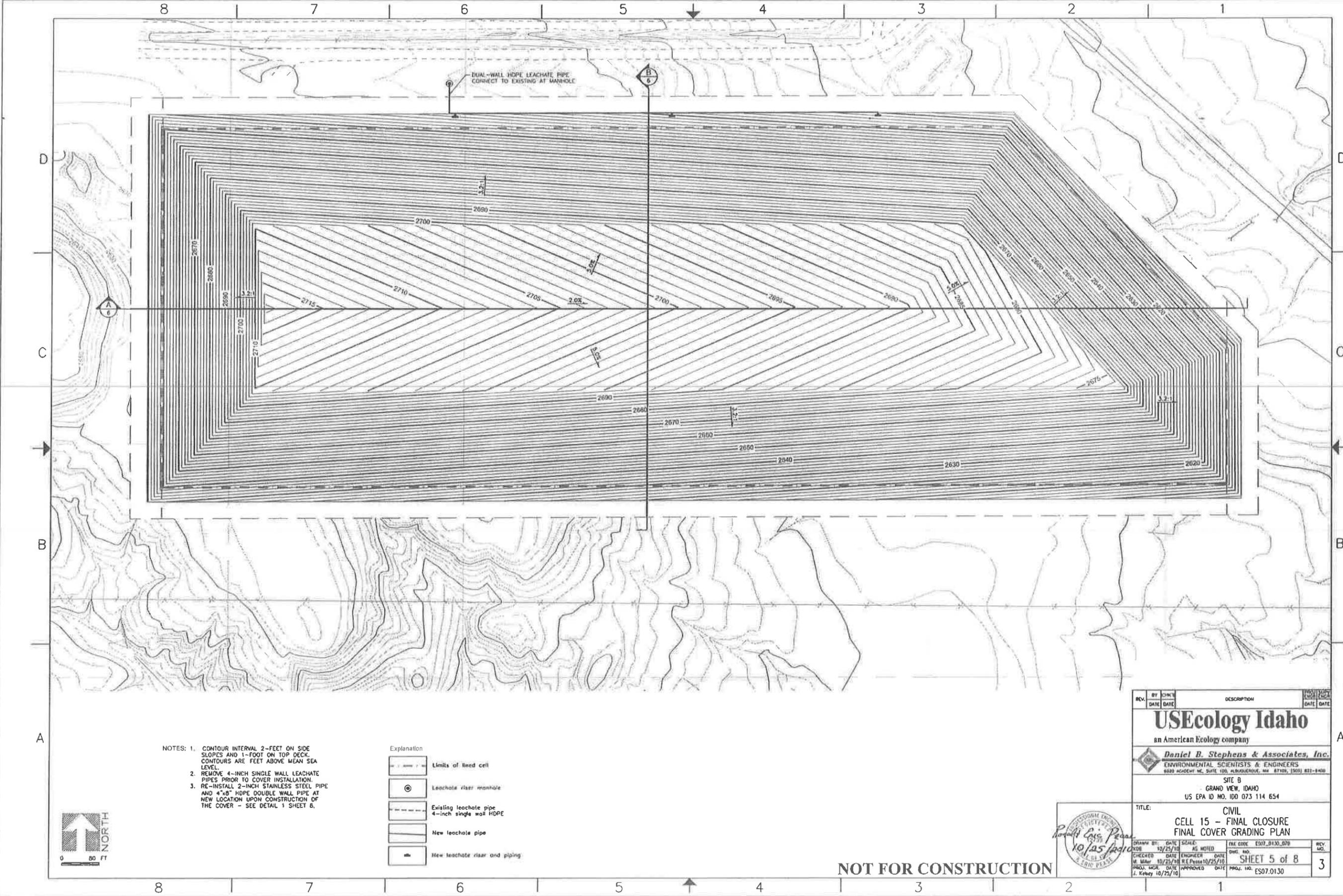
**US Ecology Idaho**  
an American Ecology company

GRAND VIEW FACILITY  
LANDFILL CELL 15

SECTIONS AND DETAILS  
SHEET 3

**Washington**

DRAWN BY L. HAYS	CHECKED BY ENG WGR APPR	WORK ORDER NUMBER 25124	REV 1
DESIGNED BY R. HANSEN		DRAWING NUMBER 52-01-05	



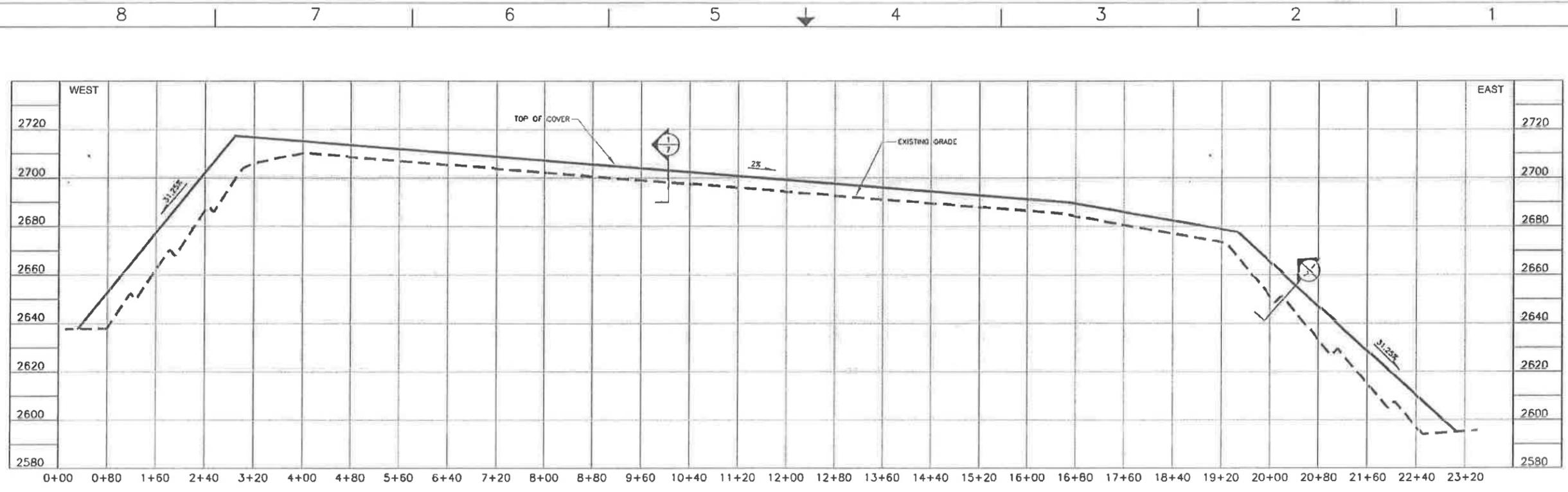
- NOTES: 1. CONTOUR INTERVAL 2- FEET ON SIDE SLOPES AND 1- FOOT ON TOP DECK. CONTOURS ARE FEET ABOVE MEAN SEA LEVEL.  
 2. REMOVE 4-INCH SINGLE WALL LEACHATE PIPES PRIOR TO COVER INSTALLATION.  
 3. RE-INSTALL 2-INCH STAINLESS STEEL PIPE AND 4"x8" HDPE DOUBLE WALL PIPE AT NEW LOCATION UPON CONSTRUCTION OF THE COVER - SEE DETAIL 1 SHEET 6.

Explanation

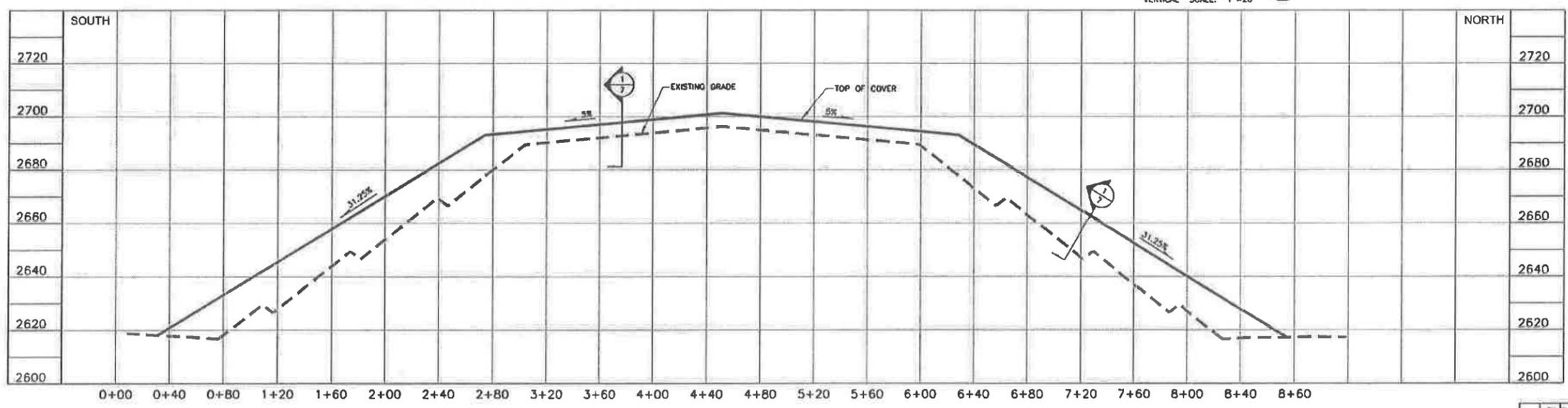
	Limits of lined cell
	Leachate riser manhole
	Existing leachate pipe 4-inch single wall HDPE
	New leachate pipe
	New leachate riser and piping

REV.	BY	DATE	DESCRIPTION	PROJ. NO.	DATE
<b>USEcology Idaho</b> an American Ecology company					
<b>Daniel B. Stephens &amp; Associates, Inc.</b> ENVIRONMENTAL SCIENTISTS & ENGINEERS 6020 ACADEMY W. SUITE 100, ALBUQUERQUE, NM 87105, (505) 831-8400					
SITE B GRAND VIEW, IDAHO US EPA ID NO. IDD 073 114 654					
TITLE: CIVIL CELL 15 - FINAL CLOSURE FINAL COVER GRADING PLAN					
DRAWN BY: R. J. PEARSON	DATE: 10/25/10	SCALE: AS NOTED	REV. NO. 3	PROJ. NO. ES07.0130	DATE: 10/25/10
CHECKED BY: J. KELLEY	DATE: 10/25/10	ENGINEER: R. E. PEARSON	SHEET 5 of 8		

NOT FOR CONSTRUCTION



NOTE: VERTICAL EXAGGERATION = 4

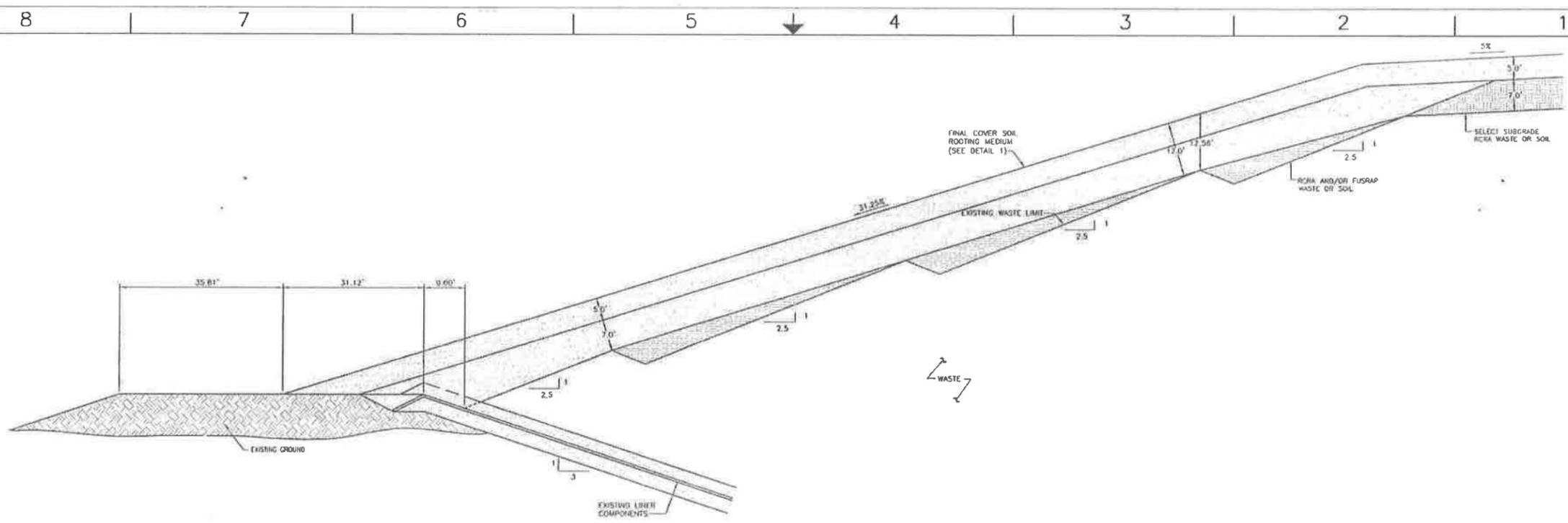


NOTE: VERTICAL EXAGGERATION = 2

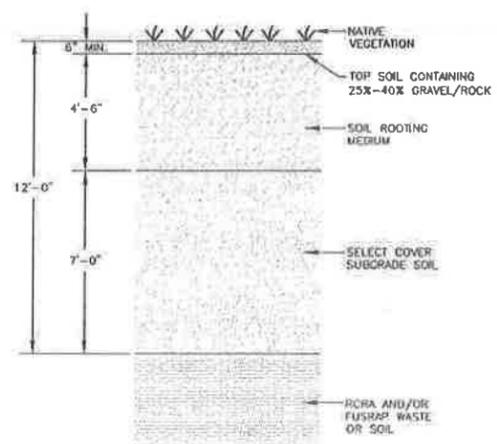
NOT FOR CONSTRUCTION



REV	BY	CHK'D	DATE	DATE	DESCRIPTION	PROJ. NO.	DATE
						ES07.0130_07B	
<b>USEcology Idaho</b> an American Ecology company							
<b>Daniel B. Stephens &amp; Associates, Inc.</b> ENVIRONMENTAL SCIENTISTS & ENGINEERS 8009 KENNEDY AVE., SUITE 100, BLUMENGLADE, WA 98148, (509) 882-8400							
SITE B GRAND VIEW, IDAHO US EPA ID NO. ID0 073 114 654							
TITLE: CIVIL CELL 15 - FINAL CLOSURE TYPICAL CROSS SECTIONS							
DRAWN BY	DATE	SCALE	AS NOTED	FILE CODE	ES07.0130_07B	REV.	NO.
10/25/10						3	
CHECKED	DATE	ENGINEER	DATE	ENG. NO.		SHEET 6 of 8	
M. Nader	10/25/10	R.E. Pender	10/25/10			PROJECT NO. ES07.0130	
PROJ. MGR.	DATE	APPROVED	DATE	PROJ. NO.			
J. Koberly	10/25/10						

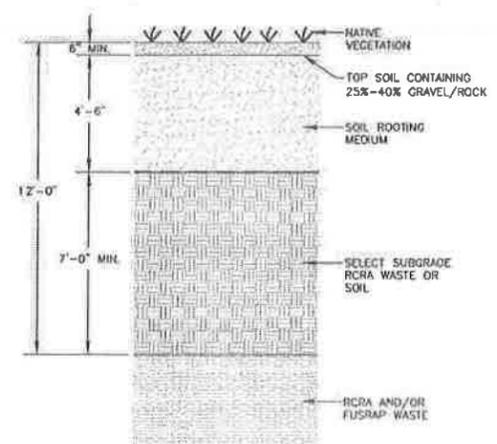


TYPICAL FINAL COVER CROSS-SECTION  
N.T.S.



SIDE SLOPE

- NOTES:
1. BONDED FIBER MATRIX OR EROSION CONTROL BLANKET APPLIED TO SURFACE FOR TEMPORARY (1-YEAR) STABILIZATION TO PROMOTE ESTABLISHING VEGETATION.
  2. SIDE SLOPE: MINIMUM SOIL THICKNESS COVER OF 11.81-FOOT (3.6 METER) NEEDED TO MEET RADON BARRIER REQUIREMENT.
  3. TOP DECK: SELECT RCRA WASTE OR SOIL TO BE PLACED AT MINIMUM 7.0-FOOT THICKNESS OVER FUSRAP WASTE. MINIMUM SOIL COVER THICKNESS OF 4.81 FEET NEEDED TO MEET 11.81-FOOT (3.6 METER) RADON BARRIER REQUIREMENT AND 5.0 FEET FOR EVAPOTRANSPIRATION COVER PERFORMANCE.

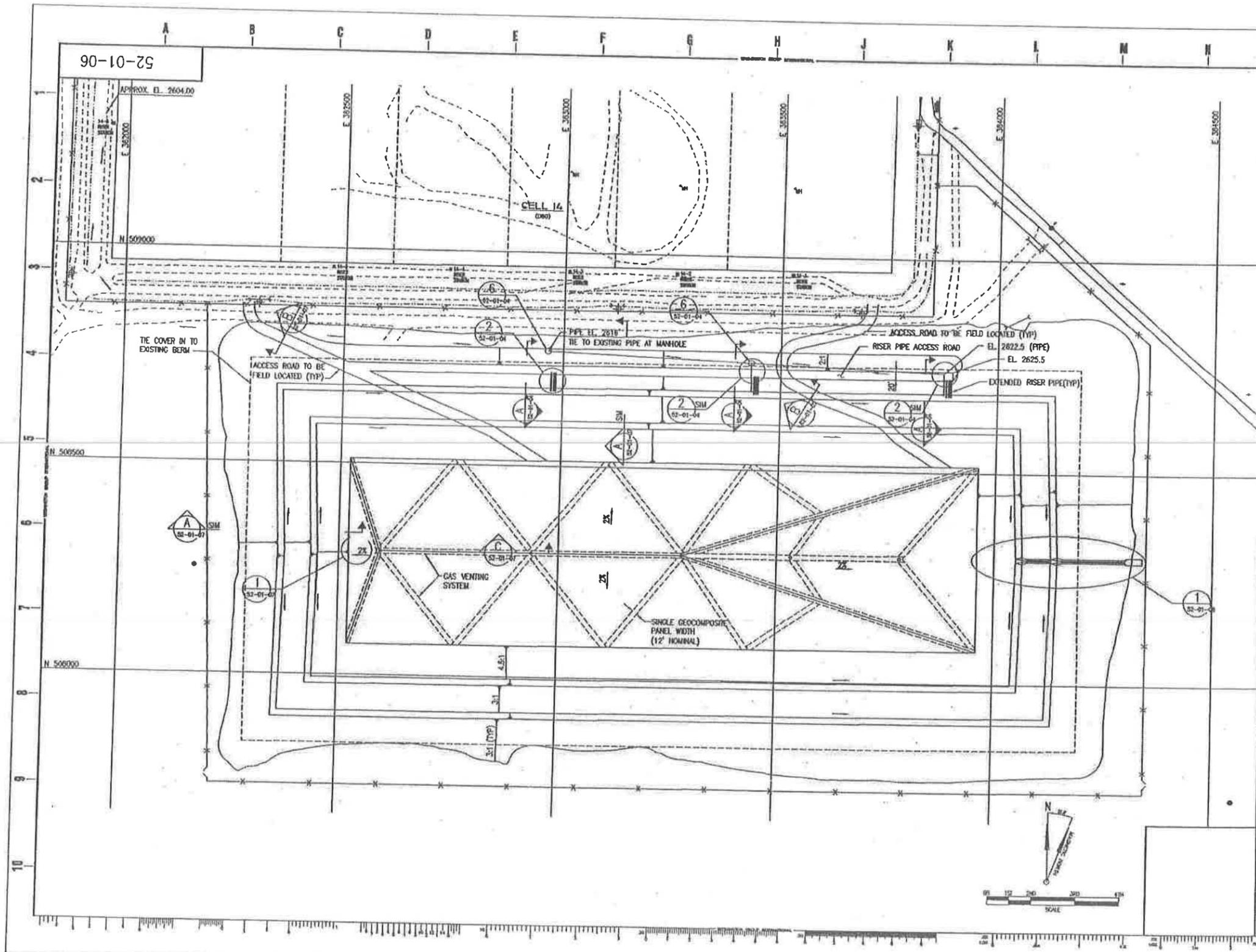


TOP DECK

CELL 15 EVAPOTRANSPIRATION FINAL COVER SCHEMATIC  
N.T.S.

REV.	BY	CHK'D	DATE	DATE	DESCRIPTION	PROJ. NO.	DATE
<b>USEcology Idaho</b> an American Ecology company							
<b>Daniel B. Stephens &amp; Associates, Inc.</b> ENVIRONMENTAL SCIENTISTS & ENGINEERS 4810 AGOCCUP RD, SUITE 100, BLANDING, WY 81509, (307) 833-8400							
SITE B GRAND VIEW, IDAHO US EPA ID NO. ID0 073 114 654							
TITLE: CIVIL CELL 15 - FINAL CLOSURE TYPICAL FINAL COVER SECTION AND DETAILS							
DATE	BY	SCALE	DATE	DATE	DATE	DATE	DATE
10/25/10	M. Malar	N.T.S.	10/25/10	10/25/10	10/25/10	10/25/10	10/25/10
10/25/10	J. Kelly		10/25/10	10/25/10	10/25/10	10/25/10	10/25/10
SHEET 7 of 8						3	

NOT FOR CONSTRUCTION



NO.	DATE	DESCRIPTION	BY	CHKD.

- NOTES
1. ACCESS ROADS SHOWN ARE ARBITRARY AND SHALL BE LOCATED BY U.S. ECOLOGY.
  2. MHIOR ADJUSTMENTS TO CONTROL POINTS SHOWN WILL BE ACCEPTABLE IN ORDER TO MAKE THE CONTOUR LINES SMOOTH AND CONTINUOUS AND TO ELIMINATE SHARP CORNERS.
  3. GAS VENT AND SURFACE CONTROL POINT.

REFERENCE DRAWINGS

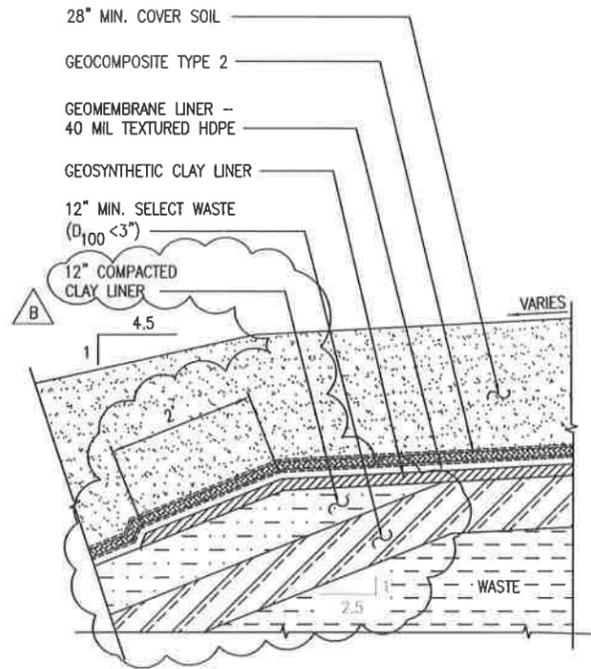
DRAWING NO.	DRAWING TITLE

**US Ecology Idaho**  
 an American Ecology company  
 GRAND VIEW FACILITY  
 LANDFILL CELL 15  
 FINAL COVER  
 GRADING PLAN

	DESIGNED BY	CHECKED BY	WORK ORDER NUMBER
	R. HANSEN	L. HAYS	25124
	DRAWING NUMBER	KEY	
	52-01-06	A	

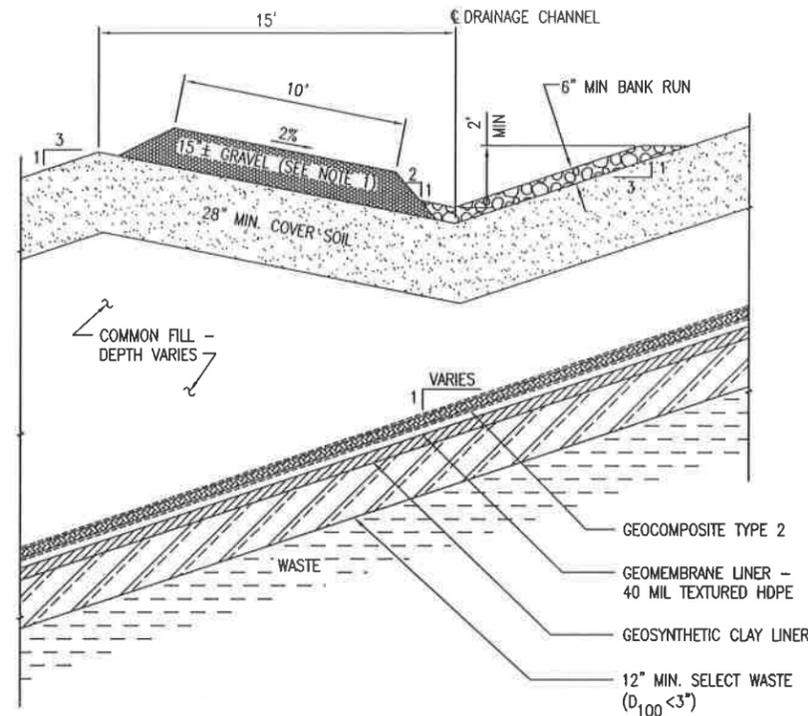
52-01-07

WASHINGTON GROUP INTERNATIONAL



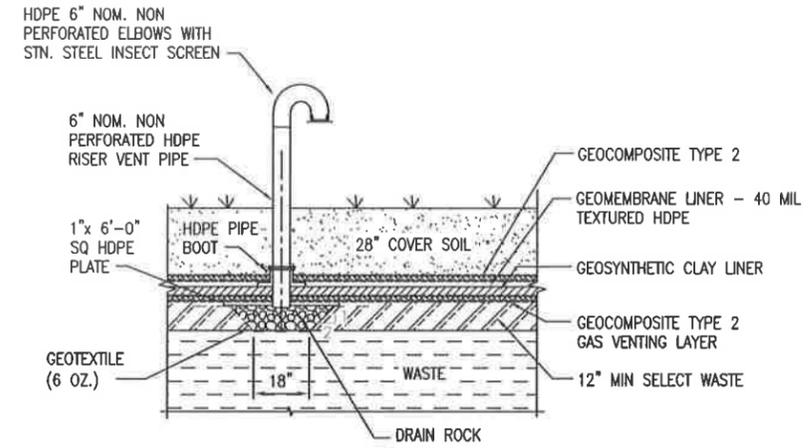
TYPICAL FINAL CLOSURE COVER SYSTEM

DETAIL 1  
NTS 52-01-06



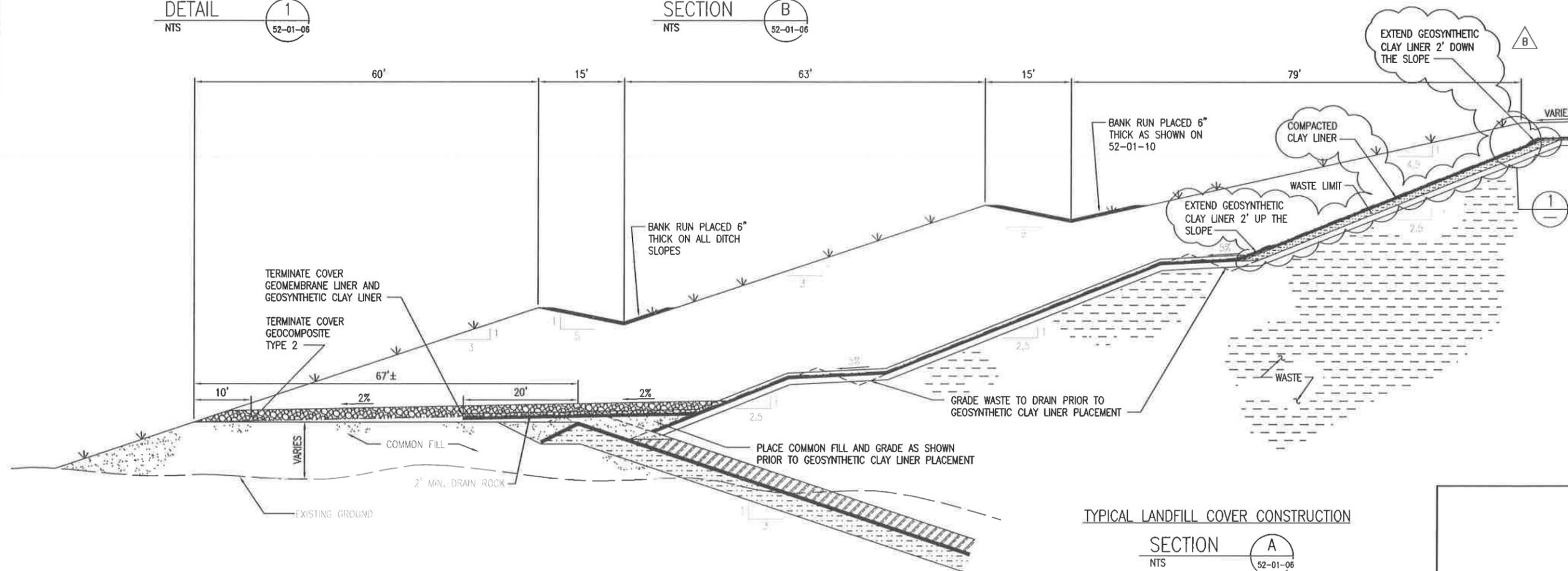
TYPICAL ACCESS ROAD CROSS SECTION

SECTION B  
NTS 52-01-06



GAS VENTING SYSTEM

SECTION C  
NTS 52-01-06



TYPICAL LANDFILL COVER CONSTRUCTION

SECTION A  
NTS 52-01-06

REV	DATE	DESCRIPTION	FE	DEPT

NOTES

- GRAVEL SURFACING TO BE PROVIDED BY OWNER.

REFERENCE DRAWINGS	
DRAWING NO.	DRAWING TITLE

**US Ecology Idaho**  
an American Ecology company

GRAND VIEW FACILITY  
LANDFILL CELL 15

FINAL COVER SECTIONS AND  
DETAILS 1



DRAWN BY L. HAYS	CHECKED BY ENG MGR APPR	WORK ORDER NUMBER 25124	REV B
DESIGNED BY R. HANSEN	DRAWING NUMBER 52-01-07		

WASHINGTON GROUP INTERNATIONAL

WASHINGTON GROUP INTERNATIONAL



52-01-08

WASHINGTON GROUP INTERNATIONAL

REV	DATE	DESCRIPTION	PE	DEPT

NOTES

REFERENCE DRAWINGS

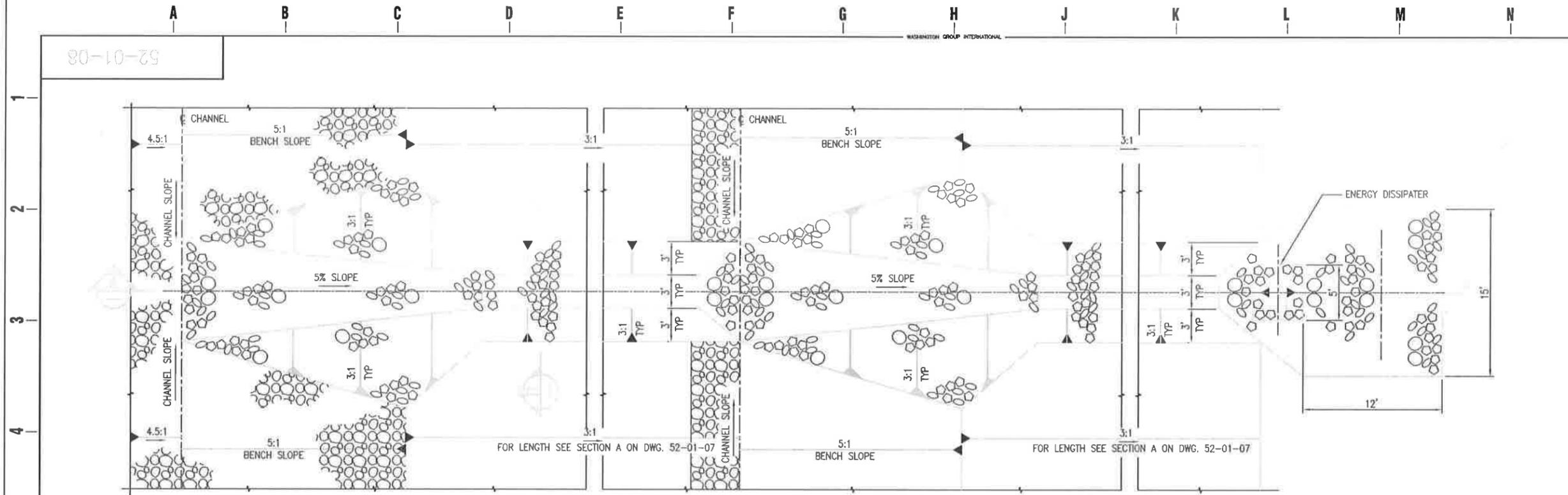
DRAWING NO.	DRAWING TITLE

US Ecology Idaho  
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GRAND VIEW FACILITY  
LANDFILL CELL 15  
FINAL COVER  
SECTIONS AND DETAILS  
SHEET 2

**Washington**

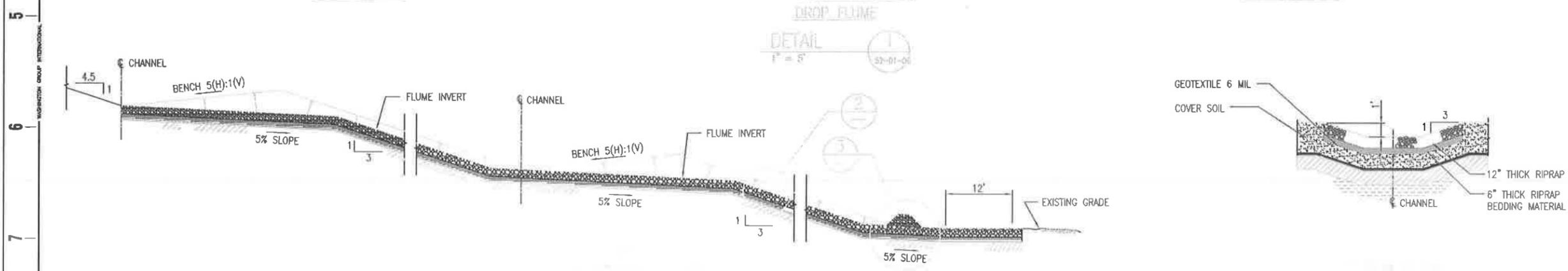
DRAWN BY L. HAYS	CHECKED BY	WORK ORDER NUMBER 25124
DESIGNED BY J. BESSAW	ENG MGR APPR	DRAWING NUMBER 52-01-08
		REV A



PLAN AT CAP

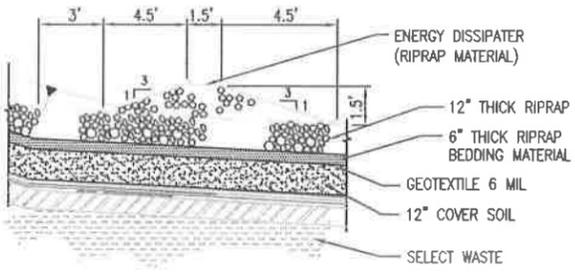
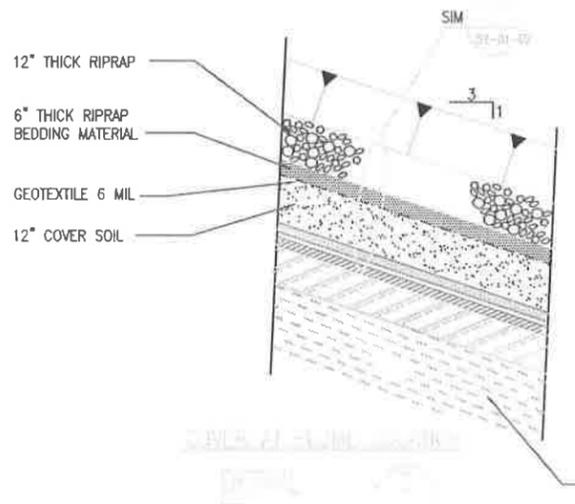
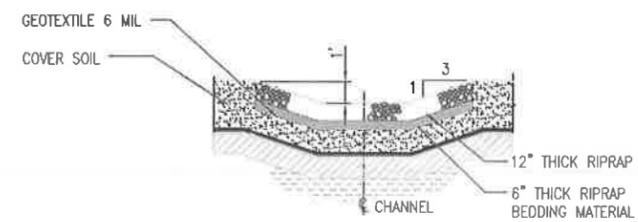
PLAN AT BENCH

PLAN AT BASE

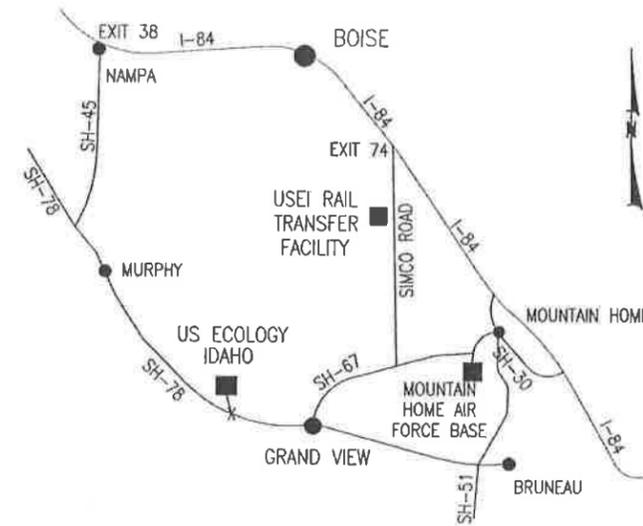


DROP FLUME  
DETAIL  
1/8" = 1'

1  
52-01-08



SHEET #	DRAWING DESCRIPTION	REVISION
15-08-00	DRAWING INDEX / COVER SHEET	0
15-08-01	PHASE IV LINER LAYOUT / PLAN VIEW	0
15-08-02	CELL LINER SECTIONS	0
15-08-03	INTERIM WASTE PLACEMENT	0
15-08-04	FINAL WASTE PLACEMENT	0
15-08-05	FINAL COVER GRADING PLAN	0
15-08-06	FINAL COVER SECTIONS AND DETAILS	0
15-08-07	FLUME SECTIONS AND DETAILS	0



**PROJECT VICINITY MAP**  
NOT TO SCALE

**GENERAL NOTES**

1. REFERENCE THE ORIGINAL CELL 15 DESIGN DRAWINGS, PREPARED BY WASHINGTON GROUP INTERNATIONAL (2001), FOR COORDINATES AND ELEVATIONS OF EXISTING CELL FEATURES.
2. DIMENSION LABELS HAVE PRECEDENCE OVER SCALED DIMENSIONS.
3. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
4. INTERNAL REFERENCES TO DRAWING NUMBERS WITHIN THIS SET HAVE BEEN ABBREVIATED FOR SIMPLICITY (E.G. DRAWING 15-08-02 IS REFERENCED AS DRAWING 02).

**LEGEND**

	FENCE LINE		CUT
	PROPERTY BOUNDARY		FILL
	UNIMPROVED ROAD		SURVEY MONUMENT
	TOPOGRAPHIC CONTOURS		POWER POLE
	CULVERT		MONITOR WELL
	DRAINAGE CHANNEL		FENCE GATE
	WASTE LIMIT		
	EDGE OF PAVEMENT		
	EXISTING TELEPHONE LINE		
	LEACHATE PIPE		
	SURVEY COORDINATE GRID LINE		

REV	DATE	BY	DESCRIPTION
0	3/16/09	VJT	FOR CONSTRUCTION



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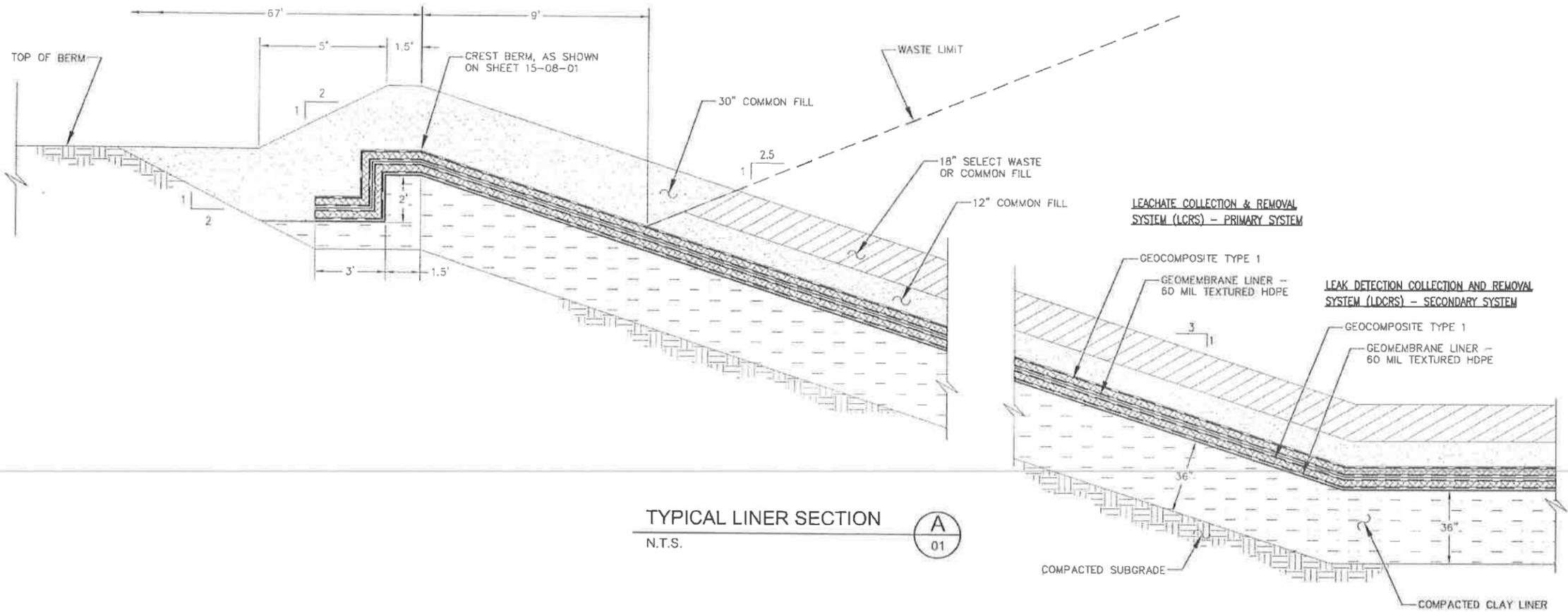
DRAWN BY	CHECKED BY	PROJECT NUMBER
VJT	RWH	07B-G1653

PROJECT NAME  
CELL 15 - PHASE IV MODIFICATION  
GRANDVIEW, IDAHO

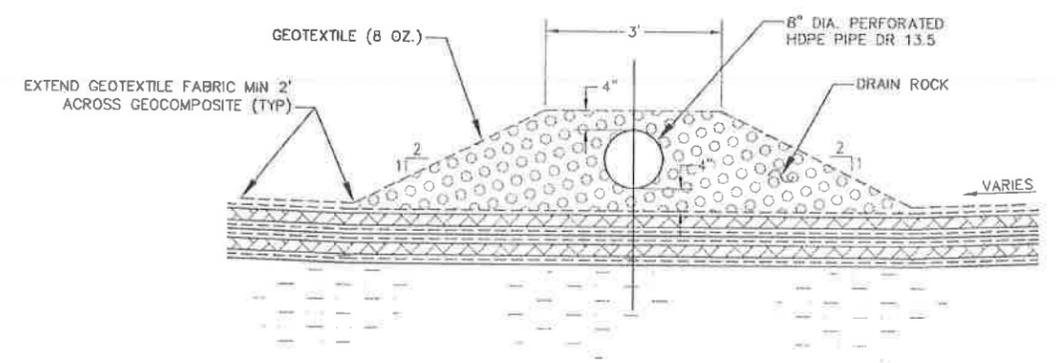
DRAWING INDEX /  
COVER SHEET

DRAWING NUMBER	REV
15-08-00	0

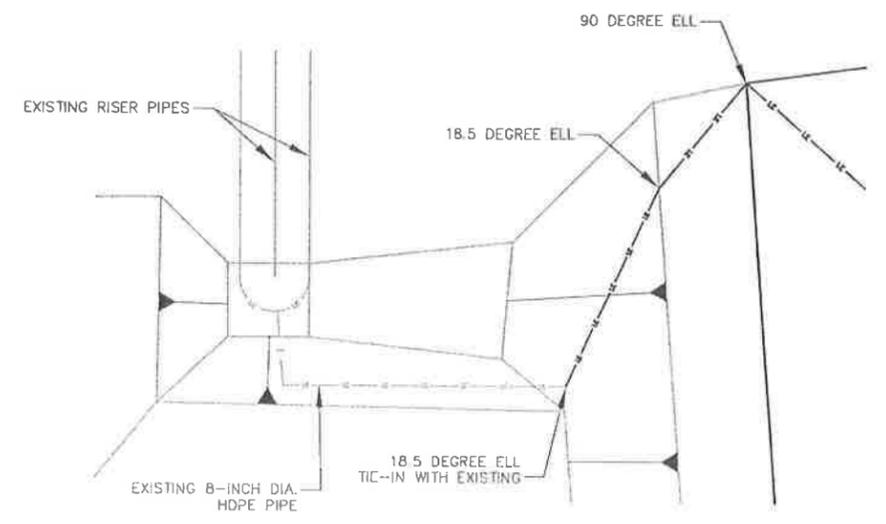




TYPICAL LINER SECTION  
N.T.S. (A) 01



LCRS HEADER PIPE  
N.T.S. (B) 01



LEACHATE PIPE TIE-IN  
1" = 30' (1) 01

REV	DATE	BY	DESCRIPTION
0	3/16/09	VJT	FOR CONSTRUCTION



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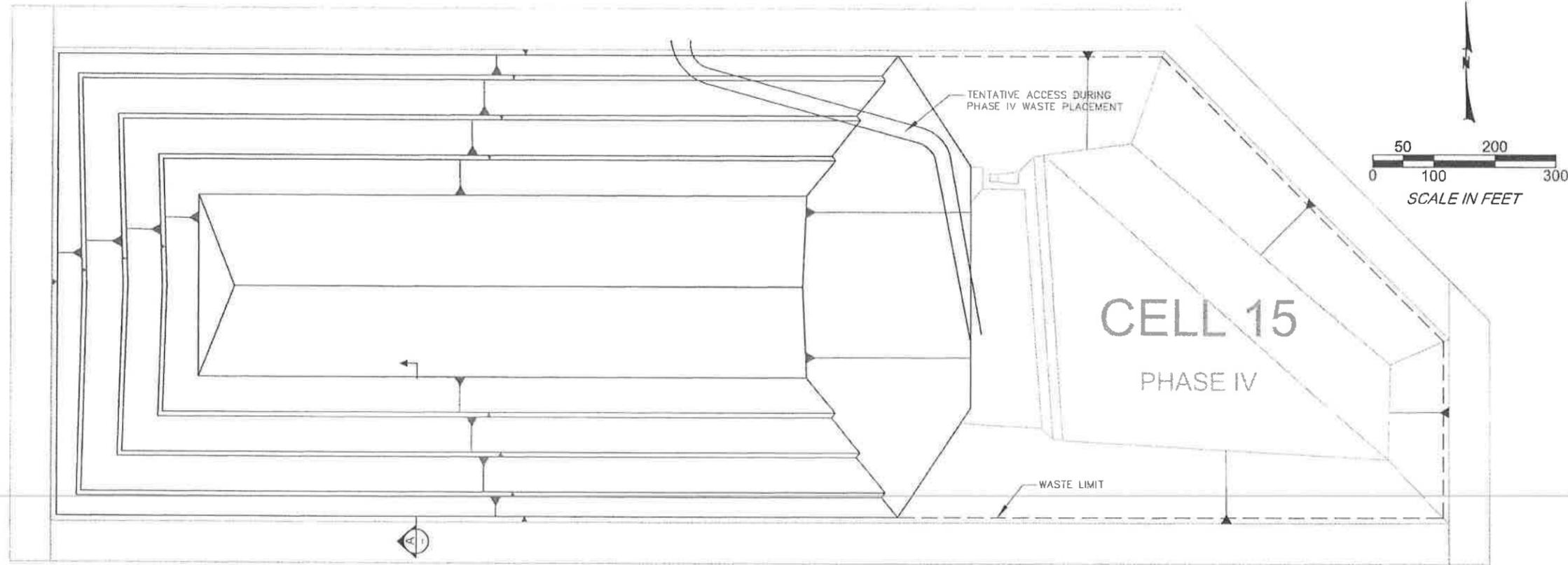
DRAWN BY VJT	CHECKED BY RWH	PROJECT NUMBER 07B-G1653
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PROJECT NAME  
CELL 15 - PHASE IV MODIFICATION  
GRAND VIEW, IDAHO  
CELL LINER SECTIONS

DRAWING NUMBER 15-08-02	REV 0
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**NOTES:**

1. REFERENCE THE ORIGINAL CELL 15 DESIGN DRAWINGS (2001, WG1) FOR COORDINATES AND ELEVATIONS OF EXISTING CELL FEATURES.



PHASE IV INTERIM

REV	DATE	BY	DESCRIPTION
0	3/16/09	VJT	FOR CONSTRUCTION



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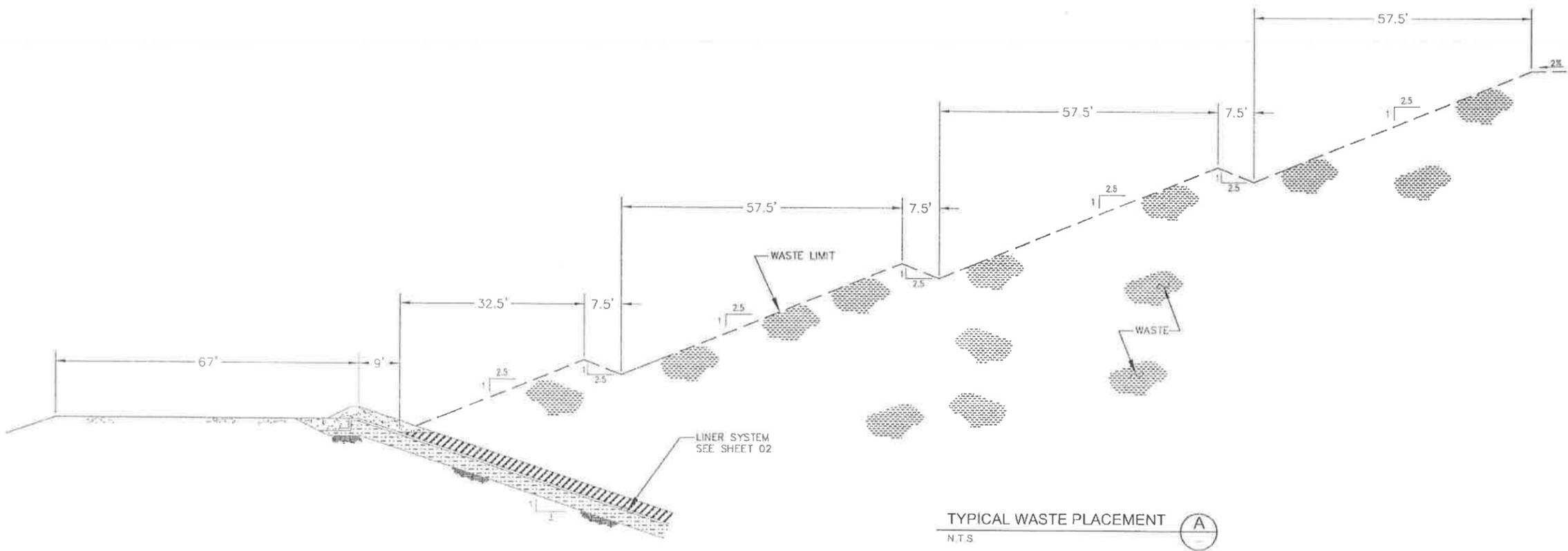


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DRAWN BY VJT	CHECKED BY RWH	PROJECT NUMBER 07B-G1653
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PROJECT NAME  
CELL 15 - PHASE IV MODIFICATION  
GRAND VIEW, IDAHO  
INTERIM WASTE PLACEMENT

DRAWING NUMBER 15-08-03	REV 0
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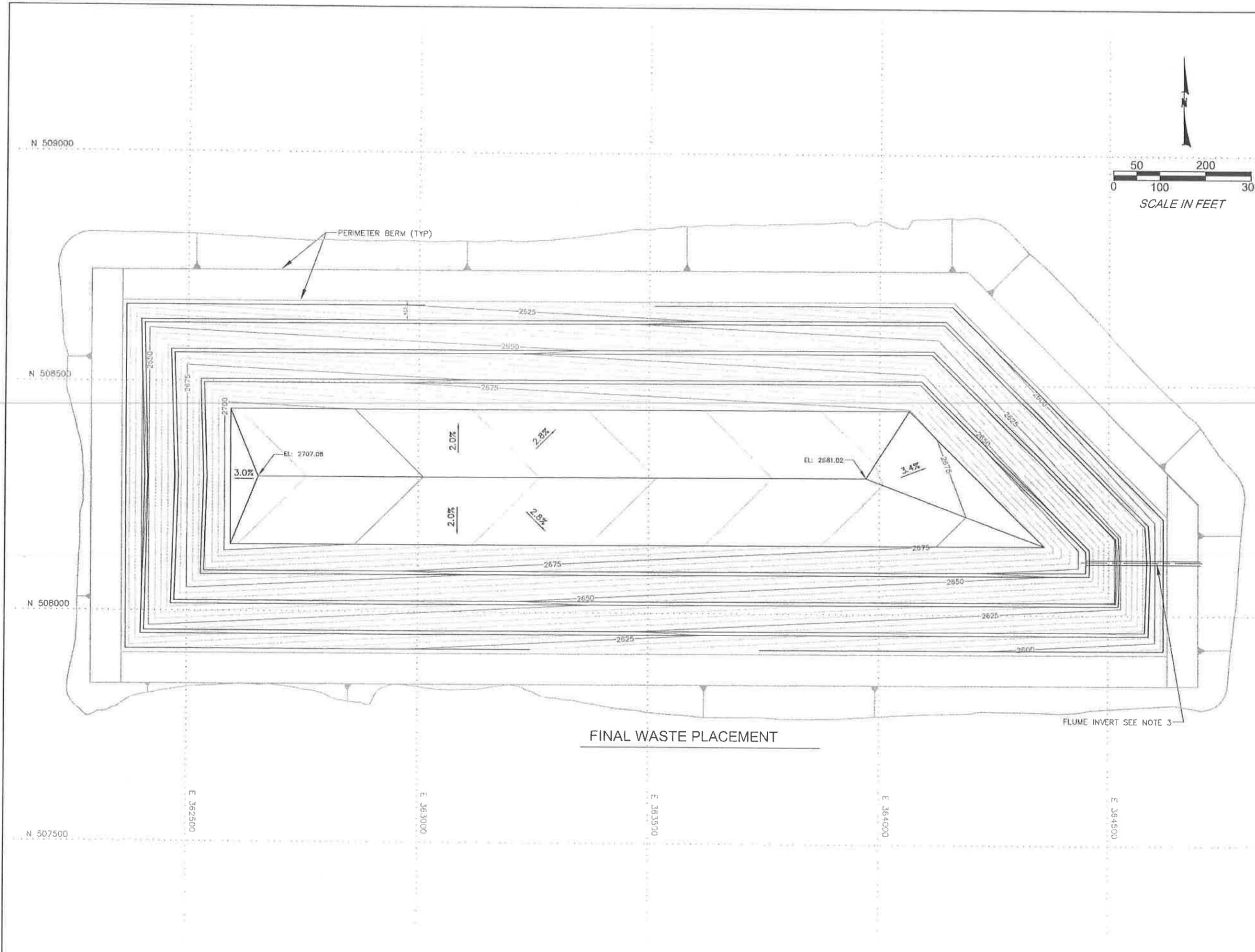
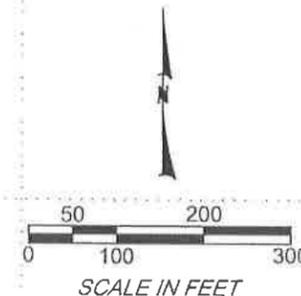


TYPICAL WASTE PLACEMENT  
N.T.S.



**NOTES:**

1. UPPER 12 INCHES OF WASTE MATERIAL TO BE SELECT 3" MINUS, FREE OF SHARP OBJECTS.
2. GRADE BENCHES TO DRAIN AT 5 PERCENT PRIOR TO PLACEMENT OF GEOSYNTHETIC COVER MATERIALS. SEE SHEET 06.
3. RECESS WASTE ELEVATIONS IN THE VICINITY OF THE FLUME, AS NECESSARY, TO PROVIDE VERTICAL CLEARANCE WITH THE GEOSYNTHETIC COVER MATERIALS. SEE SECTION B ON SHEET 07.
4. WASTE CONTOUR ELEVATIONS ARE SHOWN IN 5 FOOT INTERVALS.



REV	DATE	BY	DESCRIPTION
0	3/16/09	WT	FOR CONSTRUCTION



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PREPARED BY  
**AMERICAN  
GO  
TECHNICS**

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DRAWN BY: VJT    CHECKED BY: RWH    PROJECT NUMBER: 07B-G1653

PROJECT NAME: CELL 15 - PHASE IV MODIFICATION  
GRAND VIEW, IDAHO

FINAL WASTE PLACEMENT

DRAWING NUMBER: 15-08-04    REV: 0

N 509000

N 508500

N 508000

N 507500

E 362500

E 363000

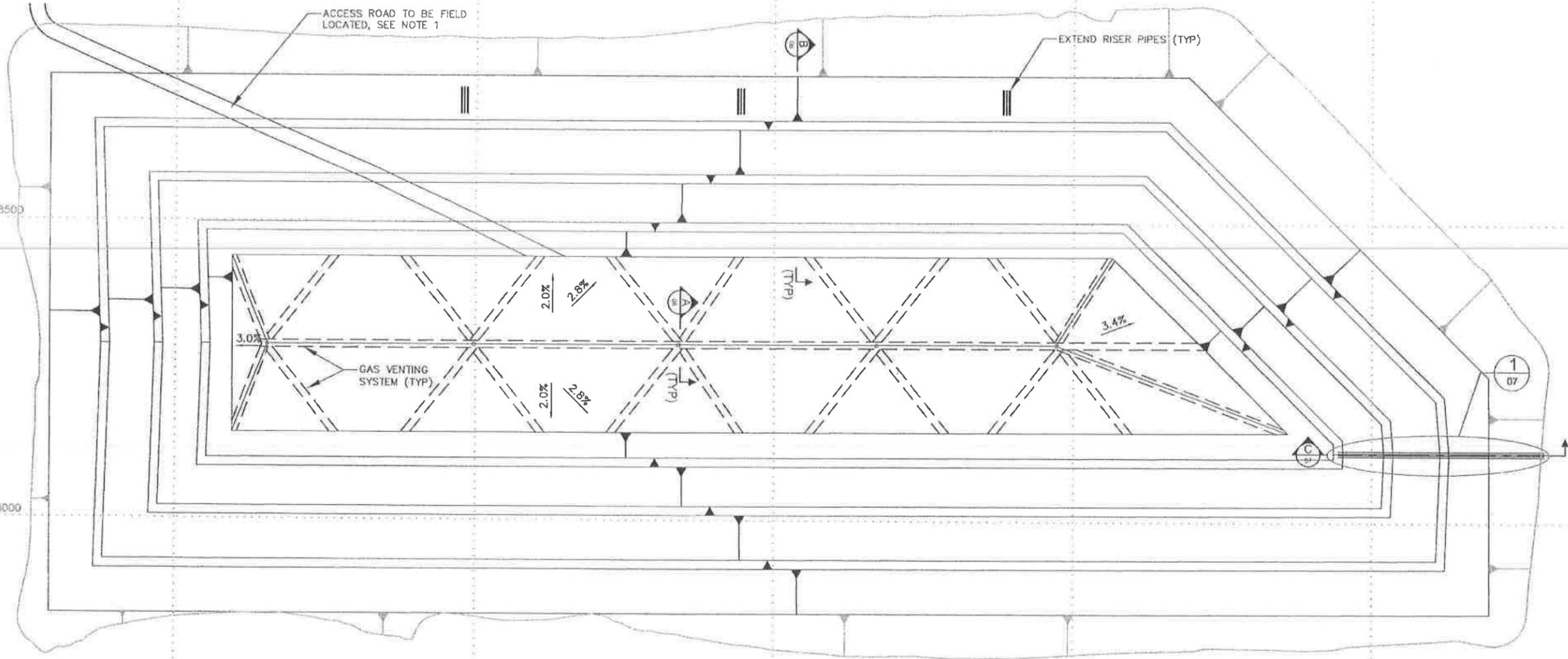
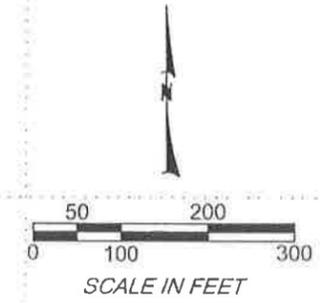
E 363500

E 364000

E 364500

**NOTES:**

1. INSTALL 18" DIAMETER CORRUGATED CULVERTS AT EACH DRAIN CHANNEL CROSSING DURING CONSTRUCTION OF ACCESS ROAD.
2. MINOR ADJUSTMENTS TO CONTROL POINTS SHOWN WILL BE ACCEPTABLE IN ORDER TO MAKE CONTOUR LINES SMOOTH AND CONTINUOUS AND TO ELIMINATE SHARP CORNERS, AS APPROVED BY THE FIELD ENGINEER.
3. GAS VENTING SYSTEM CONSISTS OF 12' WIDE, TYPE 2, GEOCOMPOSITE PANELS. OVERLAP ADJOINING PANELS AT LEAST 2 FEET.



**FINAL COVER GRADING PLAN**

REV	DATE	BY	DESCRIPTION
0	3/16/09	VJT	FOR CONSTRUCTION



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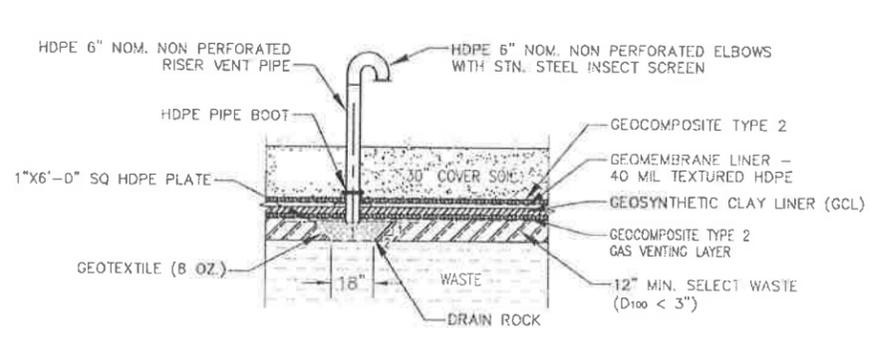
5260 Chinden Blvd · Boise, Idaho 83714  
Phone (208) 658-8700 · Fax (208) 658-8703

DRAWN BY VJT	CHECKED BY RWH	PROJECT NUMBER 07B-G1653
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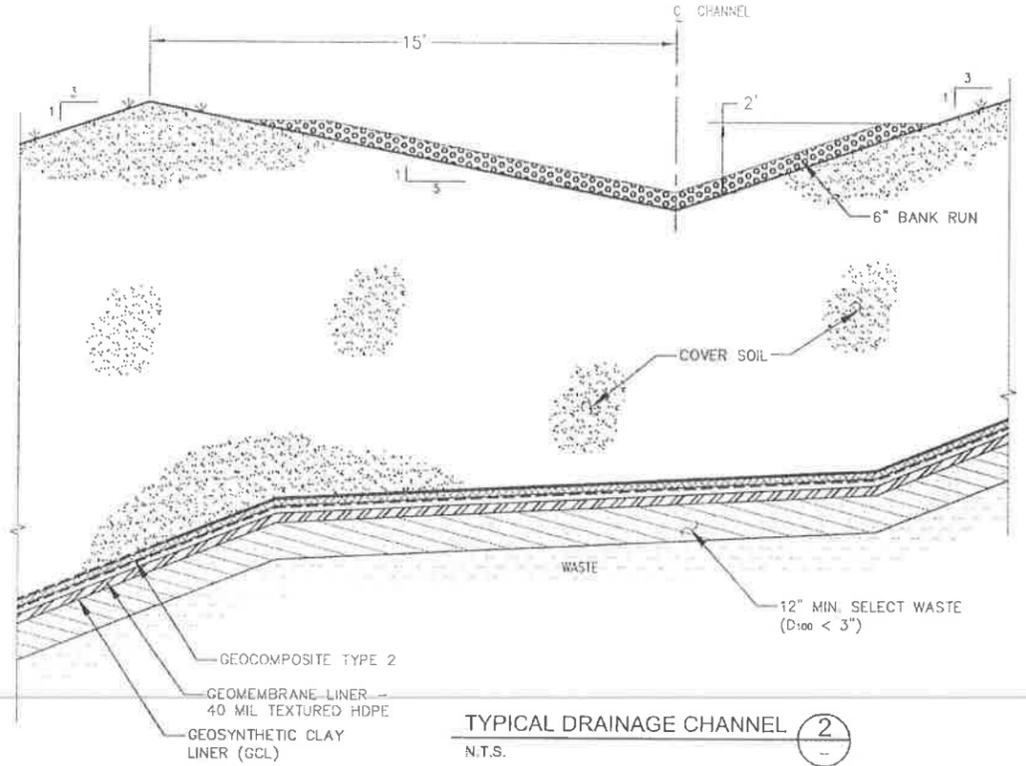
PROJECT NAME  
CELL 15 - PHASE IV MODIFICATION  
GRAND VIEW, IDAHO

**FINAL COVER GRADING PLAN**

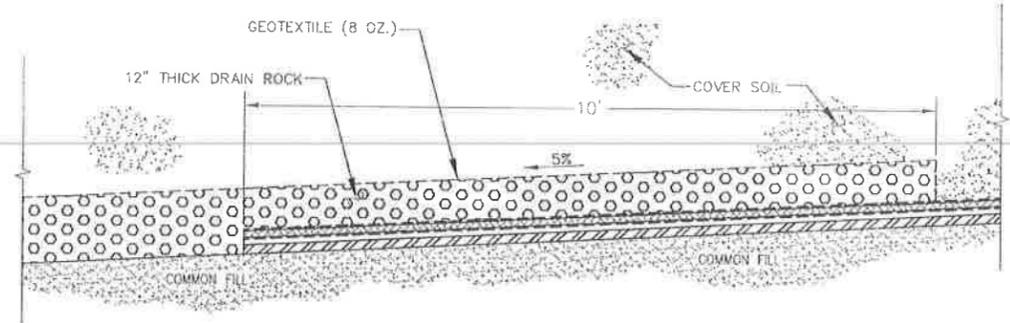
DRAWING NUMBER <b>15-08-05</b>	REV <b>0</b>
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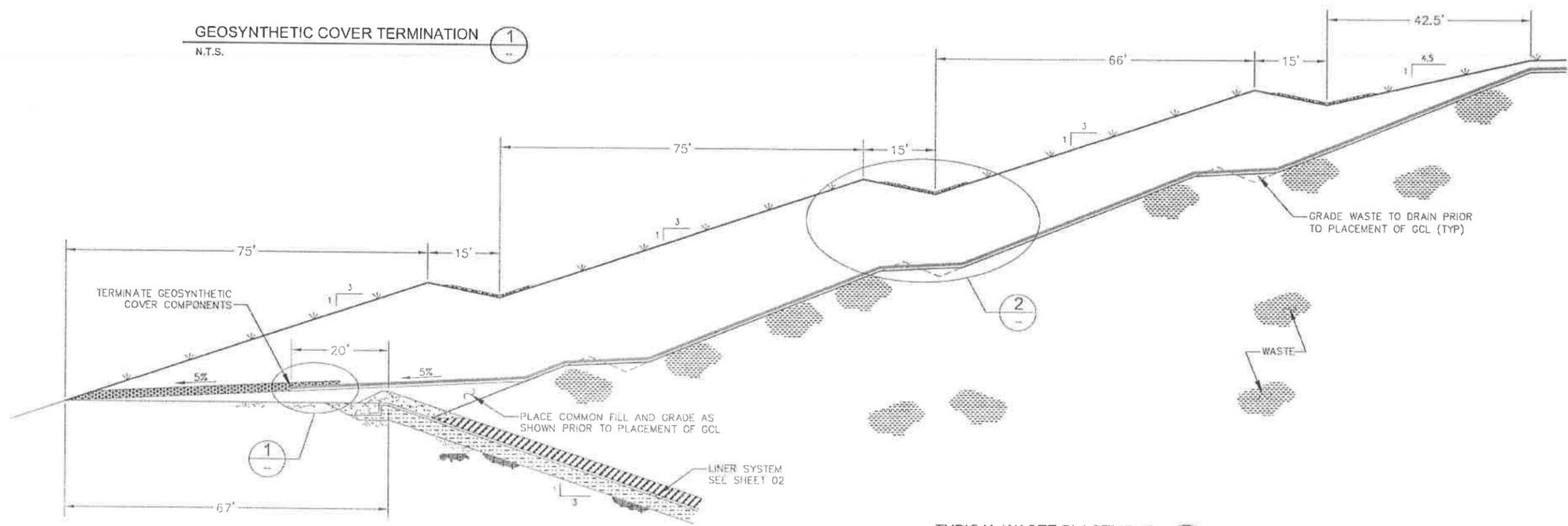
**GAS VENTING SYSTEM**  
N.T.S. (A) 05



**TYPICAL DRAINAGE CHANNEL**  
N.T.S. (2)



**GEOSYNTHETIC COVER TERMINATION**  
N.T.S. (1)



**TYPICAL WASTE PLACEMENT**  
N.T.S. (B) 05

REV	DATE	BY	DESCRIPTION
0	3/16/09	VJT	FOR CONSTRUCTION



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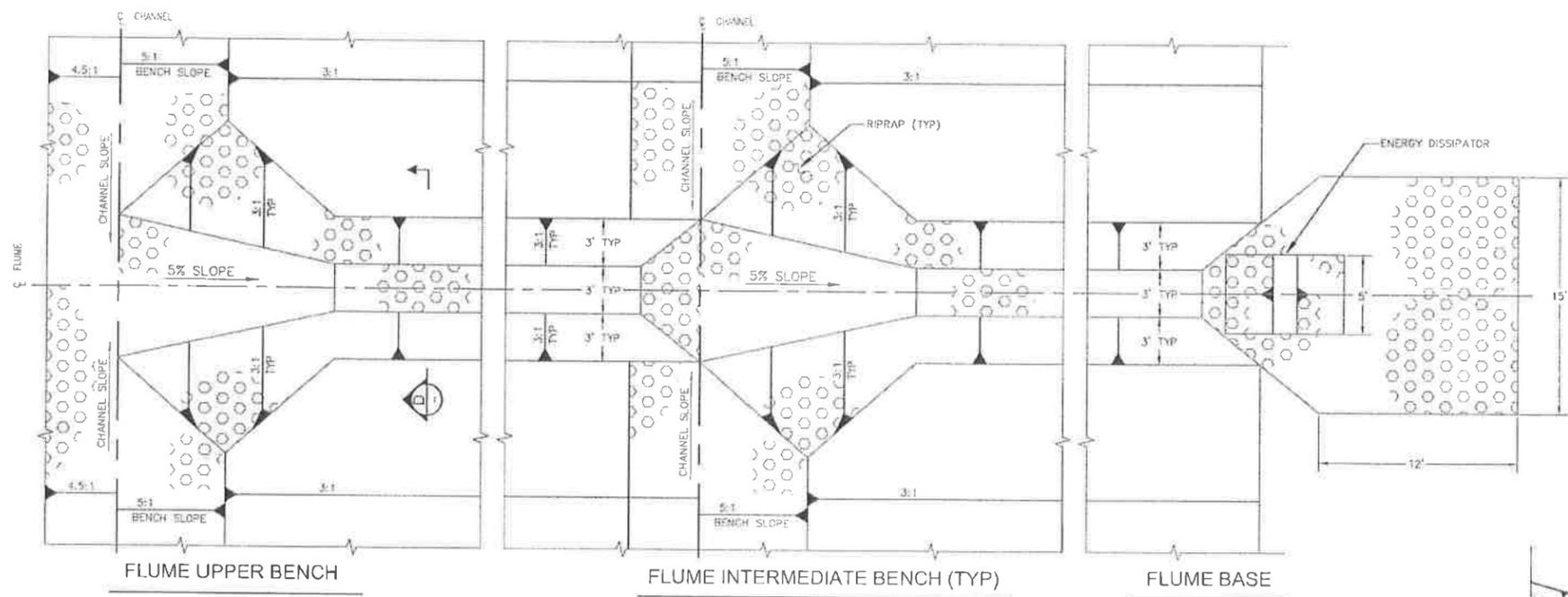
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Phone (208) 658-8700 · Fax (208) 658-8703

DRAWN BY VJT	CHECKED BY RWH	PROJECT NUMBER 07B-G1653
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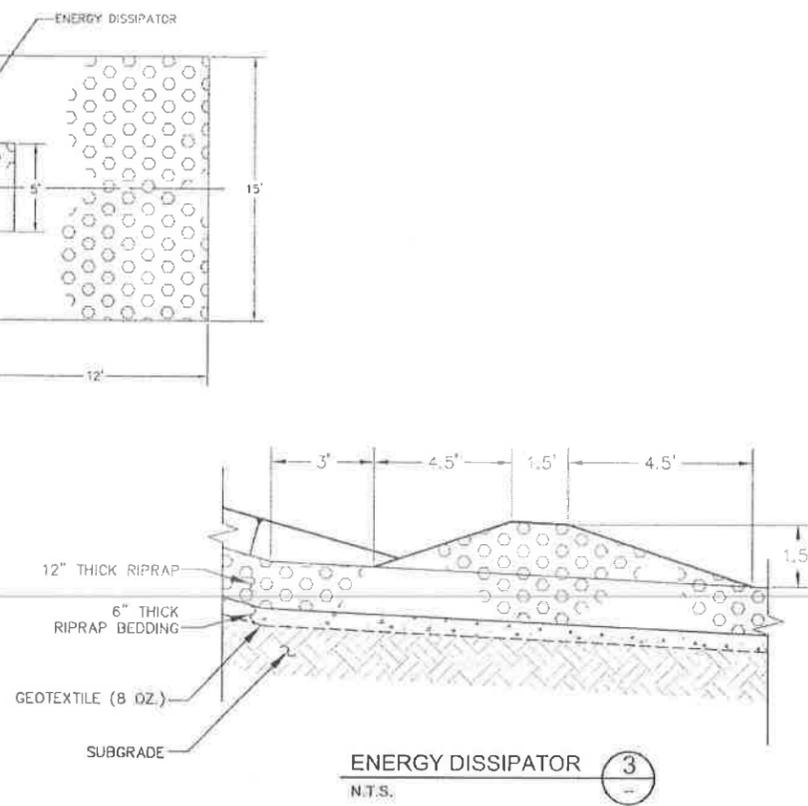
PROJECT NAME  
CELL 15 - PHASE IV MODIFICATION  
GRAND VIEW, IDAHO

FINAL COVER SECTIONS  
AND DETAILS

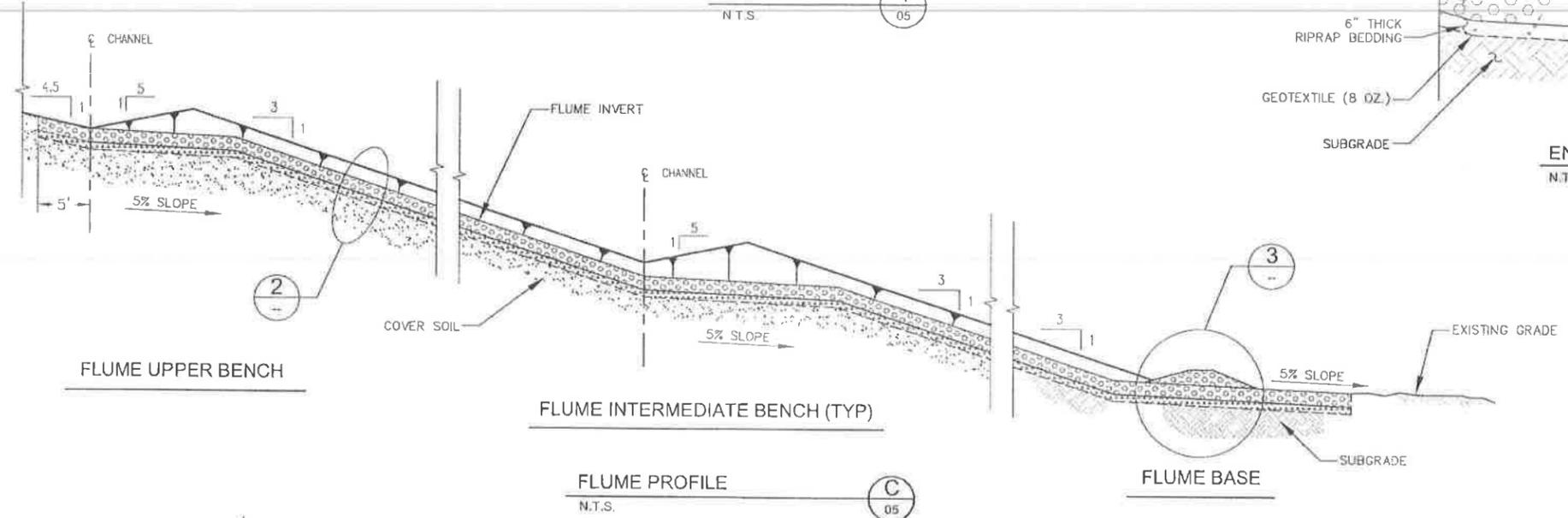
DRAWING NUMBER 15-08-06	REV 0
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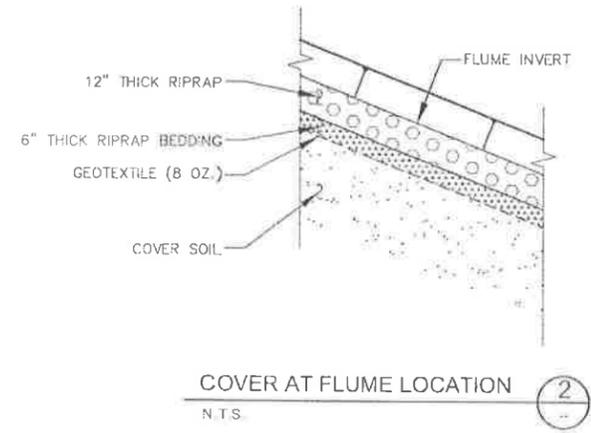
FLUME DETAIL 1  
N.T.S. 05



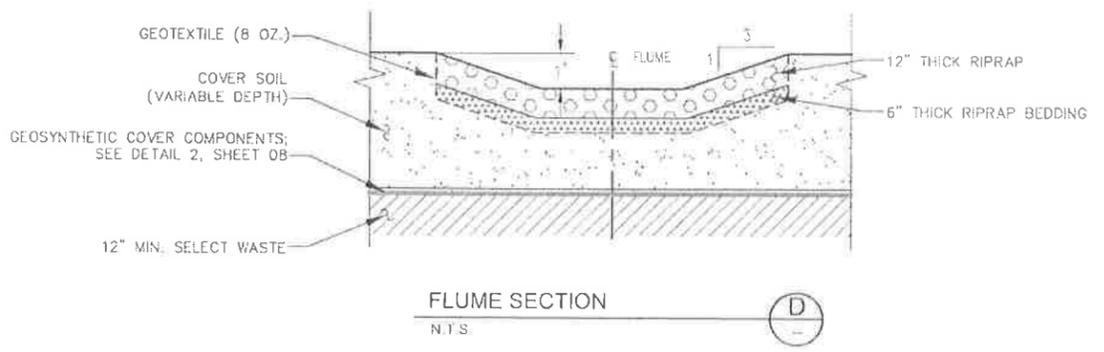
ENERGY DISSIPATOR 3  
N.T.S.



FLUME PROFILE C  
N.T.S. 05



COVER AT FLUME LOCATION 2  
N.T.S.



FLUME SECTION D  
N.T.S.

REV	DATE	BY	DESCRIPTION
0	3/16/09	WJT	FOR CONSTRUCTION



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DRAWN BY WJT	CHECKED BY RWH	PROJECT NUMBER 07B-G1653
-----------------	-------------------	-----------------------------

PROJECT NAME  
CELL 15 - PHASE IV MODIFICATION  
GRAND VIEW, IDAHO

FLUME SECTIONS AND DETAILS

DRAWING NUMBER 15-08-07	REV 0
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SHEET #	DRAWING DESCRIPTION
16-11-00	DRAWING INDEX / COVER SHEET
16-11-01	CELL LINER LAYOUT / PLAN VIEW 1
16-11-02	CELL LINER LAYOUT / PLAN VIEW 2
16-11-03	CELL LINER / SECTIONS AND DETAILS
16-11-04	CONSTRUCTION PHASING AND WASTE PLACEMENT
16-11-05	INTERIM STORM WATER CONTROL DETAILS
16-11-06	SUMPS AND RISERS / SECTIONS AND DETAILS
16-11-07	LEACHATE PIPE / SECTIONS AND DETAILS
16-11-08	WASTE PLACEMENT / SECTIONS AND DETAILS

### GENERAL NOTES

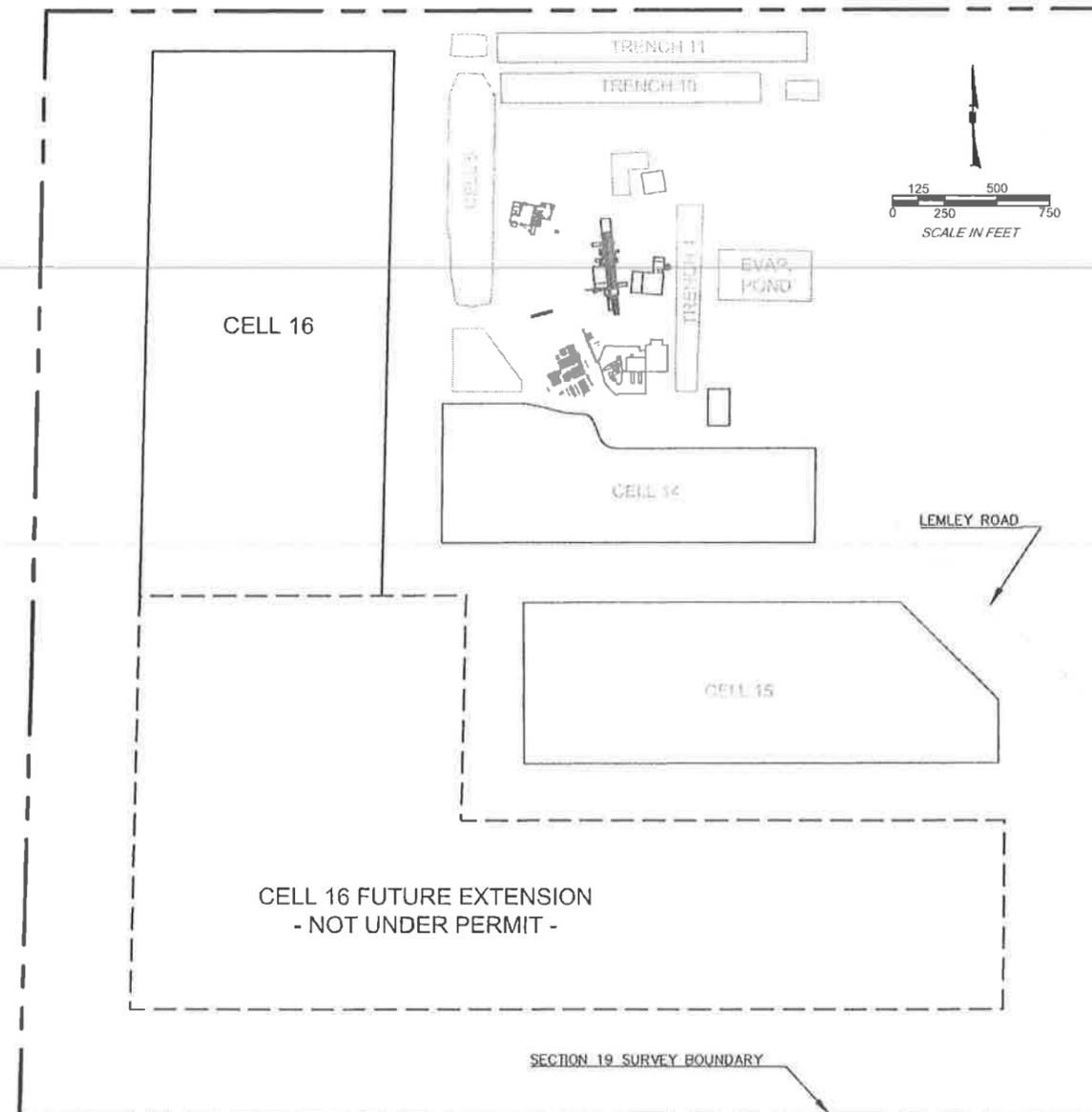
1. DIMENSION LABELS HAVE PRECEDENCE OVER SCALED DIMENSIONS.
2. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
3. INTERNAL REFERENCES TO DRAWING NUMBERS WITHIN THIS SET HAVE BEEN ABBREVIATED FOR SIMPLICITY (E.G. DRAWING 16-11-06 IS REFERENCED AS DRAWING 06).
4. SURVEY OF EXISTING TOPOGRAPHY WITHIN CELL 16 FOOTPRINT PERFORMED BY ARROW SURVEY IN MARCH 2008.
5. CONTRACTOR SHALL COMPLY WITH THE CLEAN WATER ACT NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES). THE CONTRACTOR MUST FILE A NOTICE OF INTENT (NOI) WITH THE EPA AND IMPLEMENT AN APPROVED STORM WATER POLLUTION PREVENTION (SWPP) PLAN FOR THE INTERIM CONSTRUCTION CONDITIONS. THE OWNER'S SURFACE WATER MANAGEMENT PLAN WILL ADDRESS LONG-TERM CONSIDERATIONS FOR SEDIMENTATION CONTROL.

### CELL 16 SURVEY CONTROL POINTS

BM ID.	EASTING (FT)	NORTHING (FT)	ELEVATION (FT)	NOTES
16-1	362,173.35	508,251.75	2,652.86	5/8" ROD
16-2	361,964.15	509,451.56	2,601.21	5/8" ROD
16-3	360,020.25	508,858.37	2,590.88	BRASS CAP
16-4	360,078.90	511,490.94	2,582.46	BRASS CAP
16-5	361,893.38	511,499.82	2,527.44	ALUM CAP

### LEGEND

	CUT
	FILL
	GRADE & DIRECTION OF DRAINAGE
	SURVEY CONTROL POINT
	POWER POLE
	WELL
	FENCE LINE
	LEACHATE PIPE
	PROPERTY BOUNDARY
	UNIMPROVED ROAD
	EXISTING TOPOGRAPHY
	CULVERT
	CUT/FILL INTERFACE
	DRAINAGE CHANNEL



### FACILITY SITE MAP

REV	DATE	BY	DESCRIPTION
0	2/8/12	WT	ISSUED FOR CONSTRUCTION



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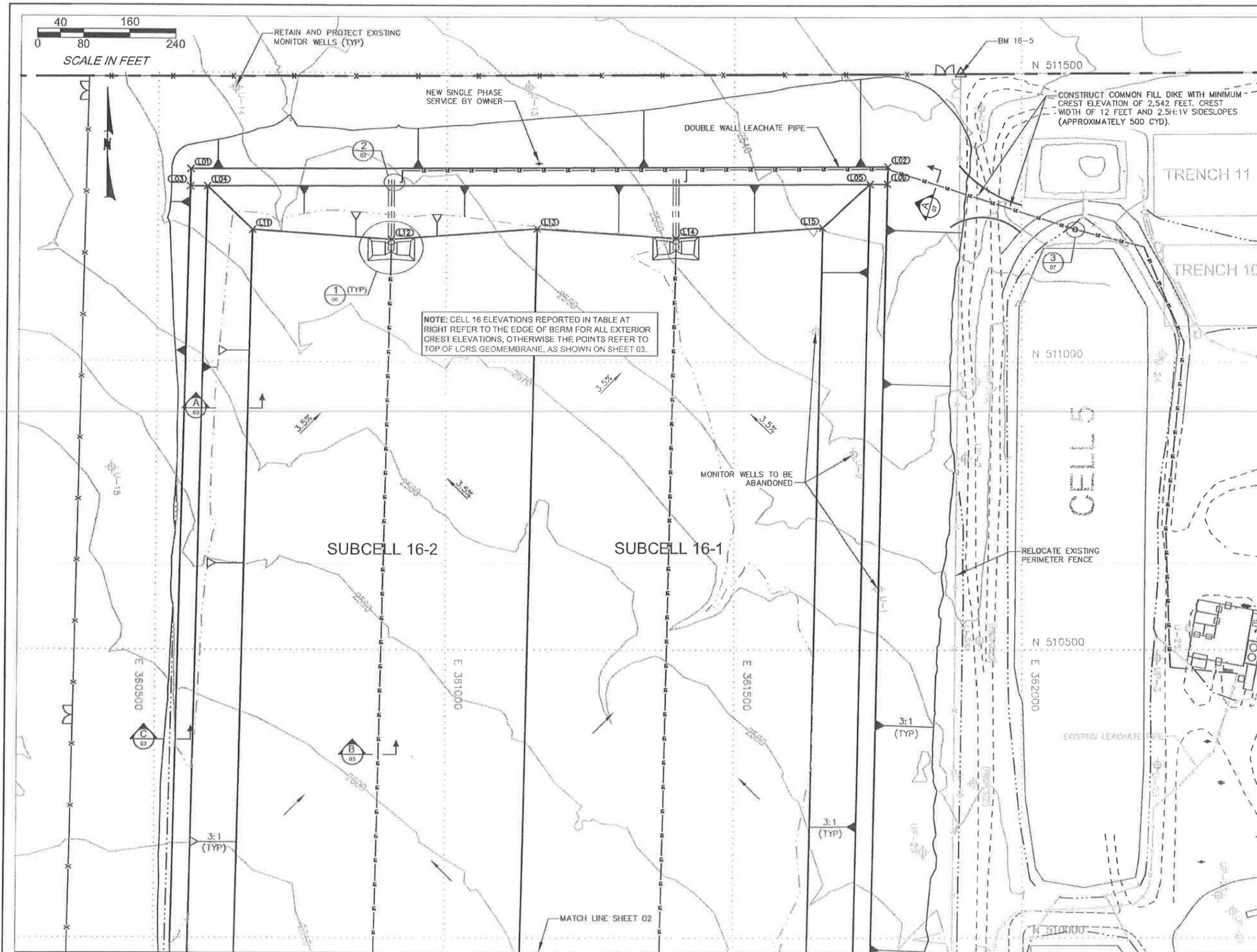


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DRAWN BY	CHECKED BY	PROJECT NUMBER
VJT	RWH	07B-G1654

PROJECT NAME  
CELL 16 LANDFILL UNIT  
GRANDVIEW, IDAHO  
DRAWING INDEX  
COVER SHEET

DRAWING NUMBER	REV
16-11-00	0



Cell 16 Point Table

POINT #	NORTHING	EASTING	ELEVATION
L01	511332.94	360555.82	2580.00
L02	511338.09	361765.81	2580.00
L03	511302.94	360555.20	2580.00
L04	511303.06	360585.20	2580.00
L05	511307.96	361735.19	2580.00
L06	511308.09	361765.19	2580.00
L07	508502.94	360496.90	2650.00
L08	508503.06	360526.90	2650.00
L09	508507.96	361676.89	2650.00
L10	508508.09	361706.89	2650.00
L11	511228.40	360664.14	2555.00
L12	511212.20	360904.83	2549.26
L13	511230.50	361158.49	2555.00
L14	511214.31	361399.17	2549.26
L15	511232.61	361652.83	2555.00
L16	508503.41	360607.40	2623.12
L17	508504.43	360848.45	2616.95
L18	508505.51	361101.75	2623.12
L19	508506.54	361342.79	2616.95
L20	508507.62	361596.10	2623.12

REV	DATE	BY	DESCRIPTION
0	2/8/12	WJ	ISSUED FOR CONSTRUCTION



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DRAWN BY: WJT  
CHECKED BY: RWH  
PROJECT NUMBER: 07B-G1654

PROJECT NAME: CELL 16 LANDFILL UNIT  
GRANDVIEW, IDAHO  
CELL LINER LAYOUT  
PLAN VIEW 1

DRAWING NUMBER: 16-11-01  
REV: 0



**NOTES:**  
 1. SEE SHEET 01 FOR CONTROL POINT COORDINATE TABLE.

REV	DATE	BY	DESCRIPTION
0	2/8/12	WT	ISSUED FOR CONSTRUCTION



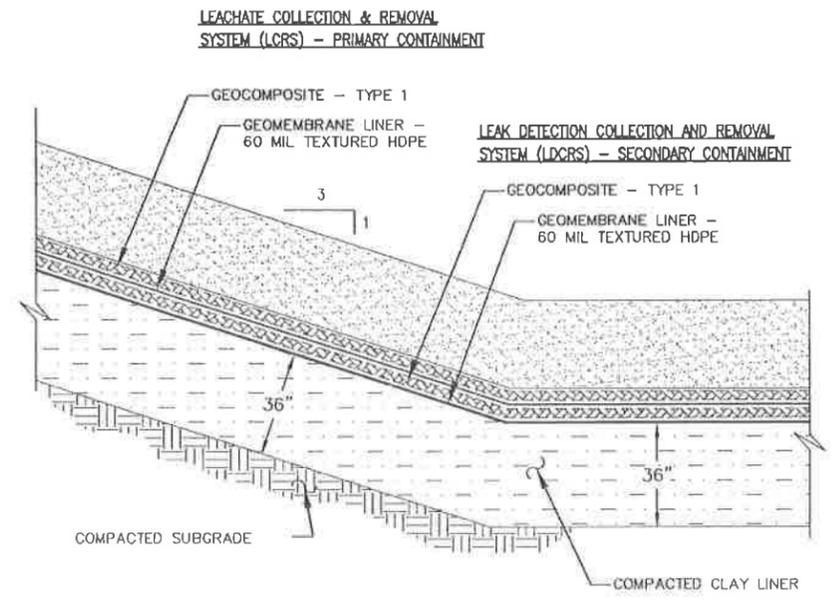
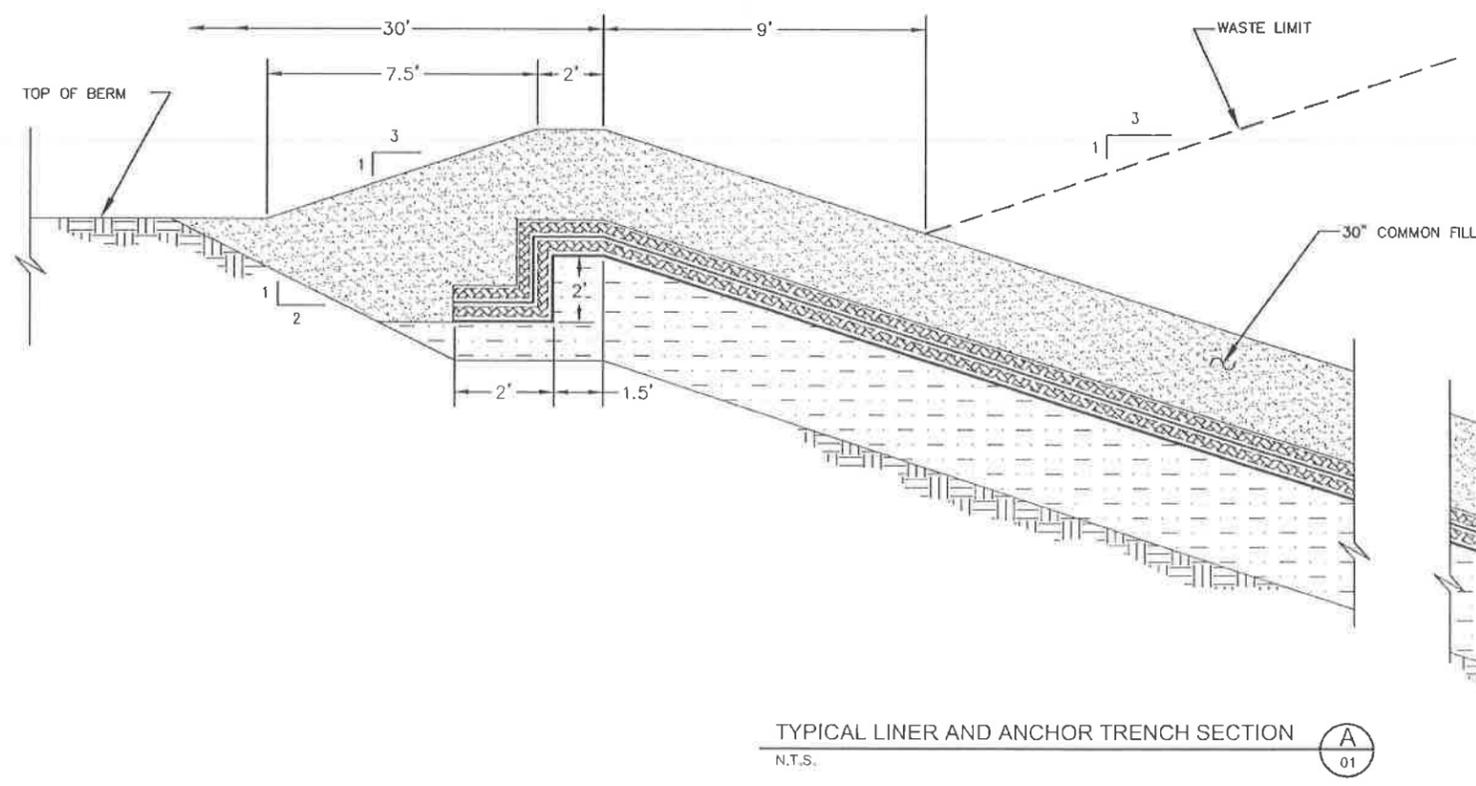
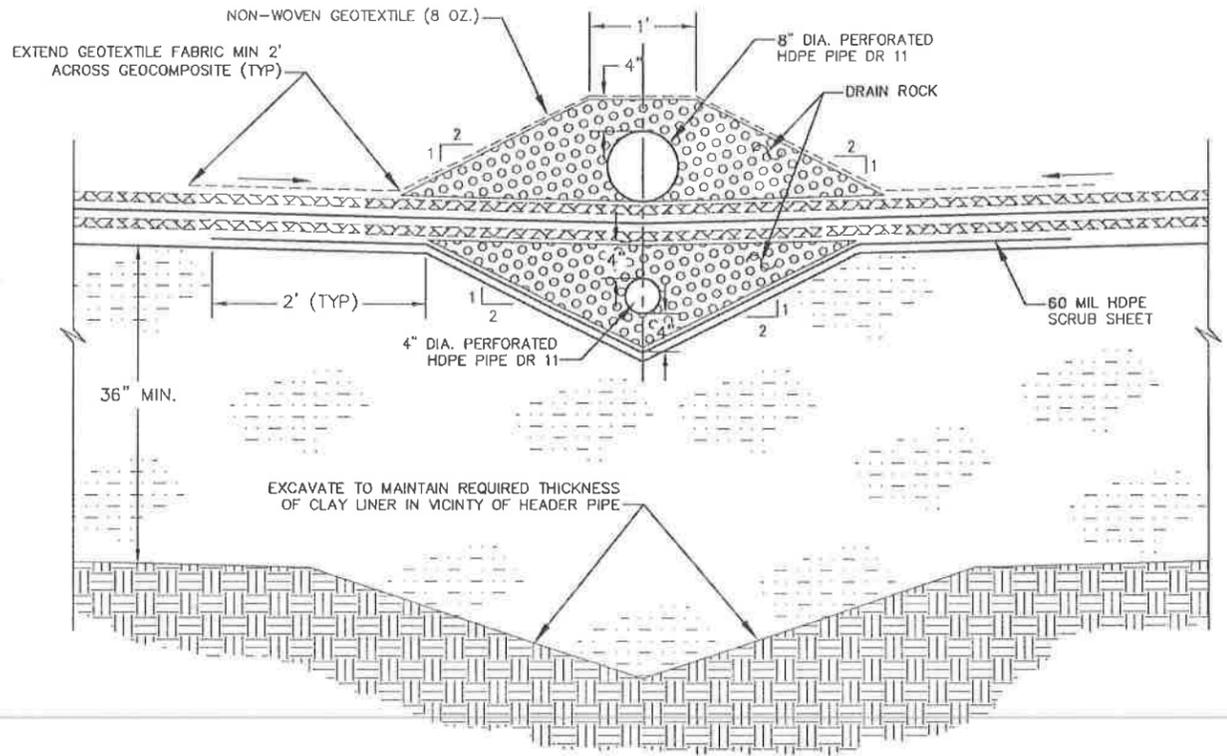
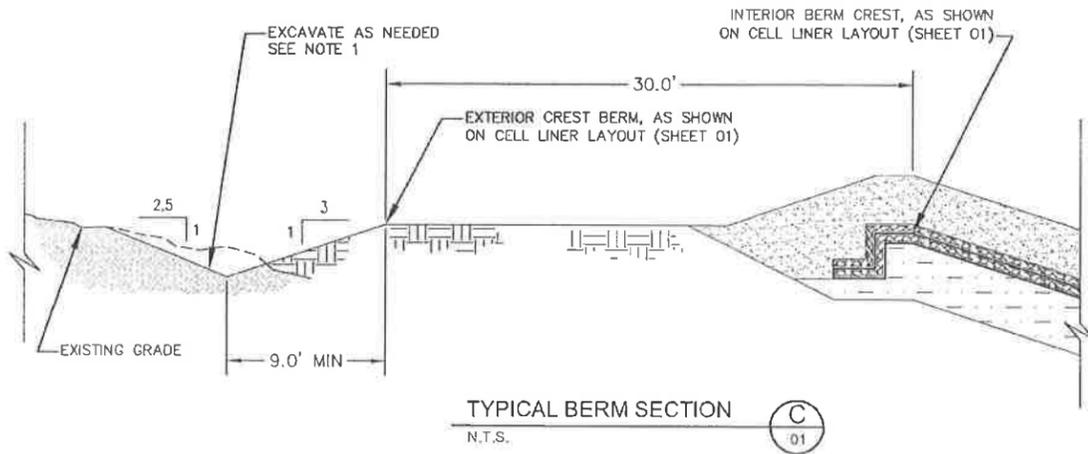
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DRAWN BY VJT	CHECKED BY RWH	PROJECT NUMBER 07B-G1654
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PROJECT NAME  
 CELL 16 LANDFILL UNIT  
 GRANDMEW, IDAHO  
 CELL LINER LAYOUT  
 PLAN VIEW 2

DRAWING NUMBER 16-11-02	REV 0
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- NOTES:**
- EXCAVATE EXTERIOR SHOULDER OF BERM, AS NECESSARY, TO MAINTAIN AT LEAST 3 FEET OF VERTICAL BERM REVEAL (9 FEET OF HORIZONTAL SLOPE).
  - ALL GEOMEMBRANE PANELS INSTALLED ALONG SIDESLOPES MUST BE TEXTURED. GEOMEMBRANE PANELS INSTALLED ACROSS THE FLOOR OF THE CELL MAY BE SMOOTH OR TEXTURED.

REV	DATE	BY	DESCRIPTION
0	2/8/12	WJT	ISSUED FOR CONSTRUCTION



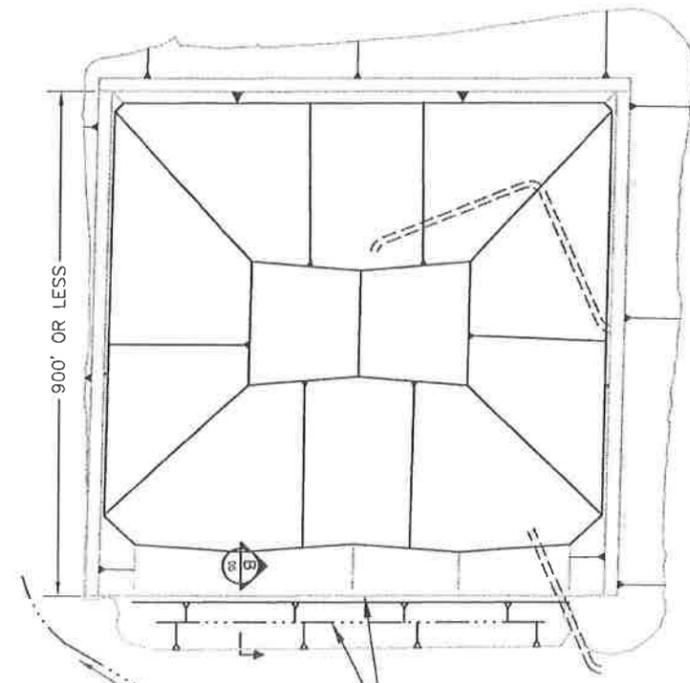
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DRAWN BY: WJT  
CHECKED BY: RWH  
PROJECT NUMBER: 07B-G1654

PROJECT NAME: CELL 16 LANDFILL UNIT  
GRANDVIEW, IDAHO  
CELL LINER  
SECTIONS AND DETAILS

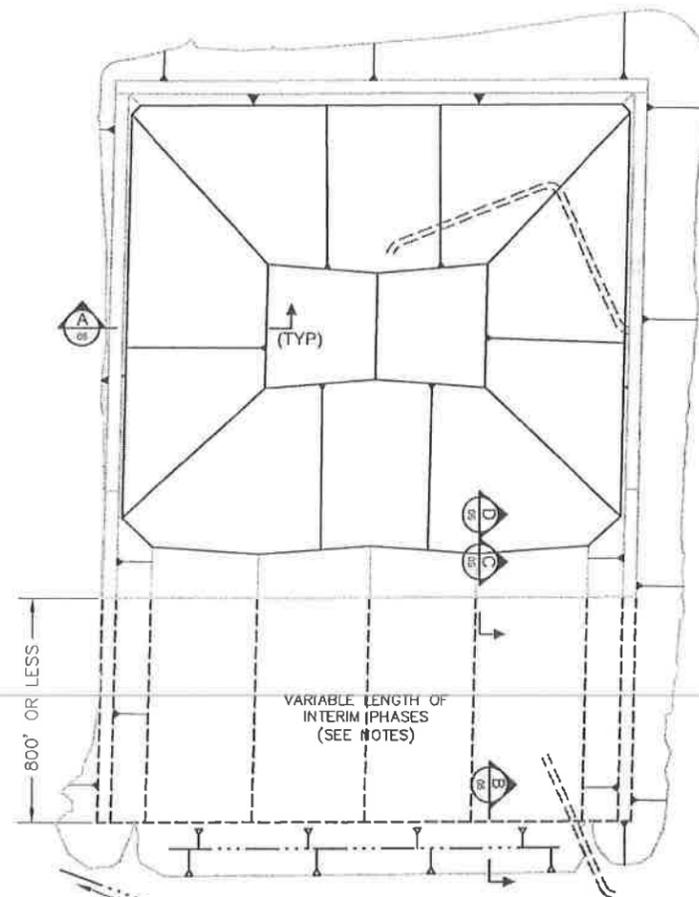
DRAWING NUMBER: 16-11-03  
REV: 0



CONSTRUCT TEMPORARY SWALE AND DIKE TO PREVENT STORM WATER RUN-ON (TYP)

EXCAVATE TEMPORARY CHANNEL TO INTERCEPT AND DIVERT STORM WATER AROUND WEST SIDE OF CELL (TYP)

INITIAL OPERATIONAL PHASE (1)  
N.T.S.



VARIABLE LENGTH OF INTERIM PHASES (SEE NOTES)

INTERIM CONSTRUCTION PHASE (2)  
N.T.S.



MAXIMUM OPERATIONAL PHASE (3)  
N.T.S.

**NOTES:**

1. CELL LINER CONSTRUCTION TO BE PERFORMED IN PHASED INTERVALS.
2. THE LENGTH OF EACH PHASE, MEASURED IN THE NORTH / SOUTH DIRECTION, IS VARIABLE WITH A SET MAXIMUM VALUE.
3. THE LENGTH OF THE INITIAL PHASE IS LIMITED TO 900 FEET OR LESS. THE LENGTH OF SUBSEQUENT INTERIM PHASES ARE LIMITED TO 800 FEET OR LESS.
4. WASTE MATERIALS SHOULD BE PLACED IN CONTINUOUS HORIZONTAL LIFTS WITHIN EACH PHASE, PROCEEDING FROM BOTTOM TO TOP.
5. WASTE PLACEMENT IN PREVIOUS PHASES MUST HAVE A NOMINAL DEPTH OF 20 FEET, EXCLUDING THE REQUIRED WASTE SET-BACK ZONE, PRIOR TO CONSTRUCTION OF AN ADDITIONAL PHASE.
6. THE MAXIMUM OVERALL LENGTH OF THE CELL, IS LIMITED TO 2,800 FEET.

REV	DATE	BY	DESCRIPTION
0	2/8/12	WT	ISSUED FOR CONSTRUCTION



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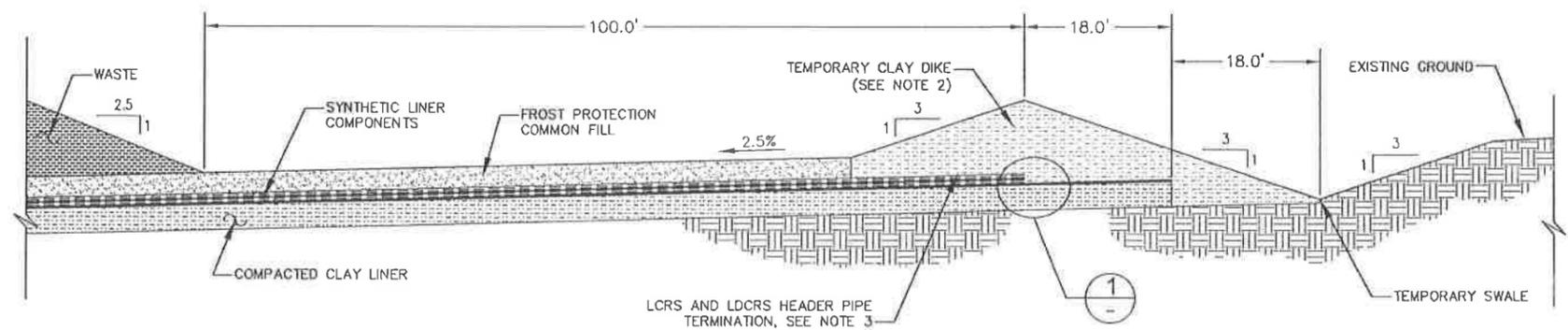
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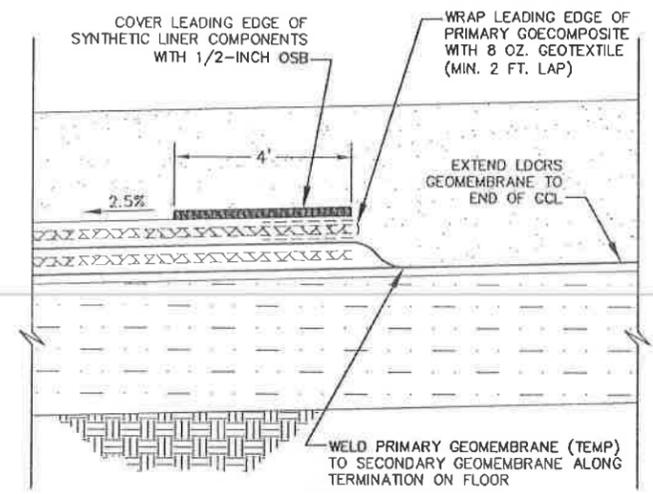
PROJECT NAME  
CELL 16 LANDFILL UNIT  
GRANDVIEW, IDAHO

CONSTRUCTION PHASING  
AND WASTE PLACEMENT

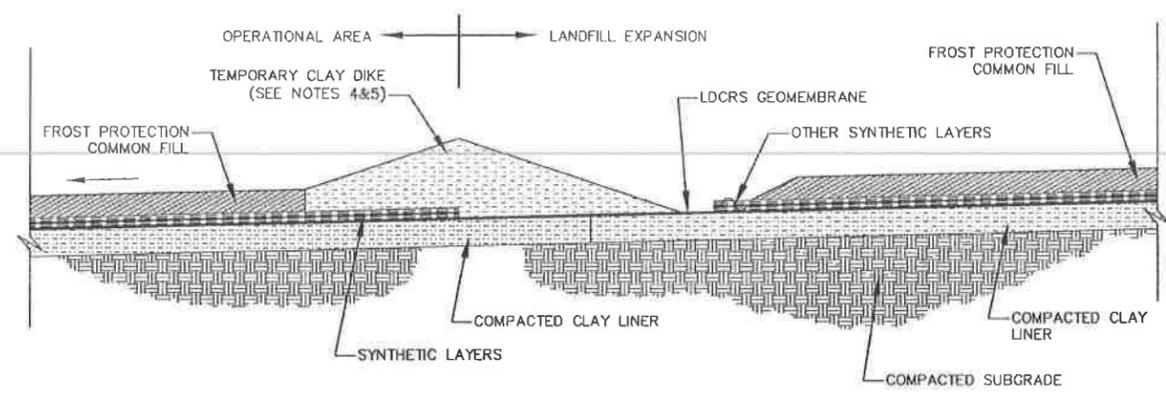
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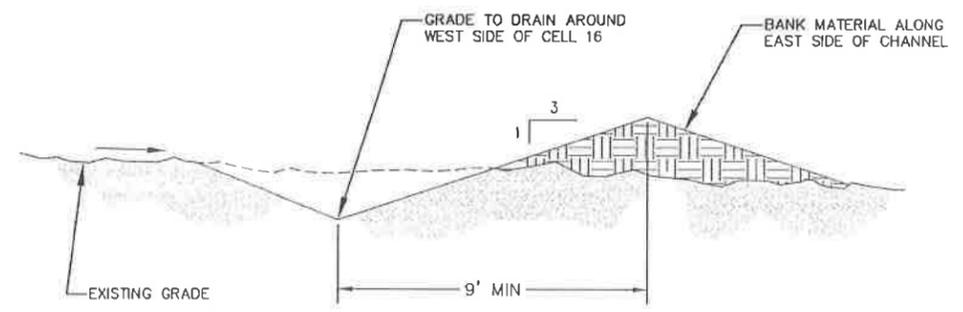
TYPICAL PHASE TERMINATION (B) 04  
N.T.S.



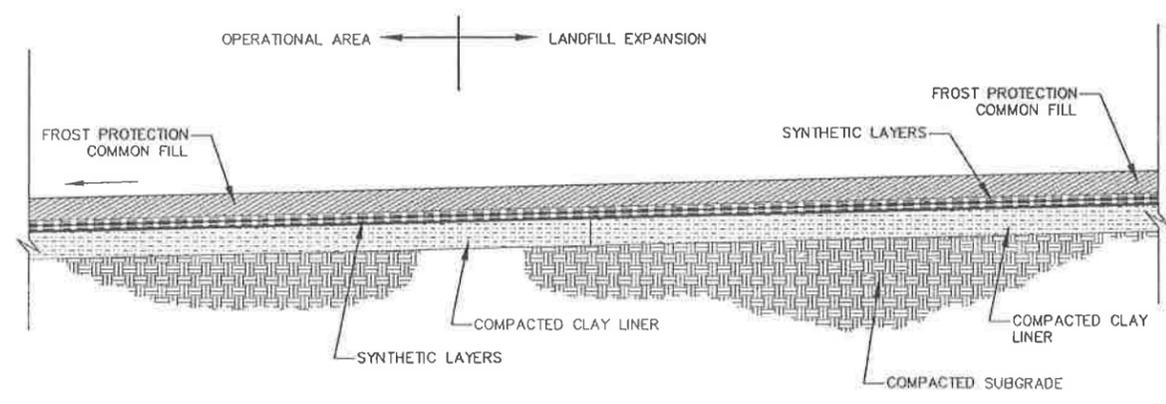
SYNTHETIC LINER TERMINATION (1) 04  
N.T.S.



INTERIM LINER TIE-IN (C) 04  
N.T.S.



TEMPORARY CHANNEL (E) 04  
N.T.S.



COMPLETED LINER TIE-IN (D) 04  
N.T.S.

- NOTES:
1. WASTE PILE IS SET BACK AT LEAST 100 FEET FROM THE TEMPORARY CLAY DIKE CREST ON THE SOUTH END OF THE CELL.
  2. CREST OF TEMPORARY CLAY DIKE CONSTRUCTED TO AN ELEVATION AT LEAST 9 FEET ABOVE THE LCRS HEADER PIPE INVERT, MEASURED NEAR THE LINER TERMINATION.
  3. EXTEND LDCRS HEADER PIPE TO WITHIN 10± FEET OF THE SYNTHETIC LINER TERMINATION. EXTEND LDCRS HEADER PIPE TO WITHIN 5± FEET OF THE SYNTHETIC LINER TERMINATION. COVER PIPE ENDS WITH A TEMPORARY BLIND FLANGE.
  4. DURING CONSTRUCTION THE CONTRACTOR IS RESPONSIBLE FOR PREVENTING STORM RELATED RUN-OFF FROM ENTERING THE OPERATIONAL AREA OF THE LANDFILL. THE CONTRACTOR MUST BE EQUIPPED TO REMOVE RUN-OFF GENERATED WITHIN THE CONSTRUCTION EXPANSION AREA.
  5. REMOVAL OF THE TEMPORARY CLAY DIKE AND SUBSEQUENT TIE-IN WITH THE LDCRS & LCRS GEOCOMPOSITE LAYERS SHALL NOT OCCUR UNTIL SUFFICIENT FROST PROTECTION MATERIALS ARE IN PLACE, AS APPROVED BY THE ENGINEER.

REV	DATE	BY	DESCRIPTION
0	2/8/12	WJT	ISSUED FOR CONSTRUCTION



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DRAWN BY VJT	CHECKED BY RWH	PROJECT NUMBER 07B-G1654
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PROJECT NAME  
CELL 16 LANDFILL UNIT  
GRANDVIEW, IDAHO  
**INTERIM STORM WATER CONTROL DETAILS**

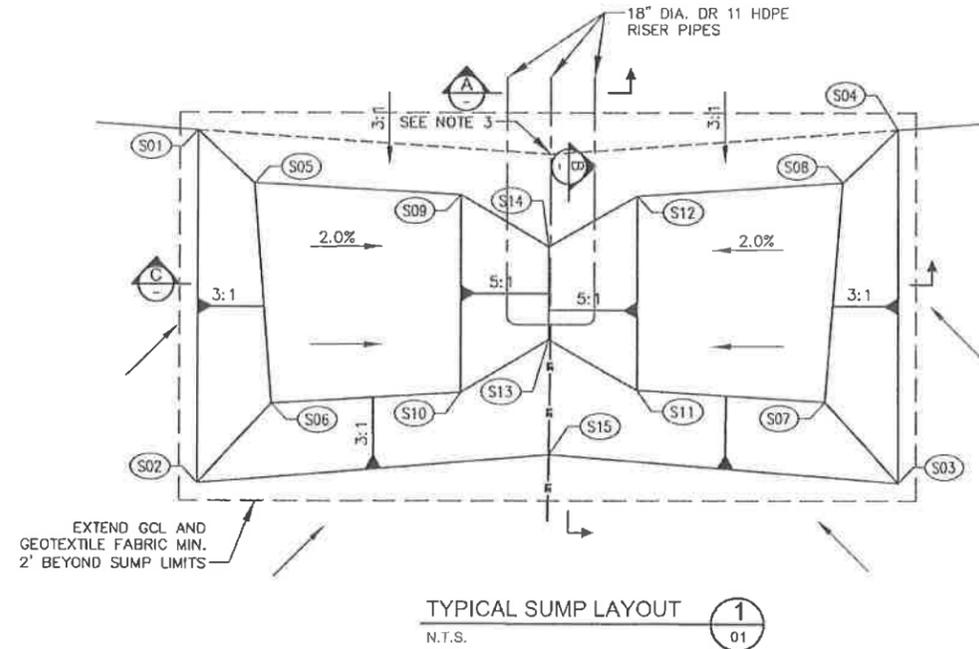
DRAWING NUMBER 16-11-05	REV B
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SUBCELL 16-2 SUMP COORDINATES			
POINT ID.	NORTHING (FT)	EASTING (FT)	ELEVATION* (FT)
S01	511,214.95	360,864.05	2,550.23
S02	511,174.95	360,864.05	2,551.21
S03	511,174.95	360,944.05	2,551.17
S04	511,215.03	360,944.05	2,550.15
S05	511,208.97	360,870.49	2,548.23
S06	511,183.99	360,872.44	2,548.19
S07	511,184.15	360,935.57	2,548.11
S08	511,209.00	360,937.59	2,548.15
S09	511,207.66	360,894.05	2,547.76
S10	511,185.25	360,894.05	2,547.76
S11	511,185.47	360,914.05	2,547.68
S12	511,207.49	360,914.05	2,547.68
S13	511,191.24	360,904.05	2,545.76
S14	511,201.70	360,904.05	2,545.76
S15	511,178.19	360,904.12	2,550.11

\*ELEVATIONS REFER TO TOP OF LCRS GEOMEMBRANE

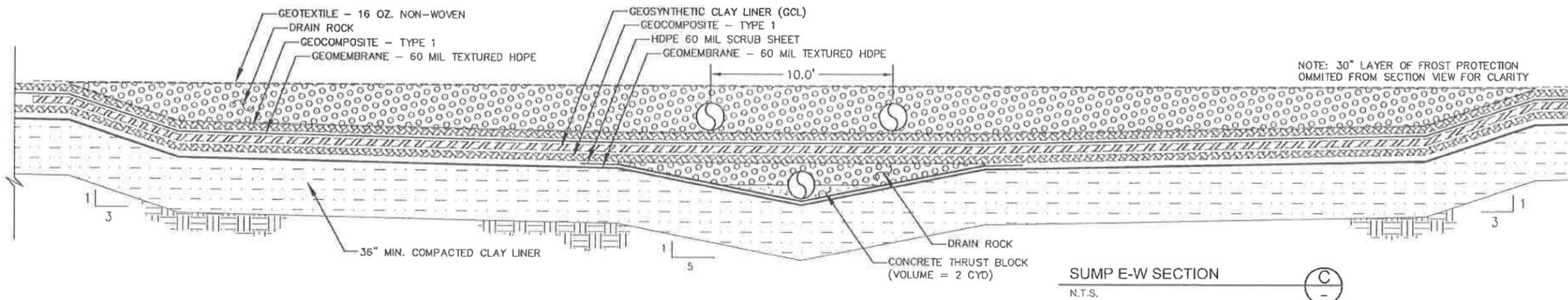
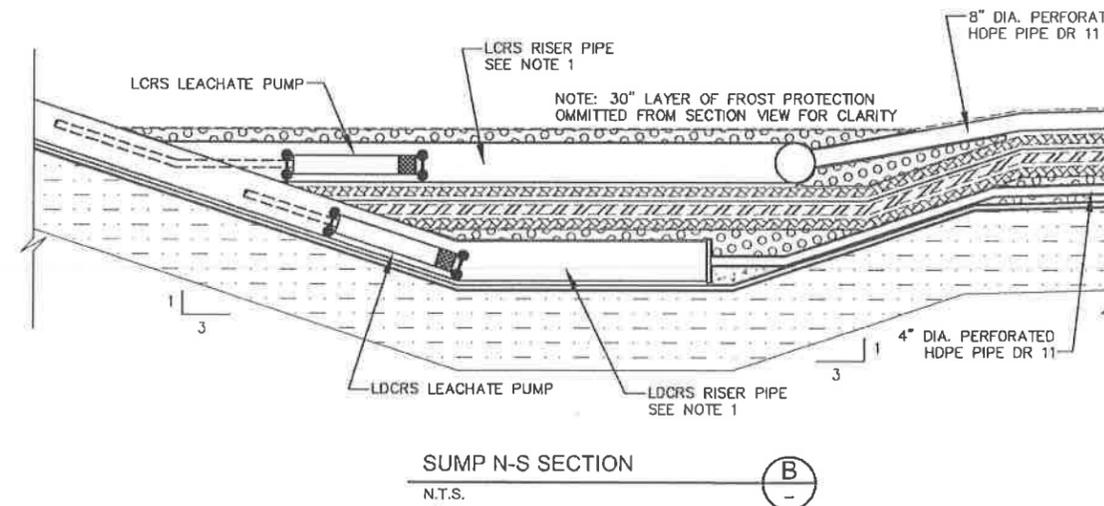
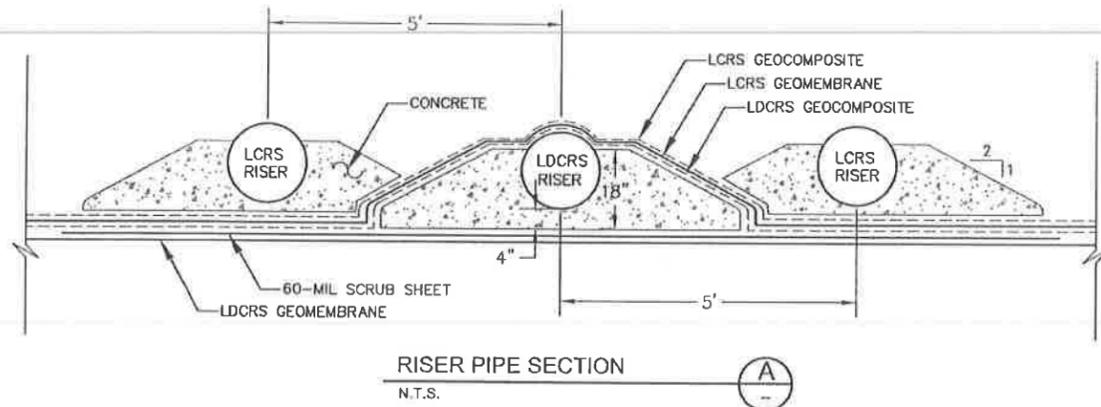
SUBCELL 16-1 SUMP COORDINATES			
POINT ID.	NORTHING (FT)	EASTING (FT)	ELEVATION* (FT)
S01	511,217.05	361,358.40	2,550.23
S02	511,177.05	361,358.40	2,551.21
S03	511,177.05	361,438.40	2,551.17
S04	511,217.14	361,438.40	2,550.15
S05	511,211.08	361,364.84	2,548.23
S06	511,186.09	361,366.79	2,548.19
S07	511,186.25	361,429.91	2,548.11
S08	511,211.11	361,431.94	2,548.15
S09	511,209.76	361,388.40	2,547.76
S10	511,187.36	361,388.40	2,547.76
S11	511,187.57	361,408.40	2,547.68
S12	511,209.60	361,408.40	2,547.68
S13	511,193.34	361,398.40	2,545.76
S14	511,203.81	361,398.40	2,545.76
S15	511,180.30	361,398.47	2,550.11

\*ELEVATIONS REFER TO TOP OF LCRS GEOMEMBRANE



**NOTES:**

1. LOWER PORTIONS OF LCRS AND LCERS RISER PIPES, LOCATED WITHIN THE SUMP, TO BE PERFORATED IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
2. INSTALL ALL LEACHATE PUMPS DURING THE INITIAL PHASE OF CONSTRUCTION.
3. LEADER INDICATES LOCATION OF POINT L12 & L14 FROM SHEET 02 WHICH IS SHOWN FOR CLARITY ONLY. THESE POINTS IMPOSE IMAGINARY GRADE BREAKS AT THIS LOCATION.



REV	DATE	BY	DESCRIPTION
0	2/8/12	WJT	ISSUED FOR CONSTRUCTION



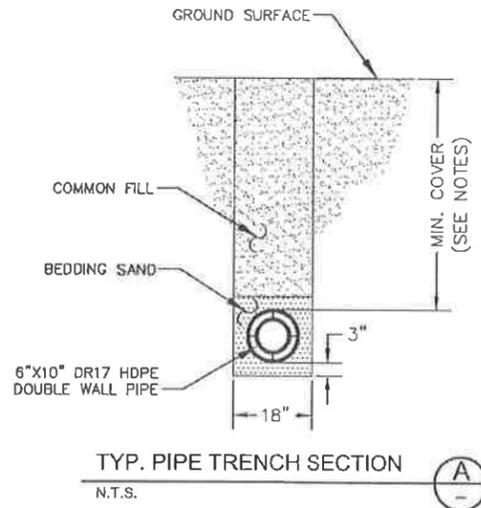
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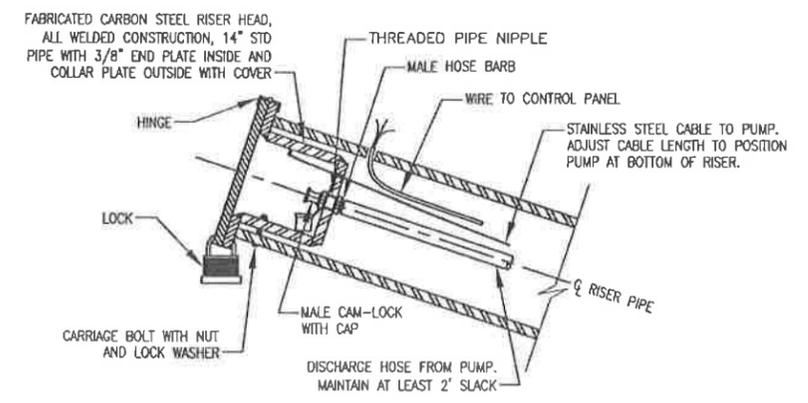
DRAWN BY WJT	CHECKED BY RWH	PROJECT NUMBER 07B-G1654
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PROJECT NAME  
CELL 16 LANDFILL UNIT  
GRANDVIEW, IDAHO  
SUMPS AND RISERS  
SECTIONS AND DETAILS

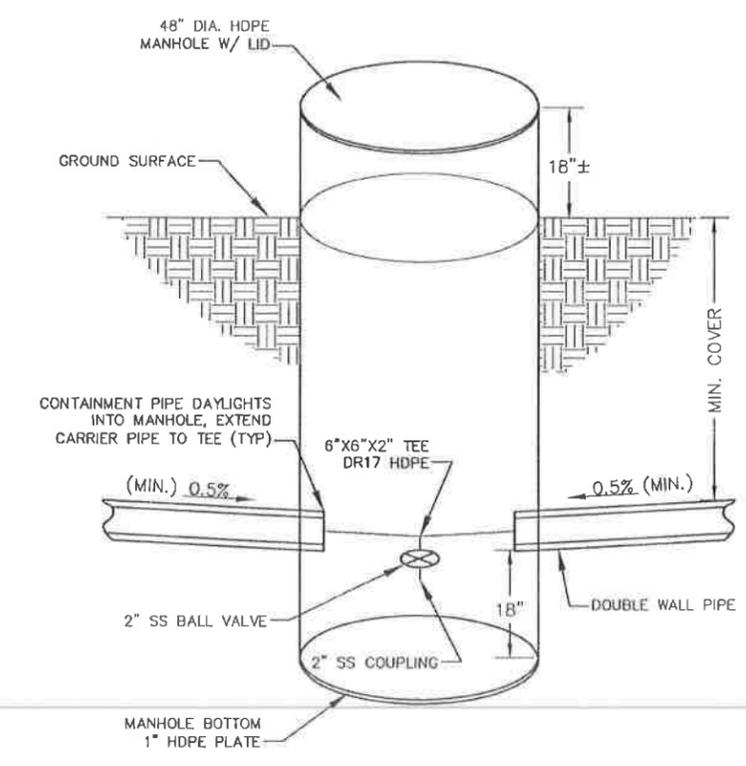
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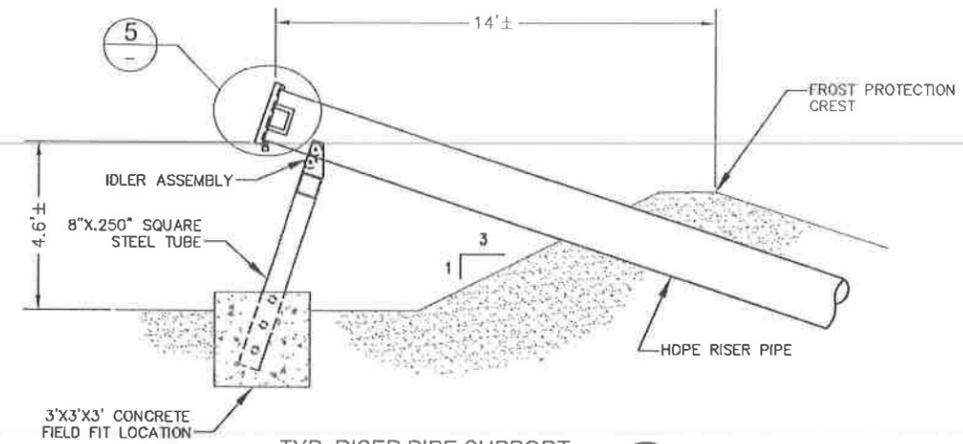
TYP. PIPE TRENCH SECTION (A)  
N.T.S.



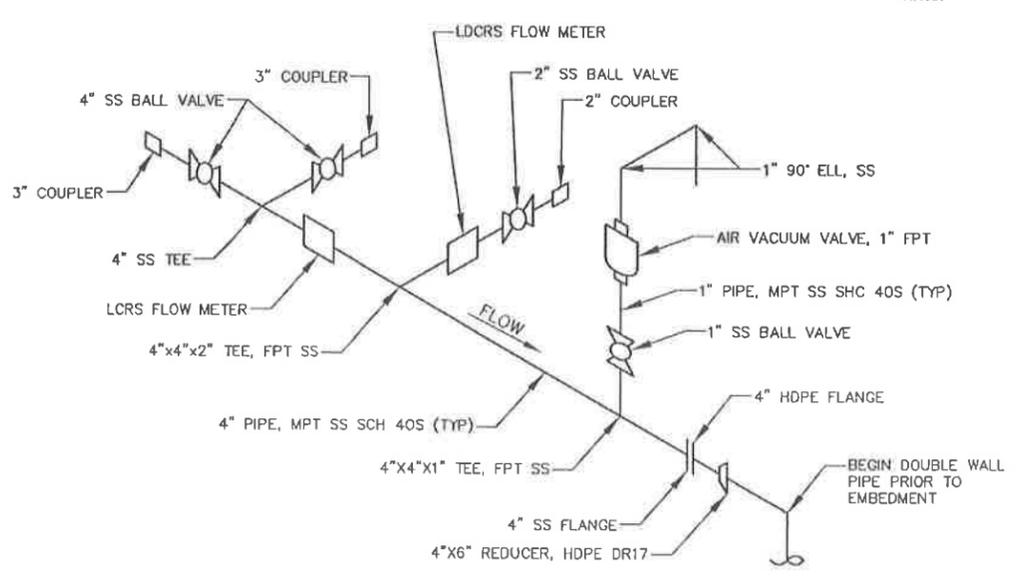
TYPICAL RISER PIPE HOOK-UP (5)  
N.T.S.



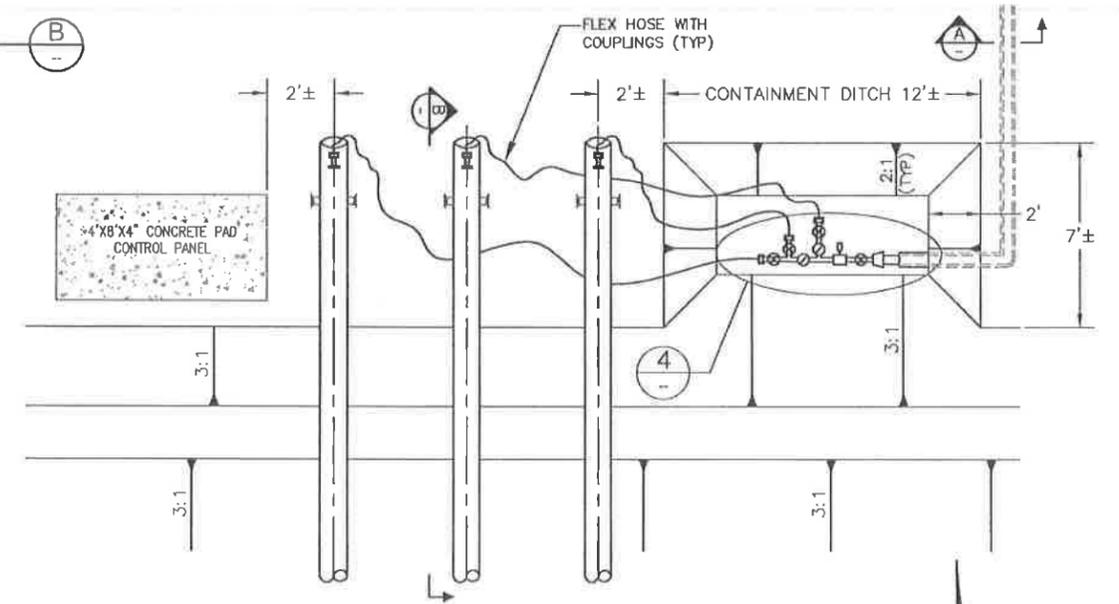
LEACHATE PIPE MANHOLE ACCESS (3)  
N.T.S.



TYP. RISER PIPE SUPPORT (B)  
N.T.S.



LEACHATE PIPE HARDWARE (4)  
N.T.S.



TYPICAL RISER / LEACHATE PIPE CONNECTION (2)  
N.T.S.

- NOTES:**
1. DOUBLE WALL LEACHATE PIPE TO MAINTAIN MINIMUM COVER OF 36 INCHES BENEATH ROADWAYS, 28 INCHES ELSEWHERE.
  2. PROVIDE AS-BUILT SURVEY COORDINATES FOR BURIED LEACHATE PIPE AT ALL HINGE POINTS AND AT A MINIMUM SPACING OF 100 FEET ON CENTER.
  3. DOUBLE WALL LEACHATE PIPE TO MAINTAIN POSITIVE DRAINAGE TOWARDS MANHOLE AT ALL TIMES.
  4. MANHOLE PROVIDES SECONDARY CONTAINMENT, BASE AND SIDEWALL PENETRATIONS MUST BE SEALED.
  5. ORIENT 4-INCH VALVE AND COUPLER INSIDE OF MANHOLE TO ALLOW FOR MAINTENANCE ACCESS AND PIPE DRAINAGE.
  6. PROVIDE FLEX HOSE AND COUPLINGS FOR EACH RISER.
  7. UPON INSTALLATION, THE 6-INCH CARRIER PIPE TO BE PRESSURE TESTED AT 80 PSI OVER A 24 HOUR PERIOD. THE 10-INCH CONTAINMENT PIPE TO BE PRESSURE TESTED AT 5 PSI OVER A 24 HOUR PERIOD.

REV	DATE	BY	DESCRIPTION
0	2/8/12	VJT	ISSUED FOR CONSTRUCTION



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PROJECT NUMBER: 07B-G1654

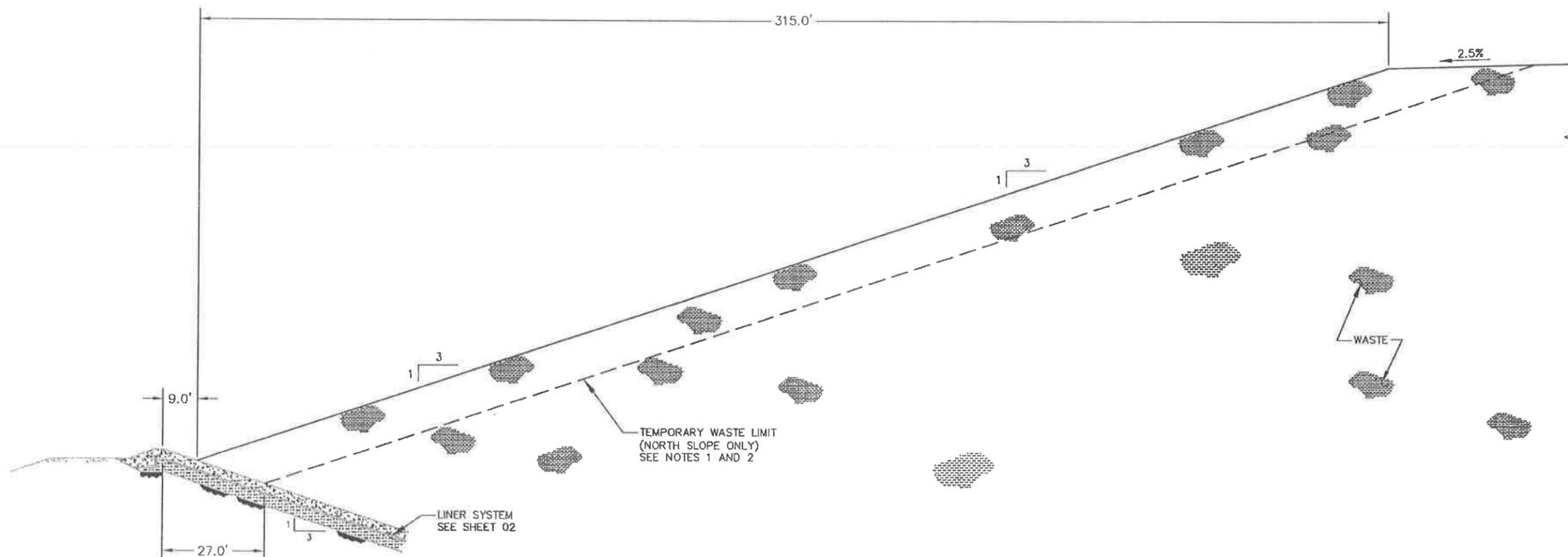
PROJECT NAME: CELL 16 LANDFILL UNIT GRANDVIEW, IDAHO  
LEACHATE PIPE SECTIONS AND DETAILS

DRAWING NUMBER: 16-11-07  
REV: B

CELL 16 DESIGN CAPACITY (Reduced for 30" Clean Frost Protection)	
LENGTH (ft)	ESTIMATED WASTE CAPACITY (cyd)
INITIAL PHASE 900 ft (assumed)	2,022,200
INTERIM PHASES per additional 100 ft	433,700
MAXIMUM PHASE 2800 ft (total)	10,262,500

**NOTES:**

1. WASTE PLACEMENT ALONG THE NORTH PERIMETER OF CELL 16 SHALL BE TEMPORARILY SET-BACK AT LEAST 27 FEET FROM THE LINER CREST, TO PROVIDE CONTAINMENT OF POTENTIAL STORM WATER RUN-OFF.
2. FINAL WASTE PLACEMENT ALONG THE NORTH SLOPE SHOULD OCCUR NEAR COMPLETION OF THE MAXIMUM PHASE, PRIOR TO CLOSURE.
3. INSTALL 18" DIAMETER CORRUGATED CULVERTS AT EACH DRAIN CHANNEL CROSSING DURING CONSTRUCTION OF TEMPORARY ACCESS ROADS.



TYPICAL WASTE PLACEMENT (A)  
N.T.S. 04

REV	DATE	BY	DESCRIPTION
0	2/9/12	WT	ISSUED FOR CONSTRUCTION



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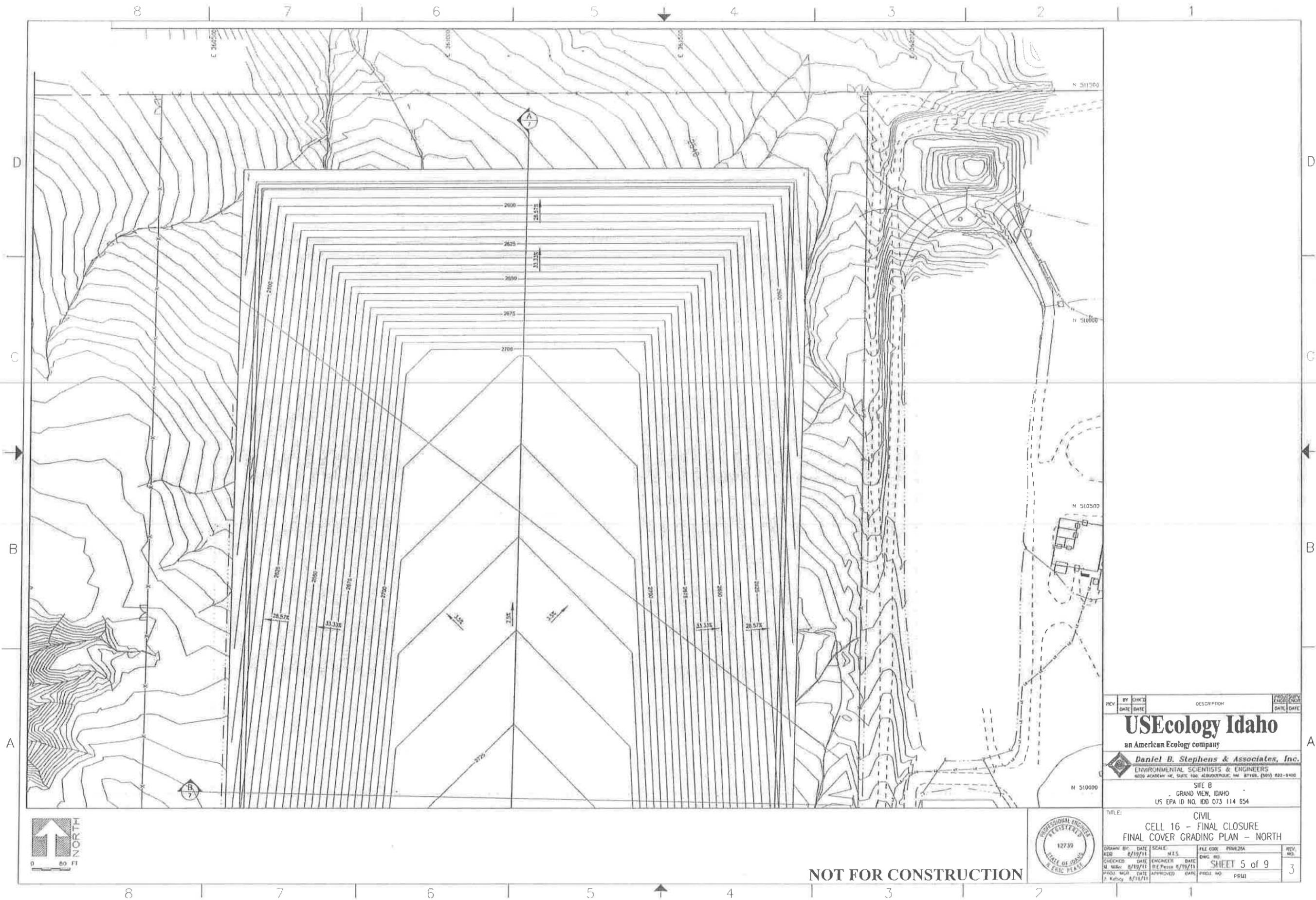
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DRAWN BY: VJT    CHECKED BY: RWH    PROJECT NUMBER: 07B-G1654

PROJECT NAME: CELL 16 LANDFILL UNIT, GRANDVIEW, IDAHO

WASTE PLACEMENT SECTIONS AND DETAILS

DRAWING NUMBER: 16-11-08    REV: B



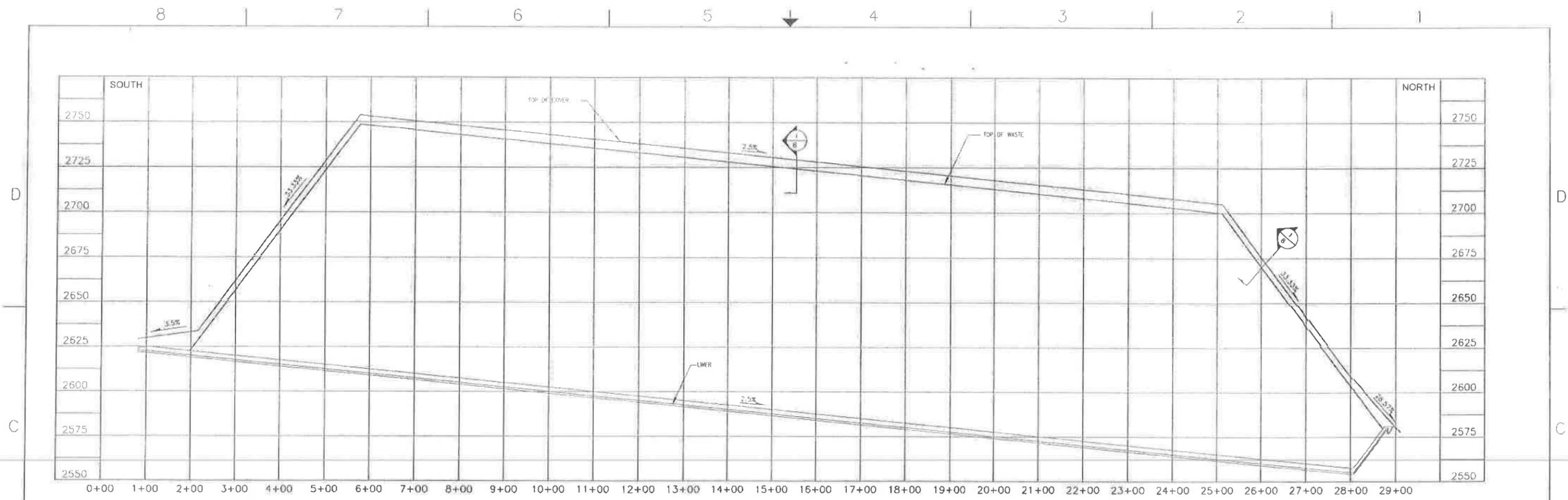
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<b>USEcology Idaho</b> an American Ecology company  <b>Daniel B. Stephens &amp; Associates, Inc.</b> ENVIRONMENTAL SCIENTISTS & ENGINEERS <small>4120 ACADAMY HE, SUITE 100, ALBUQUERQUE, NM 87103 (505) 822-9400</small>					
SITE B GRAND VIEW, IDAHO US EPA ID NO. IDD 073 114 654					
TITLE: CIVIL CELL 16 - FINAL CLOSURE FINAL COVER GRADING PLAN - NORTH					
DRAWN BY	DATE	SCALE	FILE CODE	REV. NO.	
PER	8/19/11	N.T.S.	994625A		
CHECKED	DATE	ENGINEER	DATE	DATE	
M. M. R.	8/19/11	D.E. Pesser	8/19/11		
PROJ. MGR.	DATE	APPROVED	DATE	DATE	
P. Kelsey	8/19/11				



**NOT FOR CONSTRUCTION**

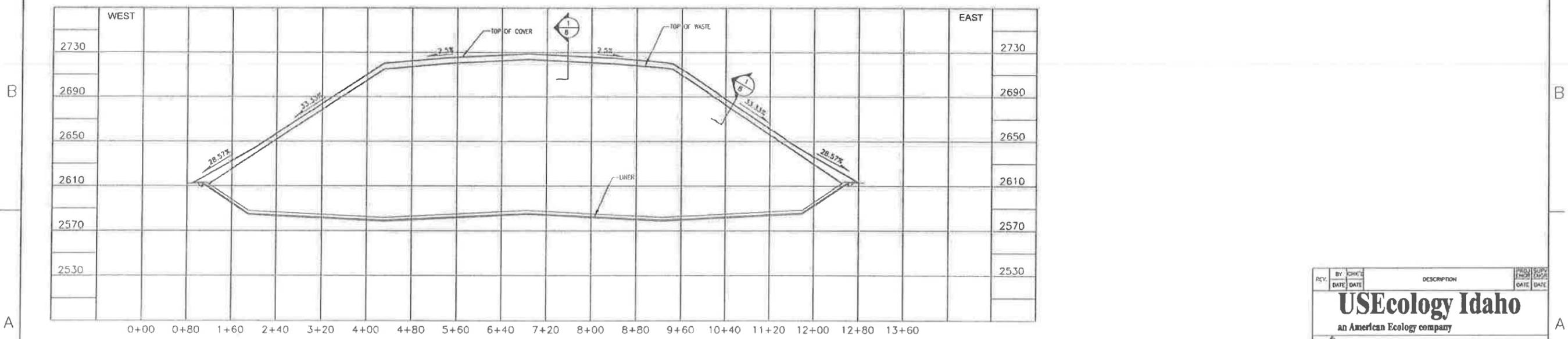
SHEET 5 of 9  
3





NOTE: VERTICAL EXAGGERATION x4

CROSS SECTION A  
 HORIZONTAL SCALE: 1"=100'  
 VERTICAL SCALE: 1"=25'



NOTE: VERTICAL EXAGGERATION x4

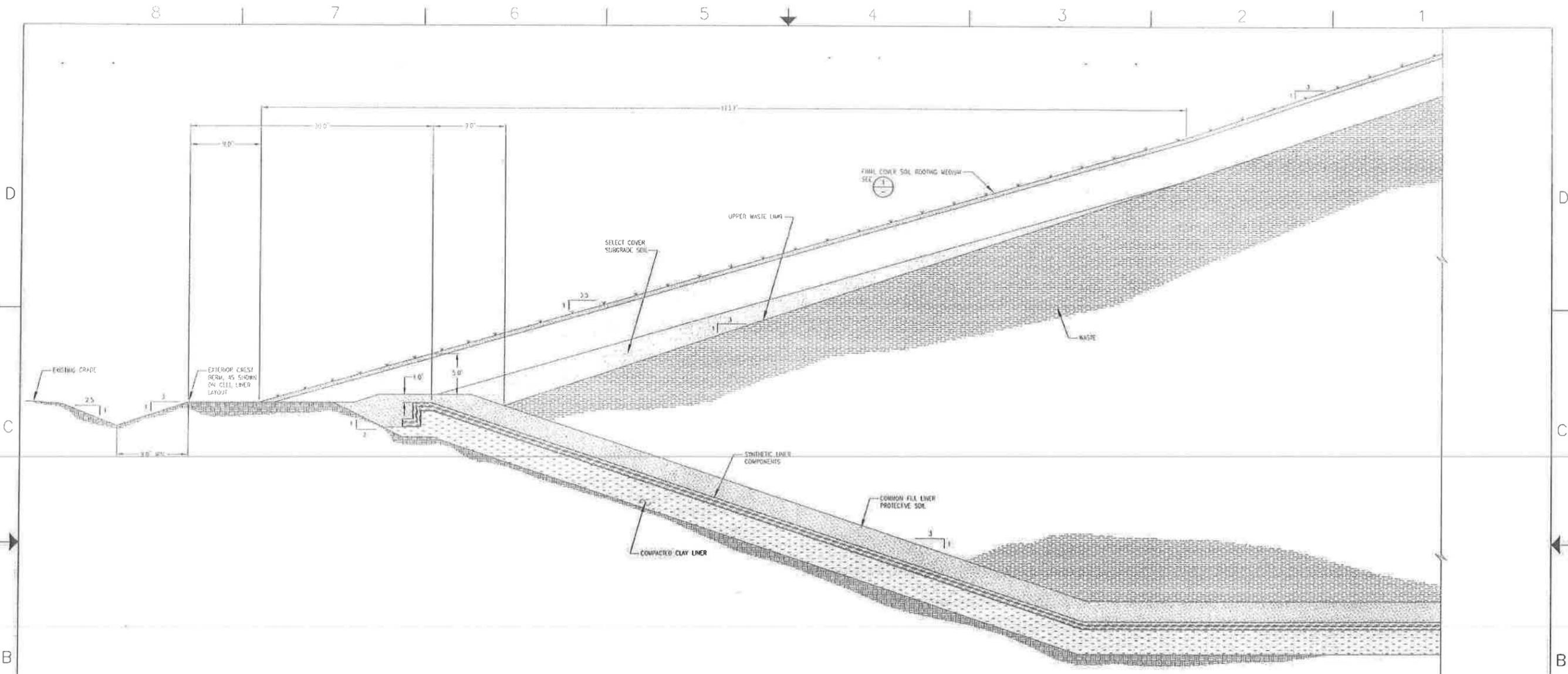
CROSS SECTION B  
 HORIZONTAL SCALE: 1"=100'  
 VERTICAL SCALE: 1"=25'



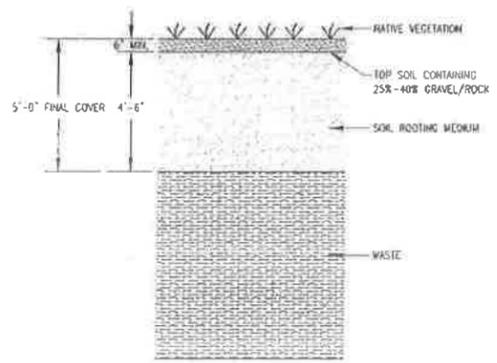
REV. NO.	DATE	DESCRIPTION	PROJ. NO.	DATE
1	8/19/11	USEcology Idaho	PRG208	
<b>USEcology Idaho</b> an American Ecology company <b>Daniel B. Stephens &amp; Associates, Inc.</b> ENVIRONMENTAL SCIENTISTS & ENGINEERS <small>8330 ACADAMY BL. SUITE 100 ALBUQUERQUE, NM 87109 (505) 832-8400</small>				
SITE B GRAND VIEW, IDAHO US EPA ID NO. 100 073 114 654				
TITLE: CIVIL CELL 16 - FINAL CLOSURE TYPICAL CROSS SECTIONS				
DRAWN BY:	DATE:	SCALE:	FILE CODE:	REV. NO.
ADD	8/19/11	N.E.S.	PRG208	1
CHECKED BY:	DATE:	ENGINEER:	DWG. NO.:	
M. G. B.	8/19/11	D.B.S.	PRG208	
PROJECT MGR.:	DATE:	APPROVED:	PROJECT NO.:	PRJ. NO.
T. Kelley	8/19/11			

NOT FOR CONSTRUCTION

SHEET 7 of 9



TYPICAL FINAL COVER SECTION (2)  
N.T.S.



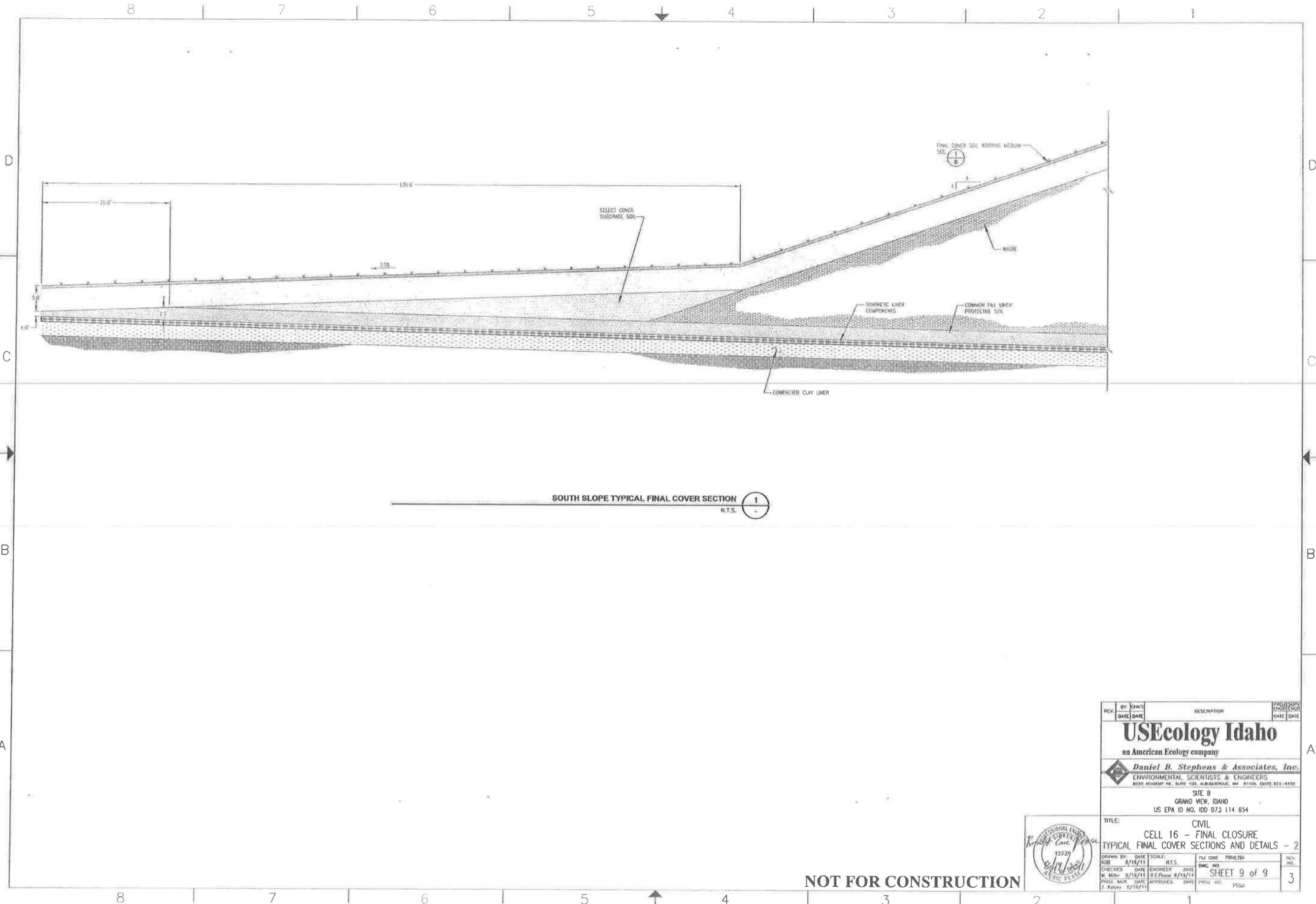
EVAPOTRANSPIRATION FINAL COVER SCHEMATIC (1)  
N.T.S.

NOTE:  
1. BONDED FIBER MATRIX OR EROSION CONTROL BLANKET APPLIED TO SURFACE FOR TEMPORARY (1-YEAR) STABILIZATION TO PROMOTE ESTABLISHING VEGETATION.

NOT FOR CONSTRUCTION

REV.	BY	CHKD	DATE	DATE	DESCRIPTION	PROJECT	ENG	DATE
<b>USEcology Idaho</b> an American Ecology company								
<b>Daniel B. Stephens &amp; Associates, Inc.</b> ENVIRONMENTAL SCIENTISTS & ENGINEERS REGD. ACADEMY RD., SUITE 100, ALBUQUERQUE, NM 87106, (505) 883-8400								
SITE 8 GRAND VIEW, IDAHO US EPA ID NO. IDD 073 114 654								
TITLE: CIVIL CELL 16 - FINAL CLOSURE TYPICAL FINAL COVER SECTIONS AND DETAILS - 1								
DRWN BY:	DATE:	SCALE:	N.T.S.	FILE:	DATE:	PROJ. NO.:	PRJ. NO.:	REV. NO.:
CHECKED:	DATE:	ENGINEER:	DATE:	DRWG. NO.:	DATE:			3
PROJ. MGR.:	DATE:	APPROVED:	DATE:					





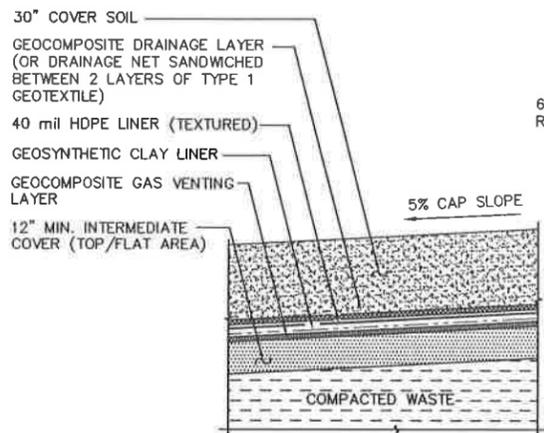
SOUTH SLOPE TYPICAL FINAL COVER SECTION 1  
N.T.S.

REV.	BY	CHKD.	DATE	DATE	DESCRIPTION	PROJECT NO.	DATE
<b>USEcology Idaho</b> an American Ecology company <b>Daniel B. Stephens &amp; Associates, Inc.</b> ENVIRONMENTAL SCIENTISTS & ENGINEERS 8020 ROBERTS BLVD. SUITE 100, BOZEMAN, MONTANA 59718 (406) 528-4400							
SITE B GRAND VIEW, IDAHO US EPA ID NO. 100 073 114 654							
TITLE: CIVIL CELL 16 - FINAL CLOSURE TYPICAL FINAL COVER SECTIONS AND DETAILS - 2							
DRAWN BY:	DATE:	SCALE:	FILE CODE:	PIR/284	REV.		
CHKD:	8/19/11	1:1	DWG. NO.		NO.		
ENGR.:	8/19/11	8/19/11	SHEET	9 of 9	3		
APPROVED:	DATE:	DATE:	DATE:	DATE:	DATE:		

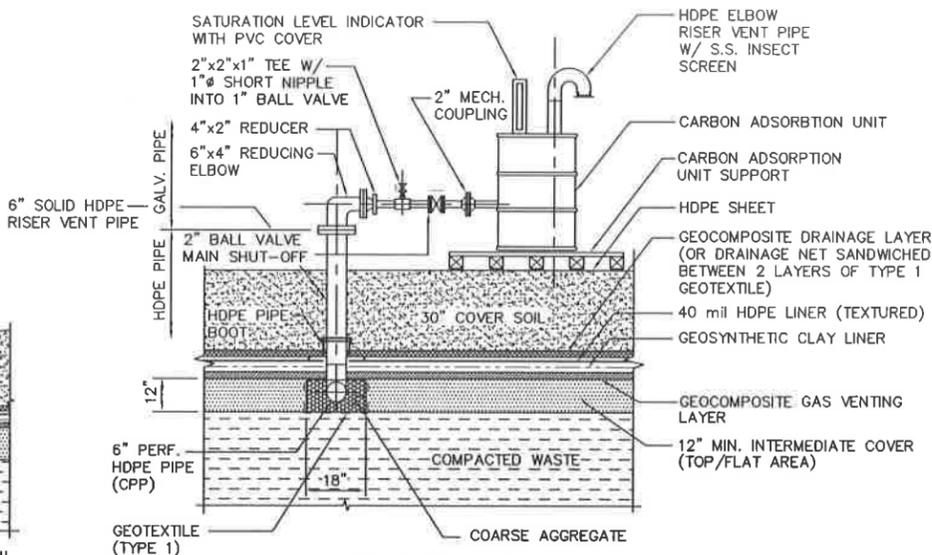


NOT FOR CONSTRUCTION

PROJ. NO. PRM-128  
 DWG. NO. PRM-128

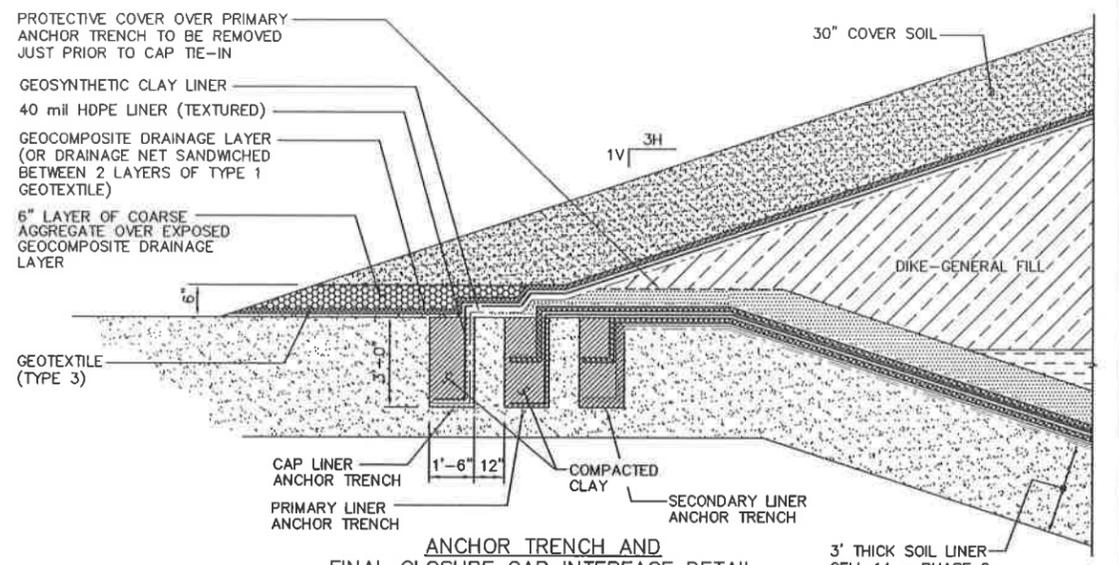


TYPICAL FINAL CLOSURE CAP SYSTEM DETAIL (TOP/FLAT AREA)



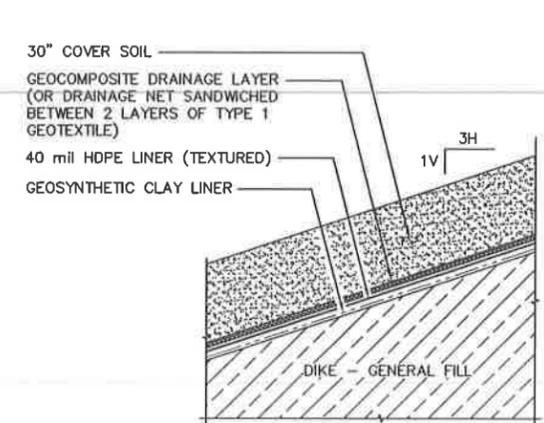
TYPICAL FINAL CLOSURE CAP SYSTEM GAS VENTING SYSTEM DETAIL

DETAIL 7  
 SCALE: N.T.S.

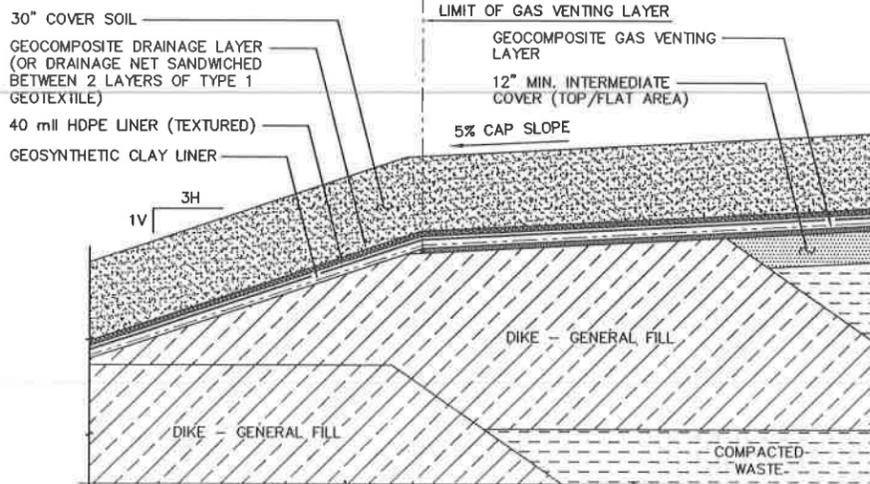


ANCHOR TRENCH AND FINAL CLOSURE CAP INTERFACE DETAIL

DETAIL 9  
 SCALE: N.T.S.

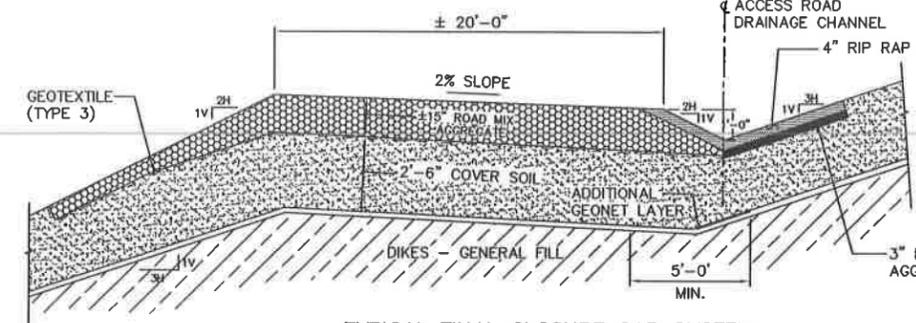


TYPICAL FINAL CLOSURE CAP SYSTEM DETAIL (3H:1V SIDE SLOPES)



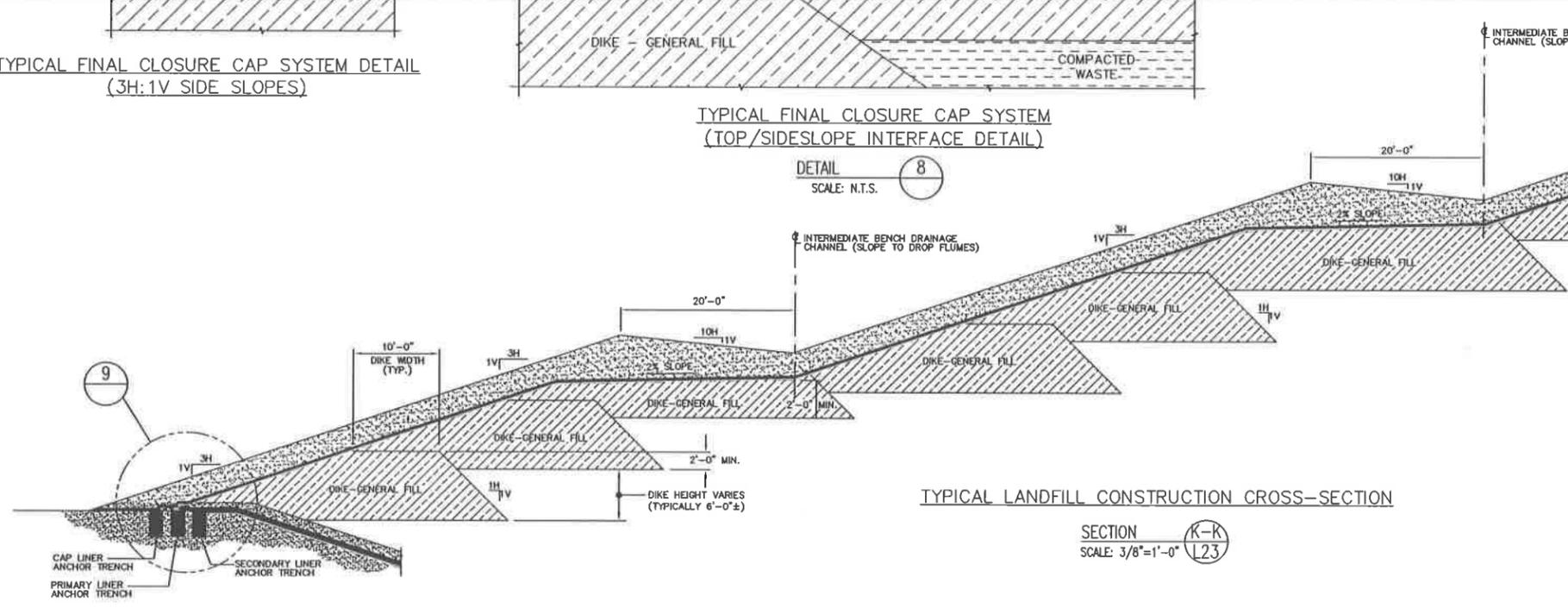
TYPICAL FINAL CLOSURE CAP SYSTEM (TOP/SIDESLOPE INTERFACE DETAIL)

DETAIL 8  
 SCALE: N.T.S.



TYPICAL FINAL CLOSURE CAP SYSTEM CROSS-SECTION AT ACCESS ROAD

SECTION L-1  
 SCALE: 3/8"=1'-0"



TYPICAL LANDFILL CONSTRUCTION CROSS-SECTION

SECTION K-K  
 SCALE: 3/8"=1'-0"

REV.	BY	CHK'D	DATE	DESCRIPTION	PROJ. MGR.	DATE
B	MM		4/23/03	2003 PERMIT RENEWAL		
A	MK		7/14/98	ISSUED FOR PART B PERMIT RENEWAL APPLICATION		

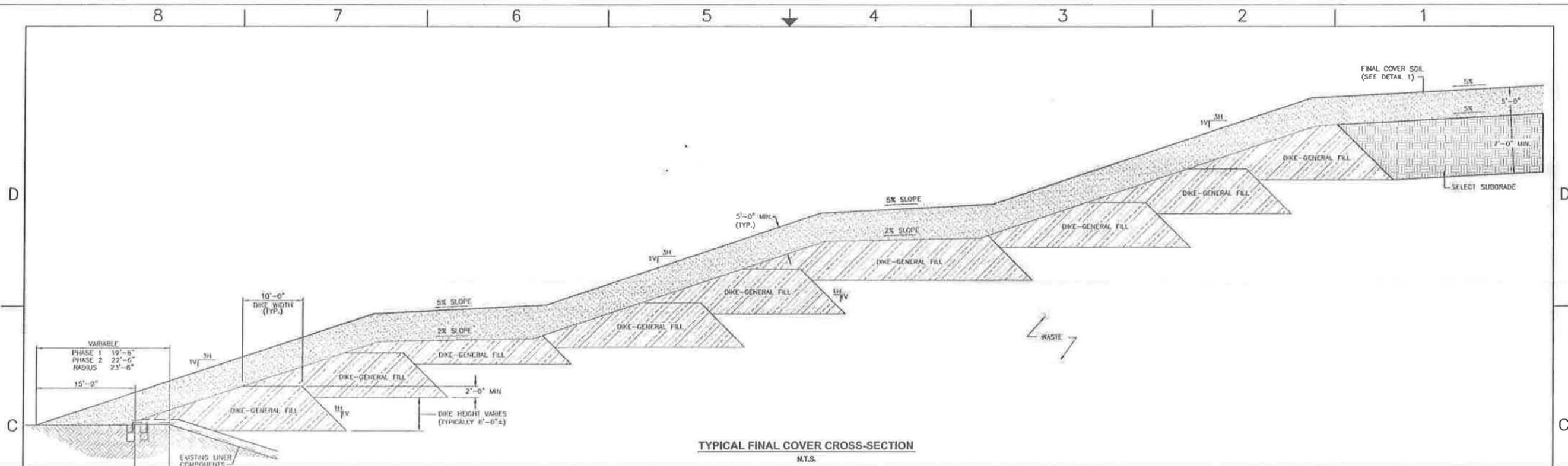
**USEcology Idaho**  
 an American Ecology company

SITE B  
 GRAND VIEW, IDAHO  
 US EPA ID NO. IDD 073 114 654

TITLE: CIVIL  
 CELL 14 - FINAL CLOSURE  
 TYPICAL CAP SYSTEM SECTIONS AND DETAILS

DRAWN BY:	DATE:	SCALE:	FILE CODE:	PRM-128	REV. NO.:
CHK'D:	DATE:	ENGINEER:	DATE:	DWG. NO.:	
CHECKED:	DATE:	ENGINEER:	DATE:	PRM-128	
PROJ. MGR.:	DATE:	APPROVED:	DATE:	PROJ. NO.:	PRM

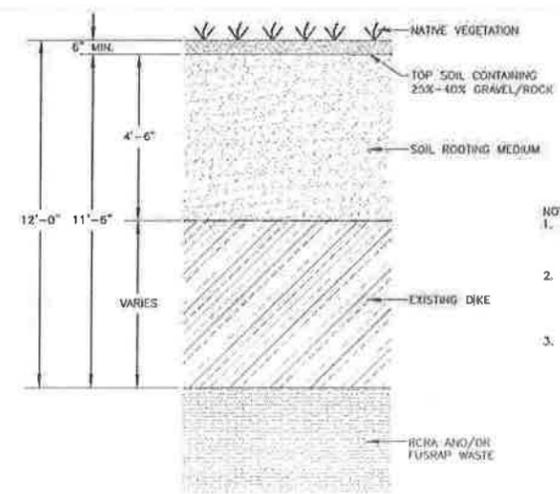
B



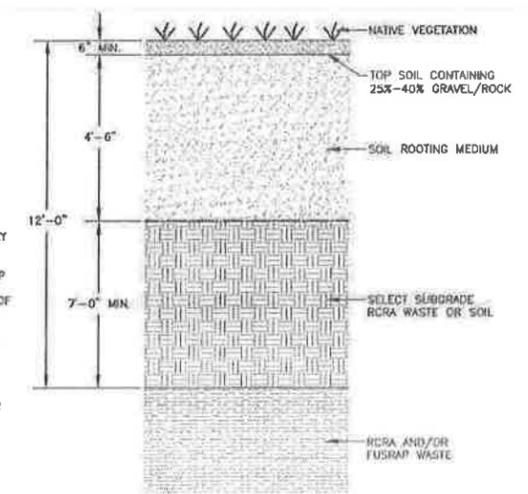
TYPICAL FINAL COVER CROSS-SECTION  
N.T.S.

VARIABLE  
PHASE 1 19'-8"  
PHASE 2 22'-6"  
RADIUS 23'-6"  
15'-0"

VARIABLE  
PHASE 1 4'-6"  
PHASE 2 7'-6"  
RADIUS 8'-6" (ON NORTH SIDE OF  
SUBCELL 14-1, EXTENDING 25'  
BEYOND END OF CURVE)



SIDE SLOPE



TOP DECK

- NOTES:
1. BONDED FIBER MATRIX OR EROSION CONTROL BLANKET APPLIED TO SURFACE FOR TEMPORARY (1-YEAR) STABILIZATION TO PROMOTE ESTABLISHING VEGETATION.
  2. SIDE SLOPES EXISTING DIKES AND NON-FUSRAP WASTE ARE PLACED WITH MINIMUM 8.31-FOOT THICKNESS. MINIMUM SOIL COVER THICKNESS OF 3.5 FEET NEEDED TO MEET 11.81-FOOT (3.6 METER) RADON BARRIER REQUIREMENT.
  3. TOP DECK: SELECT RCRA NON-FUSRAP WASTE OR SOIL TO BE PLACED WITH MINIMUM 7.0-FOOT THICKNESS. MINIMUM SOIL COVER THICKNESS OF 5.0 FEET NEEDED TO MEET 11.81-FOOT (3.6 METER) RADON BARRIER REQUIREMENT AND EVAPOTRANSPIRATION COVER PERFORMANCE.

CELL 14 EVAPOTRANSPIRATION FINAL COVER SCHEMATIC  
N.T.S.

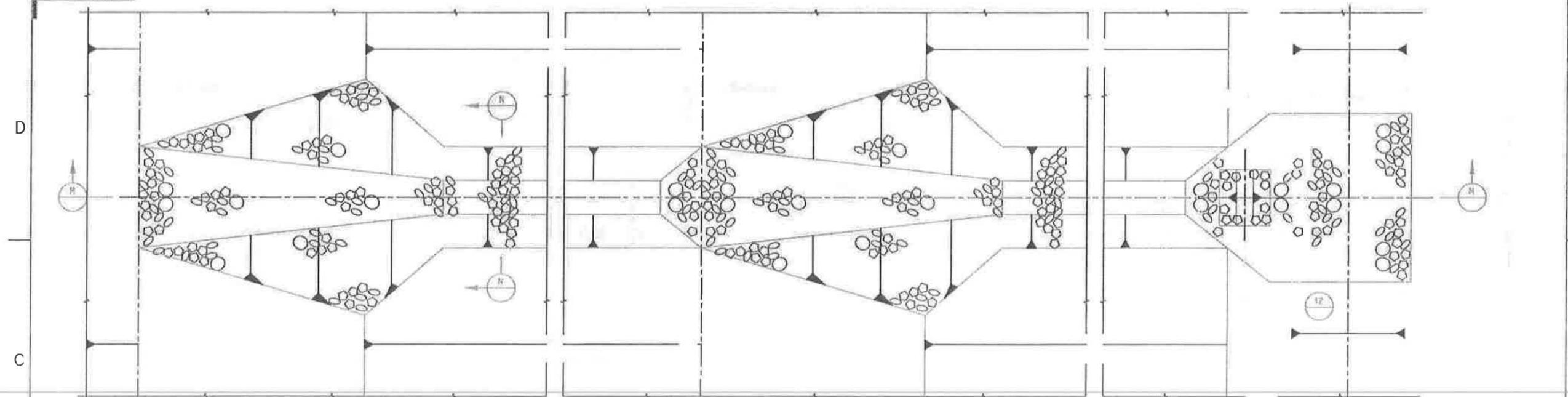
REV.	BY	DATE	DESCRIPTION	DATE
<b>USEcology Idaho</b> an American Ecology company				
<b>Daniel B. Stephens &amp; Associates, Inc.</b> ENVIRONMENTAL SCIENTISTS & ENGINEERS 6000 ACADEMY BL. SUITE 100, ALBUQUERQUE, NM 87106, (505) 882-8400				
SITE B GRAND VIEW, IDAHO US EPA ID NO. IDD 073 114 654				
TITLE: CIVIL CELL 14 - FINAL CLOSURE TYPICAL FINAL COVER SECTION AND DETAILS				
DRAWN BY: J. Kelsey	DATE: 10/25/10	SCALE: AS NOTED	FILE CODE: 1307_0130_079	REV. NO.:
CHECKED BY: J. Kelsey	DATE: 10/25/10	ENGINEER: J. Kelsey	DATE: 10/25/10	SHEET 8 of 9
PROJ. MGR: J. Kelsey	DATE: 10/25/10	APPROVED:	DATE: 10/25/10	PROJ. NO. ES07.0130

NOT FOR CONSTRUCTION



PRM-129  
 DWG. NO.  
 PROJ. NO.

8 7 6 5 4 3 2 1



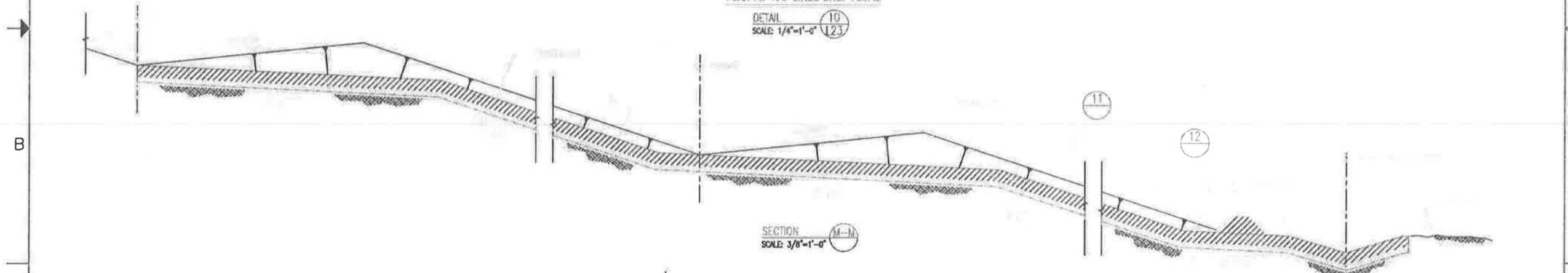
PLAN @ CAP

PLAN @ BENCH

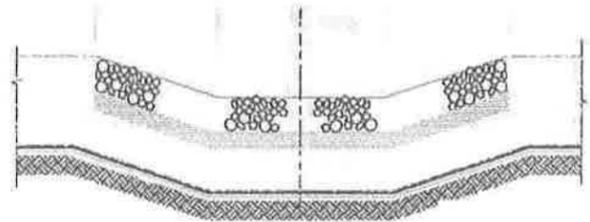
PLAN @ BASE

PLAN- RIP RAP LINED DROP FLUME

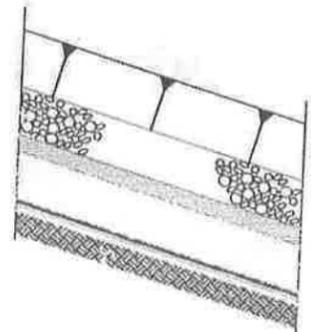
DETAIL 10  
 SCALE: 1/4"=1'-0"



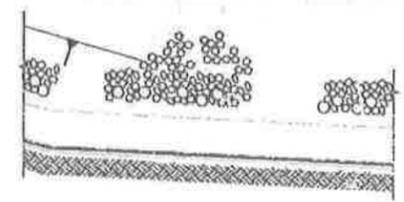
SECTION M-M  
 SCALE: 3/8"=1'-0"



SECTION N-N  
 SCALE: 3/8"=1'-0"



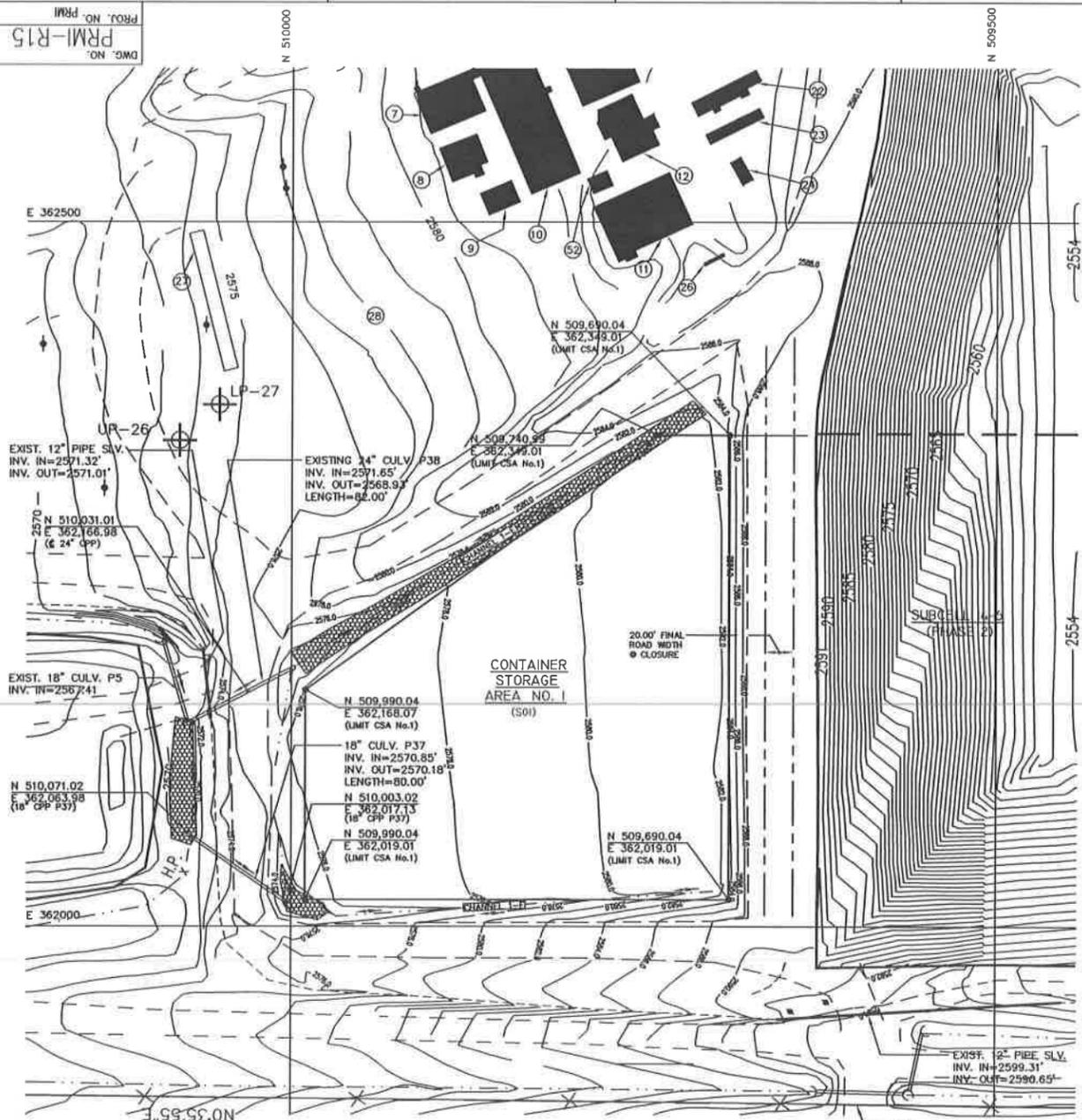
DETAIL 11  
 SCALE: 1/4"=1'-0"



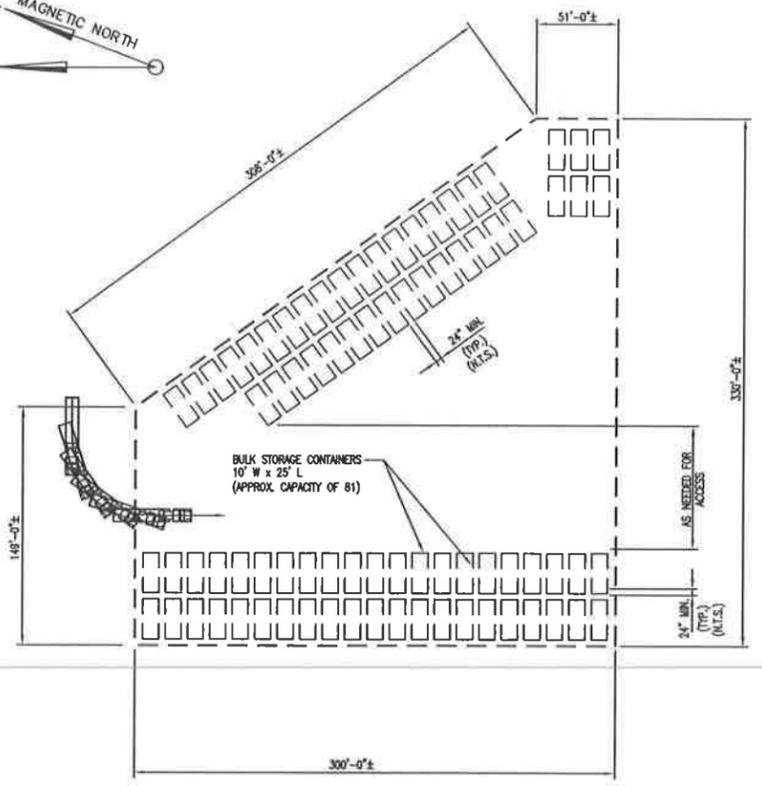
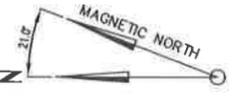
DETAIL 12  
 SCALE: 1/4"=1'-0"

A		ISSUED FOR PERMIT RENEWAL APPLICATION		
REV.	BY	CHK'D	DESCRIPTION	REV. DATE
<b>USEcology Idaho</b> an American Ecology company				
SITE B GRAND VIEW, IDAHO US EPA ID NO. ID0 073 114 054				
TITLE: CML CELL 14 - FINAL CLOSURE TYPICAL CAP DRAINAGE SECTIONS AND DETAILS				
DATE	DATE	SCALE	FILE NO.	PRM/SHA
1/24/08				
CHECKED	DATE	ENGINEER	DATE	DRAW. NO.
				PRM-129
PRM. DRG.	DATE	APPROVED	DATE	PRM. TEL
				PRM

8 7 6 5 4 3 2 1



CONTAINER STORAGE AREA No. 1 - GRADING PLAN  
SCALE: 1" = 50'



DETAIL "1"  
TYPICAL BULK STORAGE CONTAINER AREA No. 1 LAYOUT  
SCALE: 1" = 50'

- NOTES:
- CONTAINER STORAGE AREA No. 1 SHALL BE USED FOR THE STORAGE AND STAGING OF BULK CONTAINERS AS TYPICALLY DEPICTED IN DETAIL "1". BULK CONTAINERS SHALL BE STORED WITH A MINIMUM DISTANCE OF 30 INCHES BETWEEN EVERY CONTAINER AND EVERY TWO ROWS OF CONTAINERS SHALL HAVE A 4 FOOT MIN. ACCESS TO ALLOW EMERGENCY EQUIPMENT ACCESS.
  - DETAIL "1" IS PRESENTED FOR GENERAL ARRANGEMENT ONLY.

- GENERAL NOTES:
- EXISTING SITE TOPOGRAPHY, PHYSICAL FEATURES AND DELINEATIONS OBTAINED FROM AERIAL PHOTOGRAPHY AND SURVEYED DATUM PROVIDED TO ENVIRONMENTAL TECHNOLOGIES BY: J.J. HOWARD ENGINEERING-SURVEYING, 1875-A HILL ROAD, BOISE, IDAHO 83702. DATE OF ORIGINAL SURVEY - NOVEMBER 4, 1988.
  - ADDITIONALLY THE FOLLOWING AREAS OF THE SITE HAVE BEEN UPDATED AND INCORPORATED INTO THE EXISTING SITE PLAN AS FOLLOWS:
    - AN ADDITIONAL 1,000 FEET TO THE NORTH OF SECTION 18 HAS BEEN SURVEYED AND INCORPORATED INTO THE EXISTING TOPOGRAPHY. SURVEY BY: J.J. HOWARD DATED FEBRUARY 20, 1988.
    - STABILIZATION AND CONTAMINATION BUILDING UPDATED AS OF JANUARY 14, 1987. SURVEY BY: J.J. HOWARD. DESIGN CONTOURS BY: ENVIRONMENTAL TECHNOLOGIES.
    - PHASE 4 PROCESS PLANT AREA UPDATED AS OF APRIL 15, 1988. SURVEY BY: J.J. HOWARD.
    - LEACHATE FORCE MAIN AND SOIL STOOPPILE SURVEY UPDATED AS OF FEBRUARY 15, 1999. SURVEY BY: J.J. HOWARD.
    - THE CURRENT TOP OF WASTE ELEVATIONS FOR CELL 5 AS OF JANUARY 2, 1998. SURVEY BY: J.J. HOWARD.
    - THE CURRENT TOP OF WASTE ELEVATIONS FOR CELL 14 AS OF JANUARY 04, 2001. SURVEY BY: J.J. HOWARD.
    - TOPOGRAPHY OF TRENCHES 10 AND 11 UPDATED AS OF SEPTEMBER 12, 2000. SURVEY BY: J.J. HOWARD.
    - UPDATE OF CONTAINER STORAGE AREA NO. 1 TOPOGRAPHY AS OF JUNE 18, 1988. SURVEY BY: J.J. HOWARD.
    - BORROW AREA TOPOGRAPHY UPDATED AS OF DECEMBER 12, 2000. SURVEY BY: J.J. HOWARD.
    - WEST HALL ROAD TOPOGRAPHY UPDATED AS OF DECEMBER 05, 2000. SURVEY BY: J.J. HOWARD.
    - ET CAP TEST PAD TOPOGRAPHY UPDATED AS OF NOVEMBER 04, 2000. SURVEY BY: J.J. HOWARD.

- FACILITY KEY
- 7 FIRE HOUSE
  - 8 SAFETY BUILDING
  - 9 STORAGE BUILDING
  - 10 MAINTENANCE SHOP/FIELD TECH BUILDING
  - 11 DECONTAMINATION BUILDING
  - 12 LAB OFFICES
  - 13 RECEIVING OFFICE/LAB/FINANCE
  - 22 STORAGE BUILDING
  - 23 ADMINISTRATION OFFICE NO.5/HYDROGEOLOGY
  - 24 IDAHO D.E.Q. TRAILER
  - 27 SAMPLING PLATFORM
  - 28 STAGING AREA
  - 52 OFFICE TRAILER SANITARY TANK

- LEGEND
- (25) EXISTING FACILITY KEY NUMBER
  - + EXISTING POWER POLE
  - x 2544.70 SPOT ELEVATION
  - U-14 EXISTING WELL
  - x-x- EXISTING FENCE LINE
  - PROPERTY BOUNDARY
  - - - - - EXISTING UNIMPROVED ROAD
  - 2550 EXISTING CONTOUR
  - RORA UNIT BOUNDARY
  - - - - - EXISTING CULVERT
  - - - - - EXISTING DRAINAGE CHANNEL
  - - - - - PROPOSED DRAINAGE CHANNEL
  - - - - - PROPOSED CULVERT
  - 2570 PROPOSED CONTOUR
  - - - - - PROPOSED GRAVEL ROAD
  - - - - - LIMITS OF PROPOSED BULK STORAGE CONTAINER AREA 1
  - - - - - NEW LEACHATE SYSTEM PIPING
  - NEW CONTAMINATION PIPE
  - + NEW LEACHATE SYSTEM PIPE SUPPORT

REV.	BY	CHKD	DATE	DESCRIPTION	PROJ. ENGR	ENGR	DATE
D	MM	-	1/22/03	2003 PERMIT RENEWAL	-	-	1/22/03
C	MM	-	4/2/01	ISSUED IN RESPONSE TO NOD LETTER DATED JUNE 30, 1999	-	-	4/2/01
B	MM	-	1/15/99	ISSUED FOR JANUARY 1999 CLASS 3 PERMIT MODIFICATION	-	-	-
A	MM	-	7/28/98	ISSUED FOR PART B PERMIT RENEWAL APPLICATION	-	-	-

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an American Ecology company

SITE B  
GRAND VIEW, IDAHO  
US EPA ID NO. IDD 073 114 654

TITLE: GENERAL FACILITY  
CONTAINER STORAGE AREA 1  
TYPICAL CONTAINER LAYOUT & REGRADING PLAN

DRW. BY	DATE	SCALE	FILE CODE	PRM150	REV. NO.
MM	5/18/98	-	PRM150	PRM150	D
CHECKED	DATE	ENGINEER	DATE	DWG. NO.	
				PRM1-R15	
PROJ. MGR.	DATE	APPROVED	DATE	PROJ. NO.	PRM1

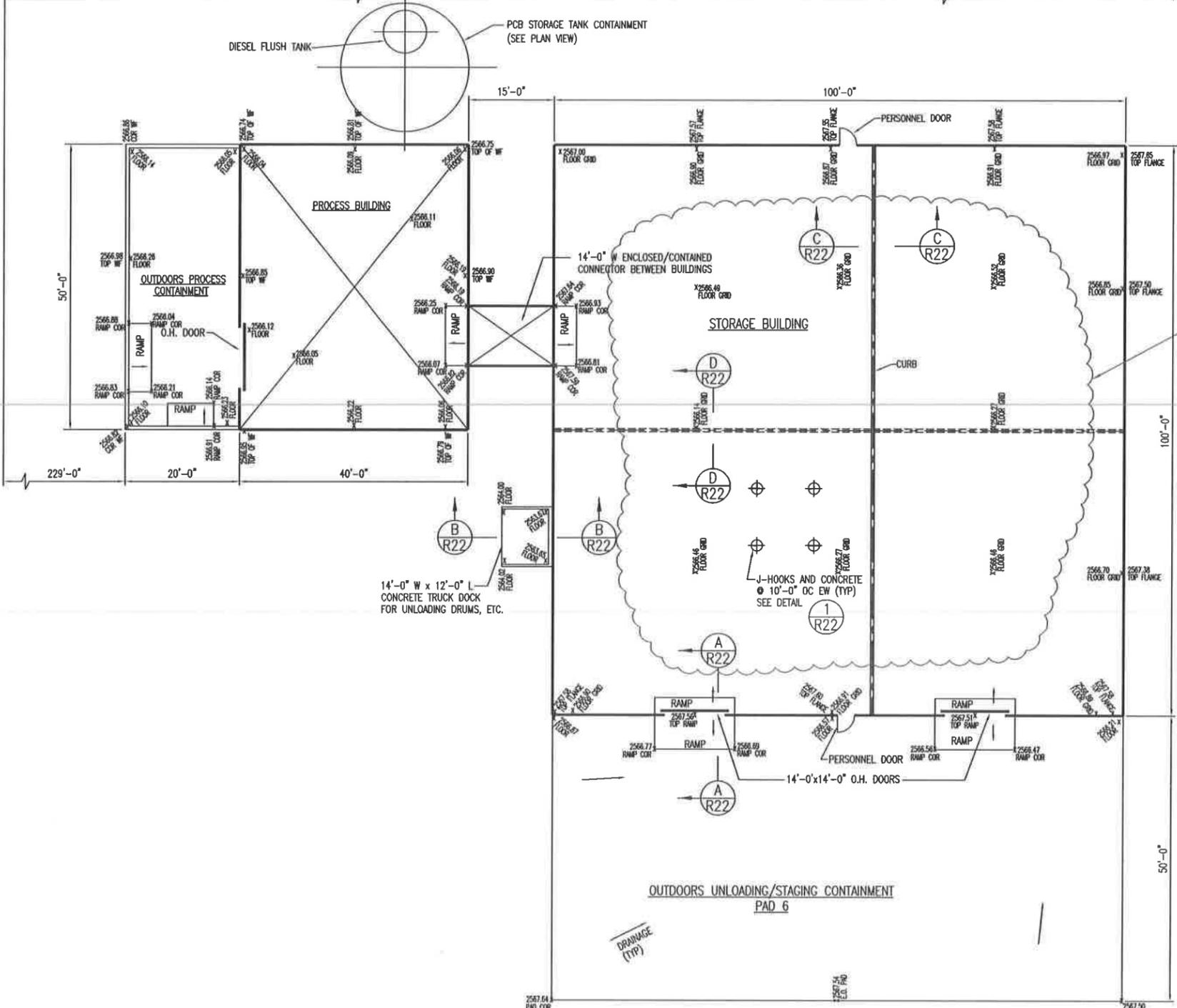




TRENCH 4

WEST SIDE OF TRENCH 4

896'-0" APPROXIMATE



DIESEL FLUSH TANK  
 PCB STORAGE TANK CONTAINMENT (SEE PLAN VIEW)

PROCESS BUILDING

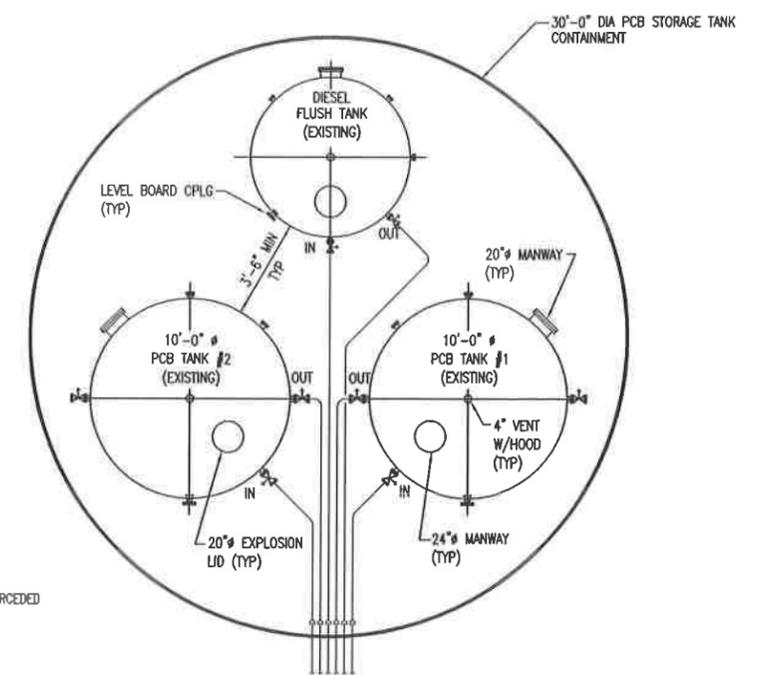
OUTDOORS PROCESS CONTAINMENT

STORAGE BUILDING

J-HOOKS AND CONCRETE  
 10'-0" DC EW (TYP)  
 SEE DETAIL

OUTDOORS UNLOADING/STAGING CONTAINMENT  
 PAD 6

PLAN VIEW  
 RCRA/PCB STORAGE BUILDING AND  
 PCB PROCESSING BUILDING  
 SCALE: NTS



PLAN VIEW  
 PCB STORAGE TANK CONTAINMENT LAYOUT  
 SCALE: NTS

INTERIOR FEATURES SUPERCEDED  
 SEE NOTE 5

NOTES:

1. THE FLOOR THE PROCESS BUILDING IS CONSTRUCTED OF 1/4" CARBON STEEL PLATE, CONTINUOUS LAP (3" MIN) WELDED WITH AN 8" HIGH CONTAINMENT WALL TYPICAL.
2. OUTDOORS CONTAINMENT AT THE PROCESS BUILDING IS ALSO 1/4" CARBON STEEL PLATE WITH AN 8" HIGH CONTAINMENT WALL.
3. OUTDOORS UNLOADING/STAGING CONTAINMENT AT THE STORAGE BUILDING IS REINFORCED CONCRETE WITH 8" HIGH (NOMINAL) CURB WALL ON THREE (3) SIDES. SLAB IS SLOPED TO DRAIN TO SOUTHEAST FOR COLLECTION.
4. THE TRUCK DOCK IS REINFORCED CONCRETE WITH DRAINAGE TO A CENTRAL SUMP.
5. STEEL CONTAINMENT FLOOR WAS REMOVED FROM STORAGE BUILDING AND HAS BEEN REPLACED WITH CONCRETE CONTAINMENT SLABS, AS SHOWN ON DRAWINGS PRM-C16 AND PRM-C17.

REV.	BY	CHK'D	DATE	DATE	DESCRIPTION	PROJ. ENGR.	SUPV. ENGR.
C	WT		11/21/13		UPDATED FLOOR REMOVAL / PAD 7 REF.		
B	BB		4/11/05		2003 PERMIT RENEWAL		
A	OM		1/24/01		ISSUED FOR B PERMIT RENEWAL APPLICATION		

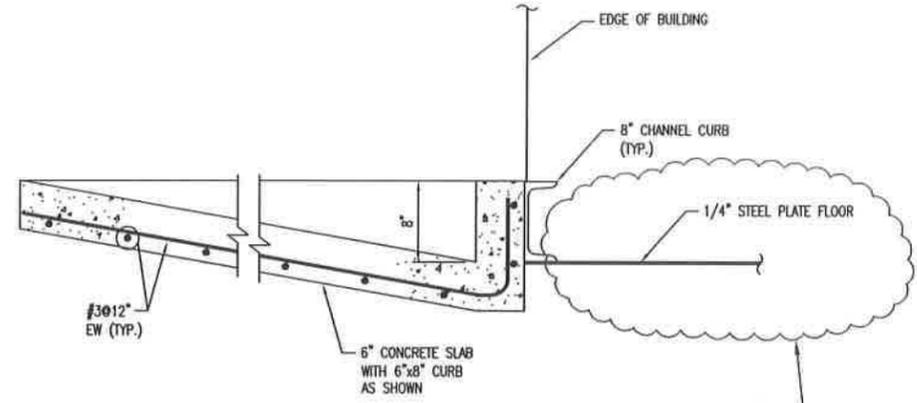
**USEcology Idaho**  
 an American Ecology company

SITE B  
 GRAND VIEW, IDAHO  
 US EPA ID NO. IDD 073 114 654

TITLE: GENERAL ARRANGEMENT - RCRA/PCB STORAGE BLDG & PCB PROCESSING BLDG, AND PCB STORAGE TANK FACILITY - PLANS

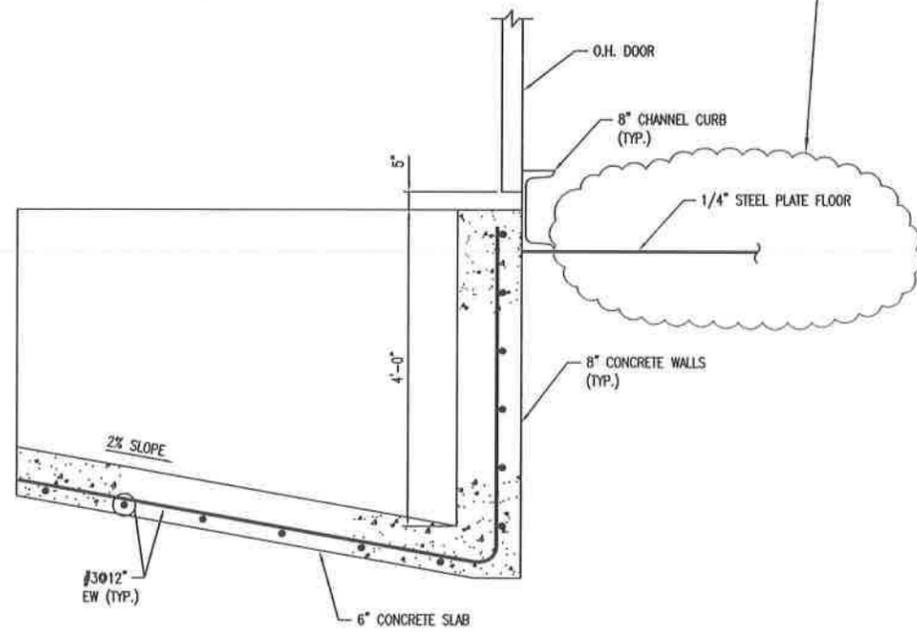
FILE CODE	PRM-R21	REV. NO.	C
DRAWN BY: JZ	DATE: 12/29/97	SCALE:	
CHECKED:	DATE:	ENGINEER:	DATE:
PROJ. MGR.:	DATE:	APPROVED:	DATE:

DWG. NO. PRM-R22  
 PROJ. NO. PRM



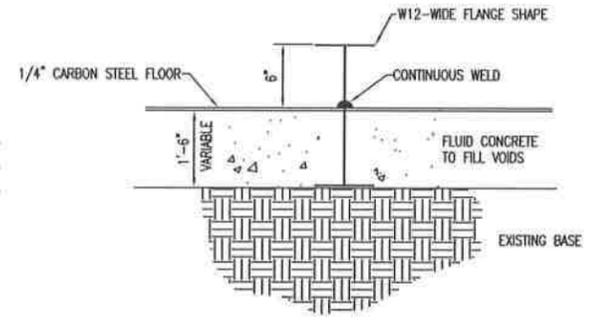
SECTION THRU CONCRETE PAD @ STORAGE BUILDING INTERFACE

SECTION A  
 SCALE: NTS  
 R21

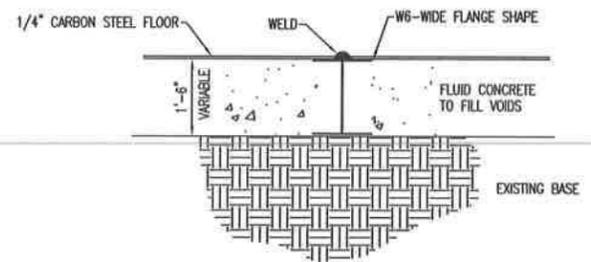


SECTION THRU CONCRETE TRUCK DOCK @ STORAGE BUILDING INTERFACE

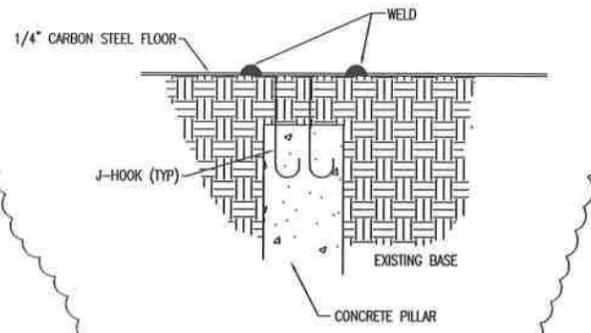
SECTION B  
 SCALE: NTS  
 R21



SECTION C  
 SCALE: NTS  
 R21



SECTION D  
 SCALE: NTS  
 R21



DETAIL 1  
 SCALE: NTS  
 R21

NOTE:  
 6" WILL BE MINIMUM HEIGHT OF CURB "ON TOP"  
 BUT MAY BE MORE DUE TO STEEL CONTOUR.

NOTES:

1. STEEL CONTAINMENT FLOOR WAS REMOVED FROM STORAGE BUILDING AND HAS BEEN REPLACED WITH CONCRETE CONTAINMENT SLABS AND CURBS, AS SHOWN ON DRAWINGS PRM-C16 AND PRM-C17
2. CONTAINMENT CAPACITY OF 100'-0"x50'-0" CONCRETE UNLOADING/STAGING PAD ON WEST SIDE OF STORAGE BUILDING IS APPROXIMATE 12,500 GAL.

REV.	BY	CHK'D	DATE	DATE	DESCRIPTION	PROJ. ENGR.	DATE	BUILD. ENGR.	DATE
C	WT		1/20/11		UPDATED FLOOR REMOVAL / PAD 7 REF.				
B	AM		1/22/10		2003 PERMIT RENEWAL				
A	DM		1/26/10		ISSUED FOR B PERMIT RENEWAL APPLICATION				

**USEcology Idaho**  
 an American Ecology company

SITE B  
 GRAND VIEW, IDAHO  
 US EPA ID NO. IDD 073 114 654

TITLE: GENERAL ARRANGEMENT - RCRA/PCB  
 STORAGE BLDG & PCB PROCESSING BLDG,  
 AND PCB STORAGE TANK FACILITY - SECTIONS

FILE CODE	PRM-R22
DRAWN BY: DATE	SCALE:
12/30/97	
CHECKED DATE	ENGINEER DATE
PROJ. MGR. DATE	APPROVED DATE

C

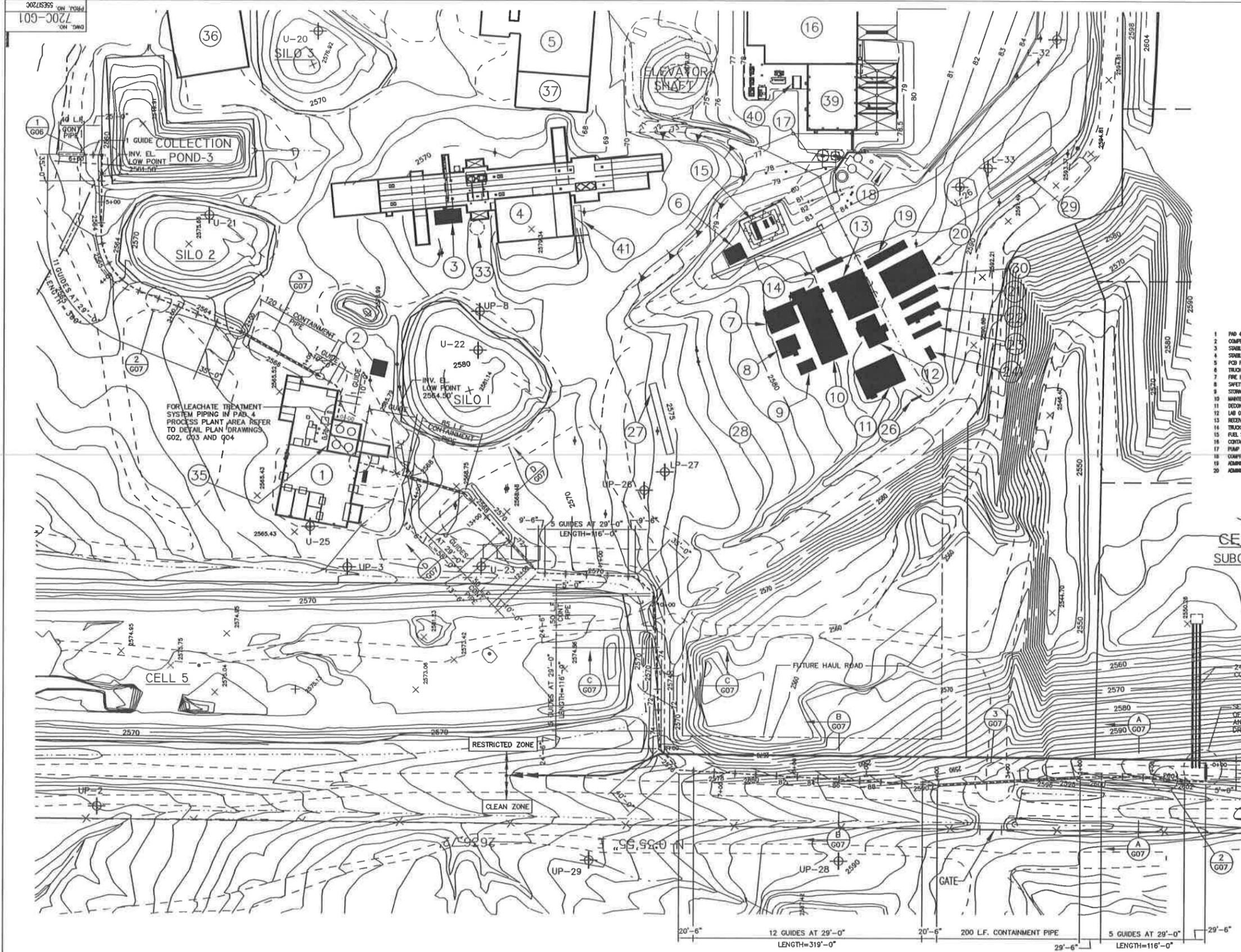
May 2014 USEI Permit  
Application Section  
Reference

Drawing Number

Drawing Title

Leachate Piping and Treatment System

720C-G01	Piping Leachate Treatment System Cell 14 Leachate Plans	D, I
720C-G02	Piping Leachate Treatment System Detail Plan No. 1	D, I
720C-G03	Piping Leachate Treatment System Detail Plan No. 2	D, I
720C-G04	Piping Leachate Treatment System Detail Plan No. 3	D, I
720C-G05	Piping Leachate Treatment System Treatment Building Plan and Sections	D, I
720C-G06	Piping Leachate Treatment System Piping Profile	D, I
720C-G07	Piping Leachate Treatment System Leachate Piping Sections and Details	D
720C-P01	Process & Instrumentation Diagram Leachate Treatment System	C, D
720C-P02	Process & Instrumentation Diagram Existing Leachate Treatment System	C, D



- LEGEND**
- 5/8" IRON PIN W/ ALUMINUM CAP
  - POWER POLE
  - SPOT ELEVATION
  - WELL
  - FENCE LINE
  - PROPERTY BOUNDARY
  - UNIMPROVED ROAD
  - PAVED ROAD
  - EXISTING TOPOGRAPHY AS OF NOV. 4, 1985
  - RGA UNIT BOUNDARY
  - CULVERT
  - DRAINAGE
  - POND WATER TRANSFER PIPE
  - FACILITY KEY NUMBER
  - NEW LEACHATE SYSTEM PIPING
  - NEW CONTAINMENT PIPE

- FACILITY KEY**
- 1 PAD 4 PROCESS PLANT
  - 2 COMPRESSOR/A.C.C. BUILDING
  - 3 STABILIZATION LAB FACILITY
  - 4 PCB PROCESSING/STORAGE BUILDING
  - 5 TRUCK WASH FACILITY
  - 6 FIRE HOUSE
  - 7 SAFETY BUILDING
  - 8 STORAGE BUILDING
  - 9 WAREHOUSE SHIP/YIELD TECH BUILDING
  - 10 DECONTAMINATION BUILDING
  - 11 LAB OFFICES
  - 12 RECEIVING OFFICE/LAB/PINANCE
  - 13 FUEL STORAGE TANKS
  - 14 CONTAINMENT BUILDING
  - 15 PUMP TRUCKS/WATER STORAGE TANKS
  - 16 COMPRESSED GAS STORAGE
  - 17 ADMINISTRATION OFFICE NO. 2
  - 18 ADMINISTRATION/LUNCH ROOM
  - 19 HEDERATORY OFFICE
  - 20 STORAGE BUILDING
  - 21 ADMINISTRATION OFFICE NO. 5/ HYDROGEOLOGY
  - 22 IHMO D.E.G. TRAILER
  - 23 SECURITY BUILDING
  - 24 PROPHET TANK
  - 25 SAMPLING PLATFORM
  - 26 STAGING AREA
  - 27 SCALE
  - 28 FLAREPILE
  - 29 WELDER STATION
  - 30 DIESEL & PCB STORAGE TANKS
  - 31 UNDERGROUND CLEAN WATER TANK
  - 32 ENCLONDER GATES
  - 33 RGA STORAGE TANKS
  - 34 PAD 5
  - 35 PAD 6
  - 36 CONDIMER STORAGE AREA NO. 7
  - 37 SHERIDAN BUILDING
  - 38 BARRACKS
  - 39 HEDERATORY TRUCK SCALE

FOR LEACHATE TREATMENT SYSTEM PIPING IN PAD 4 PROCESS PLANT AREA REFER TO DETAIL PLAN DRAWINGS G02, G03 AND G04

CELL 14  
 SUBCELL 14-6

24" HDPE PRIMARY LEACHATE COLLECTION RISER PIPING  
 SEE DETAILED PLAN OF RISER-CONNECTION AND ISLAND GRASSING DRAWING FIG. G03  
 RESTRICTED ZONE  
 CLEAN ZONE  
 20 L.F. CONT. PIPE

REV.	BY	DATE	DESCRIPTION	ISSUED FOR	DATE
E	MM	05/21/06	2003 PERMIT RENEWAL	RENEWAL	05/21/06
D	MM	05/21/06	ISSUED FOR B PERMIT RENEWAL APPLICATION	RENEWAL	05/21/06
C	MM	05/21/06	ISSUED FOR BID	BID	05/21/06
B	MM	05/21/06	DESIGN UP-DATE	DESIGN	05/21/06
A	MM	05/21/06	ISSUED FOR REVIEW	REVIEW	05/21/06

**USEcology Idaho**  
 an American Ecology company

US ECOLOGY IDAHO, INC.  
 GRAND VIEW, IDAHO  
 GRAND VIEW IDAHO FACILITY

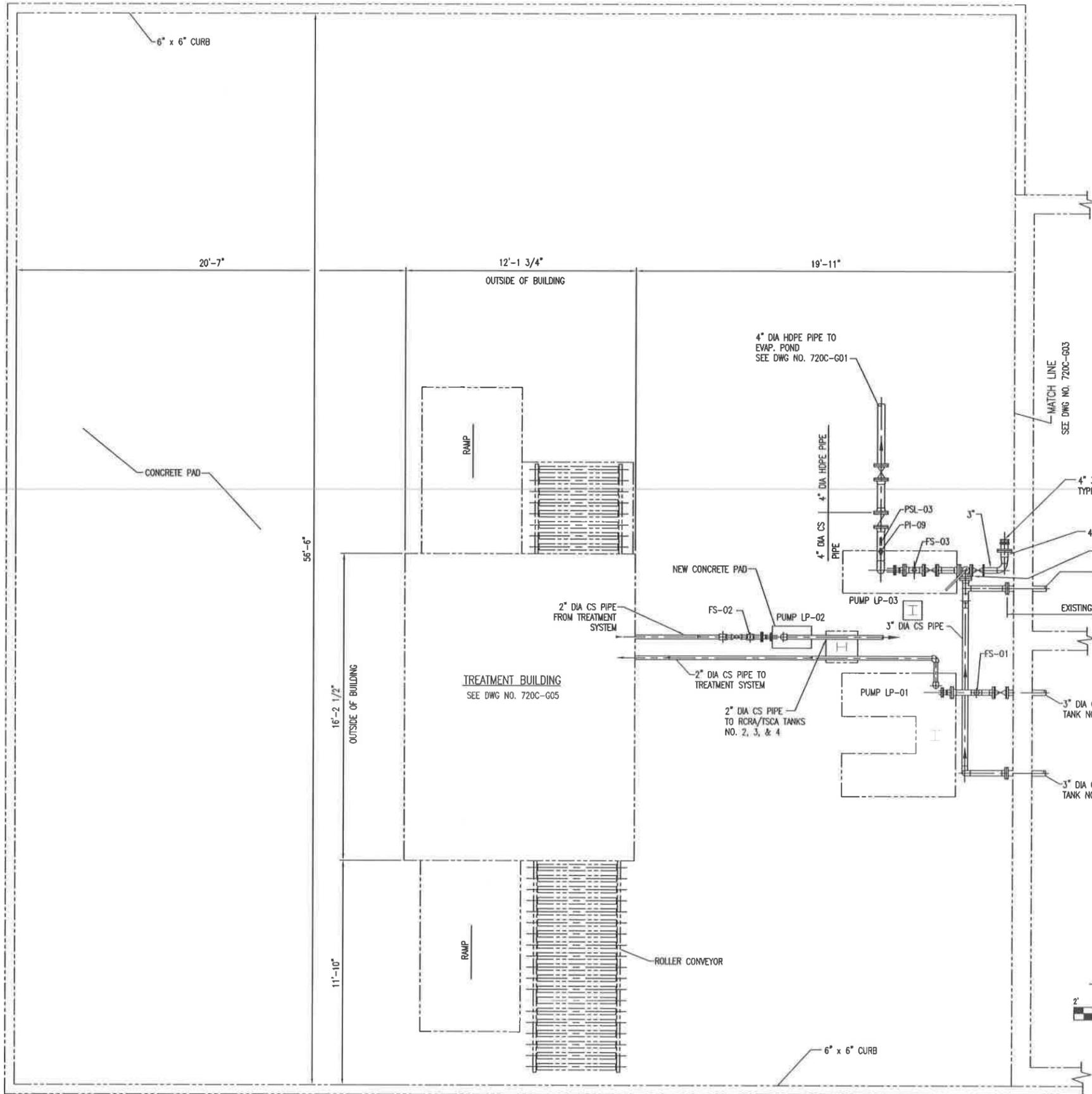
TITLE: PIPING LEACHATE TREATMENT SYSTEM CELL 14 LEACHATE PLAN

CHKD.	DATE	SCALE	FILE CODE	REV. NO.
MM	05/21/06	AS SHOWN	720000E	1
MM	05/21/06		720C-G01	
MM	05/21/06		55E3720C	

**NOTE:**  
 CONTRACTOR TO PROVIDE ADDITIONAL SLACK IN PIPE BETWEEN ANCHOR GUIDES TO COMPENSATE FOR THERMAL EXPANSION/CONTRACTION OF THE PIPE.



DWG. NO. 720C-G02  
 PROJ. NO. 55ES1720C



**NOTE:**  
 UNLESS OTHERWISE NOTED AS "EXISTING", ALL PUMPS, PIPING, VALVES AND ACCESSORIES INDICATED ON THIS DRAWING ARE NEW.

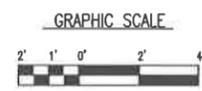
D	1/5/03	GRAND VIEW IDAHO FACILITY	AR	AR
C	7/28/03	ISSUED FOR B PERMIT RENEWAL APPLICATION	AR	AR
B	7/15/03	ISSUED FOR BID	AR	AR
A	8/12/03	ISSUED FOR REVIEW	AR	AR
REV.	BY	CHK'D	DESCRIPTION	PROJ. ENGR. DATE
	DATE	DATE		DATE

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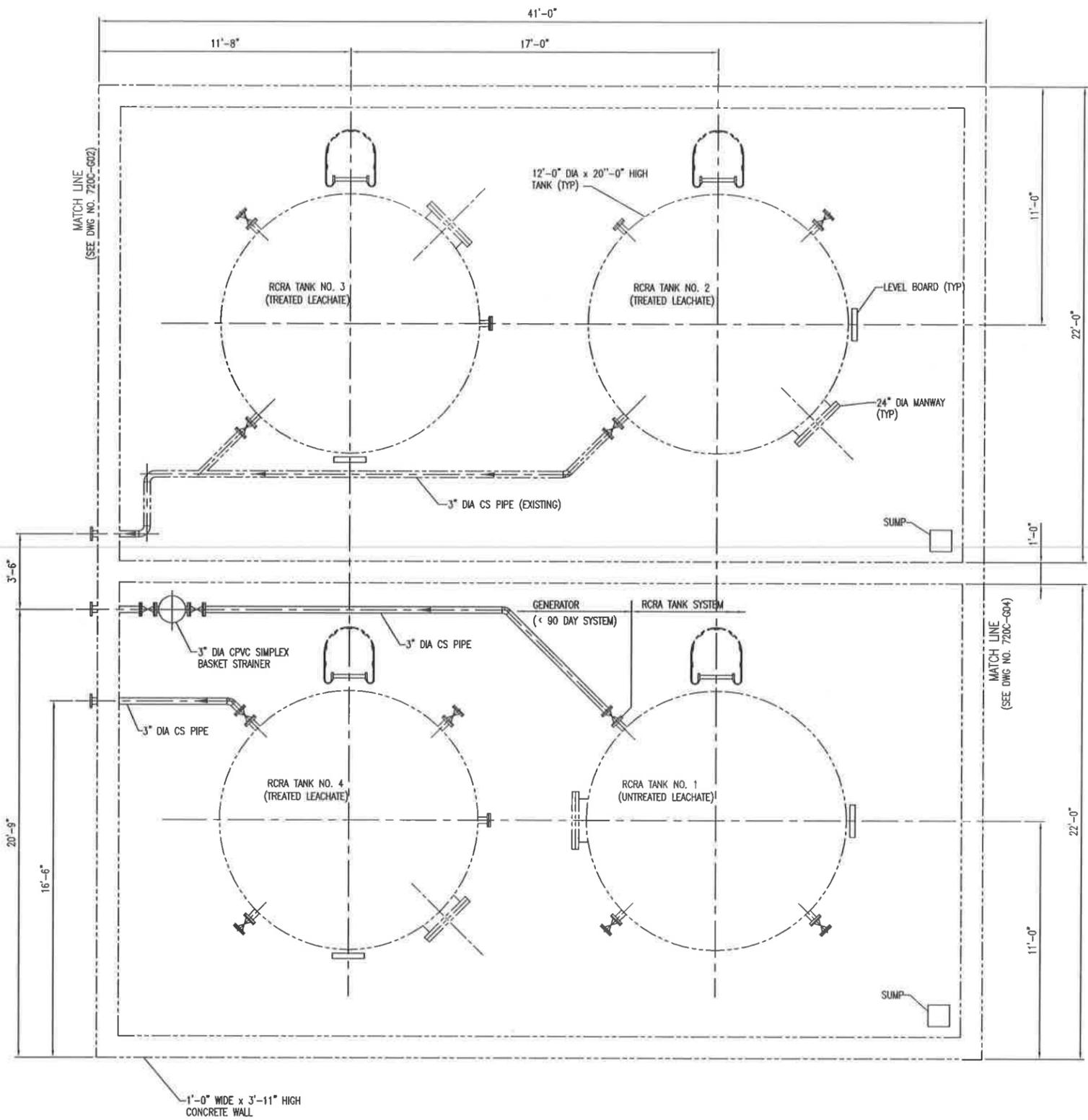
US ECOLOGY IDAHO, INC.  
 GRAND VIEW, IDAHO  
 GRAND VIEW IDAHO FACILITY

TITLE: PIPING LEACHATE TREATMENT SYSTEM  
 DETAIL PLAN No.1

DRAWN BY:	DATE:	SCALE:	FILE CODE:	REV. NO.:
EMH	9/9/97		720C-G02	D
CHECKED:	DATE:	ENGINEER:	DATE:	
PROJ. MGR.:	DATE:	APPROVED:	DATE:	
			PROJ. NO. 55ES1720C	



DWG. NO. 720C-G03  
 PROJ. NO. 55ES1720C



**NOTES:**

1. UNLESS OTHERWISE NOTED AS "EXISTING" ALL PIPES, VALVES, AND ACCESSORIES INDICATED ON THIS DRAWING ARE NEW.
2. VALVES SHOWN DIRECTLY ATTACHED TO TANK DISCHARGE NOZZLES ARE EXISTING.

D	AM	-	2003 PERMIT RENEWAL	-	AM
					5/5/03
C	BH	-	ISSUED FOR B PERMIT RENEWAL APPLICATION	-	-
B	AM	RC	ISSUED FOR BID	RC	BL
					7/15/01 7/15/01
A	BH	-	ISSUED FOR REVIEW	-	-
REV.	BY	CHK'D	DESCRIPTION	PROJ	SUPP
DATE	DATE	DATE		ENGR	ENGR
				DATE	DATE

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 an American Ecology company

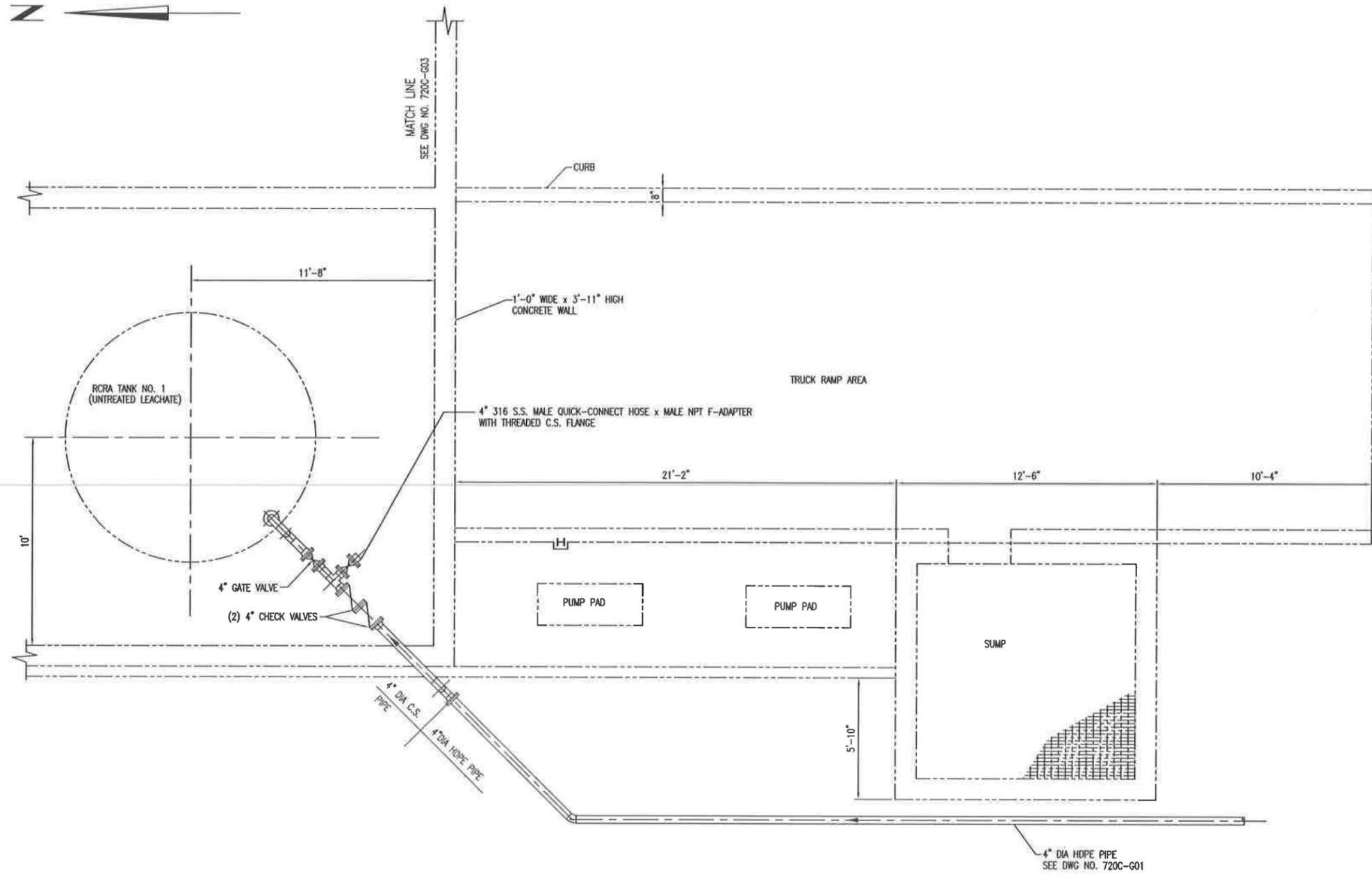
US ECOLOGY IDAHO, INC.  
 GRAND VIEW, IDAHO  
 GRAND VIEW IDAHO FACILITY

TITLE: PIPING LEACHATE TREATMENT SYSTEM  
 DETAIL PLAN No. 2

DRAWN BY:	DATE:	SCALE:	FILE CODE:	72000030	REV. NO.:
EMH	9/9/97		DWG. NO.:	720C-G03	D
CHECKED:	DATE:	ENGINEER:	DATE:		
PROJ. MGR.:	DATE:	APPROVED:	DATE:	PROJ. NO. 55ES1720C	



DWG. NO. 720C-G04  
 PROJ. NO. 55ES1720C



**NOTES:**  
 1. UNLESS OTHERWISE NOTED AS "EXISTING" ALL PIPING, VALVES, AND ACCESSORIES INDICATED ON THIS DRAWING ARE NEW.

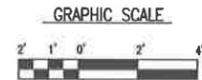
REV.	BY	CHK'D	DATE	DATE	DESCRIPTION	PROJ. ENGR.	SUPV. ENGR.
D	EM	-	5/2/03	-	2003 PERMIT RENEWAL	-	JH
C	EM	-	7/28/04	-	ISSUED FOR B PERMIT RENEWAL APPLICATION	-	-
B	JH	RC	1/15/05	1/15/05	ISSUED FOR BID	RC	DL
A	EM	-	1/12/07	-	ISSUED FOR REVIEW	-	-

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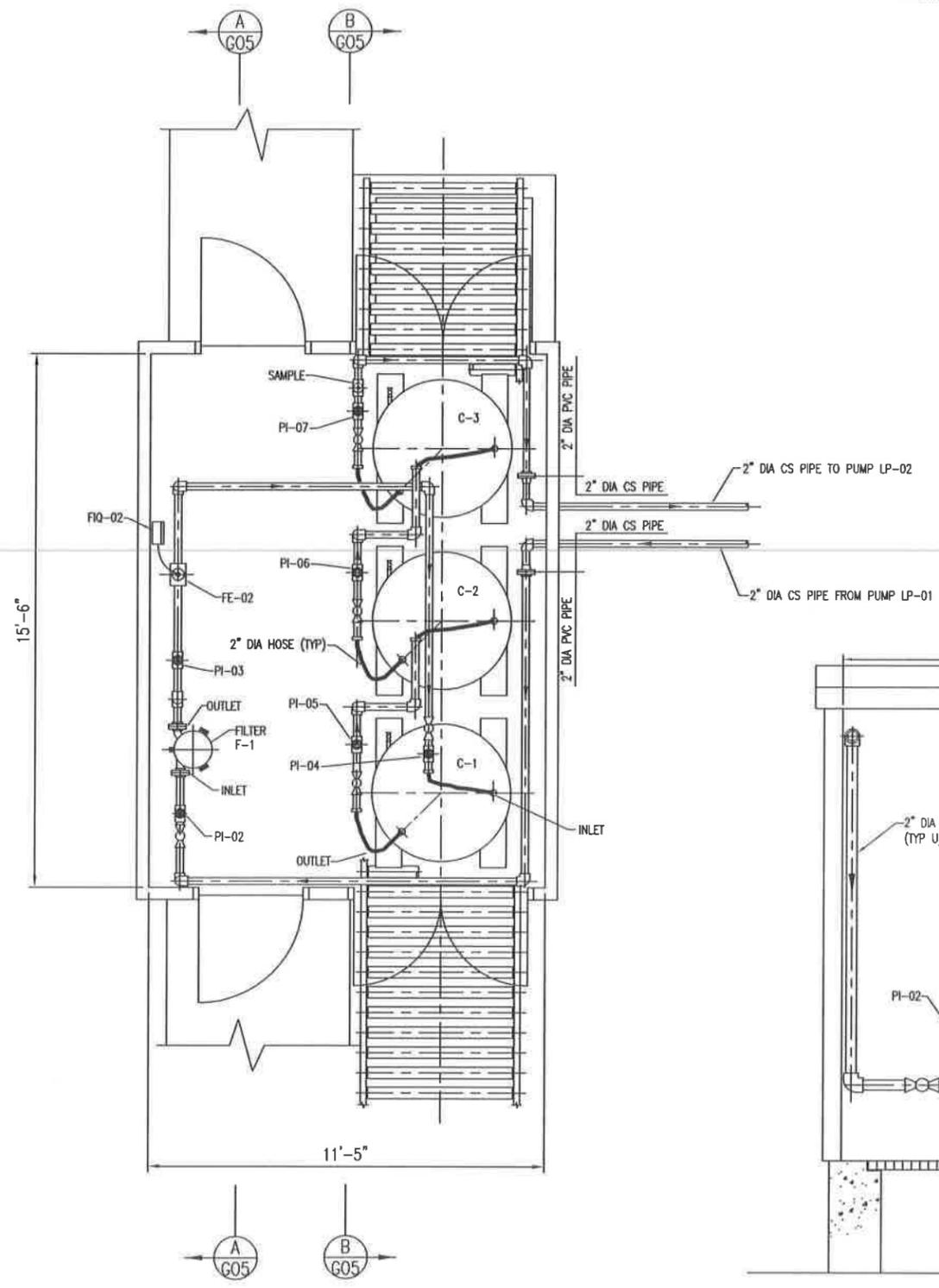
US ECOLOGY IDAHO, INC.  
 GRAND VIEW, IDAHO  
 GRAND VIEW IDAHO FACILITY

TITLE: PIPING LEACHATE TREATMENT SYSTEM  
 DETAIL PLAN No. 3

DRAWN BY:	DATE:	SCALE:	FILE CODE:	REV. NO.:
EM	9/10/97		7200040	
CHECKED:	DATE:	ENGINEER:	DWG. NO.:	
			720C-G04	
PROJ. MGR.:	DATE:	APPROVED:	DATE:	PROJ. NO.:
				55ES1720C



PROJ. NO. 55ESI720C  
 DWG. NO. 720C-G05



2" DIA NYLON REINFORCED (BRAIDED) PVC HOSE WITH 316 SS QUICK-CONNECT FEMALE SHANK COUPLER, CONNECTED TO 316 SS MALE QUICK-CONNECT ADAPTER ON INLET AND OUTLET OF EACH SCRUB UNIT (TYP).

2" DIA PVC PIPE TO PUMP LP-02

1/2" DIA SAMPLE

3/4" DIA DRAIN

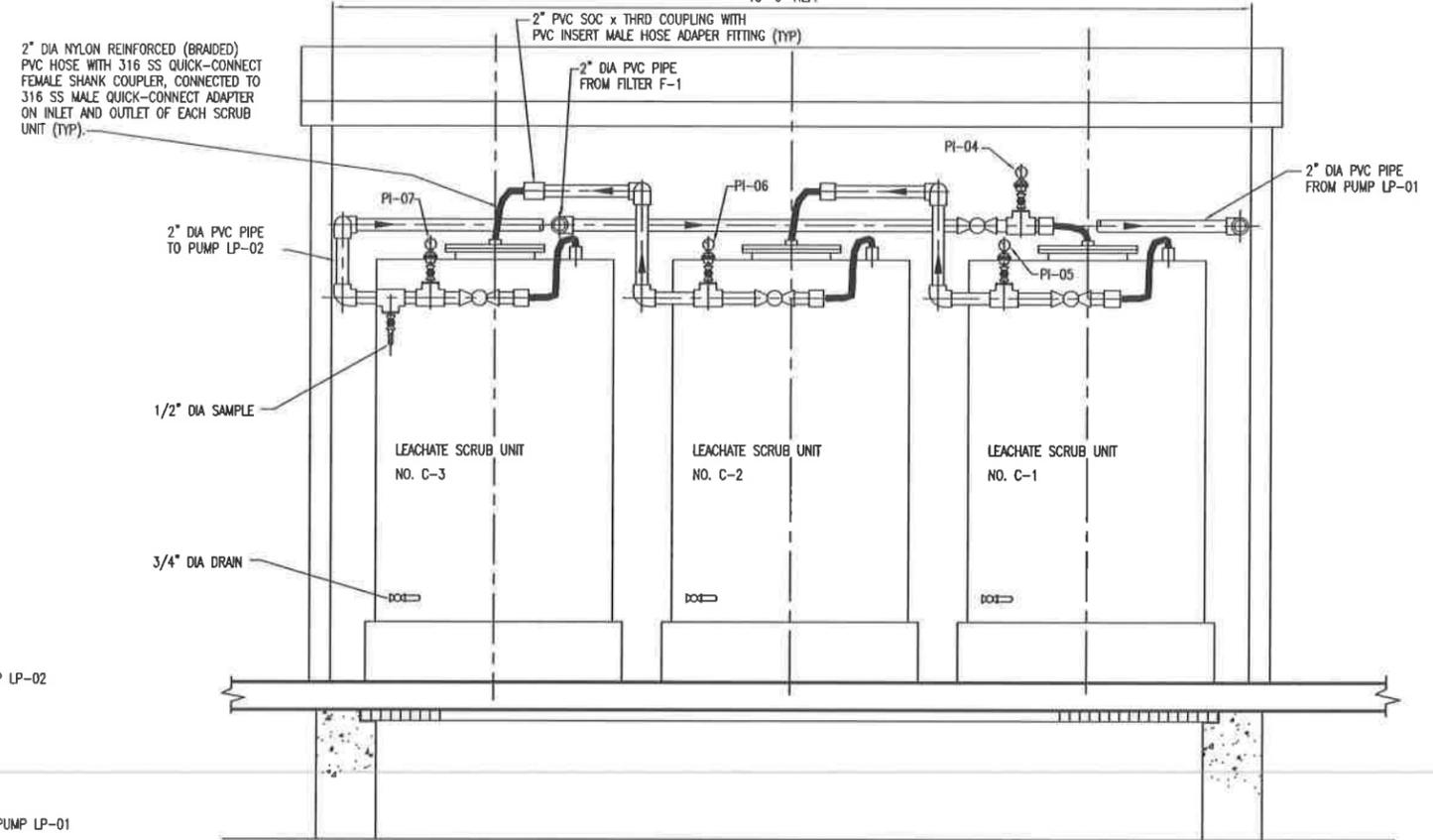
2" DIA PVC PIPE

2" DIA CS PIPE

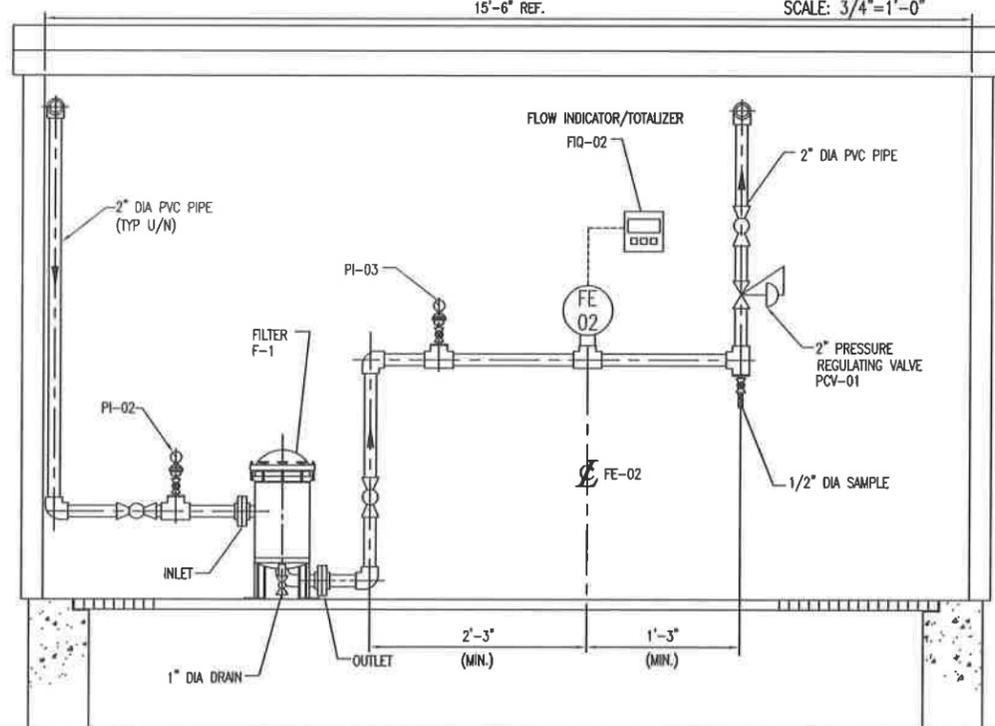
2" DIA CS PIPE

2" DIA CS PIPE FROM PUMP LP-01

2" DIA CS PIPE TO PUMP LP-02

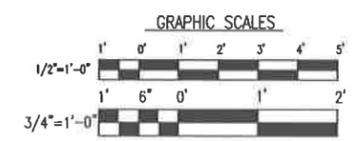


SECTION B - B  
 SCALE: 3/4"=1'-0"



SECTION A - A  
 SCALE: 3/4"=1'-0"

NOTE:  
 UNLESS OTHERWISE NOTED AS "EXISTING" ALL PUMPS, PIPING, VALVES AND ACCESSORIES INDICATED ON THIS DRAWING ARE NEW.



REV.	BY	CHK'D	DATE	DATE	DESCRIPTION	PROJ. ENGR.	SUPV. ENGR.
E	EM	-	1/15/03	-	2003 PERMIT RENEWAL	-	EM
D	EM	-	1/20/03	-	ISSUED FOR B PERMIT RENEWAL APPLICATION	-	EM
C	AP	AK	2/15/02	2/15/02	ISSUED FOR BID	AK	DL
B	EM	-	3/14/01	-	DESIGN UPDATE	-	-
A	EM	-	4/12/01	-	ISSUED FOR REVIEW	-	-

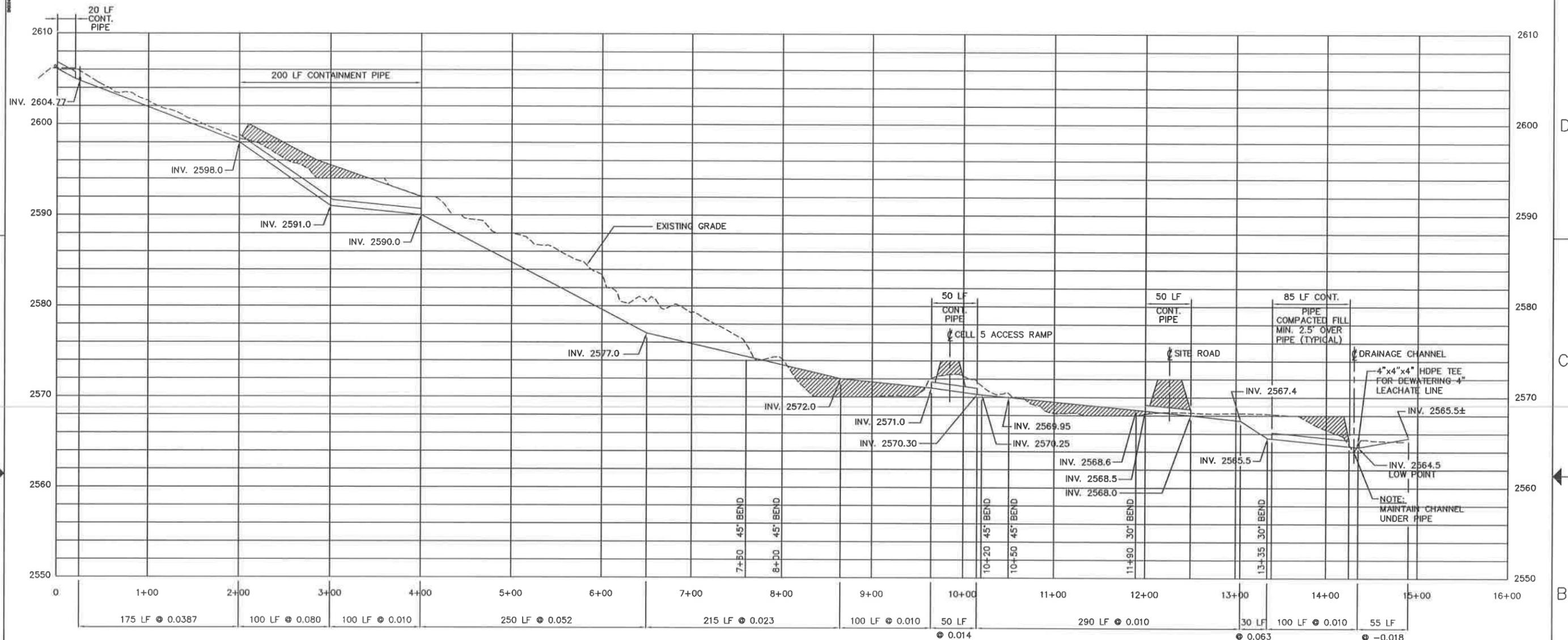
**USEcology Idaho**  
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US ECOLOGY IDAHO, INC.  
 GRAND VIEW, IDAHO  
 GRAND VIEW IDAHO FACILITY

TITLE: PIPING LEACHATE TREATMENT SYSTEM TREATMENT BUILDING PLAN & SECTIONS			
DRAWN BY: EMM	DATE: 9/12/97	SCALE: AS SHOWN	FILE CODE: 7200005E
CHECKED BY: EMM	DATE: 9/12/97	ENGINEER DATE: 9/12/97	DWG. NO.: 720C-G05
PROJ. MGR. DATE: 9/12/97	APPROVED DATE: 9/12/97	PROJ. NO.:	55ESI720C

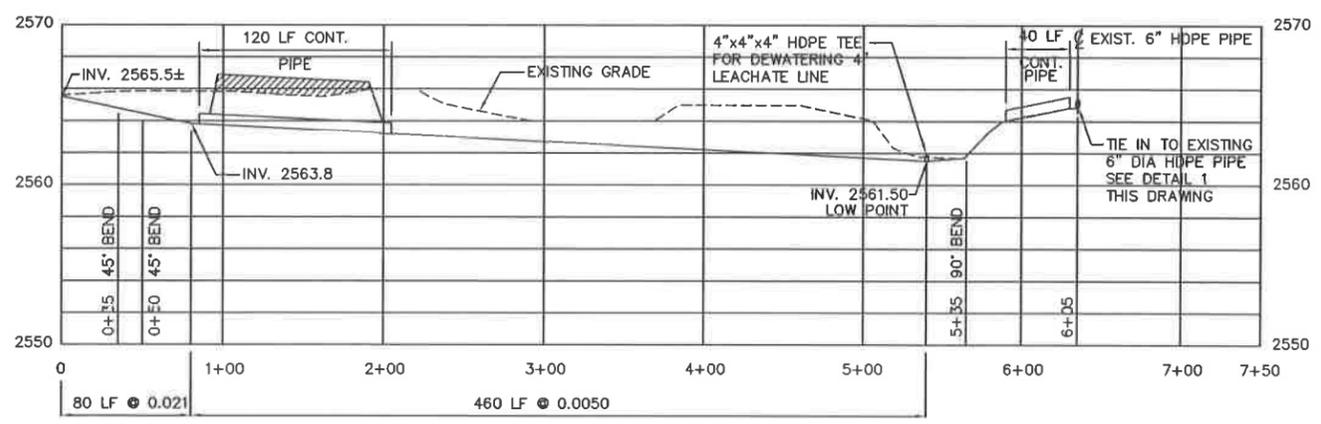
REV. NO. E

PROJ. NO. 55ES1720C  
 DWG. NO. 720C-G06



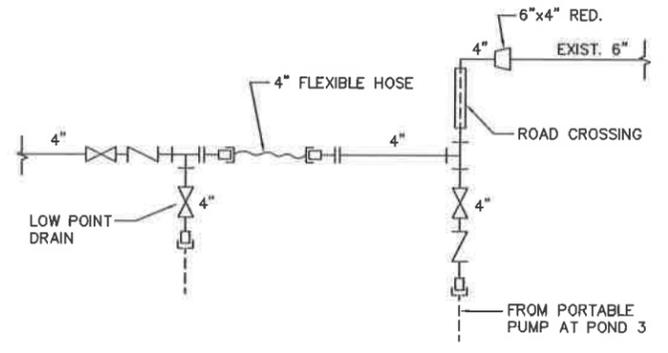
PROFILE OF NEW 4" UNTREATED LEACHATE PIPELINE

SCALE: 1"=50' HORIZ.  
 1"=5' VERT.



PROFILE OF NEW 4" TREATED LEACHATE PIPELINE

SCALE: 1"=50' HORIZ.  
 1"=5' VERT.



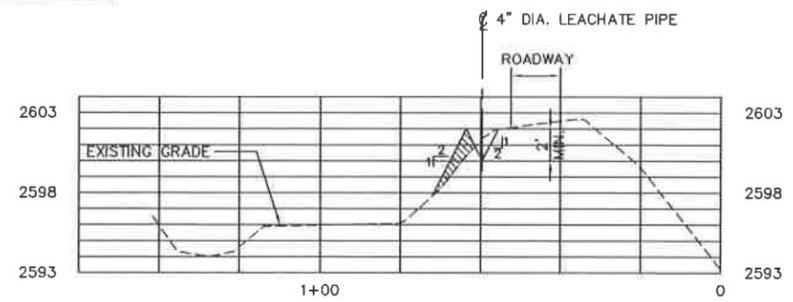
DETAIL SCALE: N.T.S. (1) G01

REV.	BY	CHK'D	DATE	DESCRIPTION	DATE	DATE
C	MM	-	5/5/03	2003 PERMIT RENEWAL	-	5/5/03
B	MM	-	7/27/03	ISSUED FOR B PERMIT RENEWAL APPLICATION	-	-
A	MM	ARC	7/15/03	ISSUED FOR BID	ARC	DL

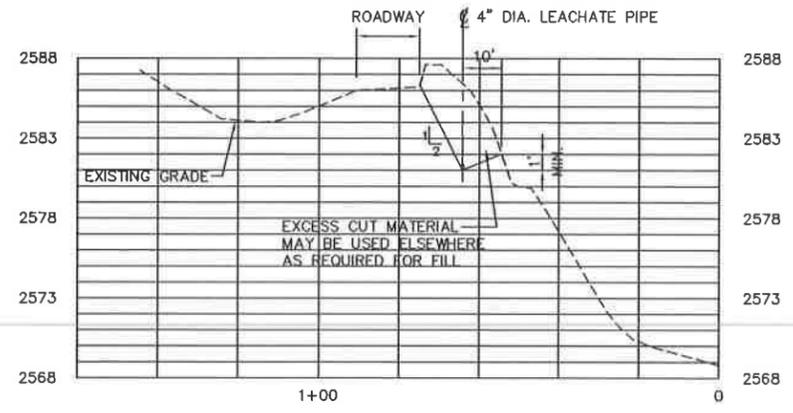
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 GRAND VIEW, IDAHO  
 GRAND VIEW IDAHO FACILITY

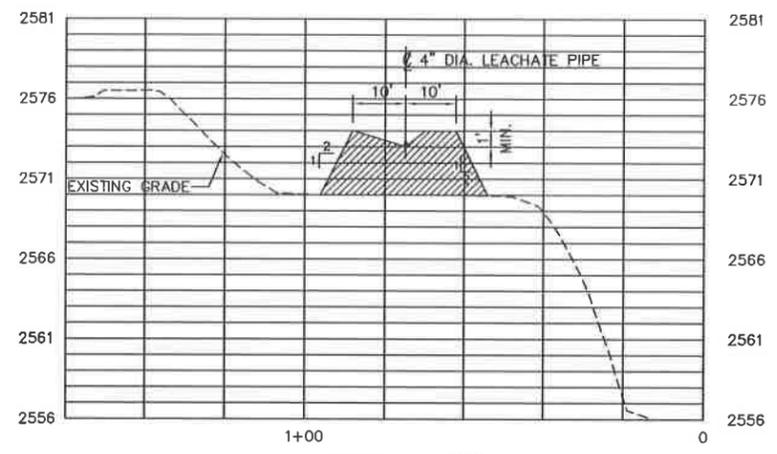
TITLE: PIPING LEACHATE TREATMENT SYSTEM LEACHATE PIPING PROFILE			
DATE	SCALE	FILE CODE	REV. NO.
5/21/98		720C0060	
DATE	ENGINEER	DATE	DWG. NO.
			720C-G06
DATE	APPROVED	DATE	PROJ. NO.
			55ES1720C



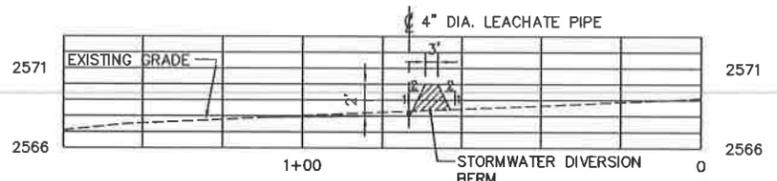
SECTION A  
 SCALE: 1"=20' HORIZ.  
 1"=5' VERT.



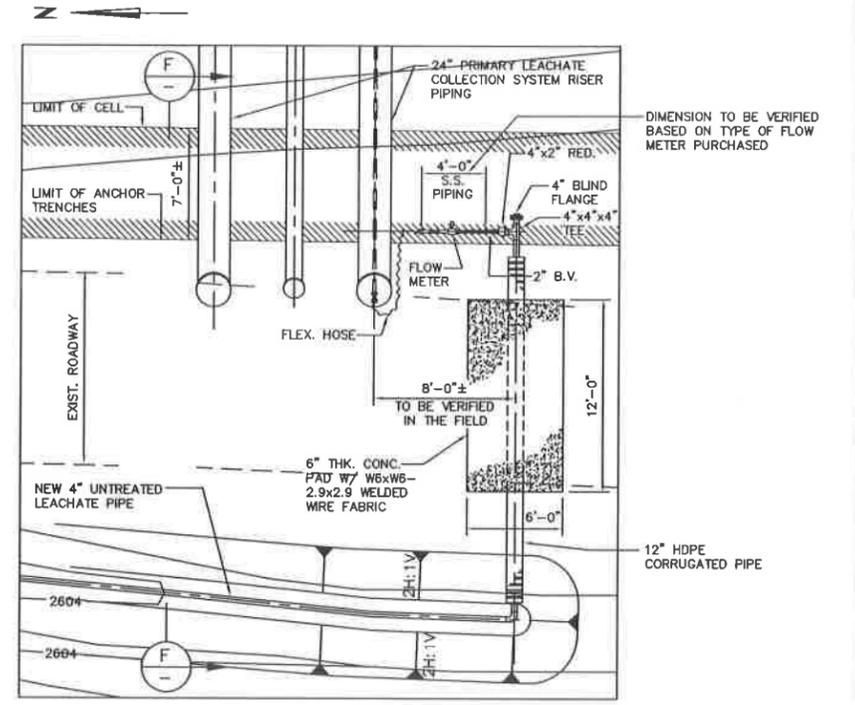
SECTION B  
 SCALE: 1"=20' HORIZ.  
 1"=5' VERT.



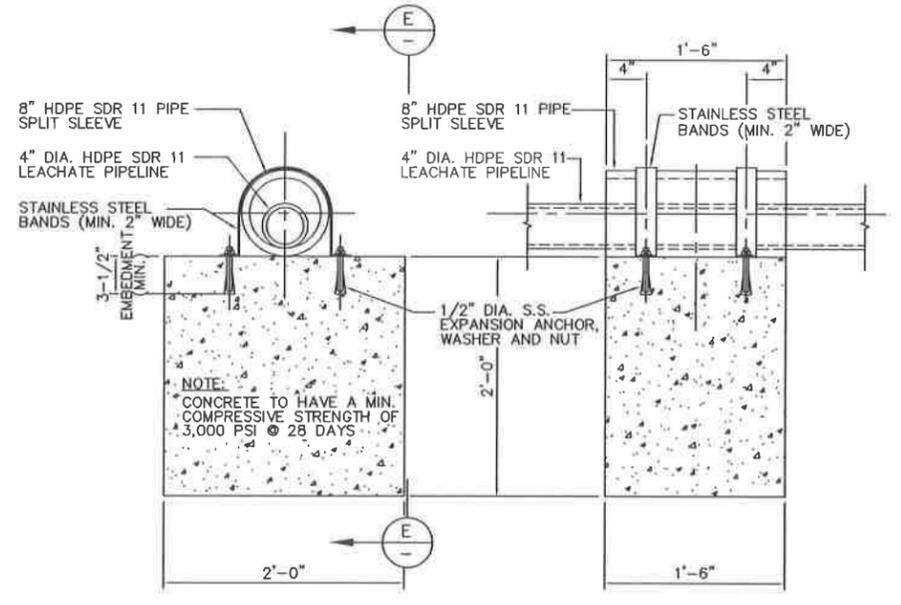
SECTION C  
 SCALE: 1"=20' HORIZ.  
 1"=5' VERT.



SECTION D  
 SCALE: 1"=20' HORIZ.  
 1"=5' VERT.

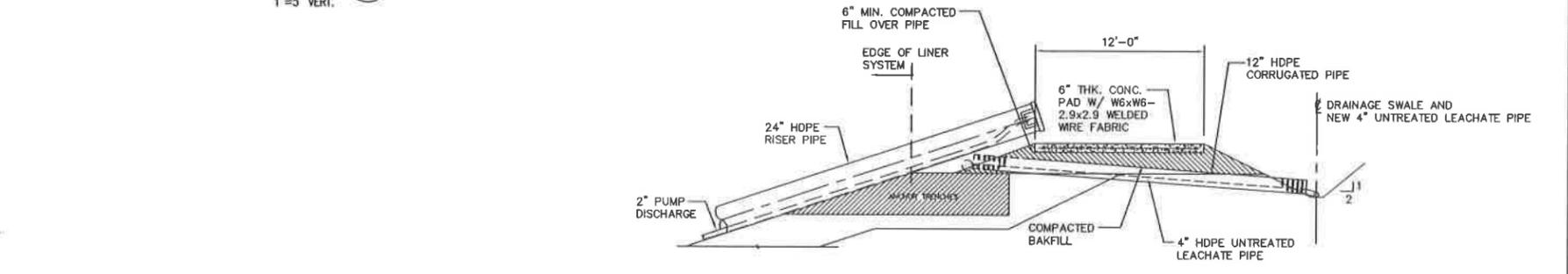


DETAILED PLAN RISER CONNECTION AND ROAD CROSSING  
 SCALE: 1"=5'

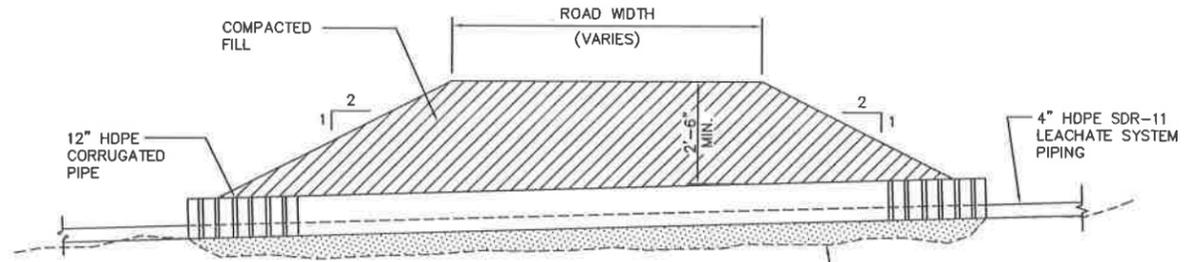


TYPICAL GUIDE DETAIL  
 DETAIL 2  
 SCALE: 3/4"=1'-0"  
 G01

SECTION E  
 SCALE: 3/4"=1'-0"  
 G01



SECTION F  
 SCALE: 1"=5'  
 G01



TYPICAL ROADWAY CROSSING DETAIL  
 DETAIL 3  
 SCALE: N.T.S.  
 G01

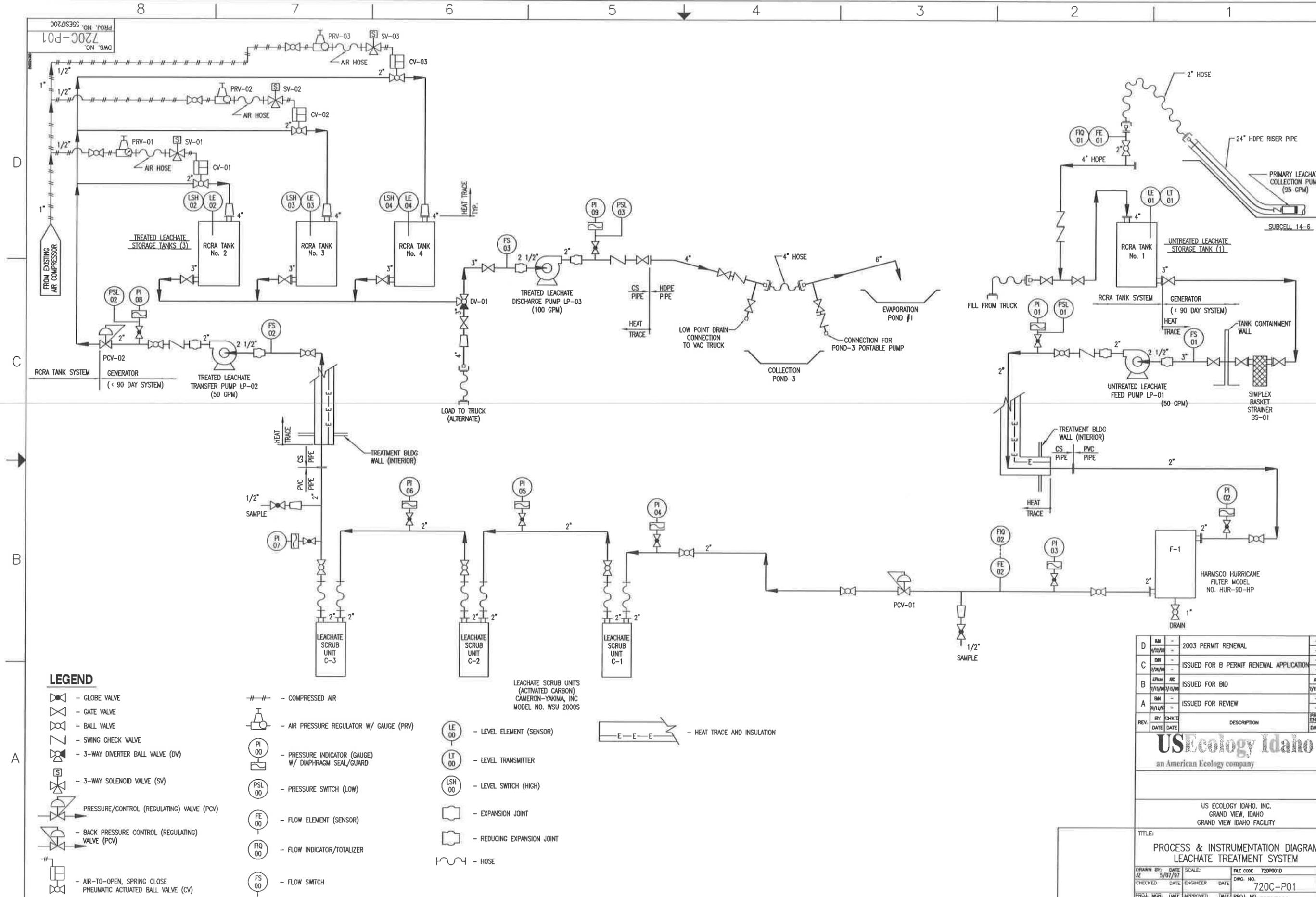
REV.	BY	CHK'D	DATE	DESCRIPTION	DATE	DATE
A	AK	ARC	7/15/07	ISSUED FOR BID	7/15/07	7/15/07
B	BM	-	7/20/07	ISSUED FOR B PERMIT RENEWAL APPLICATION	-	-
C	BM	-	5/15/08	2003 PERMIT RENEWAL	-	5/15/08

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 GRAND VIEW IDAHO FACILITY

TITLE:		PIPING LEACHATE TREATMENT SYSTEM LEACHATE PIPING SECTIONS AND DETAILS	
DRAWN BY:	DATE:	SCALE:	FILE CODE: 7200007C
CHK'D:	DATE:	ENGINEER:	DWG. NO.: 720C-G07
PROJ. MGR.:	DATE:	APPROVED:	DATE:
PROJ. NO. 55ES1720C		REV. NO. C	

720C-P01  
 Dwg. No. 720C-P01  
 Proj. No. 55ES1720C



**LEGEND**

- GLOBE VALVE
- GATE VALVE
- BALL VALVE
- SWING CHECK VALVE
- 3-WAY DIVERTER BALL VALVE (DV)
- 3-WAY SOLENOID VALVE (SV)
- PRESSURE/CONTROL (REGULATING) VALVE (PCV)
- BACK PRESSURE CONTROL (REGULATING) VALVE (PCV)
- AIR-TO-OPEN, SPRING CLOSE PNEUMATIC ACTUATED BALL VALVE (CV)
- COMPRESSED AIR
- AIR PRESSURE REGULATOR W/ GAUGE (PRV)
- PRESSURE INDICATOR (GAUGE) W/ DIAPHRAGM SEAL/GUARD
- PRESSURE SWITCH (LOW)
- FLOW ELEMENT (SENSOR)
- FLOW INDICATOR/TOTALIZER
- FLOW SWITCH
- LEVEL ELEMENT (SENSOR)
- LEVEL TRANSMITTER
- LEVEL SWITCH (HIGH)
- EXPANSION JOINT
- REDUCING EXPANSION JOINT
- HOSE
- HEAT TRACE AND INSULATION

D	1/21/03	2003 PERMIT RENEWAL	-	AI
C	2/24/03	ISSUED FOR B PERMIT RENEWAL APPLICATION	-	-
B	2/15/03	ISSUED FOR BID	AC	IL
A	8/12/02	ISSUED FOR REVIEW	-	-
REV.	BY	CHK'D	DESCRIPTION	PROJ. ENGR
	DATE	DATE		DATE

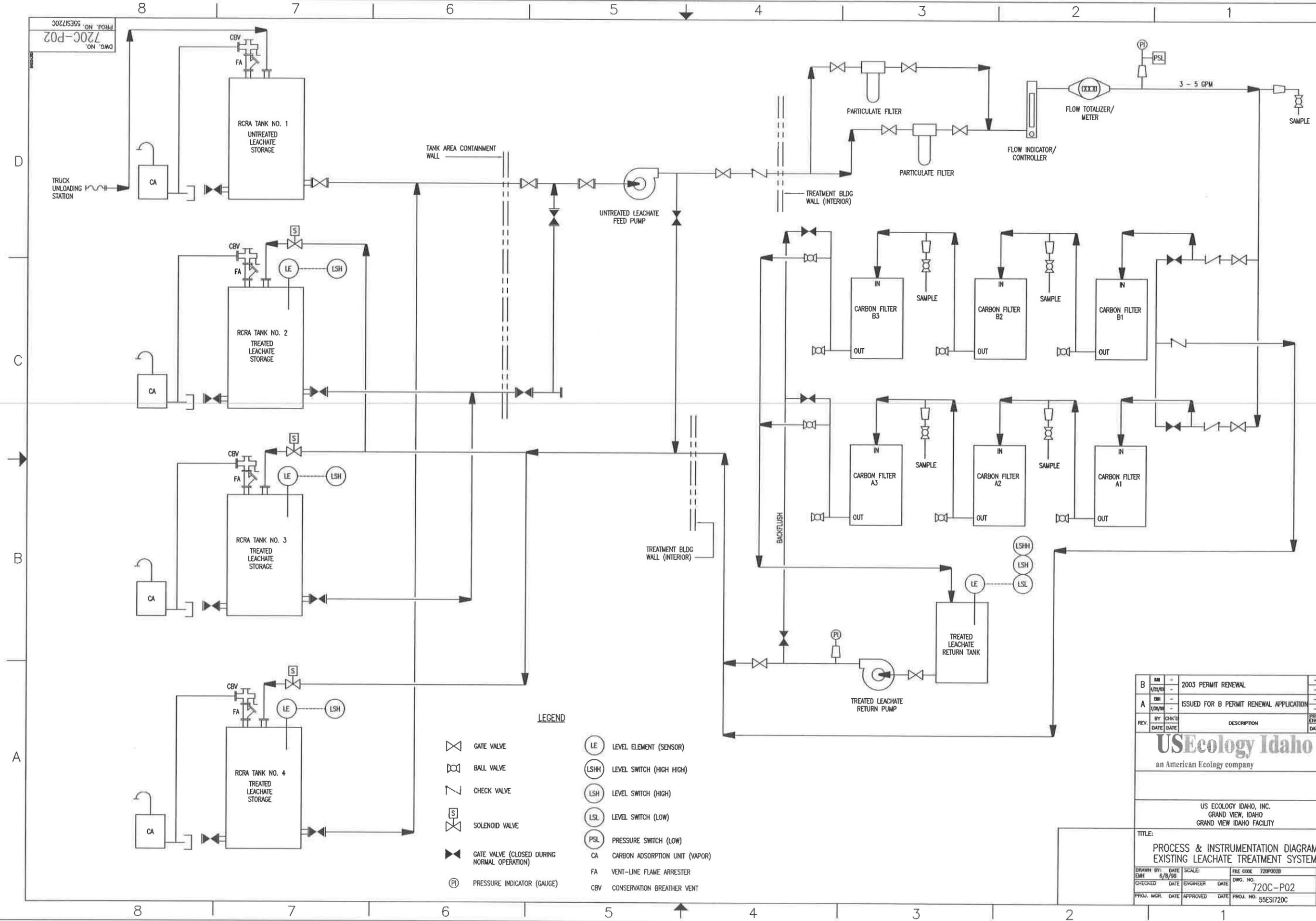
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US ECOLOGY IDAHO, INC.  
 GRAND VIEW, IDAHO  
 GRAND VIEW IDAHO FACILITY

TITLE: **PROCESS & INSTRUMENTATION DIAGRAM  
 LEACHATE TREATMENT SYSTEM**

DRAWN BY:	DATE:	SCALE:	FILE CODE:	720P010	REV. NO.:
JZ	5/07/97		DWG. NO.:	720C-P01	D
CHECKED:	DATE:	ENGINEER:	DATE:		
PROJ. MGR:	DATE:	APPROVED:	DATE:	PROJ. NO. 55ES1720C	

PROJ. NO. 55ES1720C  
 DWG. NO. 720C-P02



**LEGEND**

- GATE VALVE
- BALL VALVE
- CHECK VALVE
- SOLENOID VALVE
- GATE VALVE (CLOSED DURING NORMAL OPERATION)
- PRESSURE INDICATOR (GAUGE)
- LEVEL ELEMENT (SENSOR)
- LEVEL SWITCH (HIGH HIGH)
- LEVEL SWITCH (HIGH)
- LEVEL SWITCH (LOW)
- PRESSURE SWITCH (LOW)
- CA CARBON ADSORPTION UNIT (VAPOR)
- FA VENT-LINE FLAME ARRESTER
- CBV CONSERVATION BREATHER VENT

B	MM	-	2003 PERMIT RENEWAL	-	#1
A	MM	-	ISSUED FOR B PERMIT RENEWAL APPLICATION	-	-
REV.	BY	CHK'D	DESCRIPTION	PROJ. ENGR.	SUPV. ENGR.
DATE	DATE	DATE		DATE	DATE

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US ECOLOGY IDAHO, INC.  
 GRAND VIEW, IDAHO  
 GRAND VIEW IDAHO FACILITY

TITLE: PROCESS & INSTRUMENTATION DIAGRAM EXISTING LEACHATE TREATMENT SYSTEM					
DRAWN BY:	DATE:	SCALE:	FILE CODE:	720P002B	REV. NO.:
EMH	6/8/98		DWG. NO.:	720C-P02	B
CHECKED:	DATE:	ENGINEER:	DATE:	PROJ. NO.:	55ES1720C

May 2014 USEI Permit  
Application Section  
Reference

Drawing Number

Drawing Title

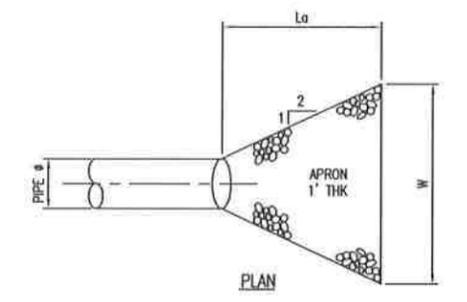
Surface Impoundments and Surface Water Drainage

PRMI-D01	Facility - Surface Drainage Plan Existing Conditions	D, N
PRMI-D02	Facility - Surface Drainage Plan Interim Conditions	N
PRMI-D03	Facility Surface Drainage Plan Final at Closure	N
PRMI-D05	Civil - Surface Water Typical Drainage Details	D, N
PRMI-D06	Civil - Collection Ponds Nos. 1, 2, & 3 Plan Sections and Details	D, I, N
PRMI-D07	Civil - Collection Ponds Nos. 1, 2, & 3 Plan Sections and Details	D, I, N
PRMI-D08	Civil - Final Closure - Cap Drainage Section and Details	N
PRMI-L41	Civil - Evaporation Pond Typical Plans, Section, and Details	D, I, M
52-01-09	Cell 15 - Site Drainage Existing Conditions and Interim Phase	D





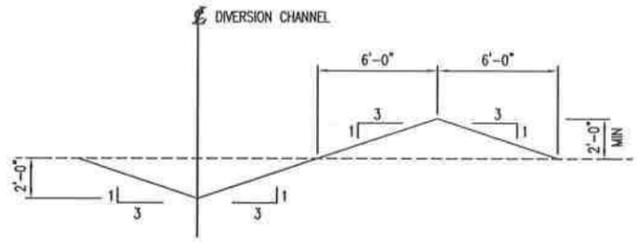




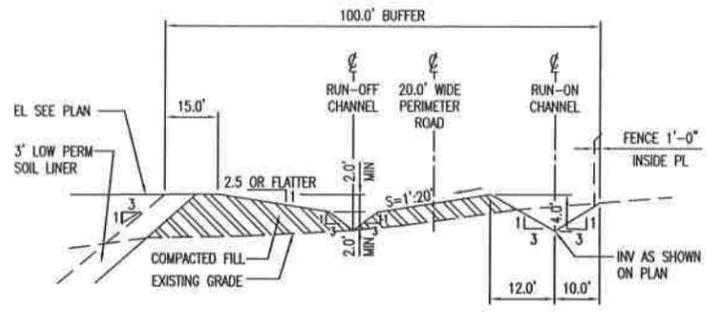
PIPE Ø	La	W	d <sub>50</sub>
18"	10'	11.5'	6"
24"	12'	14'	8"

NOTE:  
d is the stone size which 50% of the rip rap mixture by weight is larger than that size.

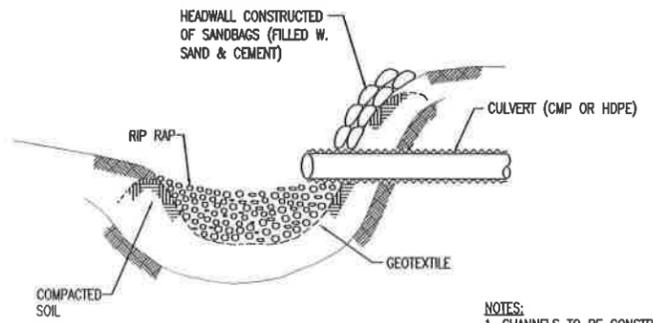
**CULVERT OUTLET PROTECTION**  
(TYPICAL FOR CULVERTS & CMP FLUMES)  
SCALE: NTS



**DIVERSION BERM**  
SCALE: 1/4"=1'-0"

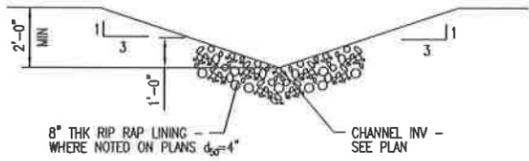


**TYPICAL PERIMETER ROAD**  
SCALE: NTS



**TYPICAL INLET PROTECTION AT CULVERTS**  
SCALE: NTS

- NOTES:
- CHANNELS TO BE CONSTRUCTED AT LOCATIONS SHOWN ON PLANS. CHANNELS TO BE MIN 0.0033 FT/FT & MAX 0.167 FT/FT SLOPE. CHANNEL SLOPE SHOULD FOLLOW EXISTING TOPOGRAPHY WHERE POSSIBLE TO MINIMIZE CUT & FILL REQUIREMENTS.
  - CHANNEL BENDS SHALL BE RIP RAP LINED (d=4") 1' THK. LINING SHALL EXTEND MIN 10'-0" DOWNSTREAM FROM BEND.



**TYPICAL DIVERSION AND/OR INTERCEPTOR CHANNEL**  
SCALE: 3/8"=1'-0"

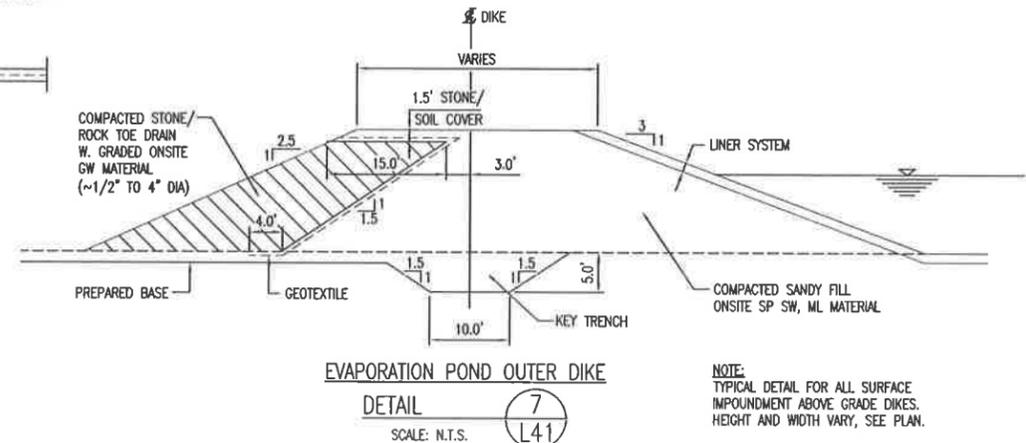
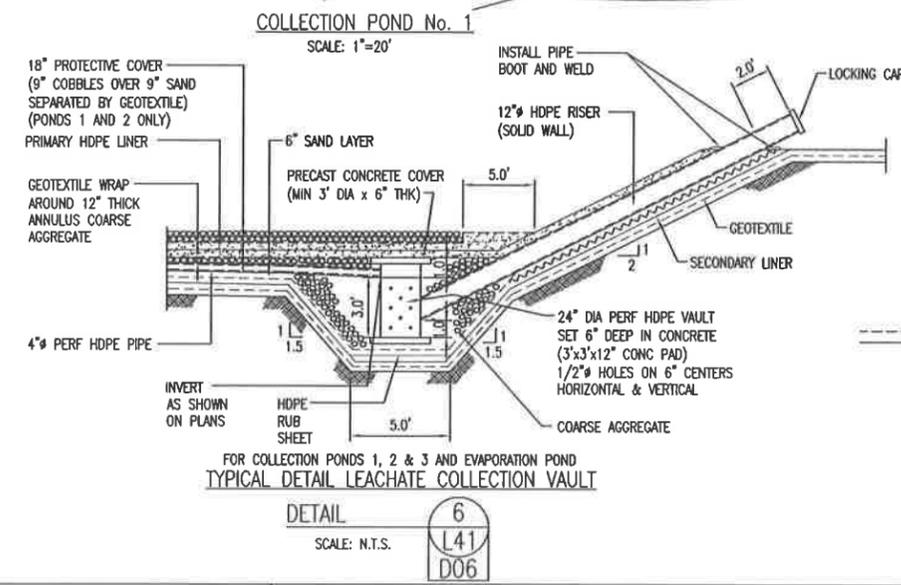
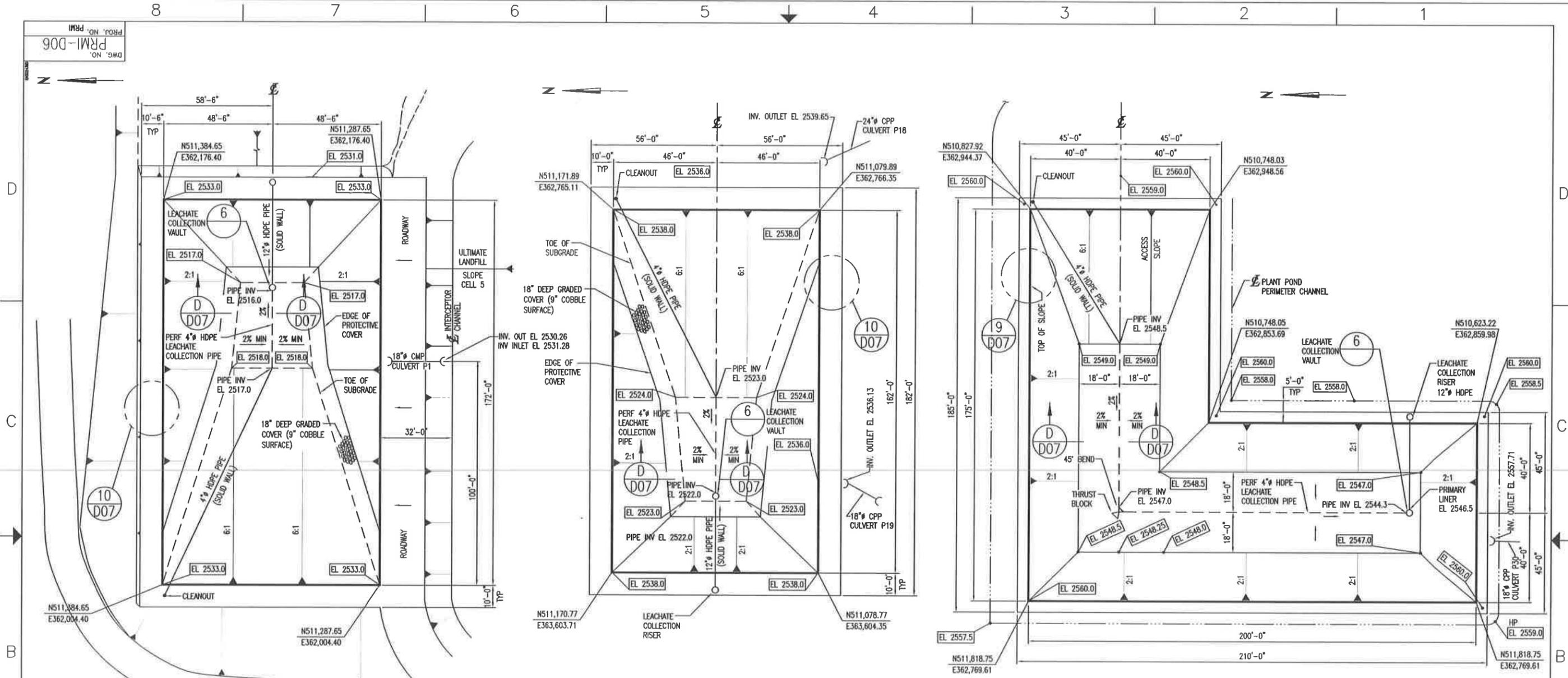
REV.	BY	CHK'D	DATE	DATE	DESCRIPTION	PROJ. ENGR.	SUPV. ENGR.
B	JZ	-	4/22/98	-	2003 PERMIT RENEWAL	-	JL
A	JK	-	3/7/98	-	ISSUED FOR PART B PERMIT RENEWAL APPLICATION 08/12/98	-	-

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SITE B  
GRAND VIEW, IDAHO  
US EPA ID NO. IDD 073 114 654

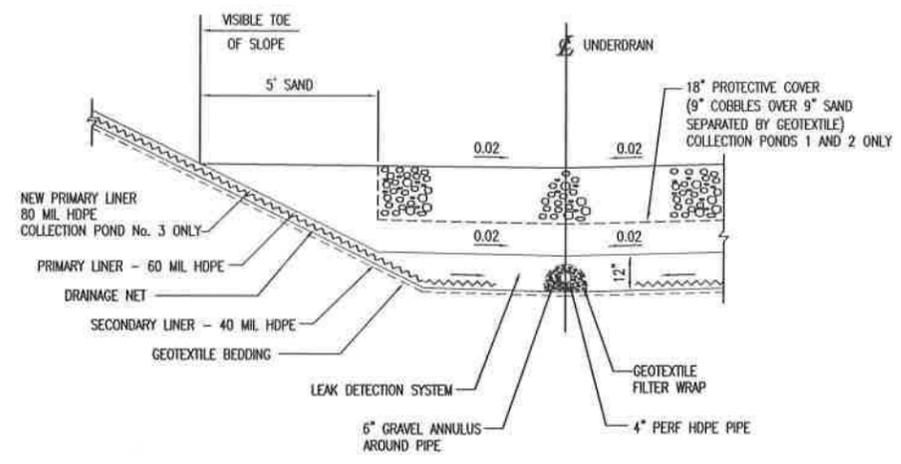
TITLE:  
CIVIL  
SURFACE WATER  
TYPICAL DRAINAGE DETAILS

DRWN BY:	DATE:	SCALE:	FILE CODE:	REV. NO.:
JZ	3/12/98		NDAD050	
CHECKED:	DATE:	ENGINEER:	DATE:	DWG. NO.:
				PRM-D05
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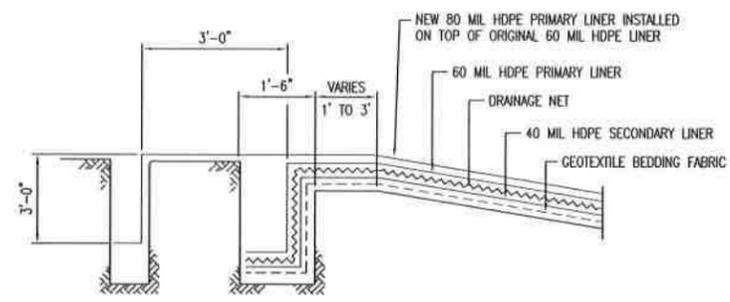


B	MI	-	2003 PERMIT RENEWAL	-	MI
A	MI	-	ISSUED FOR PART B PERMIT RENEWAL APPLICATION	-	MI
REV.	BY	CHK'D	DESCRIPTION	DATE	DATE
<b>USEcology Idaho</b> an American Ecology company					
SITE B GRAND VIEW, IDAHO US EPA ID NO. RDD 073 114 654					
TITLE: CIVIL COLLECTION PONDS Nos. 1, 2, & 3 PLANS, SECTIONS & DETAILS					
DRAWN BY:	DATE:	SCALE:	FILE CODE:	PRM006B	REV. NO.
JZ	3/11/98		DWG. NO.:	PRM-006	B
CHECKED:	DATE:	ENGINEER:	DATE:	PRM-006	
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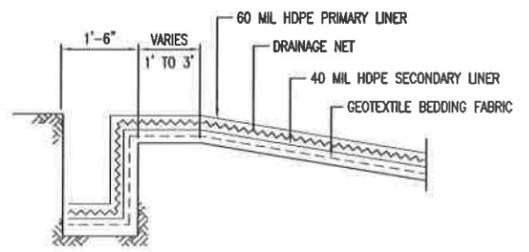
DWG. NO. PRMI-D07  
 PROJ. NO. PRMI



SECTION D-D  
 SCALE: N.T.S. D06



LINER ANCHOR TRENCH DETAIL  
 FOR COLLECTION POND No. 3  
 DETAIL 9  
 SCALE: N.T.S. D06



LINER ANCHOR TRENCH DETAIL  
 FOR POND No. 1 AND 2  
 DETAIL 10  
 SCALE: N.T.S. D06

REV.	BY	CHK'D	DATE	DATE	DESCRIPTION	PROJ. ENGR.	SUPV. ENGR.	DATE	DATE
C	MM	-	4/22/98	-	2003 PERMIT RENEWAL	-	MM	-	4/22/98
B	MM	-	1/13/99	-	ISSUED FOR JANUARY 1999 CLASS 3 PERMIT MODIFICATION	-	-	-	-
A	MM	-	1/26/99	-	ISSUED FOR PART B PERMIT RENEWAL APPLICATION	-	-	-	-

**USEcology Idaho**  
 an American Ecology company

SITE B  
 GRAND VIEW, IDAHO  
 US EPA ID NO. IDD 073 114 654

TITLE:  
 CIVIL  
 COLLECTION PONDS Nos. 1, 2 & 3  
 SECTIONS & DETAILS

DRAWN BY: MK	DATE: 12/20/98	SCALE:	FILE CODE: PRMI007C	REV. NO.:
CHECKED:	DATE:	ENGINEER:	DATE:	DWG. NO. PRMI-D07
PROJ. MGR.:	DATE:	APPROVED:	DATE:	PROJ. NO. PRMI

A

B

C

D

D

C

B

A

8

7

6

5

4

3

2

1

8

7

6

5

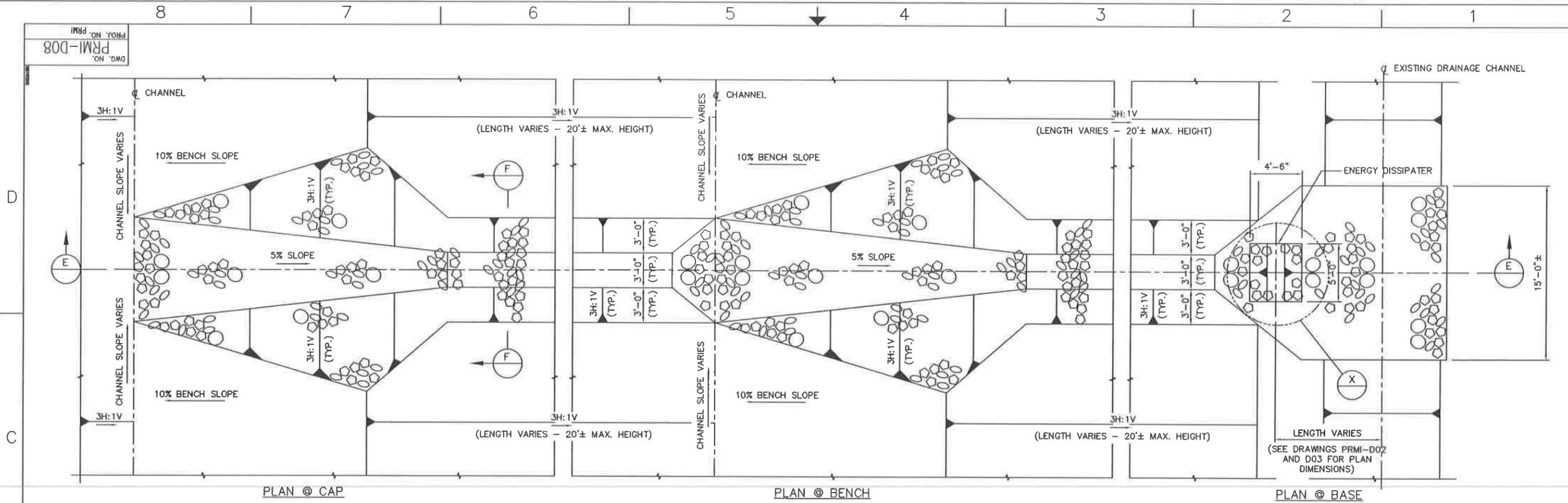
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3

2

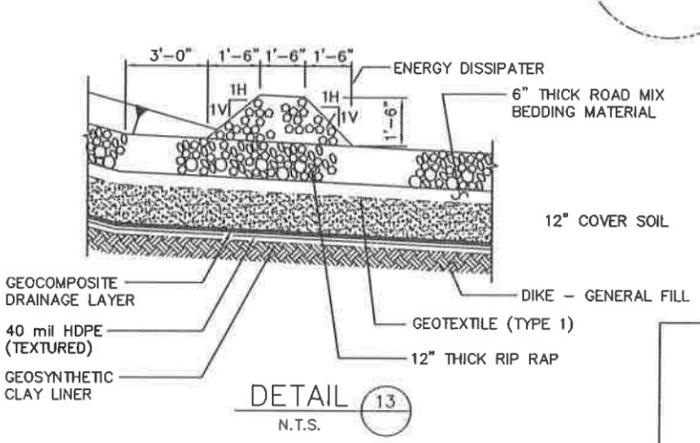
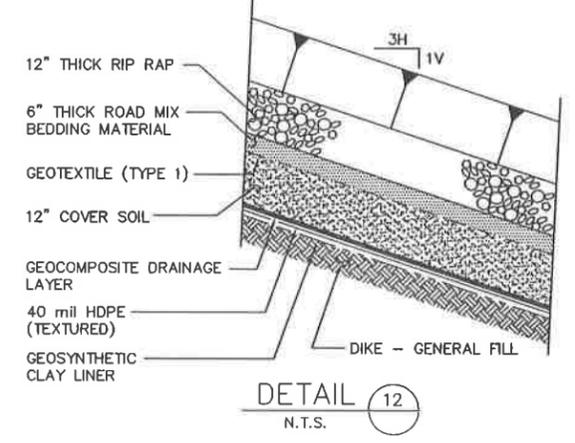
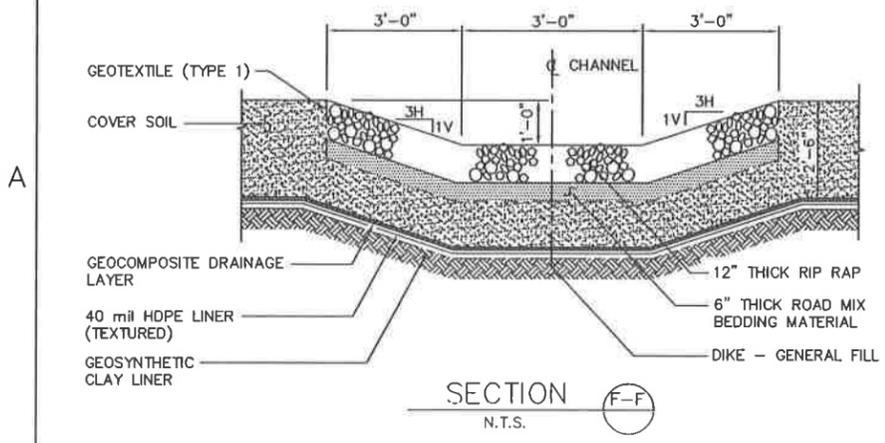
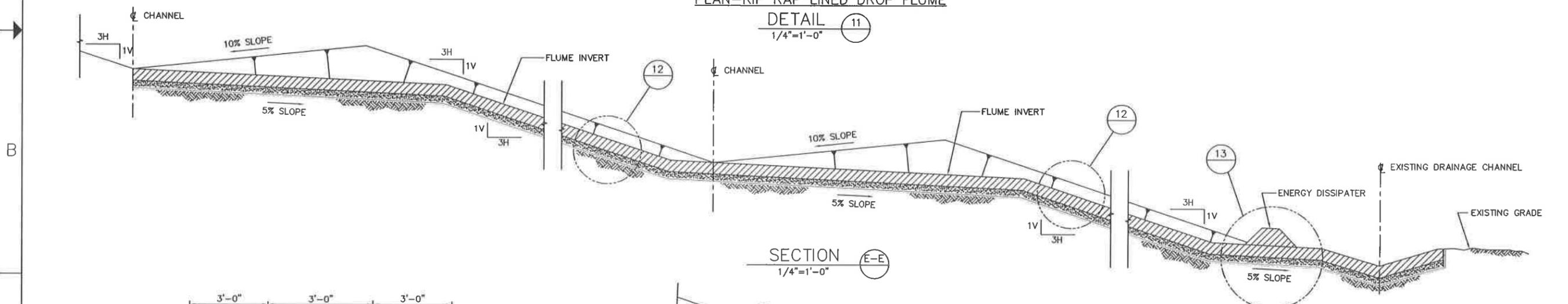
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DWG. NO. PRM-D08  
 PROJ. NO. PRM



PLAN- RIP RAP LINED DROP FLUME

DETAIL 11  
 1/4"=1'-0"



REV.	BY	CHK'D	DATE	DATE	DESCRIPTION	PROJ. ENGR.	SUPV. ENGR.
B	MM	-	2/24/03	-	2003 PERMIT RENEWAL	-	MM
A	-	-	-	-	ISSUED FOR PART B PERMIT RENEWAL APPLICATION	-	-

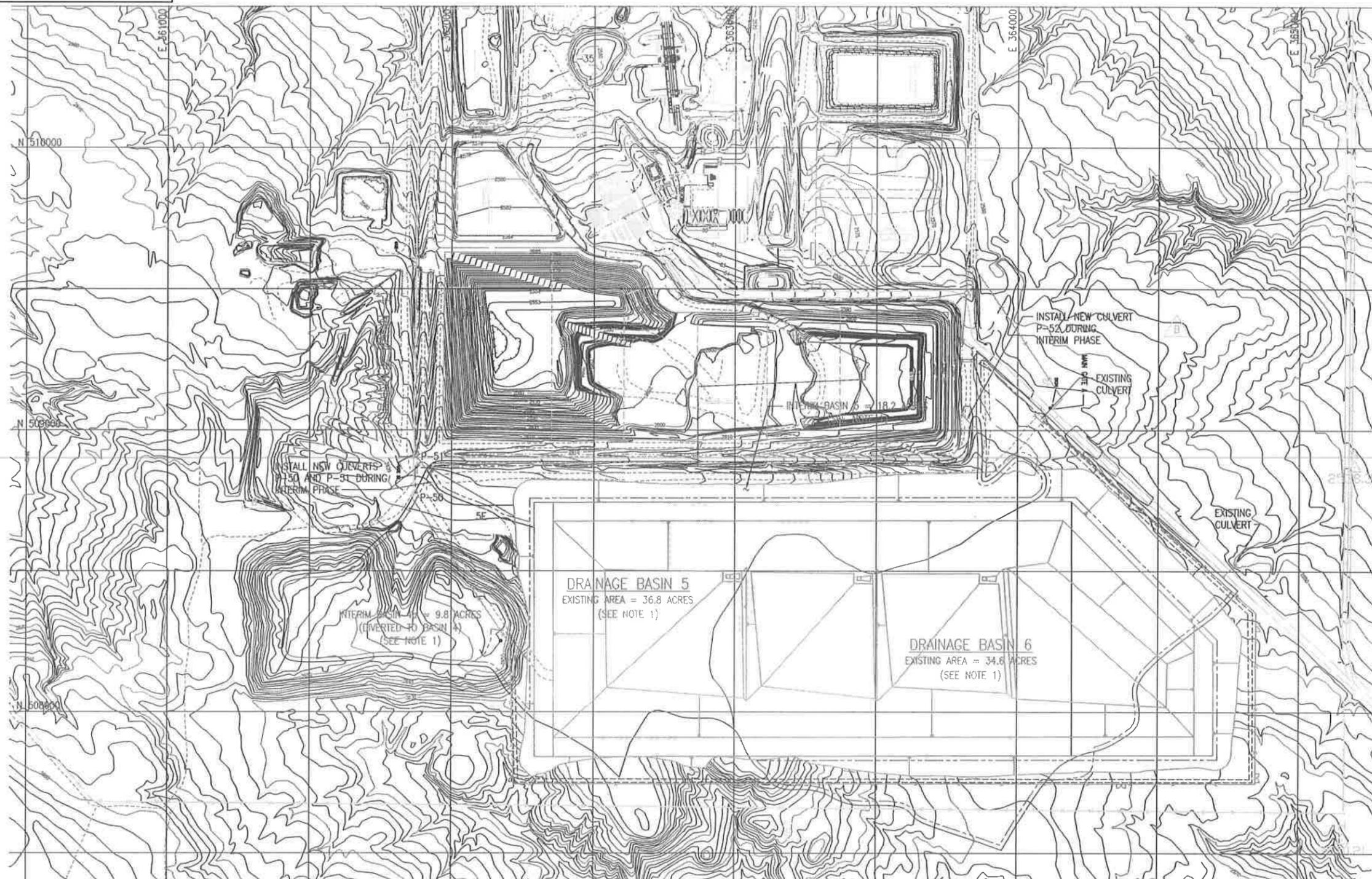
**USEcology Idaho**  
 an American Ecology company

SITE B  
 GRAND VIEW, IDAHO  
 US EPA ID NO. IDD 073 114 654

TITLE:  
 CIVIL  
 FINAL CLOSURE - CAP DRAINAGE  
 SECTIONS AND DETAILS

DRAWN BY:	DATE	SCALE:	FILE CODE:	PRM0088	REV. NO.
MM	7/06/98		DWG. NO.	PRM-D08	B
CHECKED:	DATE	ENGINEER:	DATE		
PROJ. MGR.:	DATE	APPROVED:	DATE	PROJ. NO.	PRM





REV	DATE	DESCRIPTION	PE	DEPT MGR
C	9/08	CELL 15 MODIFICATIONS		VJT

NOTES

1. DRAINAGE BASINS ARE USED FOR CALCULATING STORM WATER RUNOFF TO SURROUNDING DRAINAGES. EXISTING AREA IS STORM WATER CONTRIBUTION PRIOR TO CONSTRUCTION. INTERIM AREA IS STORM WATER CONTRIBUTION DURING CONSTRUCTION AND OPERATIONS PRIOR TO COVER PLACEMENT. DURING OPERATIONS, STORM WATER FALLING WITHIN CELL 15 FOOTPRINT WILL BE CONTAINED AND TREATED.

LEGEND

- EXISTING DRAINAGE BASIN LIMIT
- - - INTERIM DRAINAGE BASIN LIMIT
- - - DRAINAGE CHANNEL (INTERIM PHASE)
- - - CELL 15 CONTAINED DRAINAGE (MAXIMUM AREA - INTERIM PHASE)

REFERENCE DRAWINGS

DRAWING NO.	DRAWING TITLE

**US Ecology Idaho**  
an American Ecology company

GRAND VIEW FACILITY  
LANDFILL CELL 15  
SITE DRAINAGE  
EXISTING CONDITIONS  
AND INTERIM PHASE



DRAWN BY L. HAYS	CHECKED BY ENG MGR APPR	WORK ORDER NUMBER 25124	REV C
DESIGNED BY J. BESSAW		DRAWING NUMBER 52-01-09	

DESIGNATION	DIA (IN)	MATERIAL	LENGTH (FT)	MANNING'S N VALUE	INV EL INLET	INV EL OUTLET	TOP EM-BANKMENT	SLOPE	DESIGN FLOW* (CFS)	OUTLET VEL (FPS)	OUTLET PROTECTION
P50	18	CMP	50	.025	2612.00	2611.50	2616	.010	2	3.6	NONE
P51	18	CMP	50	.025	2611.10	2610.60	2616	.010	2	3.6	NONE
P52	18	CMP	50	.025	**	**	2570	.010	<1 ***	2.8	NONE

	BASIN ID	AREA (ACRES)	Tc (HRS)	25-YR DISCHARGE (CFS)
EXISTING	5	36.8	0.85	3
	6	34.6	0.75	3
INTERIM	5	18.2	0.26	2
	6	15.0	0.51	2

STORM DISCHARGES WERE BASED ON A CN, CURVE NUMBER, VALUE OF 73.  
Tc, TIME OF CONCENTRATION, WAS COMPUTED USING THE METHOD OUTLINED IN SOIL CONSERVATION SERVICE TR-55 MANUAL.

CHANNEL DESIGNATION	PEAK FLOW* (CFS)	DESIGN VELOCITY (FPS)	SLOPE	DEPTH (FT)	FLOW DEPTH (FT)	SIDE-SLOPE (H:V)	LINING			MANNING'S N VALUE
							TYPE	THICKNESS	D50 (IN)	
5E	2	3.9	.033	2	.4	3:1	EARTH	NA	NA	.023
5F	<1**	3.3	.033	2	.3	3:1	EARTH	NA	NA	.023
5G	<1	3.8	.049	2	.3	3:1	EARTH	NA	NA	.023
5H	<1	4.1	.057	2	.3	3:1	EARTH	NA	NA	.023
6A	1	3.5	.039	2	.3	3:1	EARTH	NA	NA	.023
6B	2	4.2	.039	2	.4	3:1	EARTH	NA	NA	.023
6C	<1	3.5	.039	2	.4	3:1	EARTH	NA	NA	.023

\* PEAK FLOW BASED ON 25-YR, 24-HR DESIGN STORM.  
\*\* A MINIMUM OF ONE CFS WAS USED FOR DESIGN OF CHANNELS COLLECTING FLOW FROM SMALL BASINS.

\* PEAK FLOW BASED ON 25-YR, 24-HR DESIGN STORM.  
\*\* INVERT ELEVATIONS TO MATCH EXISTING CHANNEL INVERTS, CULVERT TO HAVE A MINIMUM SLOPE OF 0.010.  
\*\*\* A MINIMUM OF ONE CFS WAS USED FOR DESIGN OF CHANNELS COLLECTING FLOW FROM SMALL BASINS.



**US Ecology Idaho, Inc.**  
**EPA ID No.: IDD073114654**  
**Permit Renewal Application**  
**Date: May 1, 2014**

Not all drawings were updated during the permit renewal process; only drawings that had changes in content were updated. Any drawing that had changes in content also had the logo updated to the new US Ecology logo during the change process.