1242745

OU1 - RESTORATION
LIBBY ASBESTOS PROJECT
USACE CONTRACT NO. W9128F-11-D-0023
LIBBY, MT

September 2012

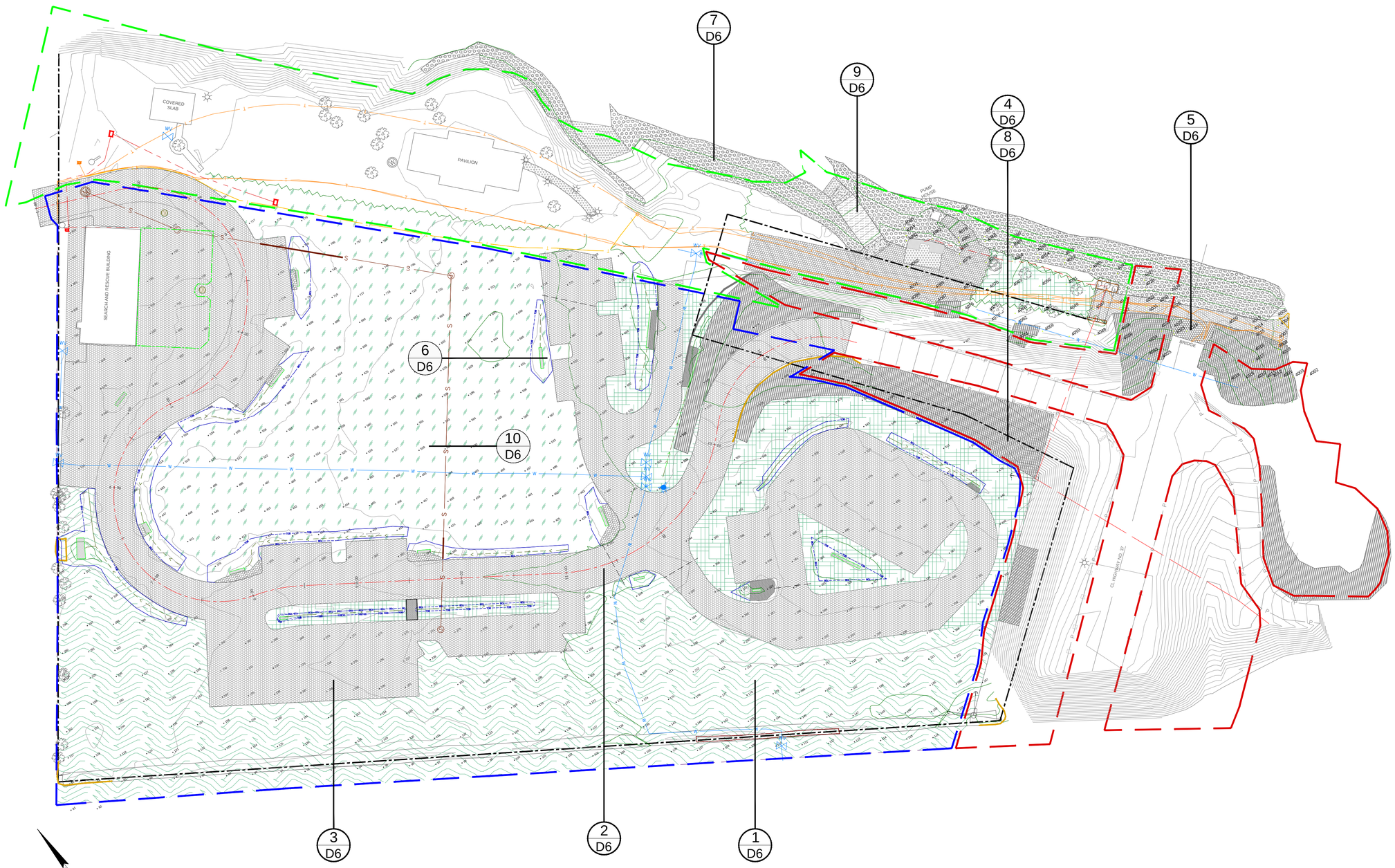
PICTURE FROM RESTORATION (CDM SMITH) 06/29/12

US EPA
Region VIII
Denver, Colorado

US ARMY CORPS OF ENGINEERS
OMAHA DISTRICT
RAPID RESPONSE PROGRAM

LIST OF DRAWINGS

SHEET	TITLE
D1	COVER SHEET – OU1
D2	RESTORATION AS–BUILT FOR OU1 – OVERVIEW
D3	RESTORATION AS–BUILT FOR OU1 – AREA 1
D4	RESTORATION AS–BUILT FOR OU1 – AREA 2
D5	RESTORATION AS–BUILT FOR OU1 – AREA 3
D6	RESTORATION AS–BUILT FOR OU1 – DETAILS
D7	RESTORATION AS–BUILT FOR OU1 – SPOT ELEVATIONS
D8	RESTORATION AS–BUILT FOR OU1 – MODIFICATION LOG



LEGEND

- EXISTING CONCRETE
- NEW CONCRETE
- DRAIN ROCK TRENCH
- ROCK TRENCH GRAVEL
- RIP RAP
- GRAVEL ROAD
- EROSION MAT
- ARMOR FLEX
- HYDROSEED KOOTENAI USFS MIX
- HYDROSEED PLAYGROUND MIX
- HYDROSEED WILDFLOWER MIX
- AREA 1 - FORMER EXPORT PLANT
- AREA 2 - RIVERFRONT PARK
- AREA 3 - EMBANKMENTS
- MUNICIPAL WATER MAIN
- NEW MUNICIPAL SANITARY SEWER
- NEW TELEPHONE AND CABLE LINES
- BURIED TELEPHONE AND CABLE LINES
- EDGE OF GRASS
- EDGE OF PAVEMENT
- OVERHEAD UTILITY LINE
- BURIED POWER LINE
- FOAM INSULATION ABOVE SEWER MAIN
- PROPERTY BOUNDARY
- DAVIS CONTROL POINT
- COMPUTED BOUNDARY LOCATIONS PER C.O.S. 2332 LCR
- MISCELLANEOUS TREES
- UTILITY POLES
- CHAIN LINK FENCE
- LIGHT POST
- RAIL ROAD TIE POSTS
- WATER MAIN
- MONITOR WELL
- SEWER MANHOLE
- FIRE HYDRANT
- IRRIGATION VALVE
- STRAW WATTLES
- GUARDRAIL
- GUY WIRE
- SEWER DRAIN
- UTILITY VAULT
- TELEPHONE PEDESTAL
- PIPE CHASE
- TIMBER BOX
- AREA WITH NO MARKER BARRIER
- HIGH DENSITY POLYETHYLENE

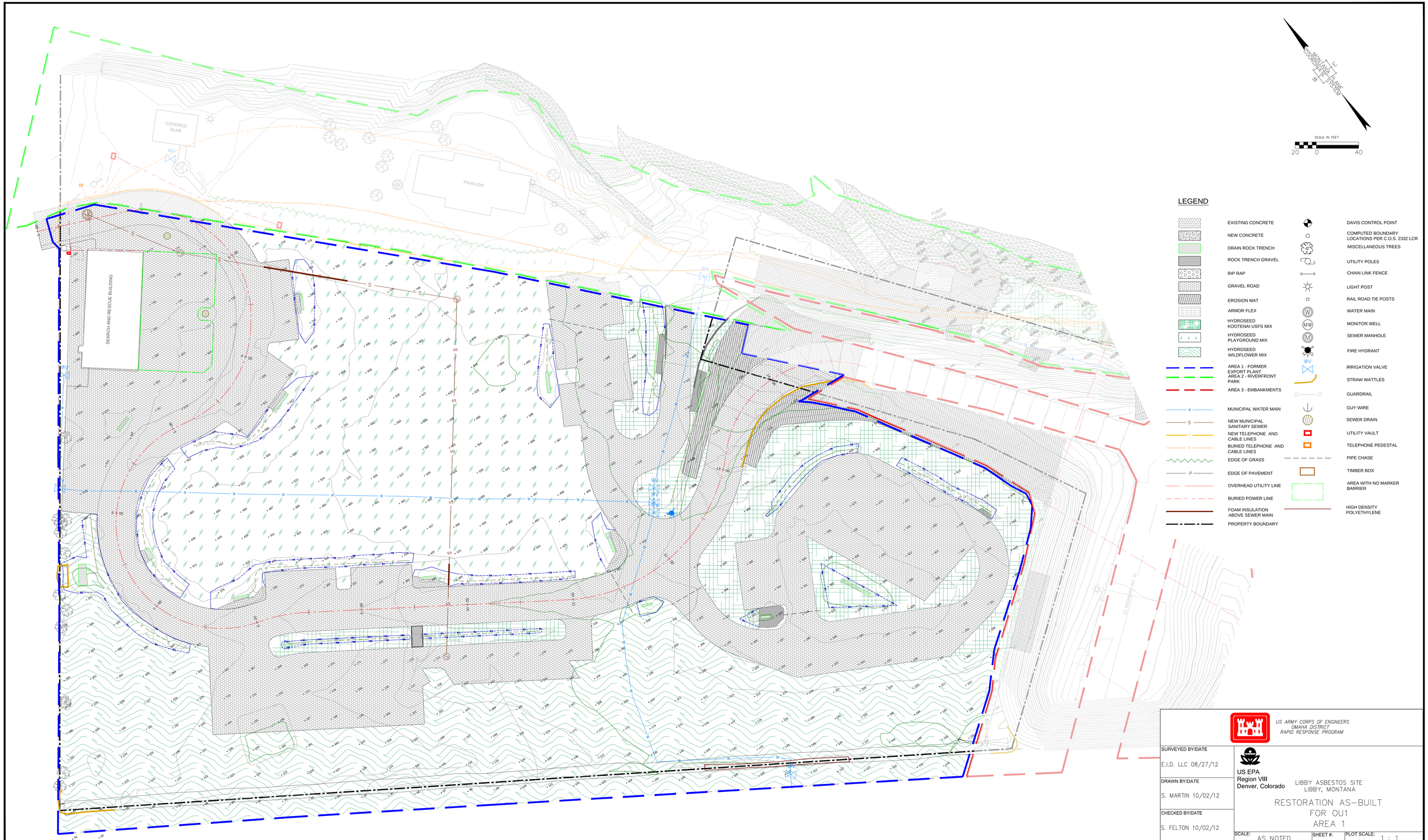
US ARMY CORPS OF ENGINEERS
OMAHA DISTRICT
RAPID RESPONSE PROGRAM

US EPA
Region VIII
Denver, Colorado

LIBBY ASBESTOS SITE
LIBBY, MONTANA

RESTORATION AS-BUILT
FOR OU1
OVERVIEW

SURVEYED BY/DATE	E.I.D. LLC 08/27/12
DRAWN BY/DATE	S. MARTIN 10/02/12
CHECKED BY/DATE	S. FELTON 10/02/12
SUBMITTED BY / DATE:	S. FELTON 10/02/12
SCALE:	AS NOTED
SHEET #:	D2
PLOT SCALE:	1 : 1
DRAWING TYPE:	AS-BUILT
DATE:	10/02/12
FILE LOCATION:	..\2012 PROPERTIES\OU1\CAD\AS-BUILT.DWG



US ARMY CORPS OF ENGINEERS
OMAHA DISTRICT
RAPID RESPONSE PROGRAM

SURVEYED BY/DATE	E.I.D. LLC 08/27/12
DRAWN BY/DATE	S. MARTIN 10/02/12
CHECKED BY/DATE	S. FELTON 10/02/12
SUBMITTED BY / DATE:	S. FELTON 10/02/12

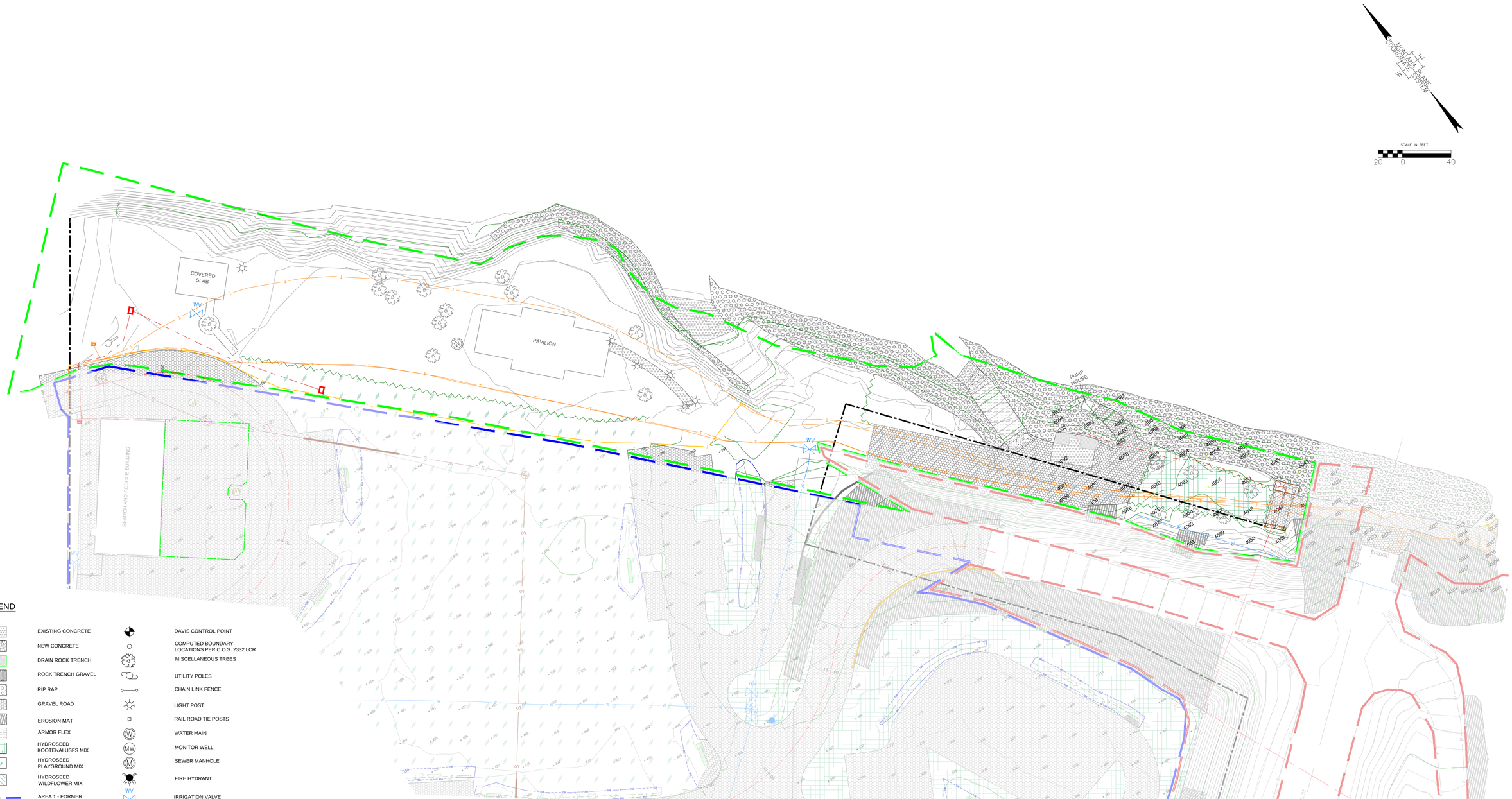
US EPA
Region VIII
Denver, Colorado

LIBBY ASBESTOS SITE
LIBBY, MONTANA

RESTORATION AS-BUILT
FOR OU1
AREA 1

SCALE: AS NOTED	SHEET #: D3	PLOT SCALE: 1 : 1	
DATE: 10/02/12		DRAWING TYPE: AS-BUILT	

FILE LOCATION: ..\2012 PROPERTIES\OU1\CAD\AS-BUILT.DWG



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US ARMY CORPS OF ENGINEERS
OMAHA DISTRICT
RAPID RESPONSE PROGRAM

SURVEYED BY/DATE	E.I.D LLC 08/27/12
DRAWN BY/DATE	S. MARTIN 10/02/12
CHECKED BY/DATE	S. FELTON 10/02/12
SUBMITTED BY / DATE:	S. FELTON 10/02/12

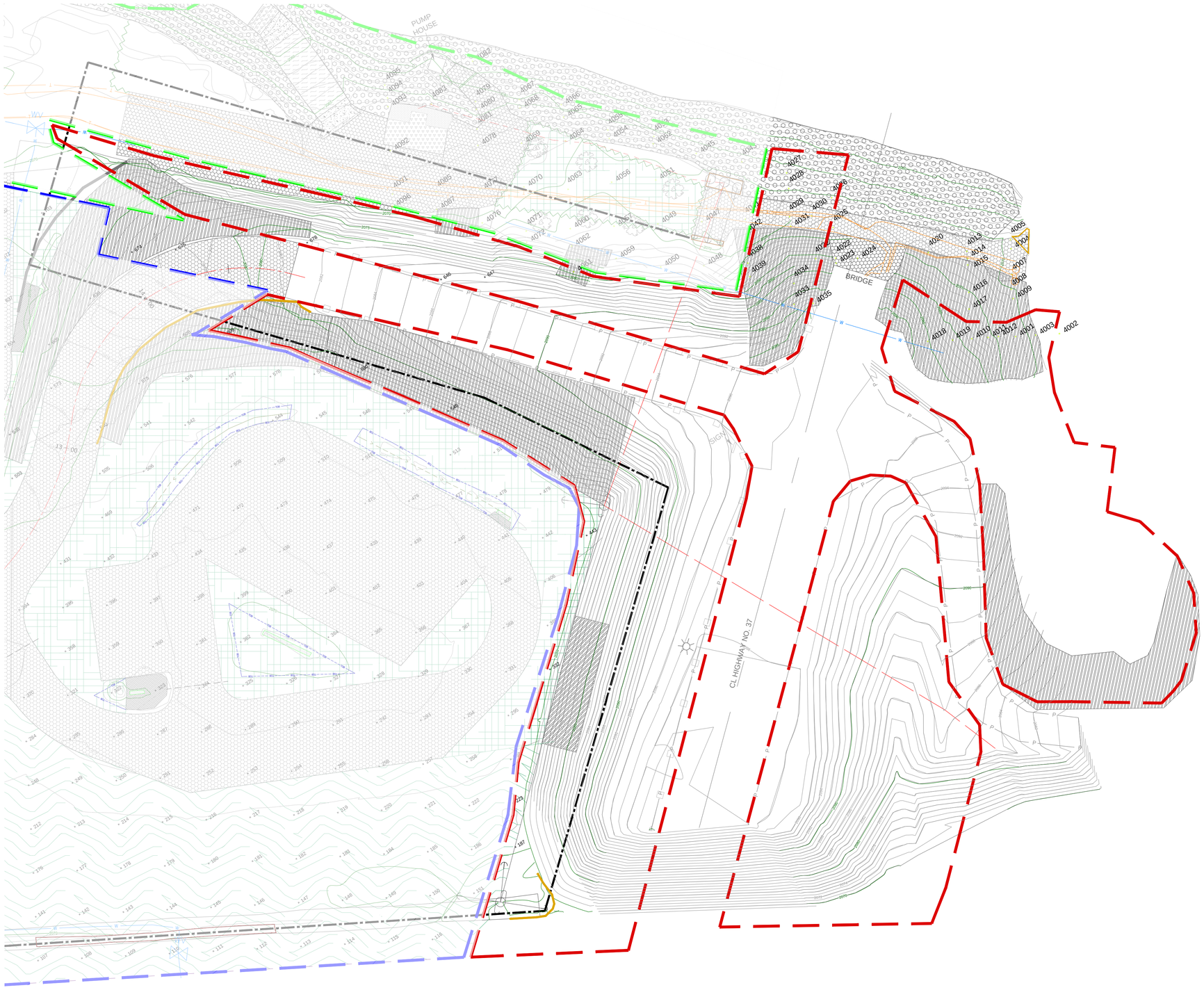
US EPA
Region VIII
Denver, Colorado

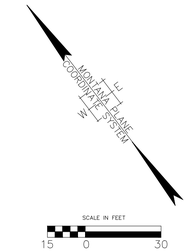
LIBBY ASBESTOS SITE
LIBBY, MONTANA

RESTORATION AS-BUILT
FOR OU1
AREA 2

SCALE: AS NOTED	SHEET #: D4	PLOT SCALE: 1 : 1	
DATE: 10/02/12		DRAWING TYPE: AS-BUILT	

FILE LOCATION: ..\2012 PROPERTIES\OU1\CAD\AS-BUILT.DWG





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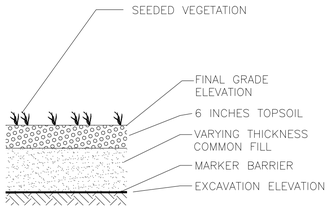
OMAHA DISTRICT
RAPID RESPONSE PROGRAM

US EPA
Region VIII
Denver, Colorado

LIBBY ASBESTOS SITE
LIBBY, MONTANA

RESTORATION AS-BUILT
FOR OU1
AREA 3

SURVEYED BY/DATE	E.I.D LLC 08/27/12
DRAWN BY/DATE	S. MARTIN 10/02/12
CHECKED BY/DATE	S. FELTON 10/02/12
SUBMITTED BY / DATE:	S. FELTON 10/02/12
SCALE:	AS NOTED
SHEET #:	D5
PLOT SCALE:	1 : 1
DATE:	10/02/12
DRAWING TYPE:	AS-BUILT
FILE LOCATION:	..\2012 PROPERTIES\OU1\CAD\AS-BUILT.DWG



SEED RESTORATION SECTION (TYPICAL) 1
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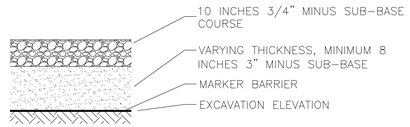

CITY SERVICE ROAD SECTION (TYPICAL) 2
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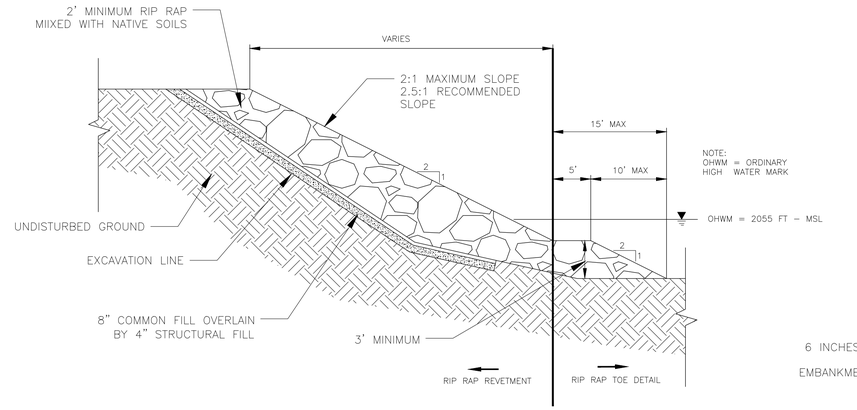
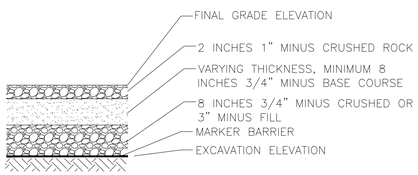


RIP RAP (TYPICAL) 7
SCALE = NTS



PARKING AREA SECITON (TYPICAL) 3
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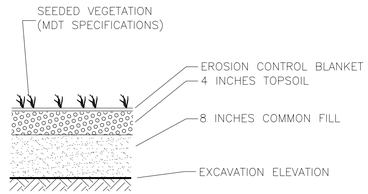

EMBANKMENT RESTORATION SECTION (TYPICAL) 4
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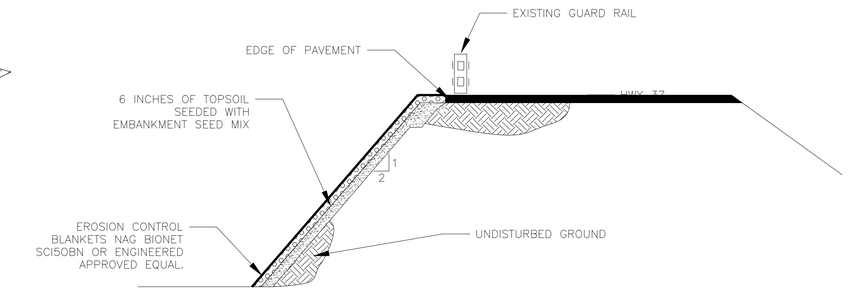

EMBANKMENT RESTORATION (TYPICAL) 8
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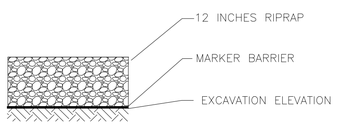

UNDER BRIDGE RESTORATION SECTION (TYPICAL) 5
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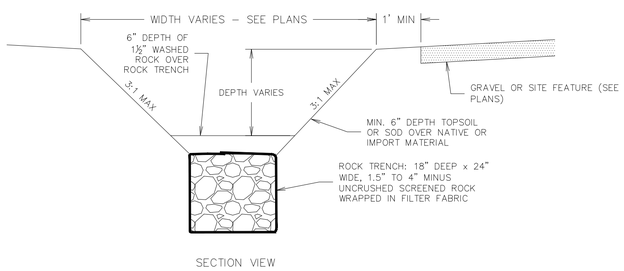
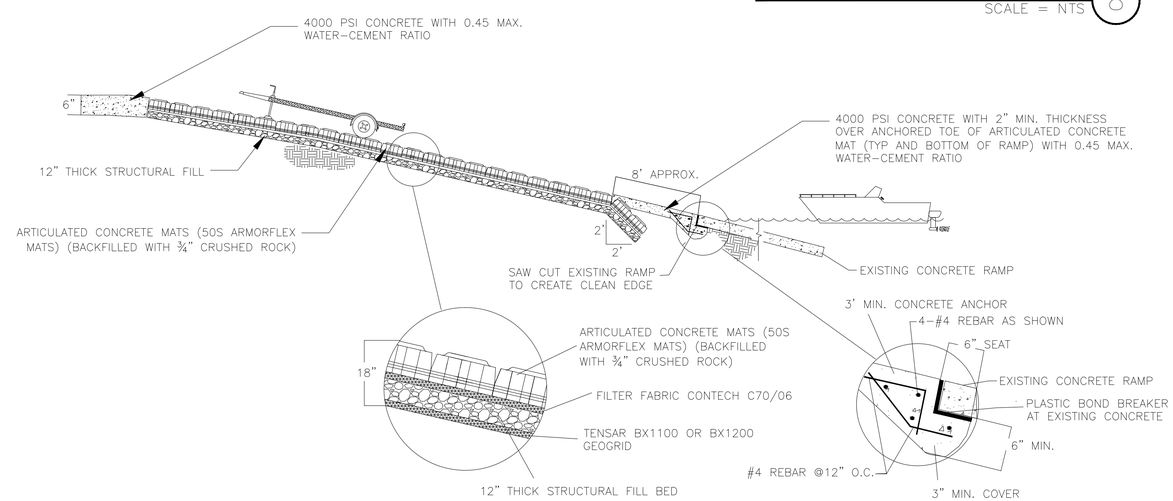
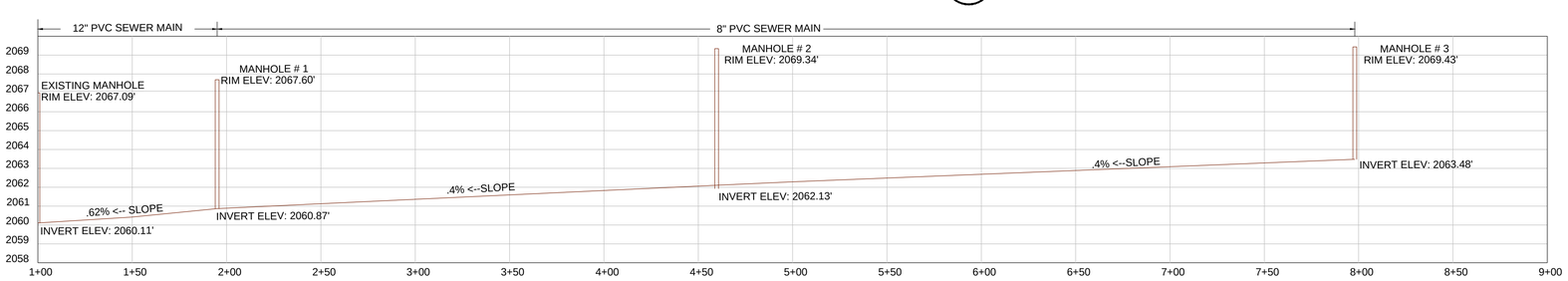


ROCK TRENCH (TYPICAL) 6
SCALE = NTS



BOAT RAMP (TYPICAL) 9
SCALE = NTS

SEWER PROFILE 10
VERTICALSCALE: 1 INCH = 4 FEET



US ARMY CORPS OF ENGINEERS
OMAHA DISTRICT
RAPID RESPONSE PROGRAM

SURVEYED BY/DATE: E.I.D LLC 08/27/12	US EPA Region VIII Denver, Colorado — LIBBY ASBESTOS SITE LIBBY, MONTANA
DRAWN BY/DATE: S. MARTIN 10/02/12	RESTORATION AS-BUILT FOR OU1 DETAILS
CHECKED BY/DATE: S. FELTON 10/02/12	SCALE: AS NOTED; SHEET #: D6; PLOT SCALE: 1 : 1
SUBMITTED BY / DATE: S. FELTON 10/02/12	DATE: 10/02/12; DRAWING TYPE: AS-BUILT
	FILE LOCATION: ..\2012 PROPERTIES\OU1\CAD\AS-BUILT.DWG

POINT	NORTHING	EASTING	DESIGN SG ELEVATION	FINAL SG EXCAVATION	DESIGN FG ELEVATION	FINAL FG ELEVATION
81	1568580.32	499701.65	2065.50		2067.00	
82	1568567.82	499723.30	2065.50		2067.00	
83	1568601.97	499714.15	2065.47		2066.97	
84	1568589.47	499735.80	2065.45		2066.95	
85	1568576.97	499757.45	2065.42		2066.92	
86	1568564.47	499779.11	2065.42		2066.92	
87	1568551.97	499800.76	2065.42		2066.92	
88	1568539.47	499822.41	2065.63		2067.13	
89	1568526.97	499844.06	2065.73		2067.23	
90	1568514.47	499865.71	2065.88		2067.38	
91	1568501.97	499887.36	2066.03		2067.53	
92	1568489.47	499909.01	2066.18		2067.68	
93	1568476.97	499930.66	2066.33		2067.83	
94	1568464.47	499952.31	2066.48		2067.98	
95	1568451.97	499973.96	2066.50		2068.00	
96	1568439.47	499995.61	2066.50		2068.00	
97	1568426.97	500017.26	2066.45		2067.95	
98	1568414.47	500038.91	2066.48		2067.98	
99	1568401.97	500060.56	2066.56		2068.06	
100	1568389.47	500082.21	2066.76		2068.26	
101	1568376.97	500103.87	2066.96		2068.46	
102	1568364.47	500125.52	2067.13		2068.63	
103	1568351.97	500147.17	2067.29		2068.79	
104	1568339.47	500168.82	2067.45		2068.95	
105	1568326.97	500190.47	2067.91		2069.41	
106	1568314.47	500212.12	2067.97		2069.47	
107	1568301.97	500233.77	2067.98		2069.48	
108	1568289.47	500255.42	2068.00		2069.50	
109	1568276.97	500277.07	2068.02		2069.52	
110	1568264.47	500298.72	2068.04		2069.54	
111	1568251.97	500320.37	2068.06		2069.56	
112	1568239.47	500342.02	2068.08		2069.58	
113	1568226.97	500363.67	2068.10		2069.60	
114	1568214.47	500385.32	2068.08		2069.58	
115	1568201.97	500406.97	2068.02		2069.52	
116	1568189.47	500428.62	2067.98		2069.48	
117	1568623.62	499726.65	2065.38		2066.88	2066.75
118	1568611.12	499748.30	2065.37	2063.59	2066.87	2066.95
119	1568598.62	499769.95	2065.35	2064.55	2066.85	2066.89
120	1568586.12	499791.61	2065.34	2064.97	2066.84	2066.94
121	1568573.62	499813.26	2065.35	2062.12	2066.85	2066.95
122	1568561.12	499834.91	2065.59	2063.06	2067.09	2067.42
123	1568548.62	499856.56	2065.86	2063.56	2067.36	2067.57
124	1568536.12	499878.21	2065.92	2065.43	2067.42	2067.54
125	1568523.62	499899.86	2066.00	2065.65	2067.50	2067.47
126	1568511.12	499921.51	2066.12	2066.06	2067.62	2067.63
127	1568498.62	499943.16	2066.27	2066.12	2067.77	2067.87
128	1568486.12	499964.81	2066.41	2066.21	2067.91	2067.90
129	1568473.62	499986.46	2066.47	2066.17	2067.97	2067.91
130	1568461.12	500008.11	2066.47	2065.78	2067.97	2067.98
131	1568448.62	500029.76	2066.43	2066.36	2067.93	2067.91
132	1568436.12	500051.41	2066.45	2066.26	2067.95	2067.93
133	1568423.62	500073.06	2066.50	2066.01	2068.00	2068.12
134	1568411.12	500094.71	2066.68	2066.46	2068.18	2068.19
135	1568398.62	500116.37	2066.88		2068.38	2068.44
136	1568386.12	500138.02	2067.08	2067.03	2068.58	2068.68
137	1568373.62	500159.67	2067.31		2068.81	2069.11
138	1568361.12	500181.32	2067.85	2067.79	2069.35	2069.63
139	1568348.62	500202.97	2068.48	2068.29	2069.98	2070.04
140	1568336.12	500224.62	2068.63	2068.56	2070.13	2070.32
141	1568323.62	500246.27	2068.62	2068.36	2070.12	2070.18
142	1568311.12	500267.92	2068.63	2068.71	2070.13	2070.27
143	1568298.62	500289.57	2068.55	2068.38	2070.05	2070.07
144	1568286.12	500311.22	2068.46	2068.37	2069.96	2070.21
145	1568273.62	500332.87	2068.40	2068.20	2069.90	
146	1568261.12	500354.52	2068.34		2069.84	2070.27
147	1568248.62	500376.17	2068.30		2069.80	2070.18
148	1568236.12	500397.82	2068.27		2069.77	2069.93
149	1568223.62	500419.47	2068.23		2069.73	2069.77
150	1568211.12	500441.12	2068.22		2069.72	2069.83
151	1568198.62	500462.78	2068.21	2067.28	2069.71	2069.81
152	1568645.28	499739.15	2065.29	2063.73	2066.79	2066.76
153	1568632.78	499760.80	2065.27	2063.92	2066.77	2067.10
154	1568620.28	499782.45	2065.28	2065.26	2066.78	2066.85
155	1568607.78	499804.11	2065.36	2065.16	2066.86	2066.78
156	1568595.28	499825.76	2065.43	2063.23	2066.93	2066.98
157	1568582.78	499847.41	2065.61		2067.11	2067.23
158	1568570.28	499869.06	2065.85	2064.44	2067.35	2067.39
159	1568557.78	499890.71	2066.06	2064.48	2067.56	2067.51
160	1568545.28	499912.36	2066.13	2064.26	2067.63	2067.70
161	1568532.78	499934.01	2066.21	2065.73	2067.71	2067.68
162	1568520.28	499955.66	2066.29	2065.73	2067.79	2067.77
163	1568507.78	499977.31	2066.34	2064.07	2067.84	2067.83
164	1568495.28	499998.96	2066.36	2064.90	2067.86	2067.86
165	1568482.78	500020.61	2066.40	2065.82	2067.90	2067.99
166	1568470.28	500042.26	2066.42	2066.02	2067.92	2068.02

POINT	NORTHING	EASTING	DESIGN SG ELEVATION	FINAL SG EXCAVATION	DESIGN FG ELEVATION	FINAL FG ELEVATION
167	1568457.78	500063.91	2066.44	2065.82	2067.94	2068.06
168	1568445.28	500085.56	2066.47	2066.31	2067.97	2068.14
169	1568432.78	500107.21	2066.60	2066.65	2068.10	2068.29
170	1568420.28	500128.87	2066.93	2067.05	2068.43	2068.63
171	1568407.78	500150.52	2067.29	2067.32	2068.79	2069.05
172	1568395.28	500172.17	2067.83	2067.58	2069.33	2069.51
173	1568382.78	500193.82	2068.51	2067.98	2070.01	2070.17
174	1568370.28	500215.47	2068.69	2068.36	2070.19	2070.38
175	1568357.78	500237.12	2068.85	2068.47	2070.35	2070.58
176	1568345.28	500258.77	2068.87	2068.41	2070.37	2070.48
177	1568332.78	500280.42	2068.92	2068.81	2070.42	2070.34
178	1568320.28	500302.07	2068.91	2068.84	2070.41	2070.37
179	1568307.78	500323.72	2068.75	2068.58	2070.25	2070.31
180	1568295.28	500345.37	2068.72	2068.34	2070.22	2070.31
181	1568282.78	500367.02	2068.64		2070.14	2070.26
182	1568270.28	500388.67	2068.56	2068.47	2070.06	2070.15
183	1568257.78	500410.32	2068.49	2068.44	2069.99	2070.13
184	1568245.28	500431.97	2068.48	2068.25	2069.98	2070.09
185	1568232.78	500453.62	2068.46	2068.50	2069.96	2070.13
186	1568220.28	500475.28	2068.45	2068.62	2069.95	2070.18
187	1568207.78	500496.93	2068.44	2068.42	2069.94	2070.10
188	1568666.93	499751.65	2065.21	2063.92	2066.71	2066.65
189	1568654.43	499773.30	2065.26	2063.61	2066.76	2066.67
190	1568641.93	499794.95	2065.32	2065.25	2066.82	2066.70
191	1568629.43	499816.61	2065.37	2064.82	2066.87	2066.73
192	1568616.93	499838.26	2065.42	2065.04	2066.92	2066.83
193	1568604.43	499859.91	2065.54	2063.75	2067.04	2067.03
194	1568591.93	499881.56	2065.79	2064.05	2067.29	
195	1568579.43	499903.21	2066.09	2063.46	2067.59	
196	1568566.93	499924.86	2066.27	2064.14	2067.77	
197	1568554.43	499946.51	2066.34	2065..09	2067.84	
198	1568541.93	499968.16	2066.42	2065.70	2067.92	
199	1568529.43	499989.81	2066.45	2066.05	2067.95	
200	1568516.93	500011.46	2066.46	2066.20	2067.96	
201	1568504.43	500033.11	2066.48	2066.39	2067.98	
202	1568491.93	500054.76	2066.49	2066.56	2067.99	2068.41
203	1568479.43	500076.41	2066.49	2066.46	2067.99	2068.72
204	1568466.93	500098.06	2066.50	2066.52	2068.00	2068.68
205	1568454.43	500119.71	2066.74	2066.64	2068.24	2068.92
206	1568441.93	500141.37	2067.26	2067.00	2068.76	2069.37
207	1568429.43	500163.02	2067.77	2067.29	2069.27	2069.78
208	1568416.93	500184.67	2068.52	2067.83	2070.02	2070.15
209	1568404.43	500206.32	2068.70	2068.18	2070.20	2070.39
210	1568391.93	500227.97	2068.87	2068.45	2070.37	2070.52
211	1568379.43	500249.62	2069.04	2068.14	2070.54	2070.77
212	1568366.93	500271.27	2069.13	2068.04	2070.63	2070.76
213	1568354.43	500292.92	2069.20	2068.32	2070.70	2070.74
214	1568341.93	500314.57	2069.28	2068.77	2070.78	2070.81
215	1568329.43	500336.22	2069.24	2068.99	2070.74	2070.86
216	1568316.93	500357.87	2069.27	2069.15	2070.77	2070.91
217	1568304.43	500379.52	2069.19	2068.87	2070.69	2070.77
218	1568291.93	500401.17	2069.13	2068.92	2070.63	2070.73
219	1568279.43	500422.82	2069.07	2068.60	2070.57	2070.59
220	1568266.93	500444.47	2069.03	2068.72	2070.53	2070.54
221	1568254.43	500466.12	2068.99	2068.72	2070.49	2070.55
222	1568241.93	500487.78	2068.93	2068.46	2070.43	2070.54
223	1568229.43	500509.43	2068.90	2067.56	2070.40	2070.37
224	1568688.58	499764.15	2065.19	2064.99	2066.69	2066.55
225	1568676.08	499785.80	2064.98	2064.65	2066.48	2066.63
226	1568663.58	499807.45	2065.02	2064.99	2066.52	2066.52
227	1568651.08	499829.11	2065.07	2065.04	2066.57	2066.57
228	1568638.58	499850.76	2065.12	2064.94	2066.62	2066.62
229	1568626.08	499872.41	2065.38	2064.06	2066.88	2066.86
230	1568613.58	499894.06	2065.66	2064.53	2067.16	2067.21
231	1568601.08	499915.71	2065.99	2064.70	2067.49	2067.52
232	1568588.58	499937.36	2066.32	2064.63	2067.82	2067.75
233	1568576.08	499959.01	2066.50	2064.97	2068.00	2067.97
234	1568563.58	499980.66	2066.50	2066.04	2068.00	2068.07
235	1568551.08	500002.31	2066.65	2066.63	2068.15	2068.26
236	1568538.58	500023.96	2067.30	2066.16	2068.80	2068.55
237	1568526.08	500045.61	2067.60	2066.50	2069.10	2069.02
238	1568513.58	500067.26	2067.71	2066.99	2069.21	2069.34
239	1568501.08	500088.91	2067.95	2067.28	2069.45	2069.69
240	1568488.58	500110.56	2067.70	2067.25	2069.20	2069.60
241	1568476.08	500132.21	2067.66	2067.31	2069.16	2069.65
242	1568463.58	500153.87	2067.75	2067.17	2069.25	2069.89
243	1568451.08	500175.52	2068.54	2067.65	2070.04	2069.91
244	1568438.58	500197.17	2068.55	2068.17	2070.05	2070.26
245	1568426.08	500218.82	2068.69	2068.51	2070.19	2070.39
246	1568413.58	500240.47	2069.04	2068.55	2070.54	2070.71
247	1568401.08	500262.12	2069.23	2068.10	2070.73	2070.98
248	1568388.58	500283.77	2069.38	2068.15	2070.88	2070.88
249	1568376.08	500305.42	2069.48	2068.48	2070.98	2071.29
250	1568363.58	500327.07	2069.57	2068.87	2071.07	
251	1568351.08	500348.72	2069.73	2068.88	2071.23	
252	1568338.58	500370.37	2069.57	2068.91	2071.07	
253	1568326.08	500392.02	2069.56	2069.04	2071.06	
254	1568313.58	500413.67	2069.55	2069.22	2071.05	
255	1568301.08	500435.32	2069.52	2068.98	2071.02	
256	1568288.58	500456.97	2069.56	2069.02	2071.06	
257	1568276.08	500478.62	2069.78	2068.87	2071.28	2071.26
258	1568263.58	500500.28	2069.49	2068.93	2070.99	
259	1568251.08	500521.93	2069.44	2068.71	2070.94	2070.89
260	1568710.23	499776.65	2065.36	2065.67	2066.86	2066.92
261	1568697.73	499798.30	2064.88	2064.76	2066.38	2066.43
262	1568685.23	499819.95	2064.79	2064.82	2066.29	2066.39
263	1568672.73	499841.61	2064.77	2064.55	2066.27	2066.20
264	1568660.23	499863.26	2064.83	2064.66	2066.33	2066.44
265	1568647.73	499884.91	2065.10	2064.71	2066.60	2066.65
266	1568635.23	499906.56	2065.42	2065.03	2066.92	
267	1568622.73	499928.21	2065.71	2065.26	2067.21	
268	1568610.23	499949.86	2065.90	2065.45	2067.40	
269	1568597.73	499971.51	2066.02	2065.14	2067.52	
270	1568585.23	499993.16	2066.22	2065.97	2067.72	
271	1568572.73	500014.81	2066.52	2066.37	2068.02	
272	1568560.23	500036.46	2066.79	2065.91	2068.29	
273	1568547.73	500058.11	2067.11	2066.61	2068.61	
274	1568535.23	500079.76	2067.41	2067.12	2068.91	
275	1568522.73	500101.41	2067.33	2067.30	2068.83	
276	1568510.23	500123.06	2067.47	2067.18	2068.97	
277	1568497.73	500144.71	2067.54	2066.91	2069.04	

POINT	NORTHING	EASTING	DESIGN SG ELEVATION	FINAL SG EXCAVATION	DESIGN FG ELEVATION	FINAL FG ELEVATION
278	1568485.23	500166.37	2067.59	2067.20	2069.09	
279	1568472.73	500188.02	2068.05	2067.41	2069.55	
280	1568460.23	500209.67	2068.46	2068.26	2069.96	
281	1568447.73	500231.32	2068.51	2068.30	2070.01	2070.32
282	1568435.23	500252.97	2068.92	2068.74	2070.42	2070.49
283	1568422.73	500274.62	2069.33	2068.32	2070.83	2070.96
284	1568410.23	500296.27	2069.89	2068.33	2071.39	2071.69
285	1568397.73	500317.92	2070.17	2068.48	2071.67	
286	1568385.23	500339.57	2069.68	2068.79	2071.18	
287	1568372.73	500361.22	2069.61	2068.88	2071.11	
288	1568360.23	500382.87	2069.39	2069.13	2070.89	
289	1568347.73	500404.52	2069.26	2069.17	2070.76	
290	1568335.23	500426.17	2069.34	2068.95	2070.84	
291	1568322.73	500447.82	2069.42	2068.92	2070.92	
292	1568310.23	500469.47	2069.49	2068.89	2070.99	
293	1568297.73	500491.12	2069.51	2068.92	2071.01	
294	1568285.23	500512.78	2069.91	2069.04	2071.41	
295	1568272.73	500534.43	2070.00	2069.19	2071.50	2071.53
296	1568731.88	499789.15	2065.44	2065.74	2066.94	2066.92
297	1568719.38	499810.80	2064.84	2064.87	2066.34	2066.49
298	1568706.88	499832.45	2064.68	2064.66	2066.18	2066.25
299	1568694.38	499854.11	2064.59	2064.60	2066.09	2066.26
300	1568681.88	499875.76	2064.53	2064.43	2066.03	2066.06
301	1568669.38	499897.41	2064.87	2064.84	2066.37	2066.22
316	1568481.88	500222.17	2068.49	2067.87	2069.99	2069.70
317	1568469.38	500243.82	2068.44	2068.36	2069.94	2070.06
318	1568456.88	500265.47	2068.58	2068.34	2070.08	2070.42
319	1568444.38	500287.12	2069.07	2068.70	2070.57	2070.83
320	1568431.88	500308.77	2069.50	2068.52	2071.00	
321	1568419.38	500330.42	2070.23	2068.80	2071.73	
322	1568406.88	500352.07	2069.71	2068.88	2071.21	
323	1568394.38	500373.72	2069.01	2067.73	2070.51	
324	1568381.88	500395.37	2069.04	2068.02	2070.54	
325	1568369.38	500417.02	2068.73	2068.57	2070.23	
326	1568356.88	500438.67	2068.76	2068.26	2070.26	
327	1568344.38	500460.32	2068.84	2068.62	2070.34	
328	1568331.88	500481.97	2069.00	2068.52	2070.50	
329	1568319.38	500503.62	2069.12	2068.84	2070.62	
330	1568306.88	500525.28	2069.49	2069.47	2070.99	
331	1568294.38	500546.93	2070.18	2069.03	2071.68	
332	1568281.88	500568.58	2070.04	2069.86	2071.54	2071.44
333	1568753.53	499801.65	2065.50	2066.17	2067.00	
334	1568741.03	499823.30	2065.01	2064.74	2066.51	
335	1568728.53	499844.95	2066.27	2064.17	2067.77	
358	1568441.03	500342.92	2069.99	2069.07	2071.49	
359	1568428.53	500364.57	2070.02	2068.94	2071.52	
360	1568416.03	500386.22	2069.53	2068.70	2071.03	
361	1568403.53	500407.87	2069.10	2068.79	2070.60	
362	1568391.03	500429.52	2068.66	2067.49	2070.16	
364	1568366.03	500472.82	2068.85	2067.70	2070.35	
365	1568353.53	500494.47	2069.15	2069.16	2070.65	
366	1568341.03	500516.12	2069.43	2069.21	2070.93	
367	1568328.53	500537.78	2069.76	2069.38	2071.26	
368	1568316.03	500559.43	2070.09	2069.24	2071.59	
369	1568303.53	500581.08	2070.38	2069.59	2071.88	2071.54
370	1568775.18	499814.15	2065.50		2067.00	
371	1568762.68	499835.80	2065.50		2067.00	
376	1568700.18	499944.06	2065.20		2066.70	
378	1568675.18	499987.36	2065.69	2065.70	2067.19	
379	1568662.68	500009.01	2066.06	2065.70	2067.56	
380	1568650.18	500030.66	2066.42	2066.41	2067.92	
381	1568637.68	500052.31	2066.52	2066.26	2068.02	
382	1568625.18	500073.96	2066.67	2066.61	2068.17	
383	1568612.68	500095.61	2067.08		2068.58	
384	1568600.18	500117.26	2066.33		2067.83	
385	1568587.68	500138.91	2067.23		2068.73	
391	1568512.68	500268.82	2068.84	2067.58	2070.34	
394	1568475.18	500333.77	2069.40	2069.15	2070.90	
395	1568462.68	500355.42	2069.86	2069.22	2071.36	2071.37
396	1568450.18	500377.07	2070.04	2068.99	2071.54	
397	1568437.68	500398.72	2069.54	2068.85	2071.04	
398	1568425.18	500420.37	2069.12	2068.73	2070.62	
399	1568412.68	500442.02	2068.73	2067.53	2070.23	
400	1568400.18	500463.67	2068.88	2068.28	2070.38	
401	1568387.68	500485.32	2069.22	2068.96	2070.72	
402	1568375.18	500506.97	2069.52	2068.95	2071.02	
403	1568362.68	500528.62	2069.82	2069.10	2071.32	
404	1568350.18	500550.28	2070.14	2069.30	2071.64	
405	1568337.68	500571.93	2070.34	2069.44	2071.84	
406	1568325.18	500593.58	2070.47	2069.28	2071.97	2071.97
410	1568746.83	499913.26	2064.10		2065.60	
411	1568734.33	499934.91	2066.14		2067.64	2068.53
412	1568721.83	499956.56	2066.48	2066.20	2067.98	2068.35
413	1568709.33	499978.21	2066.43	2066.39	2067.93	2068.26
414	1568696.83	499999.86	2065.22		2066.72	
415	1568684.33	500021.51	2065.71		2067.21	
416	1568671.83	500043.16	2065.85		2067.35	
417	1568659.33	500064.81	2066.29	2066.35	2067.79	
418	1568646.83	500086.46	2066.78	2066.80	2068.28	
419	1568634.33	500108.11	2066.89	2067.01	2068.39	
420	1568621.83	500129.76	2067.50	2067.17	2069.00	2069.02
421	1568609.33	500151.41	2067.59	2067.21	2069.09	2069.22
422	1568596.83	500173.06	2067.62	2067.46	2069.12	
423	1568584.33	500194.71	2067.82	2067.62	2069.32	2069.75
424	1568571.83	500216.37	2067.74	2067.31	2069.24	2069.64
425	1568559.33	500238.02	2067.72	2067.64	2069.22	2069.46
426	1568546.83	500259.67	2067.49	2067.20	2068.99	2069.55
428	1568521.83	500302.97	2068.58	2067.09	2070.08	
431	1568484.33	500367.92	2069.93	2069.29	2071.43	
432	1568471.83	500389.57	2070.02	2068.68	2071.52	
433	1568459.33	500411.22	2069.55	2068.83	2071.05	
434	1568446.83	500432.87	2069.12	2068.99	2070.62	
435	1568434.33	500454.52	2069.18	2068.95	2070.68	
436	1568421.83	500476.17	2069.38	2068.83	2070.88	
437	1568409.33	500497.82	2069.62	2068.93	2071.12	
438	1568396.83	500519.47	2069.91	2069.08	2071.41	
439	1568384.33	500541.12	2070.21	2069.29	2071.71	
440	1568371.83	500562.78	2070.50	2069.31	2072.00	
441	1568359.33	500584.43	2070.72	2069.41	2072.22	
442	1568346.83	500606.08	2070.37	2069.44	2071.87	2072.24
443	1568334.33	500627.73	2069.21		2070.71	2072.38

POINT	NORTHING	EASTING	DESIGN SG ELEVATION	FINAL SG EXCAVATION	DESIGN FG ELEVATION	FINAL FG ELEVATION
447	1568768.48	499925.76	2065.99	2065.74	2067.49	2068.12
448	1568755.98	499947.41	2066.50	2066.41	2068.00	2068.23
449	1568743.48	499969.06	2066.48	2066.17	2067.98	2068.24
450	1568730.98	499990.71	2066.50	2066.44	2068.00	2068.28
451	1568718.48	500012.36	2066.61	2066.35	2068.11	2068.38
452	1568705.98	500034.01	2066.63	2066.50	2068.13	2068.48
453	1568693.48	500055.66	2066.89	2066.58	2068.39	2068.65
454	1568680.98	500077.31	2067.51	2066.63	2069.01	2068.99
455	1568668.48	500098.96	2067.52	2067.13	2069.02	2069.25
456	1568655.98	500120.61	2067.52	2067.52	2069.02	2069.21
457	1568643.48	500142.26	2067.63	2067.27	2069.13	2069.29
458	1568630.98	500163.91	2067.73	2067.33	2069.23	2069.19
459	1568618.48	500185.56	2067.70	2067.70	2069.20	2069.32
460	1568605.98	500207.21	2067.78	2067.64	2069.28	2069.45
461	1568593.48	500228.87	2067.80	2067.84	2069.30	2069.50
462	1568580.98	500250.52	2067.64	2067.45	2069.14	2069.25
463	1568568.48	500272.17	2067.44	2067.35	2068.94	2068.99
464	1568555.98	500293.82	2067.55	2065.52	2069.05	
465	1568543.48	500315.47	2068.10		2069.60	
466	1568530.98	500337.12	2068.80	2068.22	2070.30	
469	1568493.48	500402.07	2069.96	2068.98	2071.46	2071.84
471	1568468.48	500445.37	2069.71	2068.73	2071.21	
472	1568455.98	500467.02	2069.60	2068.86	2071.10	
473	1568443.48	500488.67	2069.77	2068.93	2071.27	
474	1568430.98	500510.32	2070.00	2068.92	2071.50	
475	1568418.48	500531.97	2070.30	2069.01	2071.80	
476	1568405.98	500553.62	2070.58	2069.15	2072.08	
477	1568393.48	500575.28	2070.60	2069.16	2072.10	
478	1568380.98	500596.93	2070.59	2069.65	2072.09	
479	1568368.48	500618.58	2069.30	2069.17	2070.80	2072.67
480	1568827.63	499873.30	2064.44	2064.36	2065.94	2067.32
482	1568802.63	499916.61	2064.51	2064.40	2066.01	
483	1568790.13	499938.26	2066.50	2066.02	2068.00	2068.28
484	1568777.63	499959.91	2066.48	2066.33	2067.98	2068.19
485	1568765.13	499981.56	2066.51	2066.49	2068.01	2068.25
486	1568752.63	500003.21	2066.50	2066.49	2068.00	2068.23
487	1568740.13	500024.86	2066.59	2066.52	2068.09	2068.48
488	1568727.63	500046.51	2066.96	2066.59	2068.46	2068.72
489	1568715.13	500068.16	2067.38	2066.82	2068.88	2068.82
490	1568702.63	500089.81	2067.52	2067.06	2069.02	2069.05
491	1568690.13	500111.46	2067.53	2067.20	2069.03	2069.32
492	1568677.63	500133.11	2067.61	2067.50	2069.11	2069.32
493	1568665.13	500154.76	2067.75	2067.30	2069.25	2069.28
494	1568652.63	500176.41	2067.86	2067.15	2069.36	2069.30
495	1568640.13	500198.06	2067.87	2067.34	2069.37	2069.32
496	1568627.63	500219.71	2067.74	2067.58	2069.24	2069.33
497	1568615.13	500241.37	2067.87	2067.45	2069.37	2069.51
498	1568602.63	500263.02	2067.71	2067.35	2069.21	2069.29
499	1568590.13	500284.67	2067.58	2067.44	2069.08	2069.06
500	1568577.63	500306.32	2068.13		2069.63	
501	1568565.13	500327.97	2068.73	2067.55	2070.23	
502	1568552.63	500349.62	2069.26	2067.83	2070.76	
503	1568540.13	500371.27	2069.49	2069.31	2070.99	
505	1568515.13	500414.57	2070.69	2068.63	2072.19	2072.24
506	1568502.63	500436.22	2070.31		2071.81	2072.01
508	1568477.63	500479.52	2070.10	2068.68	2071.60	
509	1568465.13	500501.17	2070.15	2068.93	2071.65	
510	1568452.63	500522.82	2070.39	2068.93	2071.89	
511	1568440.13	500544.47	2070.54	2069.25	2072.04	
513	1568415.13	500587.78	2070.86	2069.63	2072.36	2072.49
514	1568402.63	500609.43	2071.19	2070.17	2072.69	2072.82
515	1568849.28	499885.80	2065.02	2064.79	2066.52	
518	1568811.78	499950.76	2065.93	2065.30	2067.43	2067.44
519	1568799.28	499972.41	2066.49	2066.19	2067.99	2068.14
520	1568786.78	499994.06	2066.23	2066.02	2067.73	2068.07
521	1568774.28	500015.71	2066.18	2066.01	2067.68	2068.01
522	1568761.78	500037.36	2066.44	2066.14	2067.94	2068.18
523	1568749.28	500059.01	2067.03	2066.67	2068.53	2068.56
524	1568736.78	500080.66	2067.50	2066.82	2069.00	2068.84
525	1568724.28	500102.31	2067.51	2066.81	2069.01	2069.02
526	1568711.78	500123.96	2067.53	2066.81	2069.03	2069.29
527	1568699.28	500145.61	2067.71	2067.24	2069.21	2069.32
528	1568686.78	500167.26	2067.87	2067.02	2069.37	2069.34
529	1568674.28	500188.91	2067.99	2066.85	2069.49	2069.45
530	1568661.78	500210.56	2068.04	2067.06	2069.54	2069.52
531	1568649.28	500232.21	2067.89	2067.46	2069.39	2069.64
532	1568636.78	500253.87	2067.91	2067.23	2069.41	2069.42
533	1568624.28	500275.52	2067.77	2067.42	2069.27	2069.39
534	1568611.78	500297.17	2067.83	2067.37	2069.33	2069.37
535	1568599.28	500318.82	2068.58	2067.35	2070.08	
536	1568586.78	500340.47	2069.25	2066.94	2070.75	
538	1568561.78	500383.77	2069.30	2067.38	2070.80	
540	1568536.78	500427.07	2071.81	2068.33	2073.31	
541	1568524.28	500448.72	2070.98	2068.72	2072.48	2072.32
542	1568511.78	500470.37	2070.70	2068.82	2072.20	2072.29
544	1568486.78	500513.67	2070.50	2069.16	2072.00	
545	1568474.28	500535.32	2070.72	2069.44	2072.22	
546	1568461.78	500556.97	2070.78	2069.62	2072.28	2072.33
547	1568449.28	500578.62	2071.14	2069.66	2072.64	2072.44
548	1568436.78	500600.28	2071.49		2072.99	2072.79
549	1568870.93	499898.30	2065.54	2065.21	2067.04	2066.75
550	1568858.43	499919.95	2065.32	2065.17	2066.82	2066.79
552	1568833.43	499963.26	2064.84	2064.83	2066.34	
553	1568820.93	499984.91	2066.38	2065.59	2067.88	2067.71
554	1568808.43	500006.56	2065.97	2065.79	2067.47	2067.84
555	1568795.93	500028.21	2065.80	2065.93	2067.30	2067.76
556	1568783.43	500049.86	2066.00	2066.03	2067.50	2067.81
557	1568770.93	500071.51	2066.58	2066.17	2068.08	2068.13
558	1568758.43	500093.16	2066.69	2066.77	2068.19	2068.58
559	1568745.93	500114.81	2067.39	2066.52	2068.89	2068.97
560	1568733.43	500136.46	2067.59	2066.57	2069.09	2069.31
561	1568720.93	500158.11	2067.79	2067.13	2069.29	2069.46
562	1568708.43	500179.76	2067.97	2067.05	2069.47	2069.40
563	1568695.93	500201.41	2068.12	2066.84	2069.62	2069.59
564	1568683.43	500223.06	2068.21	2066.93	2069.71	2069.64
565	1568670.93	500244.71	2068.06	2067.31	2069.56	2069.75
566	1568658.43	500266.37	2067.91	2067.38	2069.41	2069.68
567	1568645.93	500288.02	2067.86	2067.53	2069.36	2069.50
568	1568633.43	500309.67	2068.24	2067.28	2069.74	
569	1568620.93	500331.32	2068.61	2067.64	2070.11	
570	1568608.43	500352.97	2068.68	2066.83	2070.18	

POINT	NORTHING	EASTING	DESIGN SG ELEVATION	FINAL SG EXCAVATION	DESIGN FG ELEVATION	FINAL FG ELEVATION
571	1568595.93	500374.62	2068.79		2070.29	
573	1568570.93	500417.92	2072.54		2074.04	
575	1568545.93	500461.22	2072.13	2068.18	2073.63	2073.62
576	1568533.43	500482.87	2071.30	2068.41	2072.80	2072.61
577	1568520.93	500504.52	2071.14	2069.00	2072.64	2072.41
578	1568508.43	500526.17	2071.11	2069.31	2072.61	2072.35
579	1568495.93	500547.82	2071.23	2069.60	2072.73	2072.57
580	1568483.43	500569.47	2071.50		2073.00	2072.72
581	1568892.58	499910.80	2065.35	2065.43	2066.85	2066.93
582	1568880.08	499932.45	2064.85	2064.68	2066.35	2066.17
583	1568867.58	499954.11	2064.82	2064.76	2066.32	
586	1568830.08	500019.06	2065.78	2065.81	2067.28	
587	1568817.58	500040.71	2065.90	2065.52	2067.40	
588	1568805.08	500062.36	2065.44	2065.09	2066.94	
589	1568792.58	500084.01	2065.83	2065.64	2067.33	2067.67
590	1568780.08	500105.66	2066.81	2066.19	2068.31	2068.30
591	1568767.58	500127.31	2067.47	2066.55	2068.97	2068.97
592	1568755.08	500148.96	2067.56	2066.62	2069.06	2069.08
593	1568742.58	500170.61	2067.81	2066.99	2069.31	2069.39
594	1568730.08	500192.26	2068.06	2067.00	2069.56	2069.53
595	1568717.58	500213.91	2068.23	2066.86	2069.73	2069.74
596	1568705.08	500235.56	2068.36	2066.87	2069.86	2069.88
597	1568692.58	500257.21	2068.23	2067.25	2069.73	2069.91
598	1568680.08	500278.87	2068.09	2066.98	2069.59	2069.64
600	1568655.08	500322.17	2068.31	2067.06	2069.81	
601	1568642.58	500343.82	2068.78	2067.11	2070.28	
602	1568630.08	500365.47	2068.92	2067.16	2070.42	
604	1568605.08	500408.77	2068.80	2067.62	2070.30	
605	1568592.58	500430.42	2070.79	2069.73	2072.29	
608	1568555.08	500495.37	2075.15	2068.51	2076.65	
609	1568542.58	500517.02	2075.25	2069.55	2076.75	
614	1568914.23	499923.30	2065.19	2064.77	2066.69	2066.69
615	1568901.73	499944.95	2064.48	2064.21	2065.98	2065.98
616	1568889.23	499966.61	2064.51	2064.27	2066.01	2066.03
617	1568876.73	499988.26	2065.51	2065.43	2067.01	
618	1568864.23	500009.91	2066.04	2065.68	2067.54	
620	1568839.23	500053.21	2066.32	2065.87	2067.82	
621	1568826.73	500074.86	2065.73	2065.40	2067.23	
622	1568814.23	500096.51	2065.46	2065.49	2066.96	
623	1568801.73	500118.16	2066.65	2065.93	2068.15	2067.97
624	1568789.23	500139.81	2067.04	2066.53	2068.54	2068.58
625	1568776.73	500161.46	2067.51	2066.48	2069.01	2068.87
626	1568764.23	500183.11	2067.65	2066.66	2069.15	2069.34
627	1568751.73	500204.76	2068.00	2067.20	2069.50	2069.40
628	1568739.23	500226.41	2068.34	2067.17	2069.84	2069.71
629	1568726.73	500248.06	2068.50	2067.28	2070.00	2069.81
630	1568714.23	500269.71	2068.45	2067.52	2069.95	2069.94
631	1568701.73	500291.37	2068.14	2066.45	2069.64	2069.72
633	1568676.73	500334.67	2068.34	2066.63	2069.84	
634	1568664.23	500356.32	2068.80	2067.50	2070.30	
635	1568651.73	500377.97	2068.70	2067.95	2070.20	
637	1568626.73	500421.27	2068.77	2067.53	2070.27	
639	1568601.73	500464.57	2073.53	2072.32	2075.03	
646	1568501.73	500637.78	2084.46		2085.96	
647	1568489.23	500659.43	2084.15		2085.65	
648	1568935.88	499935.80	2065.38	2064.92	2066.88	2066.66
649	1568923.38	499957.45	2064.86	2064.25	2066.36	2066.51
650	1568910.88	499979.11	2064.89	2065.09	2066.39	2066.72
651	1568898.38	500000.76	2065.51	2065.13	2067.01	2066.81
652	1568885.88	500022.41	2065.57	2065.16	2067.07	2067.11
653	1568873.38	500044.06	2066.07	2065.74	2067.57	
655	1568848.38	500087.36	2065.97	2065.97	2067.47	
656	1568835.88	500109.01	2065.40	2065.51	2066.90	
657	1568823.38	500130.66	2065.61	2065.61	2067.11	2067.22
658	1568810.88	500152.31	2066.30	2065.90	2067.80	2067.69
659	1568798.38	500173.96	2066.85	2066.15	2068.35	2068.53
660	1568785.88	500195.61	2067.31	2066.69	2068.81	2068.97
661	1568773.38	500217.26	2067.74	2067.31	2069.24	2069.33
662	1568760.88	500238.91	2068.21	2067.22	2069.71	2069.60
663	1568748.38	500260.56	2068.68	2067.40	2070.18	2069.99
664	1568735.88	500282.21	2068.61	2067.82	2070.11	2070.08
665	1568723.38	500303.87	2068.16	2067.51	2069.66	2069.79
667	1568698.38	500347.17	2068.37	2067.71	2069.87	
668	1568685.88	500368.82	2068.83	2067.87	2070.33	
669	1568673.38	500390.47	2068.67	2067.97	2070.17	
671	1568648.38	500433.77	2068.72	2068.35	2070.22	
674	1568610.88	500498.72	2073.89	2074.15	2075.39	
675	1568598.38	500520.37	2076.78		2078.28	
678	1568560.88	500585.32	2080.49		2081.99	
682	1568920.04	500013.26	2065.41		2066.91	
683	1568907.54	500034.91	2065.17		2066.67	
684	1568895.04	500056.56	2065.41		2066.91	
687	1568857.54	500121.51	2065.61	2065.61	2067.11	
688	1568845.04	500143.16	2065.42	2065.47	2066.92	2067.28
689	1568832.54	500164.81	2065.86	2065.92	2067.36	2067.67
690	1568820.04	500186.46	2066.45	2066.14	2067.95	2068.15
691	1568807.54	500208.11	2067.02	2066.59	2068.52	2068.70
692	1568795.04	500229.76	2067.58	2067.16	2069.08	2069.14
693	1568782.54	500251.41	2068.03	2067.16	2069.53	2069.45
694	1568770.04	500273.06	2068.40	2067.56	2069.90	2069.80
695	1568757.54	500294.71	2068.45	2067.66	2069.95	2070.01
696	1568745.04	500316.37	2068.20	2067.67	2069.70	2069.87
698	1568720.04	500359.67	2068.40	2068.16	2069.90	
700	1568695.04	500402.97	2069.15		2070.65	
702	1568670.04	500446.27	2068.63		2070.13	
703	1568657.54	500467.92	2068.86		2070.36	
709	1568941.69	500025.76	2065.38		2066.88	
710	1568929.19	500047.41	2064.77		2066.27	
711	1568916.69	500069.06	2064.67		2066.17	
712	1568904.19	500090.71	2065.55	2065.63	2067.05	
714	1568879.19	500134.01	2065.52	2065.45	2067.02	
715	1568866.69	500155.66	2065.05	2065.04	2066.55	2066.60
716	1568854.19	500177.31	2065.80	2065.46	2067.30	2067.61
717	1568841.69	500198.96	2066.48	2065.84	2067.98	2068.18
718	1568829.19	500220.61	2066.93	2066.51	2068.43	2068.59
719	1568816.69	500242.26	2067.33	2067.24	2068.83	2068.82
720	1568804.19	500263.91	2067.70	2067.31	2069.20	2069.19
721	1568791.69	500285.56	2067.96	2067.55	2069.46	2069.54
722	1568779.19	500307.21	2068.13	2067.87	2069.63	2069.63
723	1568766.69	500328.87	2068.50	2067.98	2070.00	
724	1568754.19	500350.52	2068.13		2069.63	

POINT	NORTHING	EASTING	DESIGN SG ELEVATION	FINAL SG EXCAVATION	DESIGN FG ELEVATION	FINAL FG ELEVATION
725	1568741.69	500372.17			2069.63	
726	1568729.19	500393.82			2069.35	
727	1568716.69	500415.47			2069.81	
736	1568963.34	500038.26			2066.85	
737	1568950.84	500059.91	2064.78		2066.28	
738	1568938.34	500081.56	2064.43		2065.93	
739	1568925.84	500103.21	2065.33		2066.83	
741	1568900.84	500146.51	2065.40	2065.41	2066.90	
742	1568888.34	500168.16	2065.07	2065.20	2066.57	
743	1568875.84	500189.81	2065.98	2065.40	2067.48	2067.84
744	1568863.34	500211.46	2066.63	2065.97	2068.13	2068.32
745	1568850.84	500233.11	2066.98	2066.56	2068.48	2068.61
746	1568838.34	500254.76	2067.19		2068.69	2068.85
747	1568825.84	500276.41	2067.40		2068.90	
748	1568813.34	500298.06	2067.57		2069.07	
749	1568800.84	500319.71	2067.80		2069.30	
750	1568788.34	500341.37	2068.19		2069.69	
752	1568763.34	500384.67	2068.33		2069.83	
753	1568750.84	500406.32	2067.78		2069.28	
754	1568738.34	500427.97	2068.66		2070.16	
759	1568984.99	500050.76	2065.42		2066.92	
760	1568972.49	500072.41	2064.88		2066.38	
761	1568959.99	500094.06	2064.78		2066.28	
764	1568922.49	500159.01	2065.25		2066.75	
765	1568909.99	500180.66	2065.37		2066.87	
766	1568897.49	500202.31	2066.23		2067.73	
767	1568884.99	500223.96	2066.68		2068.18	
768	1568872.49	500245.61	2066.92		2068.42	
769	1568859.99	500267.26	2067.11		2068.61	
773	1569006.64	500063.26	2065.54		2067.04	
774	1568994.14	500084.91	2064.56		2066.06	
775	1568981.64	500106.56	2064.80		2066.30	
777	1568956.64	500149.86	2065.66		2067.16	
778	1568944.14	500171.51	2065.36		2066.86	
779	1568931.64	500193.16	2065.86		2067.36	
786	1569003.29	500119.06	2064.63		2066.13	
787	1568990.79	500140.71	2064.96		2066.46	
799	1568957.15	499948.88	2065.50		2067.00	
800	1568978.41	499962.03	2065.42	2066.53	2066.92	
801	1568999.67	499975.18	2065.15	2066.50	2066.65	
802	1569020.93	499988.33	2064.91	2066.15	2066.41	
803	1569042.19	500001.48	2064.68	2066.08	2066.18	
4016	1568331.53	500885.65	2072.72			
4017	1568323.47	500880.63	2076.51	2074.90		
4018	1568320.91	500850.81	2083.95	2083.47		
4019	1568313.80	500863.09	2079.52	2079.24		
4020	1568363.12	500878.71	2072.29	2071.83		
4022	1568389.22	500832.71	2078.67	2078.41		
4023	1568386.72	500831.37	2080.68	2080.48		
4024	1568382.41	500843.16	2076.59	2076.63		
4025	1568404.67	500841.03	2070.93	2070.86		
4026	1568419.33	500849.56	2070.37	2069.79		
4027	1568445.14	500835.84	2066.98	2067.17		
4028	1568437.08	500831.99	2069.68	2068.92		
4029	1568423.32	500823.57	2070.04			2072.39
4030	1568416.88	500834.36	2070.29	2070.56		
4031	1568418.53	500821.16	2070.47	2070.30		
4032	1568395.24	500823.07	2079.94	2079.55		
4033	1568380.17	500798.50	2091.75	2090.62		
4034	1568390.17	500804.97	2086.57	2085.42		
4035	1568374.71	500807.86	2092.88	2092.07		
4038	1568414.16	500789.31	2072.47	2072.05		
4039	1568407.08	500786.07	2075.30	2074.73		
4041	1568435.95	500801.75	2069.28	2069.28		2071.19
4042	1568426.95	500796.70	2068.90	2069.23		
4043	1568464.36	500817.90	2066.48	2066.52		
4045	1568482.54	500798.72	2068.20			
4047	1568448.29	500780.21	2069.07	2068.51		2070.63
4048	1568426.56	500767.51	2070.83	2070.82		2072.09
4049	1568460.86	500758.54	2069.50			2070.96
4050	1568439.37	500746.50	2072.41	2072.06		2072.66
4051	1568482.48	500771.16	2069.22	2068.63		2070.48
4052	1568500.51	500781.19	2069.14			
4053	1568503.87	500783.75	2066.64			
4054	1568516.73	500761.90	2068.85			
4055	1568521.22	500763.76	2067.28	2066.68		
4056	1568495.11	500749.41	2069.38	2068.70		2070.49
4057	1568473.40	500736.88	2069.72	2069.40		2071.18
4059	1568457.30	500727.89	2072.18	2070.56		
4060	1568485.82	500715.25	2069.90	2069.25		2070.66
4061	1568464.22	500703.42	2077.45	2077.14		
4062	1568477.09	500710.44	2071.18	2071.52		
4065	1568541.14	500746.72	2067.18	2065.85		
4066	1568547.77	500749.45	2064.72			
4067	1568563.28	500731.03	2064.85	2064.52		
4068	1568559.02	500728.78	2066.51	2064.97		
4069	1568541.71	500718.54	2067.55	2066.99		2068.16
4070	1568520.08	500706.06	2068.67	2068.14		2069.81
4071	1568498.33	500693.46	2070.26			2070.59
4072	1568492.87	500690.19	2070.85	2071.36		
4076	1568515.90	500674.99	2069.03	2068.25		
4077	1568532.57	500684.33	2068.44			2069.08
4078	1568554.25	500696.98	2067.70	2066.78		2067.95
4079	1568575.92	500709.47	2061.83	2061.10		
4080	1568571.86	500707.51	2062.76			
4081	1568562.28	500701.70	2066.73	2065.97		
4082	1568596.07	500720.62	2059.18	2058.79		
4083	1568588.36	500687.70	2065.36			
4085	1568545.15	500662.63	2068.21	2066.93		2068.75
4087	1568536.49	500657.49	2068.23			2069.10
4091	1568557.54	500641.10	2068.20	2067.13		2068.68
4092	1568578.98	500653.62	2067.86	2066.23		2067.63
4093	1568600.73	500666.08	2067.23	2065.67		
4094	1568604.97	500668.62	2066.65	2064.98		
4095	1568611.96	500671.25	2064.39			
4096	1568551.85	500637.22	2068.56	2068.38		

US ARMY CORPS OF ENGINEERS
OMAHA DISTRICT
RAPID RESPONSE PROGRAM

US EPA
Region VIII
Denver, Colorado

LIBBY ASBESTOS SITE
LIBBY, MONTANA

RESTORATION AS–BUILT
FOR OU1
SPOT ELEVATION TABLE

SURVEYED BY/DATE: E.I.D. LLC 08/27/12
DRAWN BY/DATE: S. MARTIN 10/02/12
CHECKED BY/DATE: S. FELTON 10/02/12
SUBMITTED BY / DATE: S. FELTON 10/02/12

SCALE: AS NOTED
SHEET #: D7
PLOT SCALE: 1 : 1
DATE: 10/02/12
DRAWING TYPE: AS–BUILT
FILE LOCATION: ..\2012 PROPERTIES\OU1\CAD\AS–BUILT.DWG

Libby Asbestos Project, Operable Unit 1

Change / Modification Log

Item No.	Drawing No.	Description	Approved Y / N	Date
001	Sht C9	Approval for USACE to direct the installation of the SWPPP and modifiy the installation as needed without approval of the City of Libby.	Y	Verbal: 9/29/11 Written: 10/4/11
002	Sht C4	Tree removal and relocation of rock detention basin	Y	10/4/2011
003	Sht C4	Correction of Elevation Point 410, Cad Glitch	Y	10/12/2011
004	Sht D2, Detail D	Change to accommodate the storm water sumps which will be installed by the City. The removal contractor will excavate the locations (field determination) for the City's installation according the the City's available materials.	Y	10/12/2011
005	C6A	Relocate the sump from from the ENE, approximately 37' off of the NE Corner of the DTSAR building, in the new roadway to a field determined location, approximately SSW 10'.	Y	10/12/2011
006	Sht D2, Detail B	Change, the road sub-base materials from 6" of 3/4" minus crushed base course over 8" of 3" minus sub-base material, to 10" of 3/4" minus sub-base over at leaast 8" of 3" minus sub-base material.	Y	10/12/2011
007	Sht D1, Section 3	Parking areas sub-grade materials, the removal contractor will ensure a minmum thickness of 8" of 3/4" minus base course cap over the subgrade material that may be either 8" of 3/4" minus crushed or 3" minus fill sub-base for a total of 18" thickness.	Y	10/12/2011
008	Sht C4	Retain existing trees, large conifers, along the west boundary of Area 1. The trees were not shown on the plans. The parking area along the western perimter of the site is to be adjusted to accommodate the trees.	Y	10/12/2011
009	n/a	Surveyor's elevation corrections.	Y	10/12/2011
010	n/a	Tree removal, remove cottonwood trees at SW corner of Area 1 due to visibly high vermiculite/tremolite.	Y	10/12/2011
011	Sht(s) C6, C6A & Sht D2, Detail B	Add shoulders at 2 location along new roadway.	Y	10/17/2011
012	Sheet C6A & D1, Section 1	Change from top soil to 3/4" minus crush at rear of DTSAR Building	Y	10/18/2011
013	Sheet C6 & Sheet D2, Detail D	Detention basin/rock trench, change to bundled rock in lieu of retangular trench	Y	10/21/2011
014	Sheet C4 & Sheet C6D	Elevation corrections, points 580 & 479	Y	10/21/2011
015	Sheet C4	Modification of excavation depths and finish contours due to staked surveyed south property line adjustment vs plans	Y	10/21/2011
016	Sht(s) C-7, D-1, D-3	The Area 2 remediation will be executed as detailed in the Draft Final OU1-Remedial Action Revision 2, dated February 2012	Y	2/28/2012
017	Sheet C-7	Area 2, the toe of the riprap will be extended to include the area below the pump house	Y	3/7/2012
018	n/a	Marker barier was not placed in the parking area of DTSR. The marker barrier will be placed in the area excavated to facilitate the installation of the drainage sump(s)	Y	3/7/2012
019	Sheet C2	Area 2, modify excavation depth to avoid damage to shallow utilities.	Y	4/19-20/2012
020	Sheet C2	Area 2, increase removal and restoration area in the vicinity of the boat ramp	Y	4/19-20/2012

Libby Asbestos Project, Operable Unit 1

Change / Modification Log

Item No.	Drawing No.	Description	Approved Y / N	Date
021	Sheet C2	Area 2, east end of Area 2 beyond the Hwy 37 bridge. Due to shallow utilities,perform a shallow scrape, place geo-textile and marker barrier then backfill to match the preexisting grade.	Y	4/19-20/2012
022	Sheet D1 Section 5 (typical)	Area 2, eliminate the placement of a geo-textile barrier under the existing riprap. The existing rip rap will not be moved.	Y	5/7/2012
023	C6	Area 1, modify the area adjacent the southern property line to include a drainage feature, berm/swale.	Y	5/7/2012
024	Sheet D1, Section 4 (typical)	Area 2, exclude common fill on embankments and provide a minimum 6" lift of top soil.	Y	5/7/2012
025	Sheet D1, Detail C	Area 2, Elimination of woody shrubs at the rip rapped revement.	Y	5/7/2012
026	Sheet C5 and D1	Area 2, reduce the limits of the pathway finished with 3/4" crushed rock.	Y	5/7/2012
027	Sheet C5	Area 2, place 1.5" crushed roack at the rear of the river water hydrant pad in lieu of top soil.	Y	5/24/2012
029	Sheet D2, Detail D	Detention basin/Rock trench, substitute a 6" lift of 1 1/2" washed rock for 6" of top soil.	Y	5/24/2012
030	Sheet D1, Section 3	Parking area section to have a final lift of 1" minus crushed rock.	Y	5/31 - 6/1/2012
031	Sheet D1, Detail C	due to shallow subsurface utilites along the topof the slope which prohibits further excavtion, the installation of soils and associated erosion control measures is deleted.	Y	6/6 & 7/2012
032	Sheet C3	Relocate the tie in location at the east end of City Services Road and alter road profile and curve camber ("Super").	Y	6/6 & 18/2012
033	Sheet C6	City approved restoration seeding schedule	Y	6/6 & 7/2012
034	Sheet C7	Boat Ramp, eliminate 8 l.f. of articulated concrete mat due to the concrete slab which was poured at the bottom tie in to the existing concrete portion of the ramp to correct the angle of approach.	Y	6/25/2012
035	Sheet C6B	Elimination of two planter areas adjacent the search and rescue building	Y	6/25/2012
036	Sheet C6	Driveway to boat ramps. Eliminate partial circular planter in drive and eliminate abrupt curve in drive.	Y	6/29/2012
037	Sheet C7, Section 1	modify boat ramp tie in to top approach slab The armorFlex mat and the approach slab will be butted. The 1.5" crushed rock fill in the ArmorFlex mat will have 3/4" structural material substituted due to insufficient space to install 1.5" material	Y	6/29/2012
038	Sheet C6C	At the City of Libby's request and the EPA's direction the elevation of the northern end of the parking lot located to the southwest of the Pavillion will be tapered to meet the existing grade.	Y	6/29/2012
039	Sheet C6A	Modify the excavation depth of City Services road adjacent the search and rescue building	Y	6/29/2012
040	Sheet C6A	Enlargement of 2 rock trench drains at the request of the City of Libby	Y	Verbal: 7/17/12 Written:8/14/2012

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LIBBY ASBESTOS SITE
LIBBY, MONTANA

RESTORATION AS-BUILT
FOR OU1
MODIFICATION LOG

SCALE: AS NOTED
SHEET #: D8
PLOT SCALE: 1 : 1
DATE: 10/02/12
DRAWING TYPE: AS-BUILT
FILE LOCATION: ..\2012 PROPERTIES\OU1\CAD\AS-BUILT.DWG