Time span=0.00-24.00 hrs, dt=0.01 hrs, 2401 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Sim-Route method - Pond routing by Sim-Route method

Subcatchment 1: Runoff Area=409,997 sf 0.48% Impervious Runoff Depth>2.77"
Flow Length=1,674' Tc=47.4 min CN=70 Runoff=16.50 cfs 2.170 af

Subcatchment 2: Runoff Area=169,526 sf 0.00% Impervious Runoff Depth>2.78"
Flow Length=1,092' Tc=33.2 min CN=70 Runoff=8.75 cfs 0.901 af

Subcatchment 2.11: Runoff Area=353,521 sf 30.72% Impervious Runoff Depth>3.88"
Flow Length=1,503' Tc=6.0 min CN=81 Runoff=54.83 cfs 2.623 af

Subcatchment 2.12+: 2.12 +2.12.1 -1 -2 PREDEV AREAS Runoff Area=1,589,115 sf 1.13% Impervious Runoff Depth>2.86"
Flow Length=1,485' Tc=48.9 min CN=71 Runoff=64.60 cfs 8.689 af

Subcatchment 2.14: Runoff Area=74,275 sf 10.10% Impervious Runoff Depth>3.28"
Flow Length=669' Tc=6.0 min CN=75 Runoff=9.94 cfs 0.466 af

Subcatchment SEC1: Upper Watershed Area Runoff Area=4,843,023 sf 0.00% Impervious Runoff Depth>2.95"
Flow Length=6,814' Tc=49.4 min CN=72 Runoff=202.68 cfs 27.346 af

Reach RSWL1: Roadside Conveyance Avg. Depth=1.92' Max Vel=8.66 fps Inflow=64.60 cfs 8.687 af
n=0.040 L=752.0' S=0.0598 '/' Capacity=375.79 cfs Outflow=64.57 cfs 8.679 af

Reach RSWL3: Roadside Conveyance Avg. Depth=1.84' Max Vel=10.81 fps Inflow=74.66 cfs 11.332 af
n=0.040 L=367.0' S=0.0981 '/' Capacity=481.14 cfs Outflow=74.67 cfs 11.330 af

Reach STR1: Stream Reach Avg. Depth=0.20' Max Vel=4.90 fps Inflow=8.11 cfs 0.460 af
n=0.040 L=665.0' S=0.1594 '/' Capacity=1,306.25 cfs Outflow=7.95 cfs 0.458 af

Reach STR2: Stream Reach Avg. Depth=0.38' Max Vel=5.60 fps Inflow=17.93 cfs 2.628 af
n=0.040 L=514.0' S=0.0914 '/' Capacity=989.35 cfs Outflow=17.94 cfs 2.623 af

Reach WSCF1: Reach Avg. Depth=0.10' Max Vel=2.98 fps Inflow=15.12 cfs 2.686 af
n=0.040 L=808.0' S=0.1485 '/' Capacity=697.36 cfs Outflow=14.15 cfs 2.674 af

Reach WSCF2: Reach Avg. Depth=0.07' Max Vel=2.44 fps Inflow=9.94 cfs 0.466 af
n=0.040 L=1,040.5' S=0.1605 '/' Capacity=724.95 cfs Outflow=8.11 cfs 0.460 af

Reach WSCF3: Reach Avg. Depth=0.09' Max Vel=2.71 fps Inflow=14.15 cfs 2.673 af
n=0.040 L=1,105.0' S=0.1249 '/' Capacity=639.49 cfs Outflow=12.71 cfs 2.655 af

Pond EXSF1: Peak Elev=2,427.70' Storage=44,415 cf Inflow=54.83 cfs 2.623 af
Primary=12.85 cfs 0.639 af Secondary=2.27 cfs 2.047 af Outflow=15.12 cfs 2.686 af

Pond UD B1: Peak Elev=2,101.41' Storage=13,084 cf Inflow=74.67 cfs 11.327 af
Outflow=74.49 cfs 11.230 af

Link DP-212: Design Point 212 Inflow=98.86 cfs 14.751 af
Primary=98.86 cfs 14.751 af

Link N/A: Plot Corner Mark
Primary=0.00 cfs 0.000 af

Link N/A2: Plot Corner Mark
Primary=0.00 cfs 0.000 af

Total Runoff Area = 170.786 ac Runoff Volume = 42.194 af Average Runoff Depth = 2.96"
98.17% Pervious = 167.663 ac 1.83% Impervious = 3.123 ac

Summary for Subcatchment 1:

Runoff = 16.50 cfs @ 12.48 hrs, Volume= 2.170 af, Depth> 2.77"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Type II 24-hr Q10 Rainfall=6.00"

	Area (sf)	CN	Description
	3,464	74	Pasture/grassland/range, Good, HSG C
*	1,950	98	Paved Parking and Svc Roads
	404,583	70	Woods, Good, HSG C
	409,997	70	Weighted Average
	408,047		Pervious Area
	1,950		Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
21.5	100	0.0600	0.08		**Sheet Flow, SHT starting in wooded area** Woods: Dense underbrush n= 0.800 P2= 4.00"
25.9	1,574	0.1639	1.01		**Shallow Concentrated Flow, SCF** Forest w/Heavy Litter Kv= 2.5 fps
47.4	1,674	Total			

Summary for Subcatchment 2:

Runoff = 8.75 cfs @ 12.29 hrs, Volume= 0.901 af, Depth> 2.78"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Type II 24-hr Q10 Rainfall=6.00"

Area (sf)	CN	Description
169,526	70	Woods, Good, HSG C
169,526		Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.6	100	0.1000	0.09		**Sheet Flow, SHT starting in wooded area** Woods: Dense underbrush n= 0.800 P2= 4.00"
15.6	992	0.1794	1.06		**Shallow Concentrated Flow, SCF** Forest w/Heavy Litter Kv= 2.5 fps
33.2	1,092	Total			

Summary for Subcatchment 2.11:

Runoff = 54.83 cfs @ 11.97 hrs, Volume= 2.623 af, Depth> 3.88"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Type II 24-hr Q10 Rainfall=6.00"

	Area (sf)	CN	Description
	12,389	70	Woods, Good, HSG C
	232,530	74	Pasture/grassland/range, Good, HSG C
*	108,602	98	Paved Parking and Svc Roads
	353,521	81	Weighted Average
	244,919		Pervious Area
	108,602		Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.8	100	0.0500	2.22		**Sheet Flow, Uppermost parking lot POB** Smooth surfaces n= 0.011 P2= 4.00"
0.7	66	0.0500	1.57		**Shallow Concentrated Flow, SCF parking lot to ditch** Short Grass Pasture Kv= 7.0 fps
1.2	870	0.0713	12.44	124.40	**Channel Flow, Lined Drainage Ditch** Area= 10.0 sf Perim= 8.7' r= 1.15' n= 0.035
0.9	467	0.0340	8.36	6.57	**Circular Channel (pipe), Closed Pipe to Stormwater Pond** Diam= 12.0" Area= 0.8 sf Perim= 3.1' r= 0.25' n= 0.013 Corrugated PE, smooth interior
2.4					**Direct Entry, direct entry to meet 6 min minimum**
6.0	1,503	Total			

Summary for Subcatchment 2.12+: 2.12 +2.12.1 -1 -2 PREDEV AREAS

Runoff = 64.60 cfs @ 12.49 hrs, Volume= 8.689 af, Depth> 2.86"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Type II 24-hr Q10 Rainfall=6.00"

	Area (sf)	CN	Description
	73,194	74	Pasture/grassland/range, Good, HSG C
*	12,000	98	Paved Parking and Svc Roads
	951,193	70	Woods, Good, HSG C
	11,979	74	Pasture/grassland/range, Good, HSG C
*	6,000	98	Paved Parking and Svc Roads
	534,749	70	Woods, Good, HSG C
	1,589,115	71	Weighted Average
	1,571,115		Pervious Area
	18,000		Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
23.2	100	0.0500	0.07		**Sheet Flow, SHT starting in wooded area** Woods: Dense underbrush n= 0.800 P2= 4.00"
10.5	582	0.1366	0.92		**Shallow Concentrated Flow, SCF** Forest w/Heavy Litter Kv= 2.5 fps
15.2	803	0.1245	0.88		**Shallow Concentrated Flow, SCF** Forest w/Heavy Litter Kv= 2.5 fps
48.9	1,485	Total			

Summary for Subcatchment 2.14:

Runoff = 9.94 cfs @ 11.97 hrs, Volume= 0.466 af, Depth> 3.28"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Type II 24-hr Q10 Rainfall=6.00"

	Area (sf)	CN	Description
	19,108	70	Woods, Good, HSG C
	47,667	74	Pasture/grassland/range, Good, HSG C
*	7,500	98	Paved Parking and Svc Roads
	74,275	75	Weighted Average
	66,775		Pervious Area
	7,500		Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
3.7	100	0.4500	0.45		**Sheet Flow, Grassed Upper Area** Grass: Dense n= 0.240 P2= 4.00"
0.3	70	0.3210	3.97		**Shallow Concentrated Flow, SCF to roadside ditch** Short Grass Pasture Kv= 7.0 fps
0.6	499	0.0541	14.24	113.88	**Trap/Vee/Rect Channel Flow, Roadside Conveyance** Bot.W=2.00' D=2.00' Z= 1.0 '/' Top.W=6.00' n= 0.025 Earth, clean & winding
1.4					**Direct Entry, direct entry to meet 6 min minimum**
6.0	669	Total			

Summary for Subcatchment SEC1: Upper Watershed Area

This area is along the east and uplland of the UD watershed trib to DP 212. Simlified for hydrograph comparson.

Runoff = 202.68 cfs @ 12.47 hrs, Volume= 27.346 af, Depth> 2.95"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Type II 24-hr Q10 Rainfall=6.00"

	Area (sf)	CN	Description
*	4,843,023	72	From Satelite MRCL Data
	4,843,023		Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
29.8	150	0.0600	0.08		**Sheet Flow, Upper Wooded area** Woods: Dense underbrush n= 0.800 P2= 4.00"
14.9	3,119	0.2500	3.50		**Shallow Concentrated Flow, SCF** Short Grass Pasture Kv= 7.0 fps
4.7	3,545	0.1400	12.58	94.37	**Trap/Vee/Rect Channel Flow, OCF above Discovery Culverts** Bot.W=2.00' D=1.50' Z= 2.0 '/' Top.W=8.00' n= 0.040
49.4	6,814	Total			

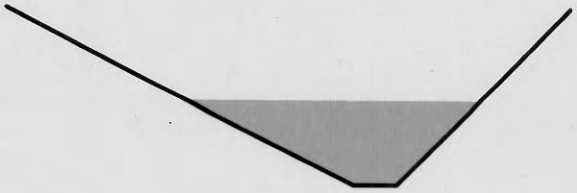
Summary for Reach RSWL1: Roadside Conveyance

Inflow Area = 36.481 ac, 1.13% Impervious, Inflow Depth > 2.86" for Q10 event
Inflow = 64.60 cfs @ 12.49 hrs, Volume= 8.687 af
Outflow = 64.57 cfs @ 12.51 hrs, Volume= 8.679 af, Atten= 0%, Lag= 0.9 min

Routing by Sim-Route method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Max. Velocity= 8.66 fps, Min. Travel Time= 1.4 min
Avg. Velocity = 4.14 fps, Avg. Travel Time= 3.0 min

Peak Storage= 5,606 cf @ 12.51 hrs, Average Depth at Peak Storage= 1.92'
Bank-Full Depth= 4.00', Capacity at Bank-Full= 375.79 cfs

1.00' x 4.00' deep channel, n= 0.040 Earth, cobble bottom, clean sides
Side Slope Z-value= 2.0 1.0 '/' Top Width= 13.00'
Length= 752.0' Slope= 0.0598 '/'
Inlet Invert= 2,180.00', Outlet Invert= 2,135.00'



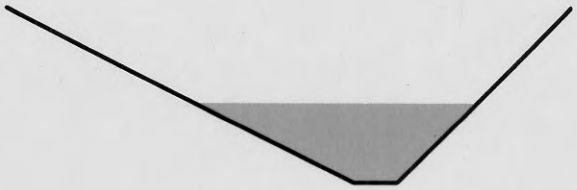
Summary for Reach RSWL3: Roadside Conveyance

Inflow Area = 44.597 ac, 6.52% Impervious, Inflow Depth > 3.05" for Q10 event
Inflow = 74.66 cfs @ 12.47 hrs, Volume= 11.332 af
Outflow = 74.67 cfs @ 12.47 hrs, Volume= 11.330 af, Atten= 0%, Lag= 0.3 min

Routing by Sim-Route method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Max. Velocity= 10.81 fps, Min. Travel Time= 0.6 min
Avg. Velocity = 5.11 fps, Avg. Travel Time= 1.2 min

Peak Storage= 2,535 cf @ 12.47 hrs, Average Depth at Peak Storage= 1.84'
Bank-Full Depth= 4.00', Capacity at Bank-Full= 481.14 cfs

1.00' x 4.00' deep channel, n= 0.040 Earth, cobble bottom, clean sides
Side Slope Z-value= 2.0 1.0 '/' Top Width= 13.00'
Length= 367.0' Slope= 0.0981 '/'
Inlet Invert= 2,135.00', Outlet Invert= 2,099.00'



Summary for Reach STR1: Stream Reach

Inflow Area = 1.705 ac, 10.10% Impervious, Inflow Depth > 3.24" for Q10 event
Inflow = 8.11 cfs @ 12.03 hrs, Volume= 0.460 af
Outflow = 7.95 cfs @ 12.05 hrs, Volume= 0.458 af, Atten= 2%, Lag= 1.4 min

Routing by Sim-Route method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Max. Velocity= 4.90 fps, Min. Travel Time= 2.3 min
Avg. Velocity = 1.13 fps, Avg. Travel Time= 9.8 min

Peak Storage= 1,080 cf @ 12.05 hrs, Average Depth at Peak Storage= 0.20'
Bank-Full Depth= 4.00', Capacity at Bank-Full= 1,306.25 cfs

8.00' x 4.00' deep channel, n= 0.040 Mountain streams
Side Slope Z-value= 1.0 '/' Top Width= 16.00'
Length= 665.0' Slope= 0.1594 '/'
Inlet Invert= 2,248.00', Outlet Invert= 2,142.00'

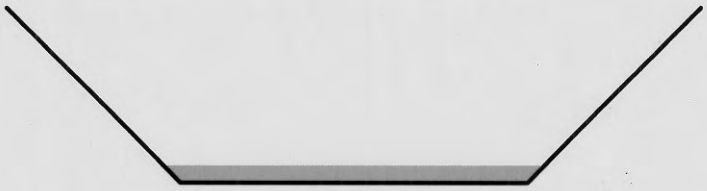
Summary for Reach STR2: Stream Reach

Inflow Area = 11.117 ac, 1.95% Impervious, Inflow Depth > 2.84" for Q10 event
Inflow = 17.93 cfs @ 12.48 hrs, Volume= 2.628 af
Outflow = 17.94 cfs @ 12.49 hrs, Volume= 2.623 af, Atten= 0%, Lag= 0.3 min

Routing by Sim-Route method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Max. Velocity= 5.60 fps, Min. Travel Time= 1.5 min
Avg. Velocity = 1.97 fps, Avg. Travel Time= 4.4 min

Peak Storage= 1,645 cf @ 12.49 hrs, Average Depth at Peak Storage= 0.38'
Bank-Full Depth= 4.00', Capacity at Bank-Full= 989.35 cfs

8.00' x 4.00' deep channel, n= 0.040 Mountain streams
Side Slope Z-value= 1.0 '/' Top Width= 16.00'
Length= 514.0' Slope= 0.0914 '/'
Inlet Invert= 2,142.00', Outlet Invert= 2,095.00'



Summary for Reach WSCF1: Reach

Inflow Area = 8.116 ac, 30.72% Impervious, Inflow Depth > 3.97" for Q10 event
Inflow = 15.12 cfs @ 12.11 hrs, Volume= 2.686 af
Outflow = 14.15 cfs @ 12.18 hrs, Volume= 2.674 af, Atten= 6%, Lag= 4.2 min

Routing by Sim-Route method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Max. Velocity= 2.98 fps, Min. Travel Time= 4.5 min
Avg. Velocity = 1.19 fps, Avg. Travel Time= 11.4 min

Peak Storage= 3,842 cf @ 12.18 hrs, Average Depth at Peak Storage= 0.10'
Bank-Full Depth= 1.00', Capacity at Bank-Full= 697.36 cfs

50.00' x 1.00' deep channel, n= 0.040 Mountain streams
Length= 808.0' Slope= 0.1485 '/'
Inlet Invert= 2,395.00', Outlet Invert= 2,275.00'

Summary for Reach WSCF2: Reach

Inflow Area = 1.705 ac, 10.10% Impervious, Inflow Depth > 3.28" for Q10 event
Inflow = 9.94 cfs @ 11.97 hrs, Volume= 0.466 af
Outflow = 8.11 cfs @ 12.03 hrs, Volume= 0.460 af, Atten= 18%, Lag= 3.1 min

Routing by Sim-Route method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Max. Velocity= 2.44 fps, Min. Travel Time= 7.1 min
Avg. Velocity = 0.54 fps, Avg. Travel Time= 32.1 min

Peak Storage= 3,460 cf @ 12.03 hrs, Average Depth at Peak Storage= 0.07'
Bank-Full Depth= 1.00', Capacity at Bank-Full= 724.95 cfs

50.00' x 1.00' deep channel, n= 0.040 Mountain streams
Length= 1,040.5' Slope= 0.1605 '/'
Inlet Invert= 2,415.00', Outlet Invert= 2,248.00'

Summary for Reach WSCF3: Reach

Inflow Area = 8.116 ac, 30.72% Impervious, Inflow Depth > 3.95" for Q10 event
Inflow = 14.15 cfs @ 12.18 hrs, Volume= 2.673 af
Outflow = 12.71 cfs @ 12.28 hrs, Volume= 2.655 af, Atten= 10%, Lag= 6.2 min

Routing by Sim-Route method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Max. Velocity= 2.71 fps, Min. Travel Time= 6.8 min
Avg. Velocity = 1.13 fps, Avg. Travel Time= 16.4 min

Peak Storage= 5,190 cf @ 12.28 hrs, Average Depth at Peak Storage= 0.09'
Bank-Full Depth= 1.00', Capacity at Bank-Full= 639.49 cfs

50.00' x 1.00' deep channel, n= 0.040 Mountain streams
Length= 1,105.0' Slope= 0.1249 '/'
Inlet Invert= 2,275.00', Outlet Invert= 2,137.00'

Summary for Pond EXSF1:

Inflow Area = 8.116 ac, 30.72% Impervious, Inflow Depth > 3.88" for Q10 event
Inflow = 54.83 cfs @ 11.97 hrs, Volume= 2.623 af
Outflow = 15.12 cfs @ 12.11 hrs, Volume= 2.686 af, Atten= 72%, Lag= 8.2 min
Primary = 12.85 cfs @ 12.11 hrs, Volume= 0.639 af
Secondary = 2.27 cfs @ 12.11 hrs, Volume= 2.047 af

Routing by Sim-Route method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 2,427.70' @ 12.11 hrs Surf.Area= 16,815 sf Storage= 44,415 cf
Flood Elev= 2,428.18' Surf.Area= 17,791 sf Storage= 52,888 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)
Center-of-Mass det. time= 103.6 min (911.1 - 807.5)

Volume	Invert	Avail.Storage	Storage Description
#1	2,421.67'	67,471 cf	**Custom Stage Data (Pyramidal)** Listed below (Recalc)
			67,477 cf Overall - 6 cf Embedded = 67,471 cf
#2	2,421.67'	6 cf	**Custom Stage Data (Pyramidal)** Listed below (Recalc) Inside #1
		67,477 cf	Total Available Storage

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
2,421.67	4	0	0	4
2,423.17	4	6	6	16
2,423.18	2,600	9	15	2,612
2,424.00	5,477	3,239	3,254	5,496
2,426.00	11,885	16,953	20,208	11,946
2,428.00	17,791	29,478	49,686	17,931
2,428.18	17,791	3,202	52,888	18,027
2,429.00	17,791	14,589	67,477	18,465

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
2,421.67	4	0	0	4
2,423.17	4	6	6	16

Device	Routing	Invert	Outlet Devices
#1	Primary	2,426.68'	**4.0' long (Profile 17) Broad-Crested Rectangular Weir** Head (feet) 0.49 0.98 1.48 1.97 2.46 2.95 Coef. (English) 2.84 3.13 3.26 3.30 3.31 3.31
#2	Secondary	2,421.67'	**6.0" Vert. Orifice modeling manifold outlet** C= 0.600
#3	Primary	2,428.18'	**266.2' long (Profile 9) Broad-Crested Rectangular Weir** Head (feet) 1.97 2.46 2.95 3.94 4.92 Coef. (English) 3.55 3.55 3.57 3.60 3.66

Primary OutFlow Max=12.84 cfs @ 12.11 hrs HW=2,427.70' TW=2,395.09' (Dynamic Tailwater)
└─**1=Broad-Crested Rectangular Weir** (Weir Controls 12.84 cfs @ 3.16 fps)
└─**3=Broad-Crested Rectangular Weir** (Controls 0.00 cfs)

Secondary OutFlow Max=2.27 cfs @ 12.11 hrs HW=2,427.70' TW=2,395.09' (Dynamic Tailwater)
└─**2=Orifice modeling manifold outlet** (Orifice Controls 2.27 cfs @ 11.57 fps)

Summary for Pond UD B1:

Inflow Area = 44.597 ac, 6.52% Impervious, Inflow Depth > 3.05" for Q10 event
Inflow = 74.67 cfs @ 12.47 hrs, Volume= 11.327 af
Outflow = 74.49 cfs @ 12.51 hrs, Volume= 11.230 af, Atten= 0%, Lag= 2.1 min
Primary = 74.49 cfs @ 12.51 hrs, Volume= 11.230 af

Routing by Sim-Route method, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs
Peak Elev= 2,101.41' @ 12.51 hrs Surf.Area= 11,075 sf Storage= 13,084 cf
Flood Elev= 2,102.00' Surf.Area= 15,245 sf Storage= 20,798 cf

Plug-Flow detention time= 10.0 min calculated for 11.225 af (99% of inflow)
Center-of-Mass det. time= 5.3 min (885.9 - 880.7)

Volume	Invert	Avail.Storage	Storage Description
#1	2,098.00'	36,043 cf	**Custom Stage Data (Pyramidal)** Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)	Wet.Area (sq-ft)
2,098.00	118	0	0	118
2,100.00	3,785	3,048	3,048	3,796
2,102.00	15,245	17,751	20,798	15,280
2,103.00	15,245	15,245	36,043	15,774

Device	Routing	Invert	Outlet Devices
#1	Primary	2,100.00'	**Constriction in exist channel, C= 2.62** Head (feet) 0.00 2.00 3.00

Width (feet) 2.70 41.20 41.20

Primary OutFlow Max=74.49 cfs @ 12.51 hrs HW=2,101.41' TW=0.00' (Dynamic Tailwater)
└─**1=Constriction in exist channel** (Weir Controls 74.49 cfs @ 3.24 fps)

Summary for Link DP-212: Design Point 212

Inflow Area = 59.606 ac, 5.24% Impervious, Inflow Depth > 2.97" for Q10 event
Inflow = 98.86 cfs @ 12.49 hrs, Volume= 14.751 af
Primary = 98.86 cfs @ 12.50 hrs, Volume= 14.751 af, Atten= 0%, Lag= 0.6 min

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs

Summary for Link N/A: Plot Corner Mark

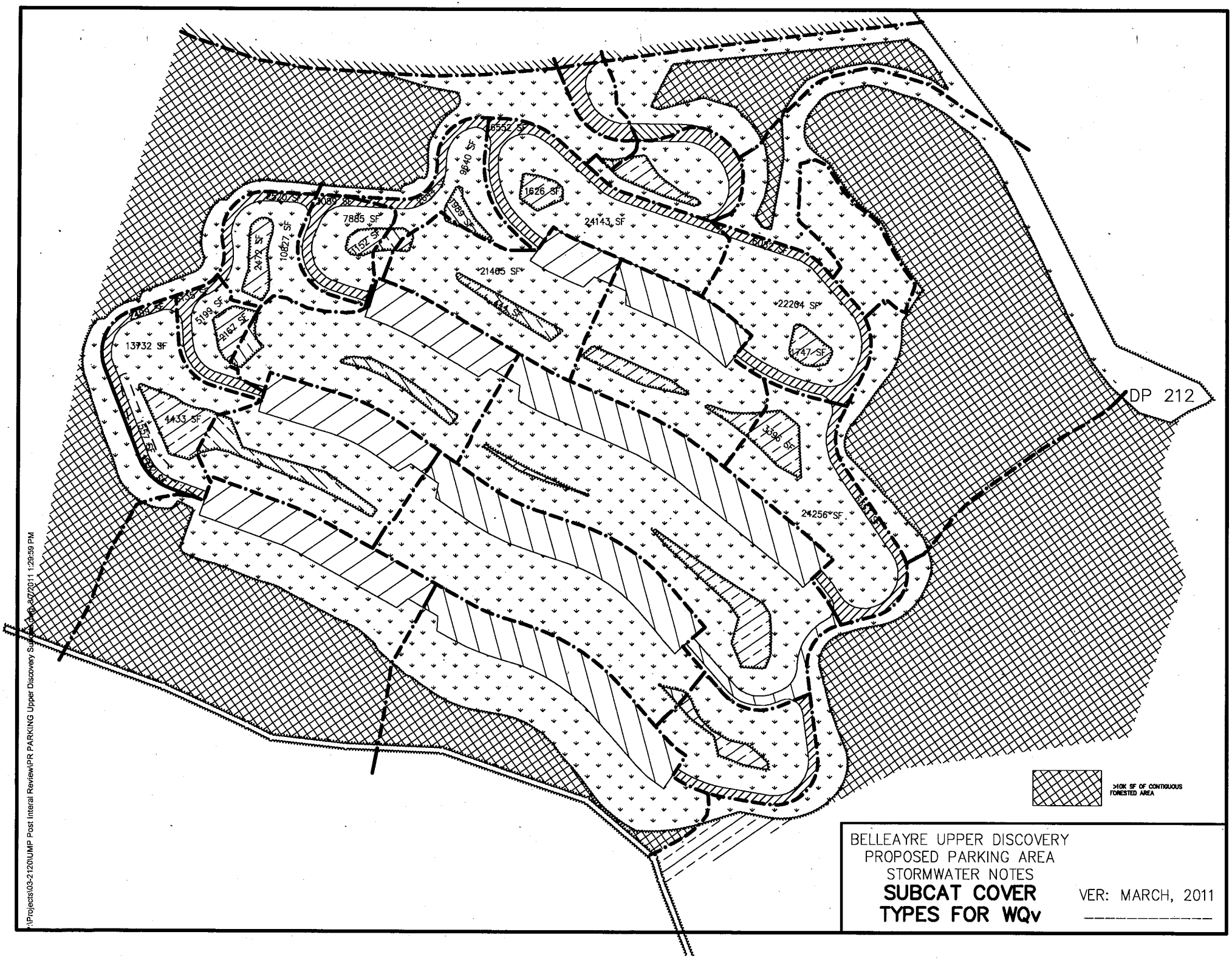
Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs

Summary for Link N/A2: Plot Corner Mark

Primary = 0.00 cfs @ 0.00 hrs, Volume= 0.000 af

Primary outflow = Inflow, Time Span= 0.00-24.00 hrs, dt= 0.01 hrs



BELLEAYRE UPPER DISCOVERY
PROPOSED PARKING AREA
STORMWATER NOTES

SUBCAT COVER TYPES FOR WQv

VER: MARCH, 2011

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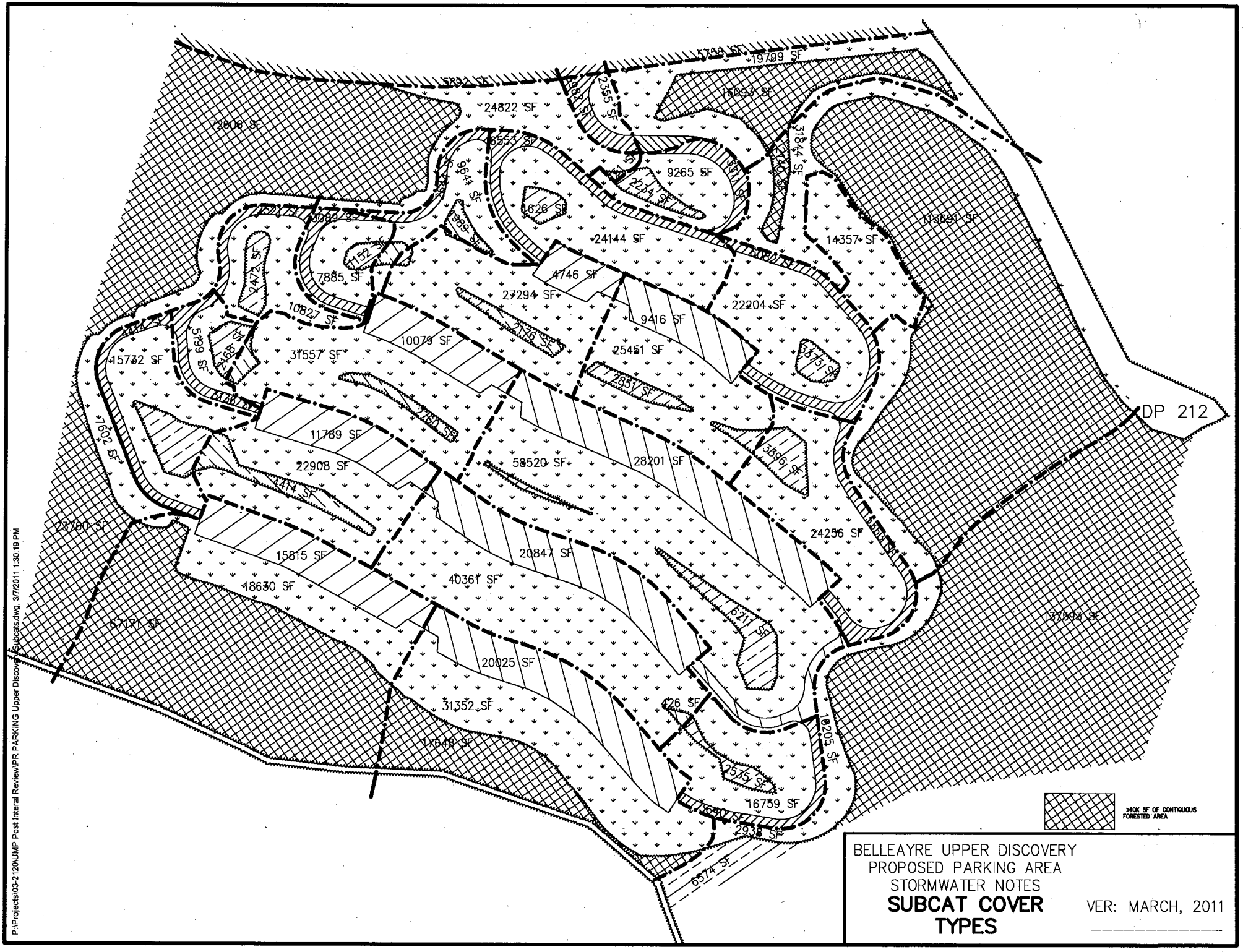
DP 212
>10K SF OF CONTIGUOUS FORESTED AREA
BELLEAYRE UPPER DISCOVERY
PROPOSED PARKING AREA
STORMWATER NOTES
SUBCAT COVER TYPES
VER: MARCH, 2011
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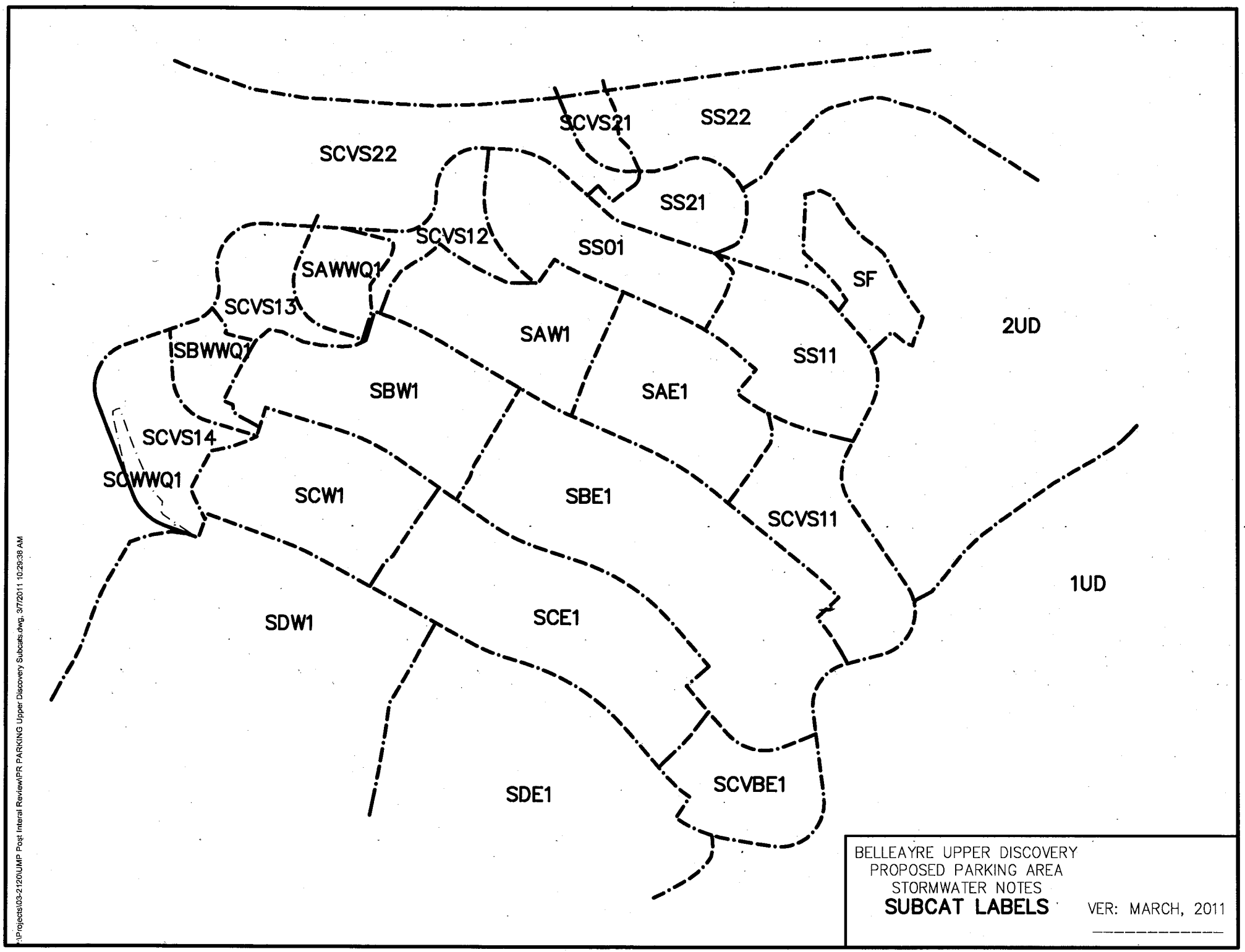

BELLEAYRE UPPER DISCOVERY
PROPOSED PARKING AREA
STORMWATER NOTES
SUBCAT LABELS

VER: MARCH, 2011

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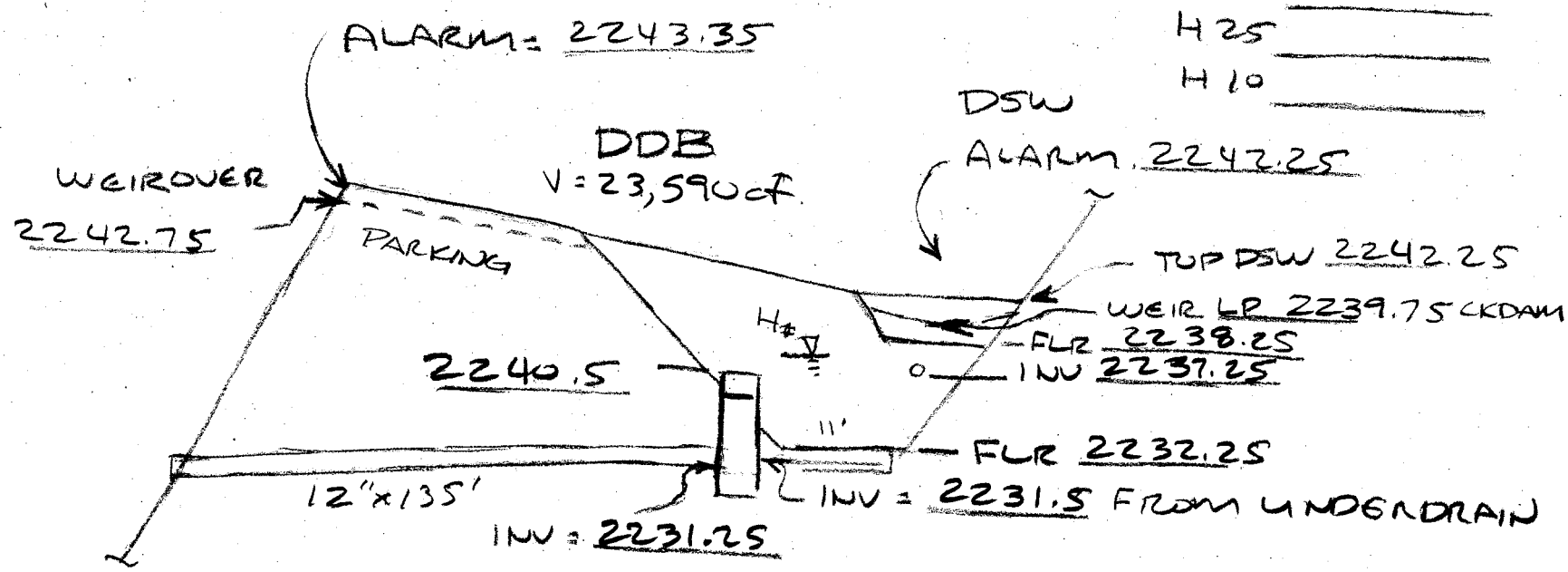
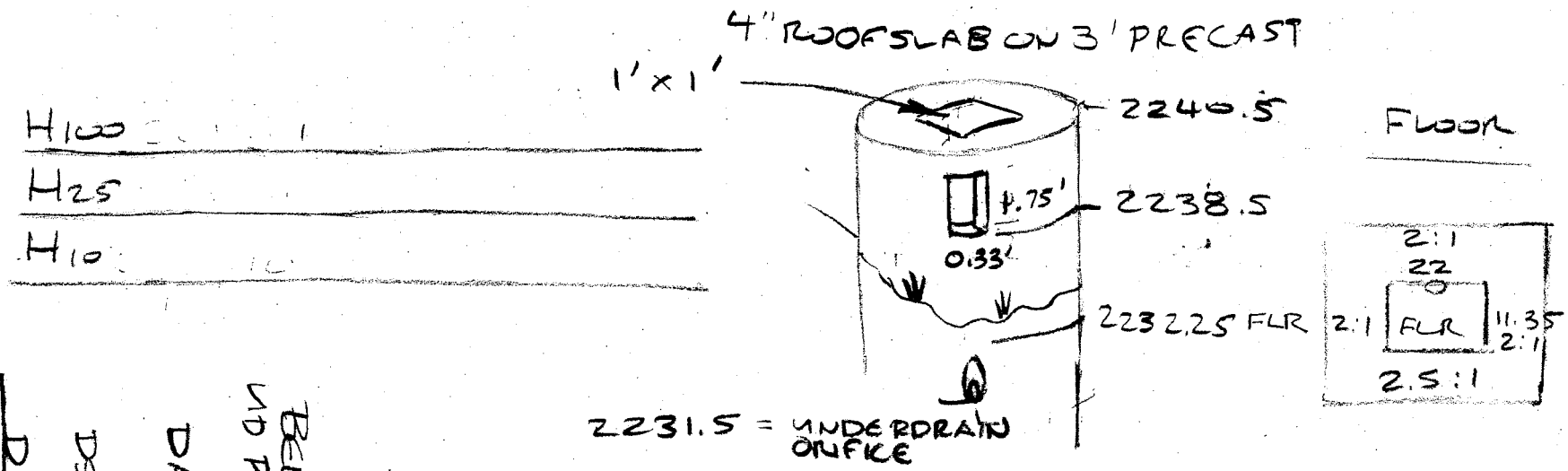
DRYDET D





@ d = 12' AF = 249.7
A12' = 4575

@ d = 12' for 9.35 x 22 flr
AF = 206
A12 = 4435

BELLEAYRE
UD PARKING

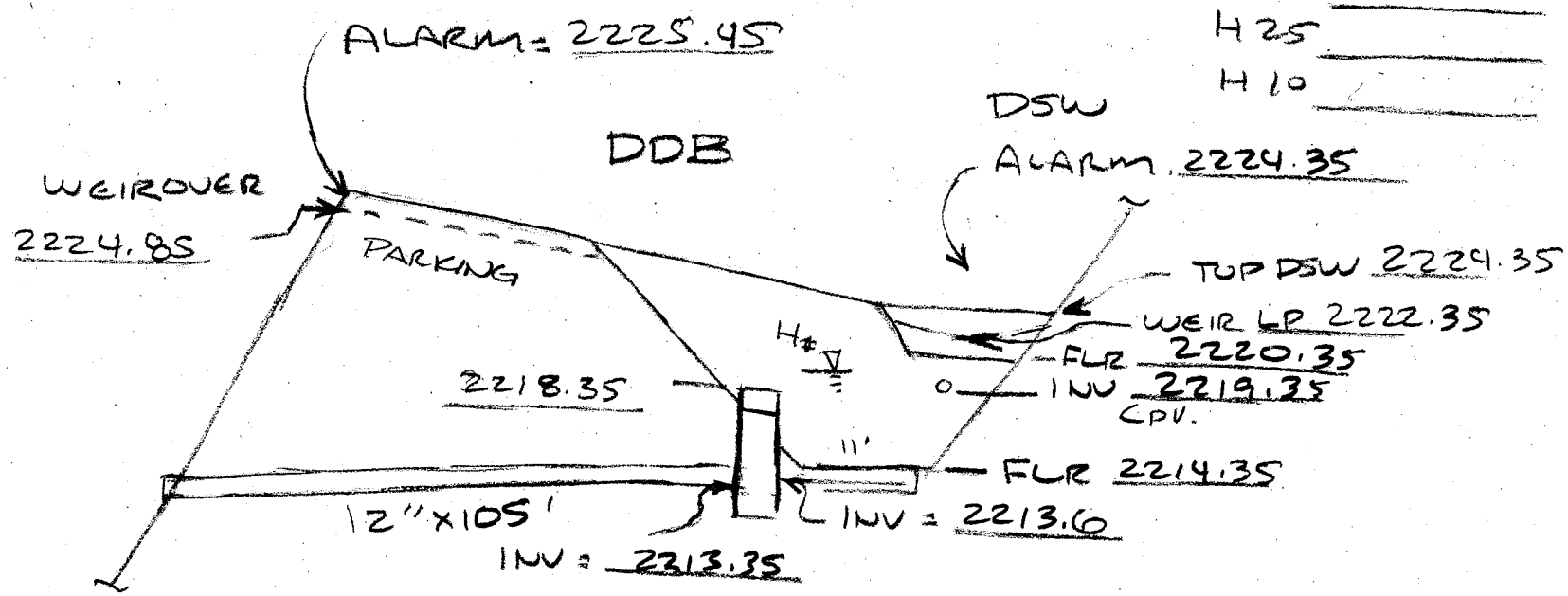
DATE: 2011

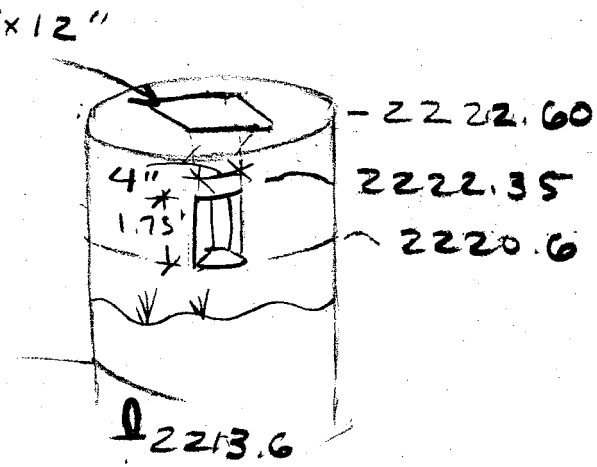
DSW

DDB
DRYDET D

DRYDETC

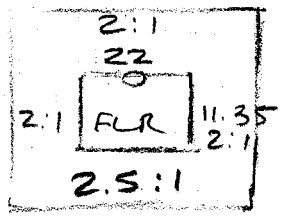
H100 _____
H25 _____
H10 _____





H100 _____
H25 _____
H10 _____

Floor



@d = 12' A_F = 249.7
$A_{12'}$ = 4575

@d = 12' for 9.35 x 22 flr
A_F = 206
A_{12} = 4435

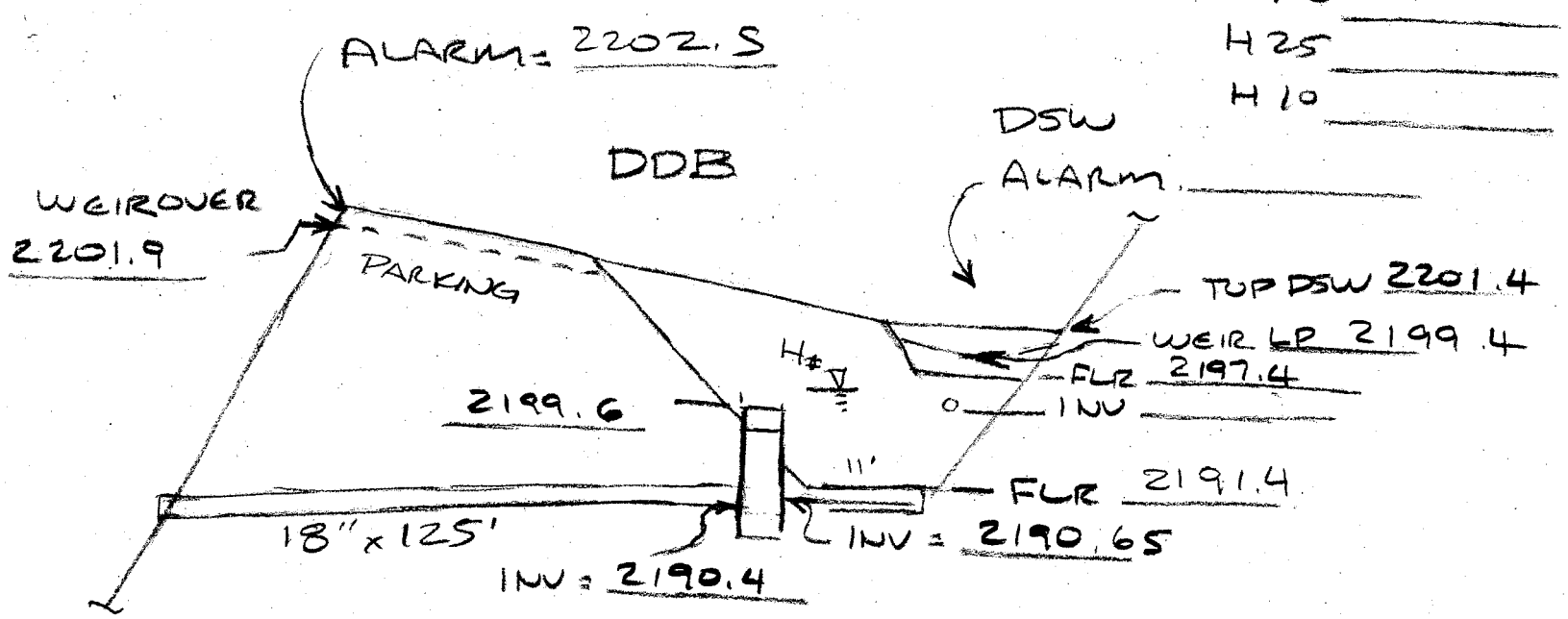
BELLEAYRE
UD PARKING

DATE:

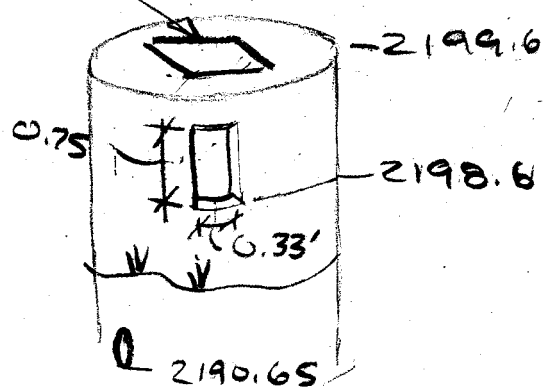
DSW
DS-C-E
DDB
DRYDETC

DRYDET B

H100 _____
H25 _____
H10 _____

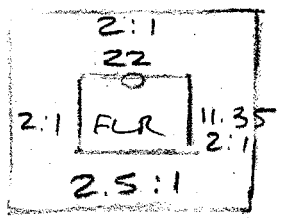


1.75' x 1.75'



H100 _____
H25 _____
H10 _____

Floor



(✓) @d = 12' AF = 249.7
A12' = 4575

( ) @d = 12' for 9.35 x 22 flr
AF = 206
A12 = 4435

BELLEAYRE
UD PARKING

DATE:

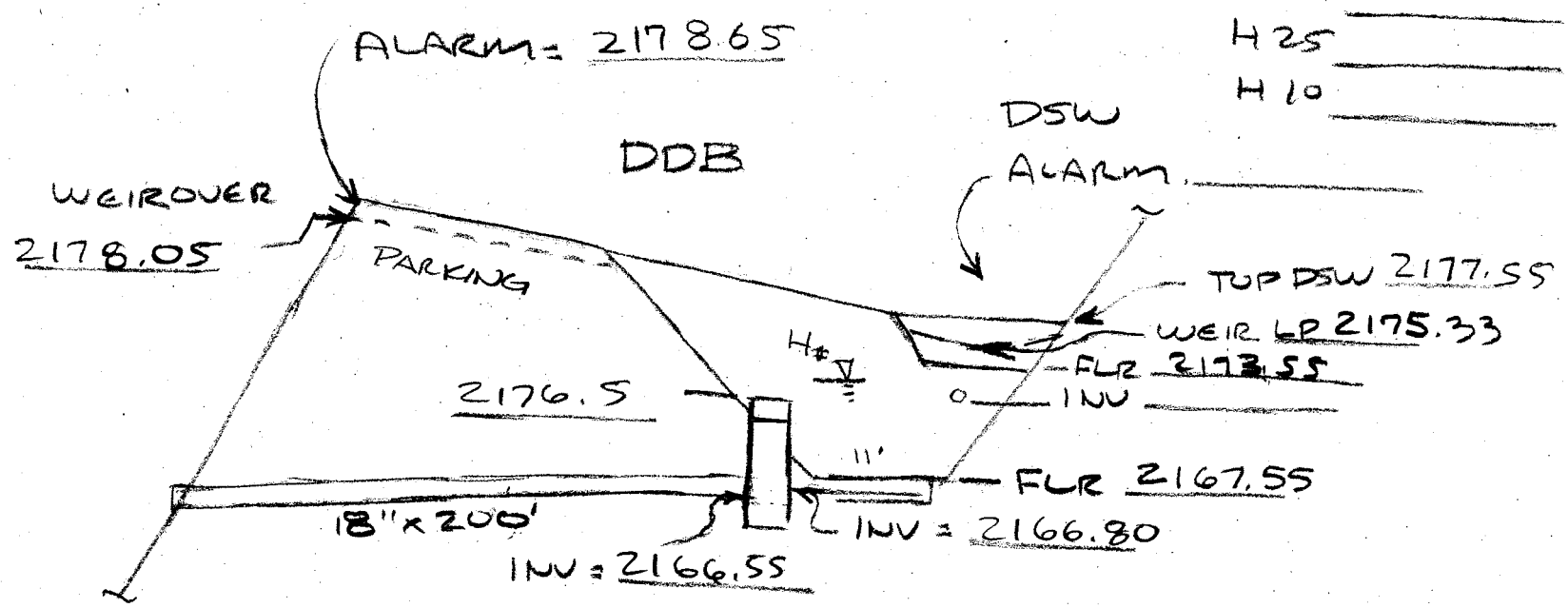
DSW

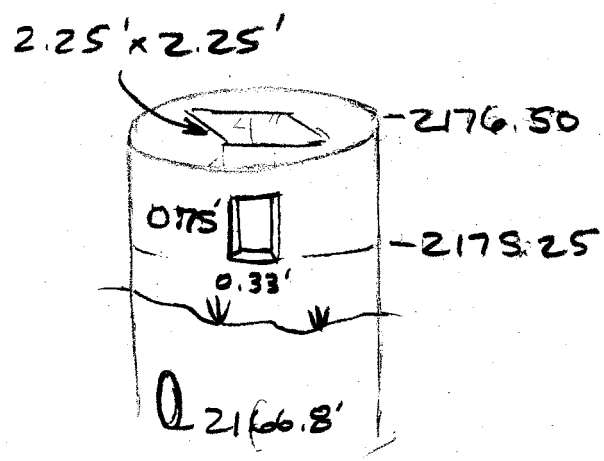
DDB

DRYDET B

DRYDET A

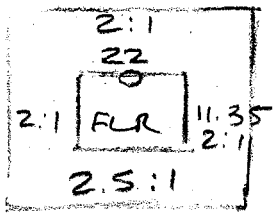
H100 _____
H25 _____
H10 _____





H100 _____
H25 _____
H10 _____

Floor



@d = 12' AF = 249.7
A12' = 4575

@d = 12' for 9.35 x 22 flr
AF = 206
A12 = 4435

DRYDET A

DDB

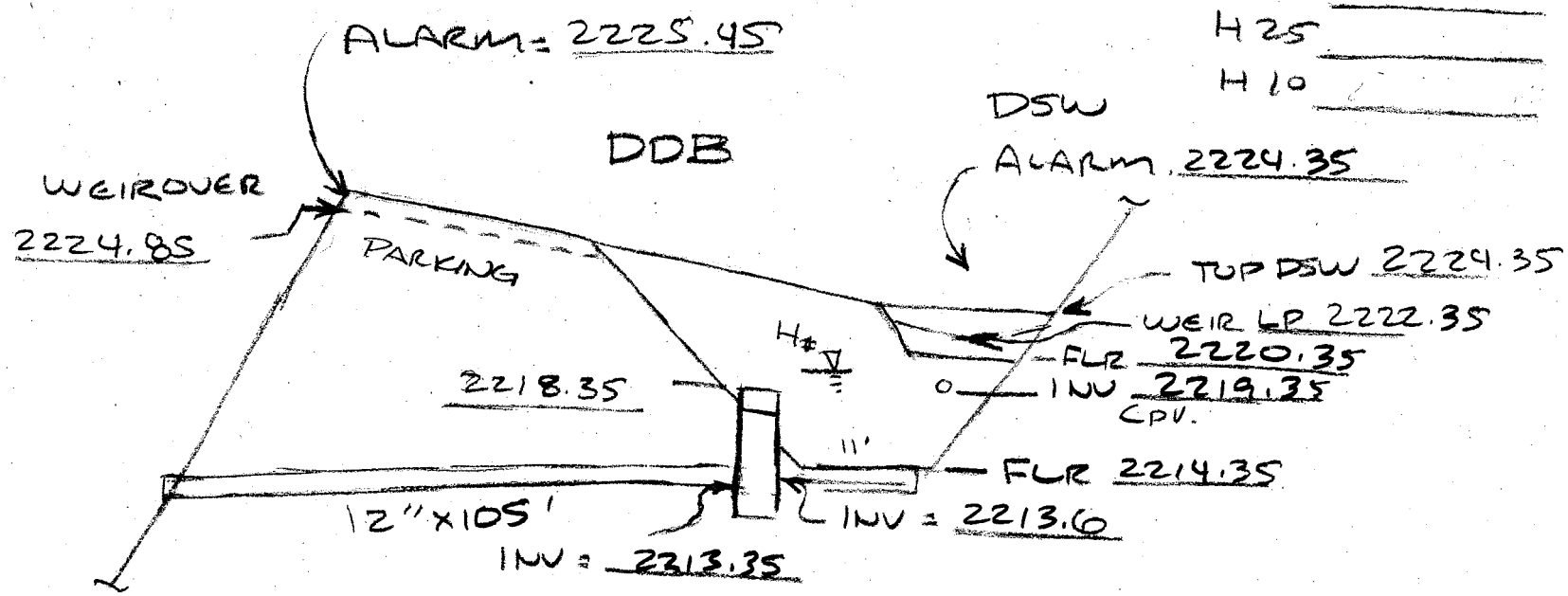
DSW

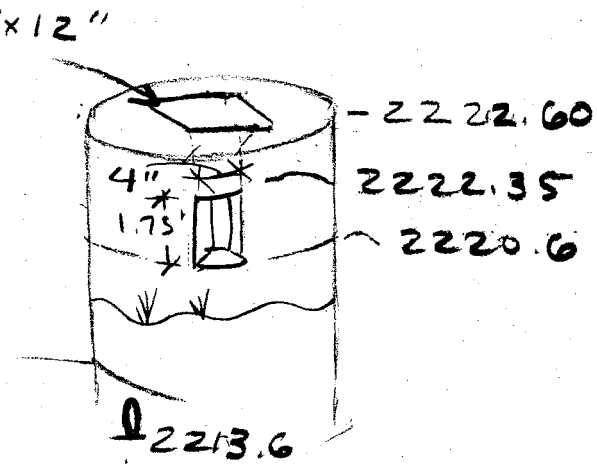
DATE:

BELLEAYRE UP PARKING

DRYDETC

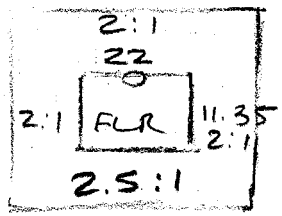
H100 _____
H25 _____
H10 _____





H100 _____
H25 _____
H10 _____

Floor



@d = 12' A_F = 249.7
$A_{12'}$ = 4575

@d = 12' for 9.35 x 22 flr
A_F = 206
A_{12} = 4435

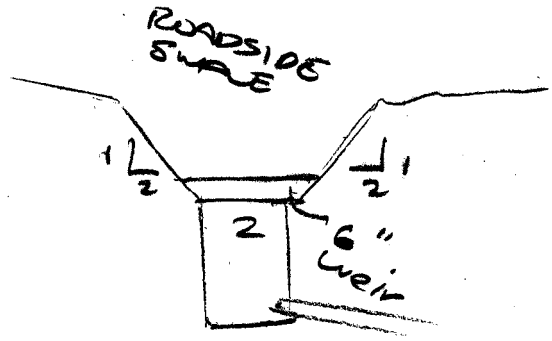
BELLEAYRE
UD PARKING

DATE:

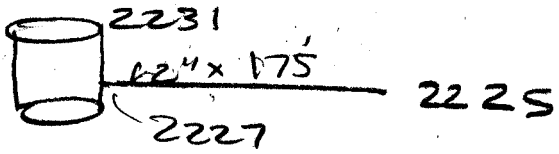
DSW
DS-C-E
DDB
DRYDETC

3/6/11

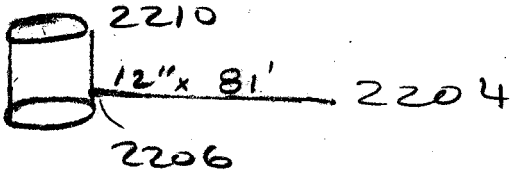
CATCH BASIN / DIVERSION STRUCTURES
FOR WQV 1yr TO DSW's



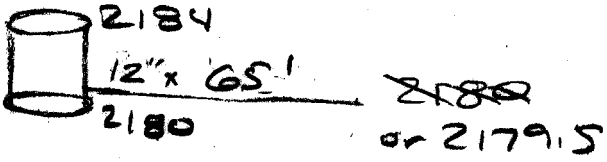
C



B



A.

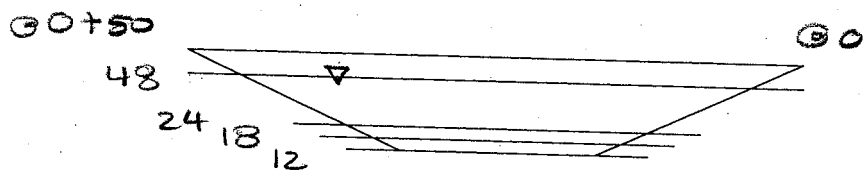


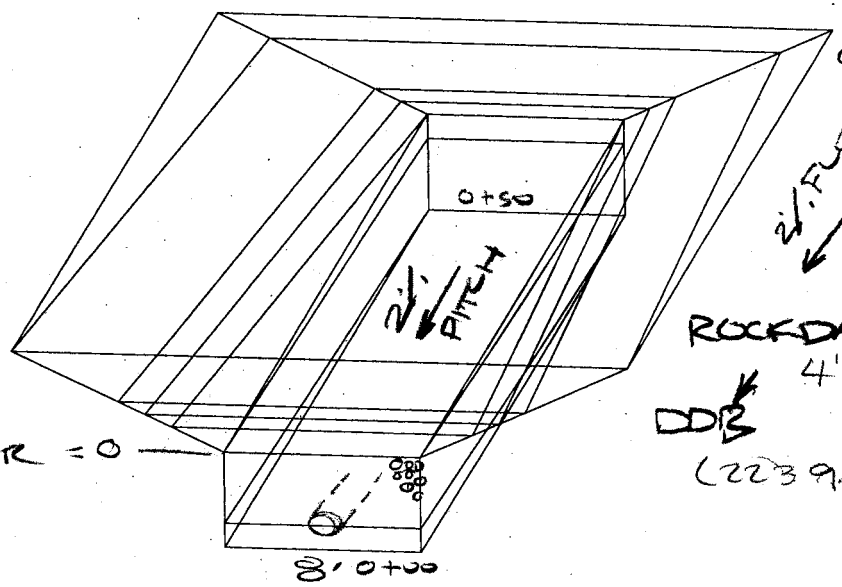
AMPAD 22-141 50 SHEETS 22-142 100 SHEETS 22-144 200 SHEETS

USE OUTLET

L = 50'
S = 2% FLOOR SLOPE

	CHECKDAM.	ROCKDAM.
0	18" - 0' W	24" - 3' WIDE
0.5	24" - 1.5	36" - 7'
2		48" - 25'
2.5	48" - 25	





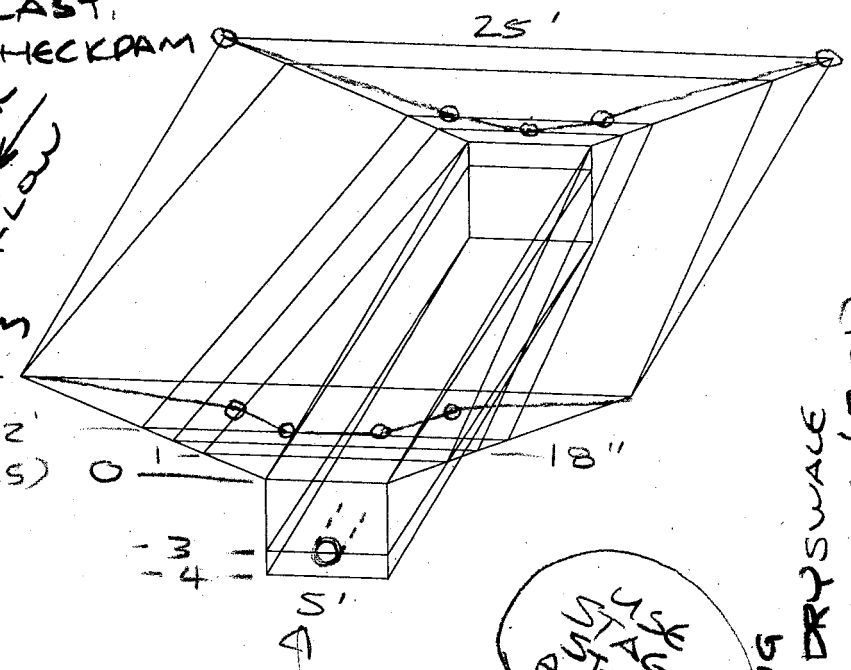
LAST CHECKDAM

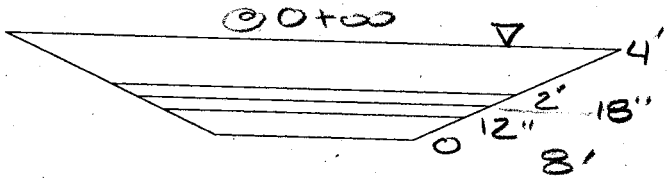
2% FLOOR FLOW

ROCKDAM

DDB

(2239.25)





USE STAGE STORAGE AREAS

FLOOR

8'

4'	1144 SF
2	719
18"	613
1	506
0	~~400~~ 0
-1	
-2	
-3	400
-4	0

USE

6.5'

ELEV	AREA
4'	1135 SF.
2'	672
18"	556
1	440
0	~~325~~ 0
-1	-
-2	-
-3	325
-4	0

SUBGRADE N/A

5'

ELEV	AREA
4'	1125 SF
2	625
18"	500
1	375
0	~~250~~ 0
-1	
-2	
-3	250
-4	0

UP PARKING LAST 50' OF DRY SWALE DSW POND MODULES (50')

FACILITY NAME	BELLEAYRE MOUNTAIN SKI CENTER UMP
FACILITY NO.	XXXX
PROJECT NO.	03-2120
DATE	XXX, 2009
SCALE	AS NOTED
FIGURE	

P:\Projects\03-2120\UMP Post Interal Review\Stormwater DDB Layout Drawing.dwg, 2/10/2011 7:48:29 AM

37-00-1 (7/05)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

PROJECT GRID

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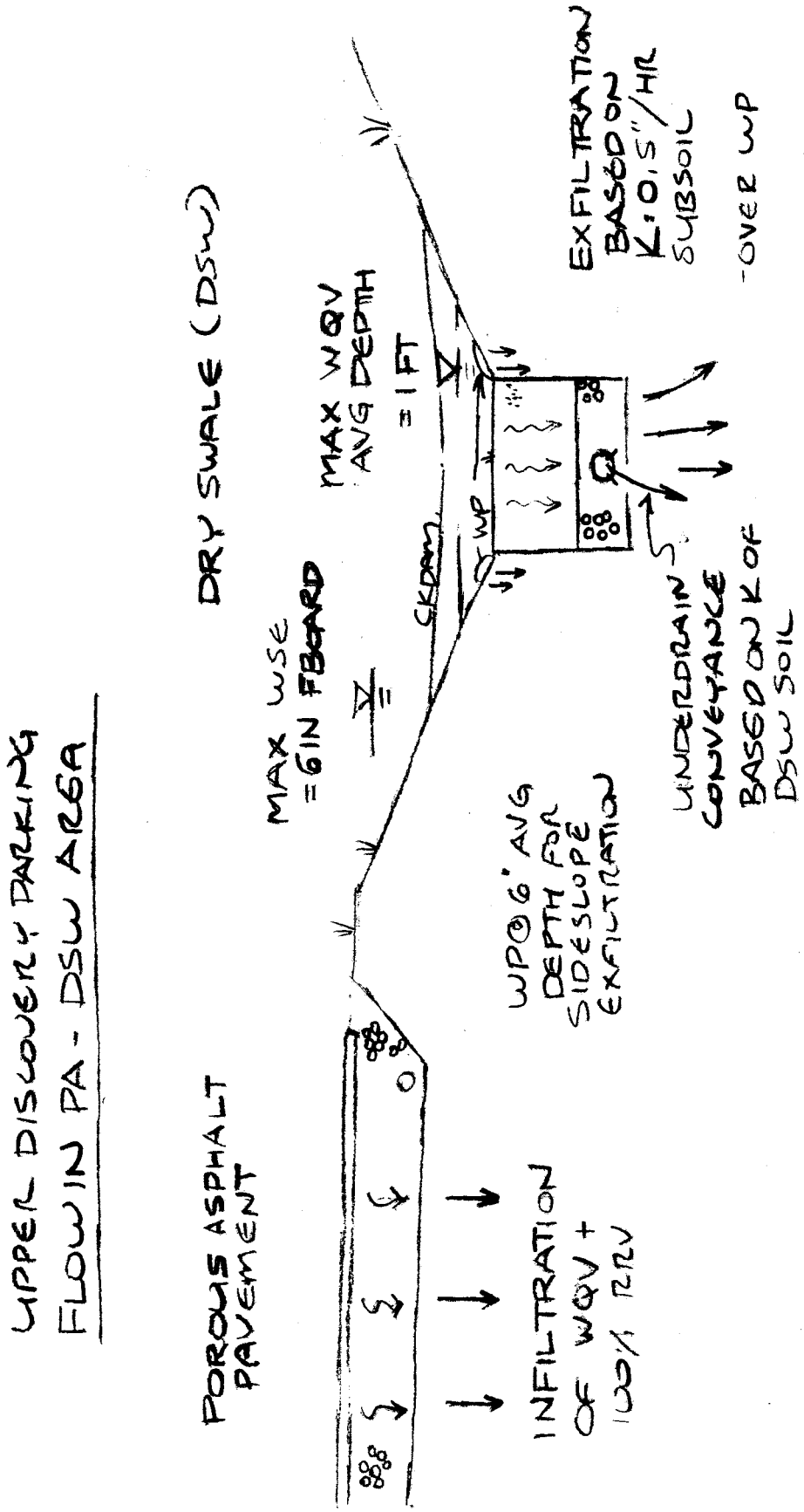
03-2120		1	RJP	11-1-10
			COMPUTED BY	DATE



37-00-1 (7/05)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

PROJECT GRID

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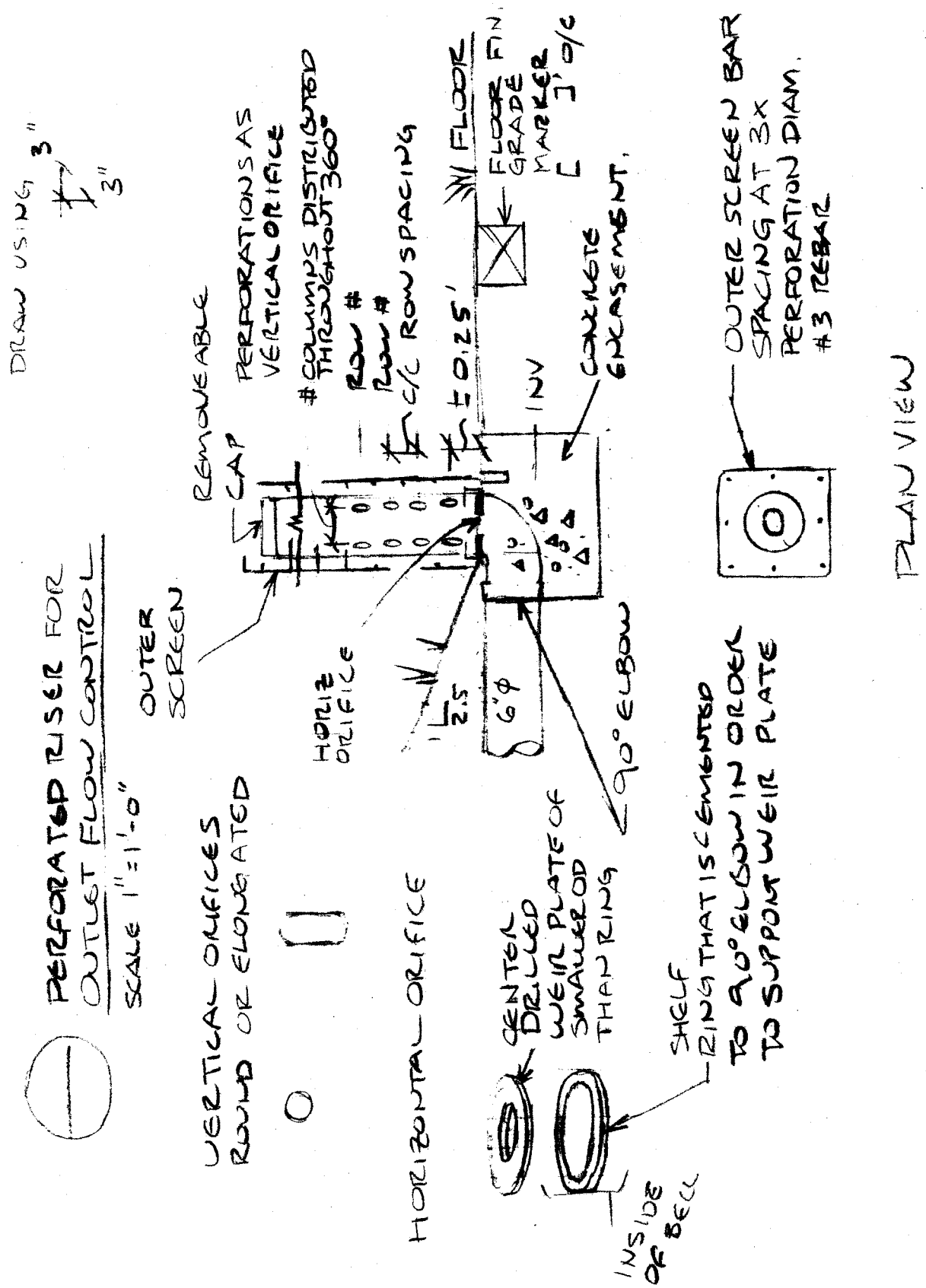
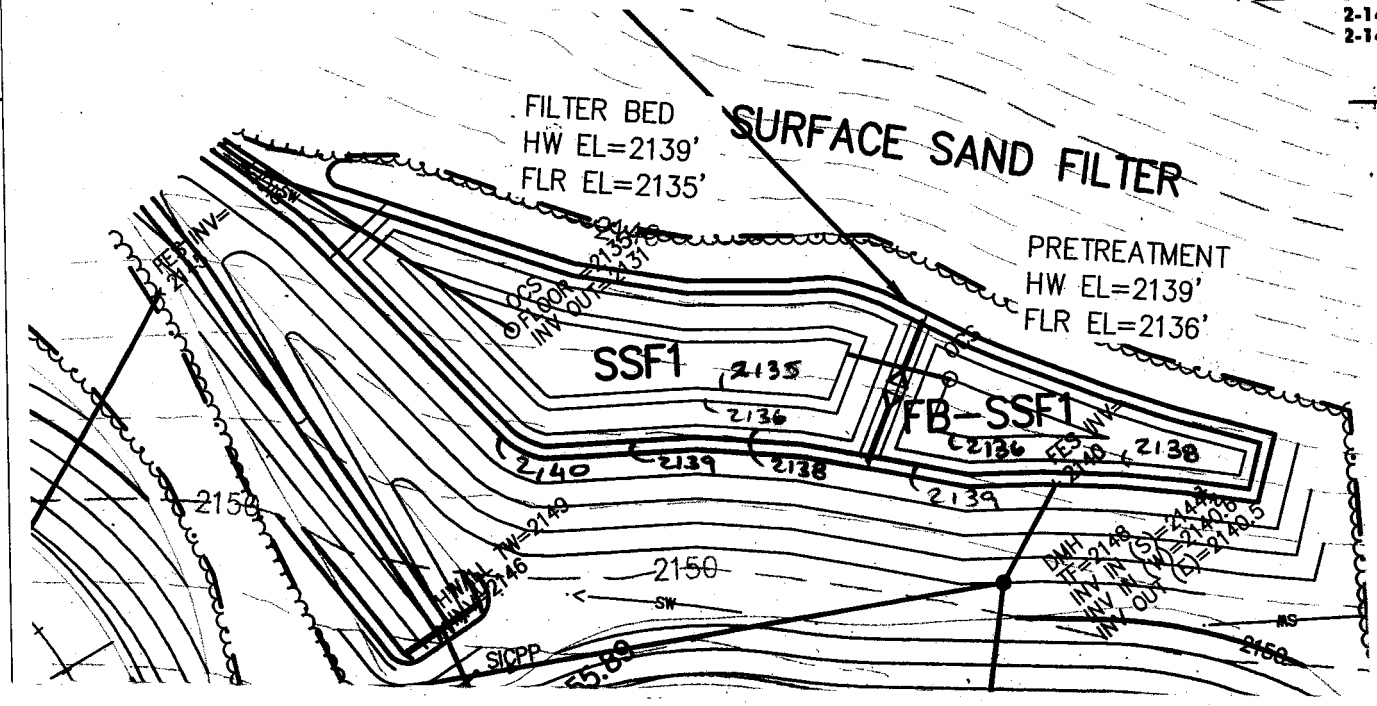
			COMPUTED BY RJP	DATE 3-8-11

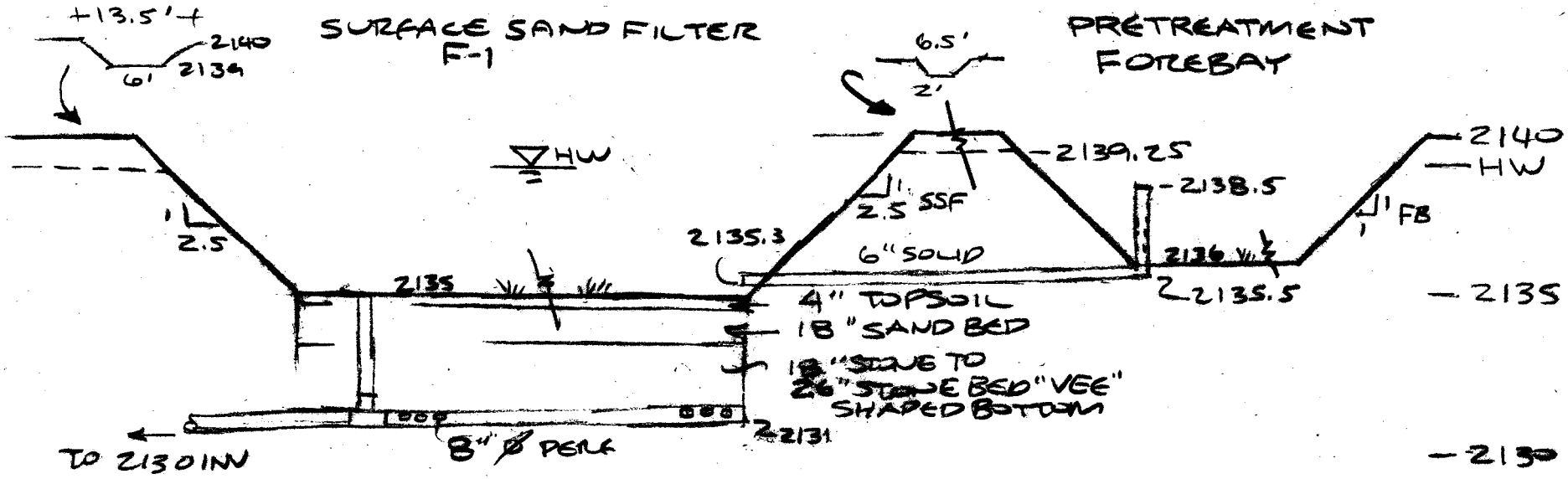


22-141 50 SHEETS
2-142 100 SHEETS
2-144 200 SHEETS



FB	EL	SF
	2136	208
	2138	879
	2139	1321
	2140	1815

SF	
2135	879
2136	1394
2139	3251
2140	3963
Σ 2140	=5778



UPPER DISCOVERY PARKING AREA

2/23/11

37-00-1 (7/05)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

PROJECT GRID

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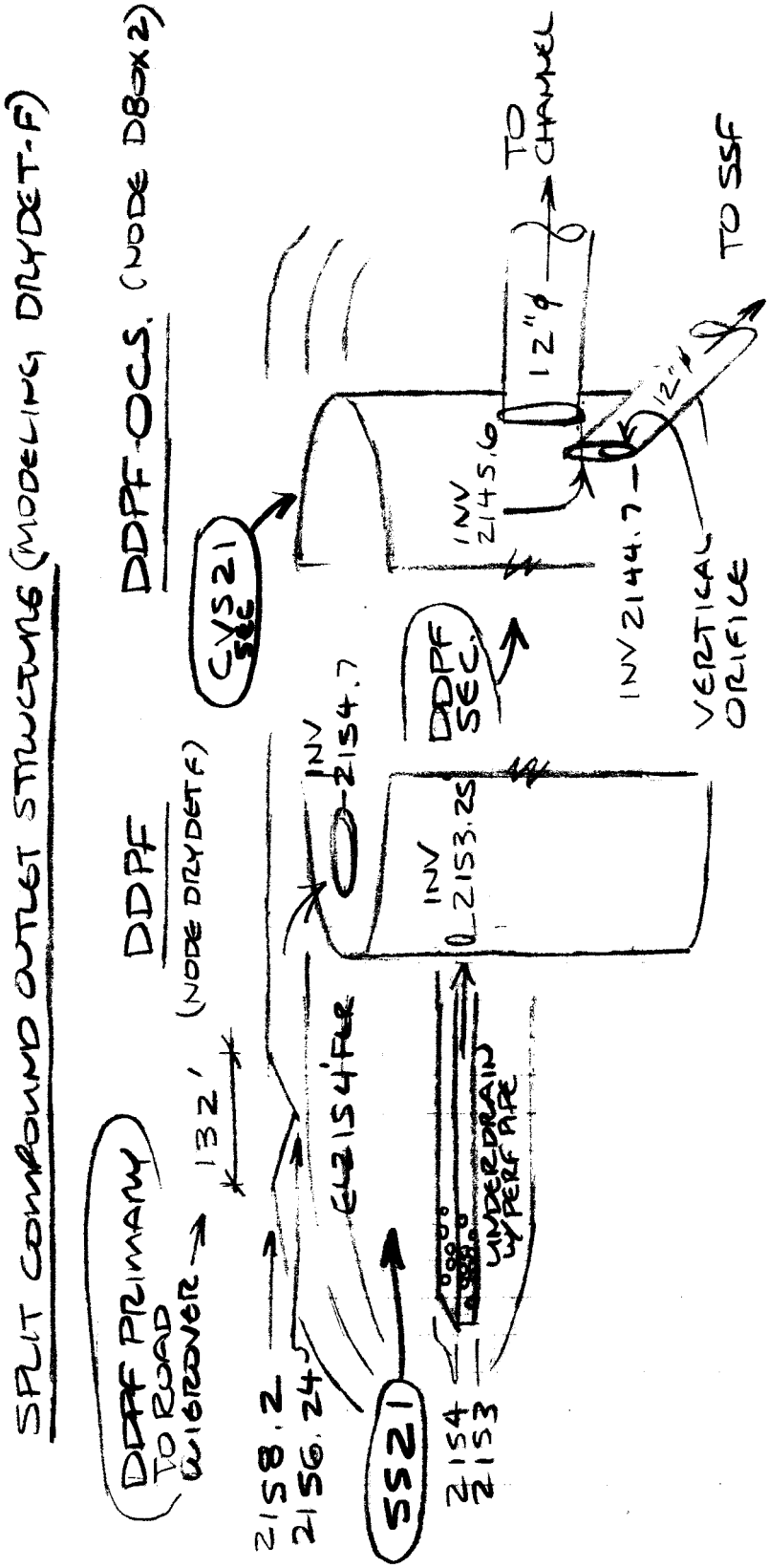
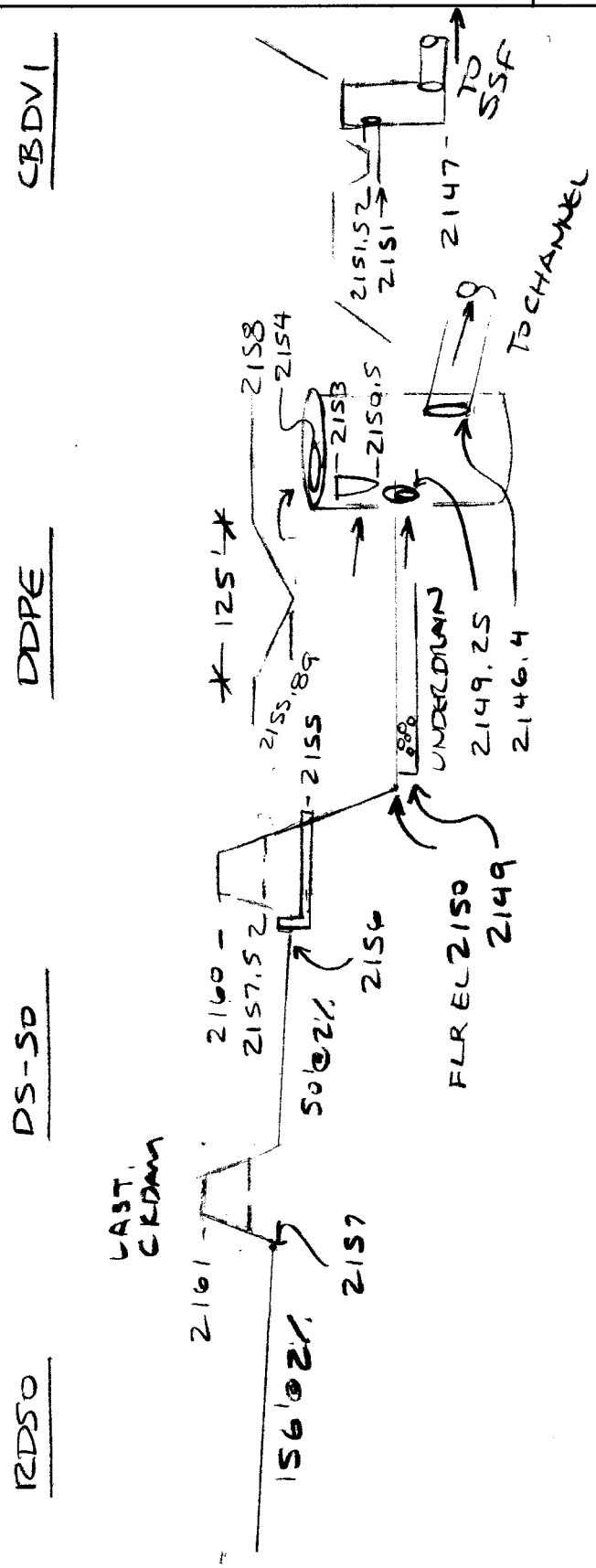


37-00-1 (7/05)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

PROJECT GRID

JOB NUMBER	FILE NUMBER	SHEET NUMBER	CHECKED BY	DATE
UPPER DISCOVERY PARKING			COMPUTED BY	DATE 3.22.11



37-00-1 (7/05)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

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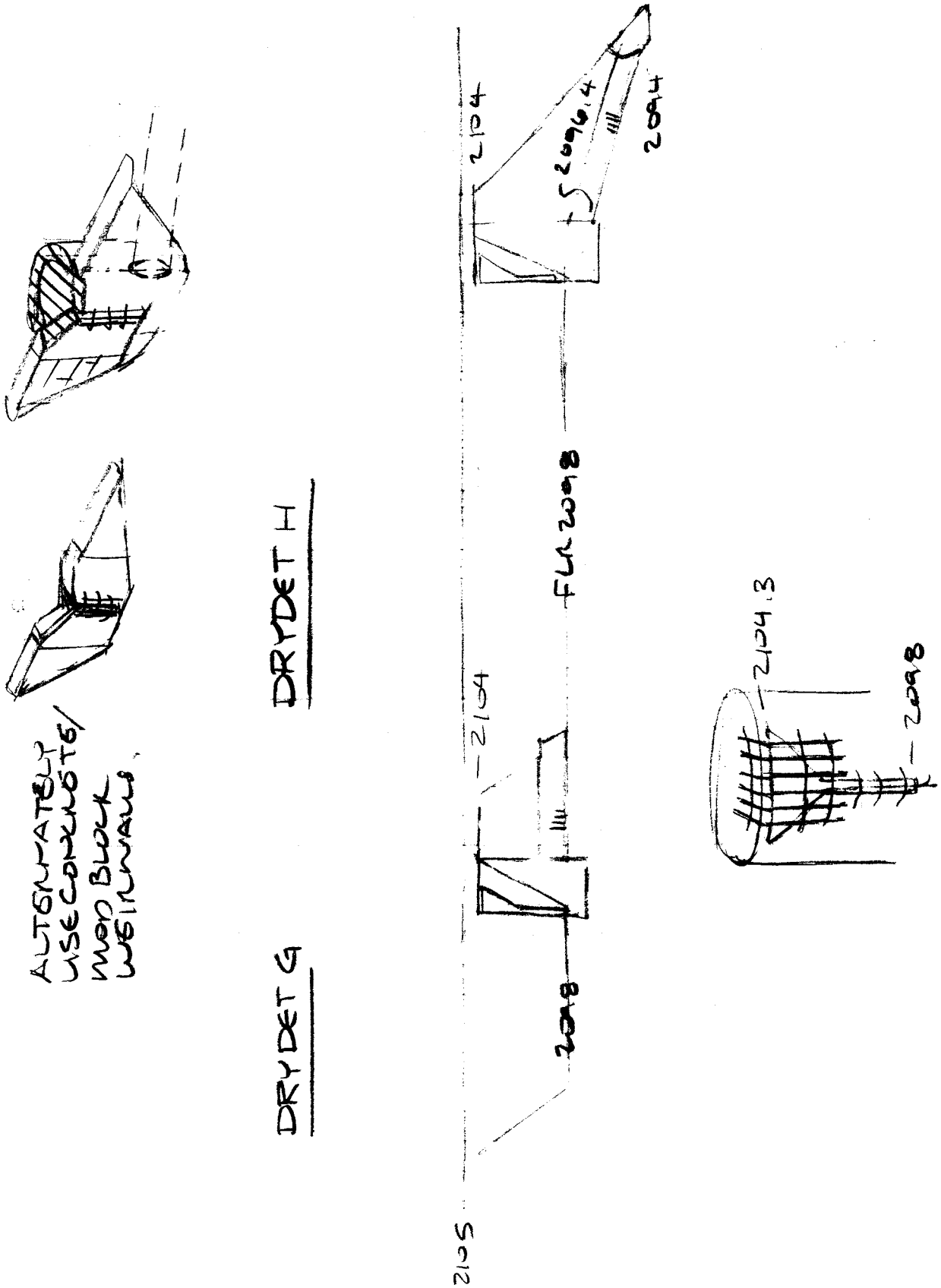
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UPPER DISCOVERY PARKING			COMPUTED BY	DATE 3.22.11