

MARTHA'S VINEYARD REGIONAL HIGH SCHOOL

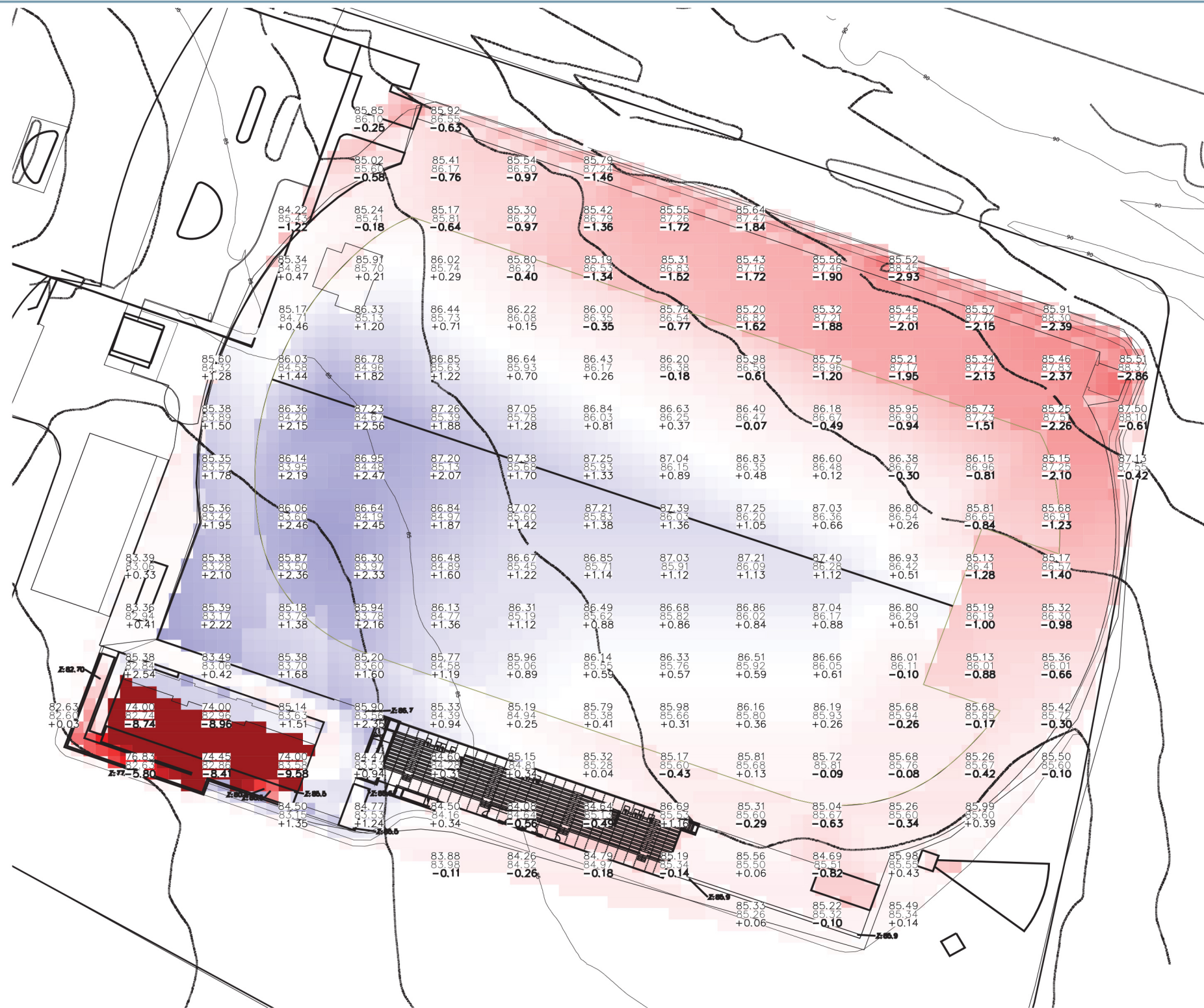
Preliminary design

Date: 3-28-2020

Martha's Vineyard Regional High School
 Preliminary Design Documents
 Huntress Associates, Inc.
 Cut / Fill
 3/28/2020

	Permitting dwgs	
	Field 1	Field 2
TOPSOIL		
Existing Topsoil (POSITIVE NUMBER)	4,800	1,500
Needed Topsoil Non-Athletic Planting Areas (NEGATIVE NUMBER)	(430)	(550)
Needed Topsoil for Athletic Field (NEGATIVE NUMBER)		(2,800)
TOPSOIL	4,370	(1,850)
TOTAL SOIL DISPLACED	4,370	(1,850)
<small>(Positive=Excess, Negative=Import)</small>		
GRADING		
Cut (POSITIVE NUMBER)	3,300	1,300
Fill (NEGATIVE NUMBER)	(4,500)	(1,600)
TOTAL CUT FILL	(1,200)	(300)
MISC EXCESS MAT'L (ALL POSITIVE NUMBERS)		
6" HDPE perf. drainage pipe		207
Leaching basins	5	6
8" HDPE drainage pipe		33
Drainage trench	22	
Scoreboard foundation	15	
Sports lighting foundations	16	
Concrete walls for ramps (3' wide foundation)	110	
Bleacher foundations	36	
Aco Brixx system (3'x2') field area	569	
Aco drains/turf anchor	167	
Aco Brixx system (3'x2') lawn area	99	
HDPE drainage pipe	97	
Segmental walls (1.5' wide stone pad)	26	
Triple jump/Long jump pits	70	
Electrical building	9	
*Sewer tanks	76	
MISC EXCESS TOTAL	1,316	246
TOTAL SOIL DISPLACED	116	(54)
<small>(Positive=Excess, Negative=Import)</small>		

- Assumptions
- Existing topsoil thickness 5" thick
 - Synthetic turf profile - 1.5" infill / Brock YSR / Base stone 6"
 - Assume 6" slab and 12" gravel at proposed building
 - Assume 6" concrete slab and 12" gravel at proposed shed
 - Assumes re-use of existing topsoil from field #1 construction
 - Assumes area of track/field/bleacher field #1 200,000sf to change elev.
 - Assumes area of field area #2 75,600sf to change elev.

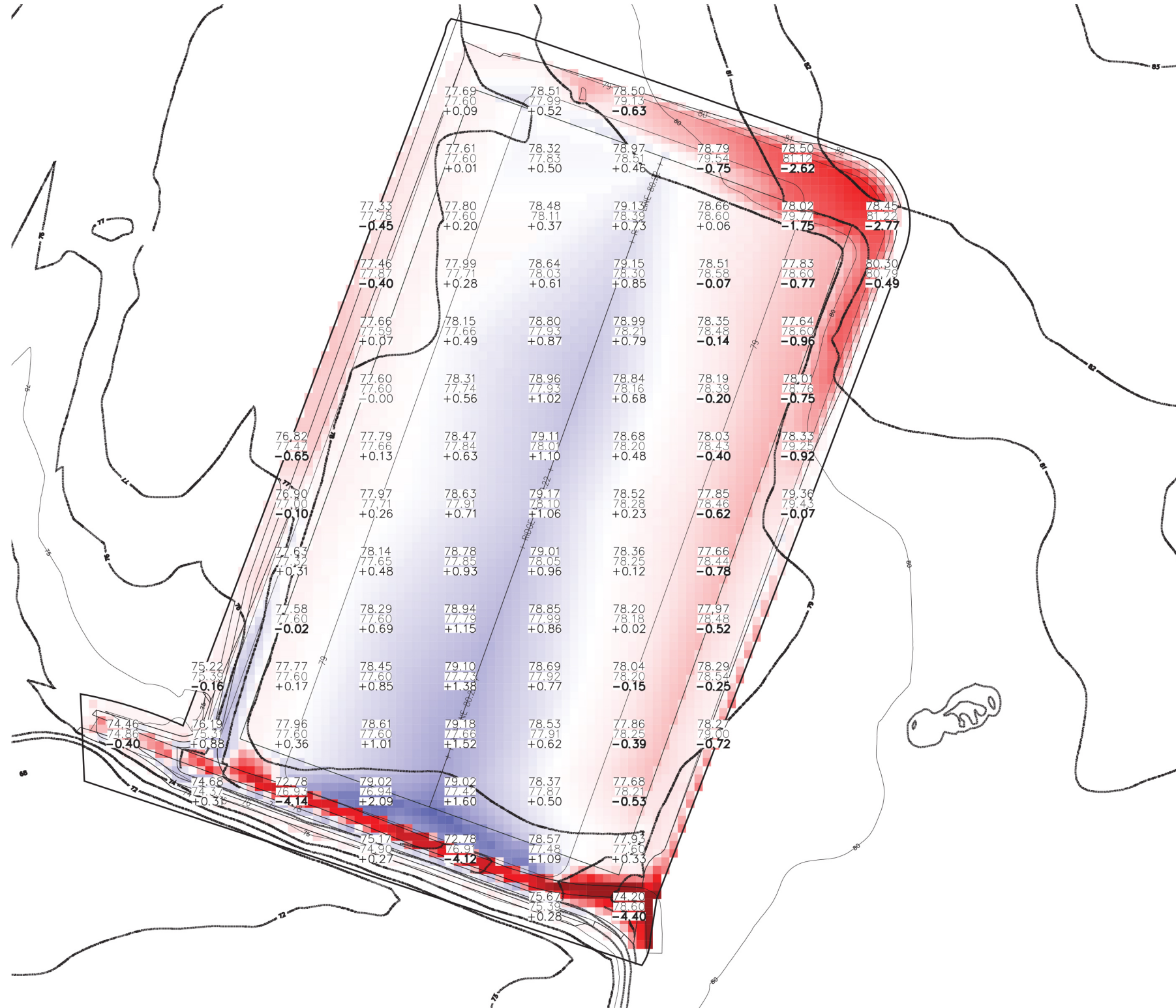


Field #1 Total export of soils = 116cy

MARTHA'S VINEYARD REGIONAL HIGH SCHOOL

Preliminary design

Date: 3-28-2020



Field #2 Total import of soils = 54cy

Martha's Vineyard Regional High School
Preliminary Design Documents
Huntress Associates, Inc.
Cut /Fill
3/28/2020

Permitting dwgs		
	Field 1	Field 2
TOPSOIL		
Existing Topsoil (POSITIVE NUMBER)	4,800	1,500
Needed Topsoil Non-Athletic Planting Areas (NEGATIVE NUMBER)	(430)	(550)
Needed Topsoil for Athletic Field (NEGATIVE NUMBER)		(2,800)
TOPSOIL	4,370	(1,850)
TOTAL SOIL DISPLACED		
	4,370	(1,850)
<small>(Positive=Excess, Negative=Import)</small>		
GRADING		
Cut (POSITIVE NUMBER)	3,300	1,300
Fill (NEGATIVE NUMBER)	(4,500)	(1,600)
TOTAL CUT FILL	(1,200)	(300)
MISC EXCESS MAT'L (ALL POSITIVE NUMBERS)		
6" HDPE perf. drainage pipe		207
Leaching basins	5	6
8" HDPE drainage pipe		33
Drainage trench	22	
Scoreboard foundation	15	
Sports lighting foundations	16	
Concrete walls for ramps (3' wide foundation)	110	
Bleacher foundations	36	
Aco Brixx system (3'x2') field area	569	
Aco drains/turf anchor	167	
Aco Brixx system (3'x2') lawn area	99	
HDPE drainage pipe	97	
Segmental walls (1.5' wide stone pad)	26	
Triple jump/Long jump pits	70	
Electrical building	9	
*Sewer tanks	76	
MISC EXCESS TOTAL	1,316	246
TOTAL SOIL DISPLACED		
	116	(54)
<small>(Positive=Excess, Negative=Import)</small>		

- Assumptions
- Existing topsoil thickness 5" thick
 - Synthetic turf profile - 1.5" infill / Brock YSR / Base stone 6"
 - Assume 6" slab and 12" gravel at proposed building
 - Assume 6" concrete slab and 12" gravel at proposed shed
 - Assumes re-use of existing topsoil from field #1 construction
 - Assumes area of track/field/bleacher field #1 200,000sf to change elev.
 - Assumes area of field area #2 75,600sf to change elev.