

Soccer Field Renovation and Modernization

May 1, 2018



Goals

1

Develop a League and NCAA compliant soccer pitch for training and competition

2

Modernize systems and infrastructure to facilitate the most efficient ongoing maintenance

3

Provide flexibility for new field to support existing programs and future opportunities

Programming Requirements

NCAA Compliance	Provide a playing surface of 70 yards by 110 yards MINIMUM
Quality	Provide smooth uniform field grading to facilitate drainage and optimal play
Event Capabilities	Provide adequate event support and venue branding capable of hosting playoff matches

Scope of Work; Overview

1

Regrade the entire natural grass area expanding the footprint significantly

2

Install new state of the art underground irrigation system

3

Install and procure new features and equipment (Scoreboard, goals, benches, fan seating)

4

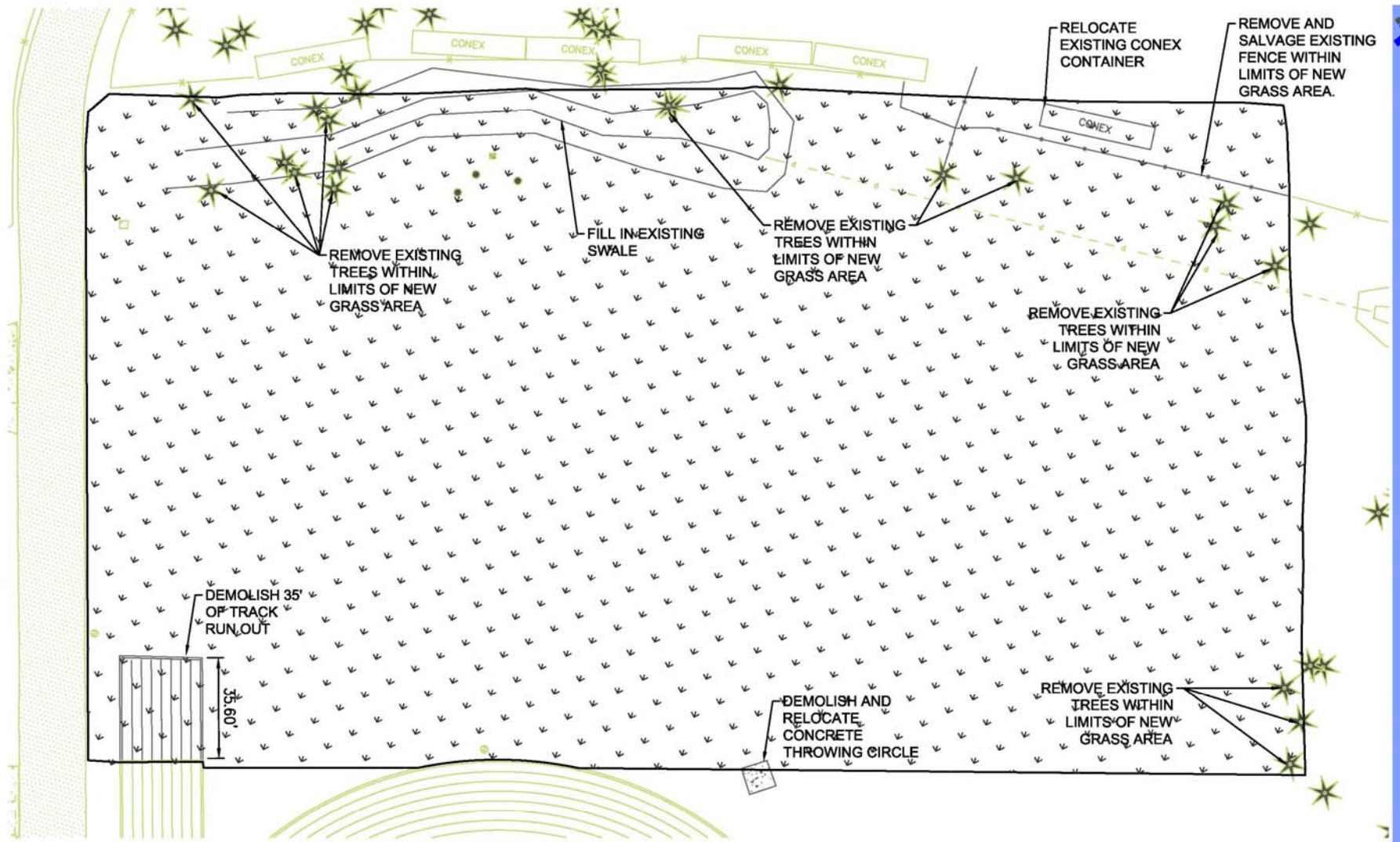
Install new natural grass playing surface



Google Earth

Existing Aerial

Demolition Plan



Design Details and Considerations



Track Extension

Filling Drainage Basin

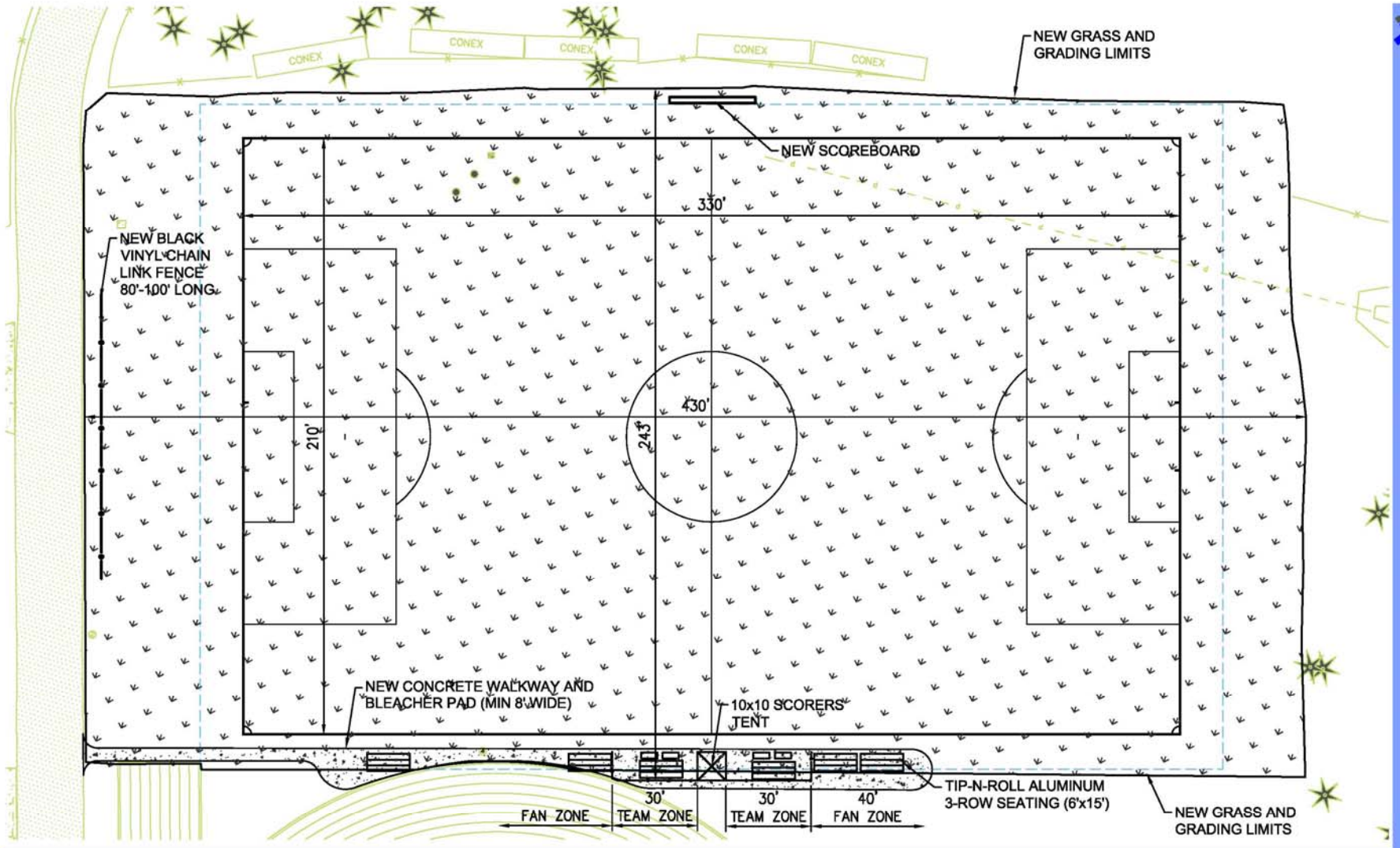
Impact on Corp Yard

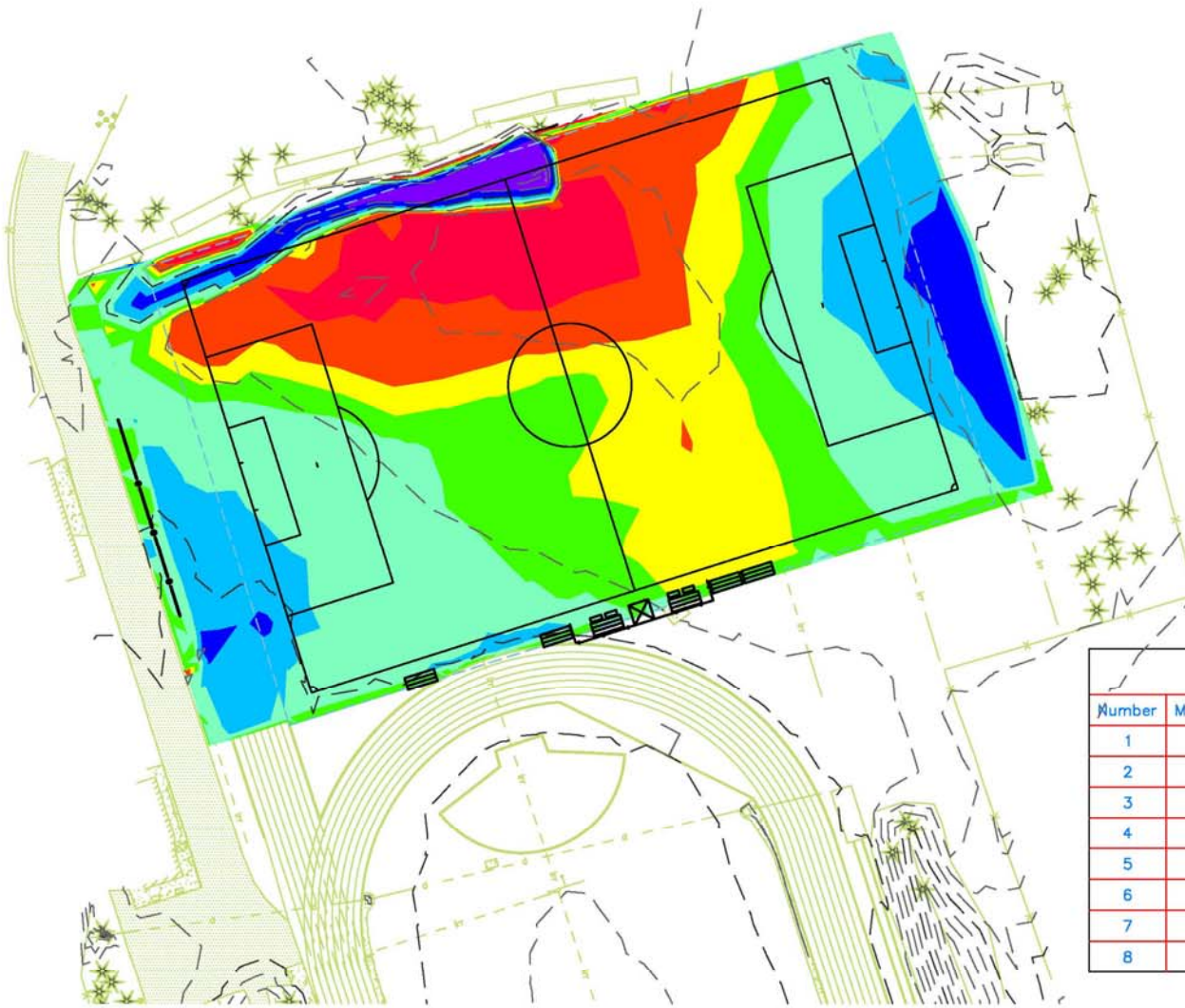
Tree Removal

New Walkway

Competition Configuration

330 X 210 Soccer Layout

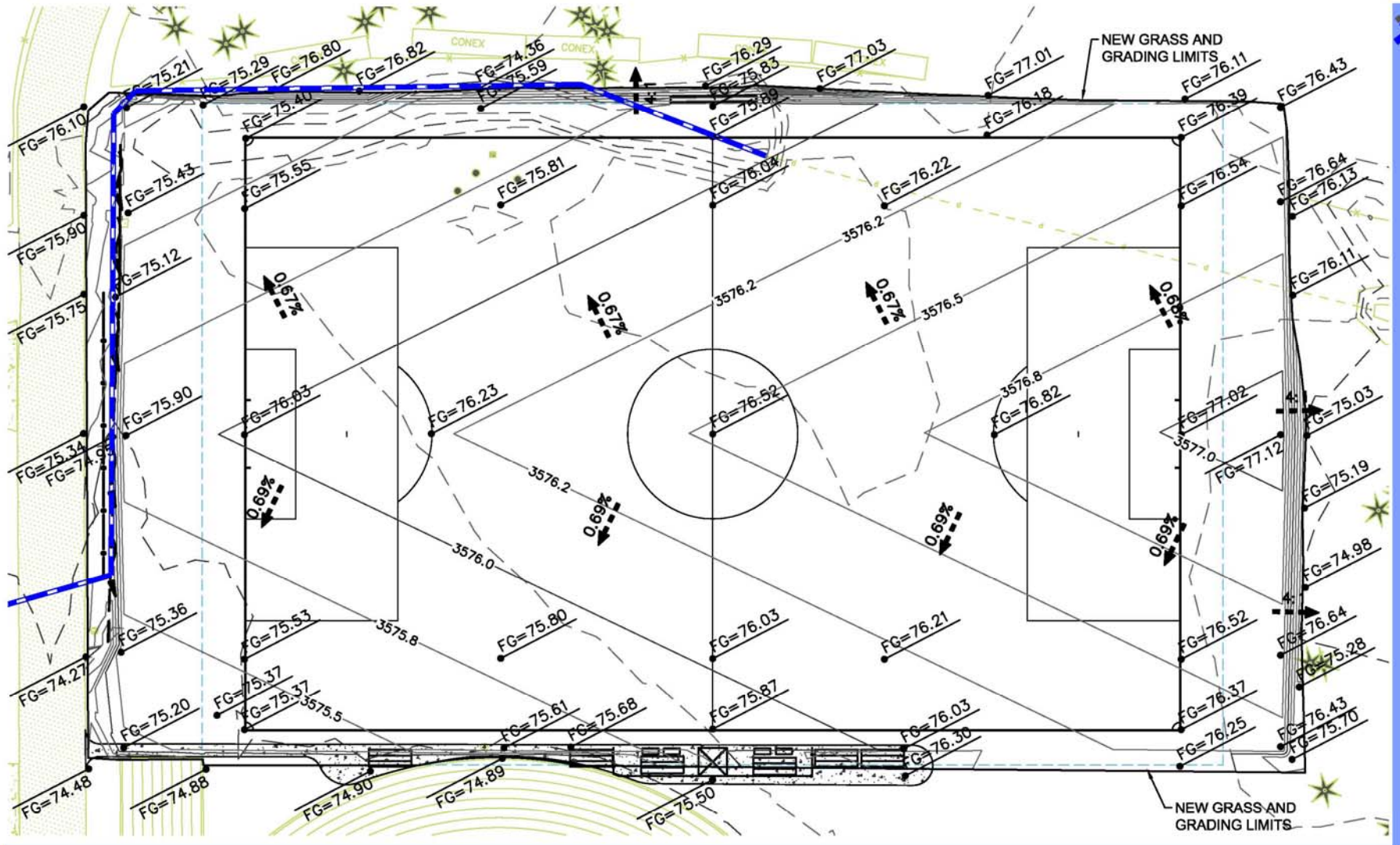




EARTHWORK BALANCE	
CUT	935 CY
FILL	935 CY
TOTAL DISTURBED AREA = 101745 SF	

Elevations Table				
Number	Minimum Elevation	Maximum Elevation	Area	Color
1	-1.57	-1.00	7214.82	Red
2	-1.00	-0.50	12796.05	Orange
3	-0.50	-0.25	15224.12	Yellow
4	-0.25	0.00	15693.82	Light Green
5	0.00	0.50	31422.88	Light Blue
6	0.50	1.00	13904.97	Blue
7	1.00	2.00	4312.10	Dark Blue
8	2.00	3.03	1099.47	Purple

Concept Grading and Drainage



Alternate Field Layouts



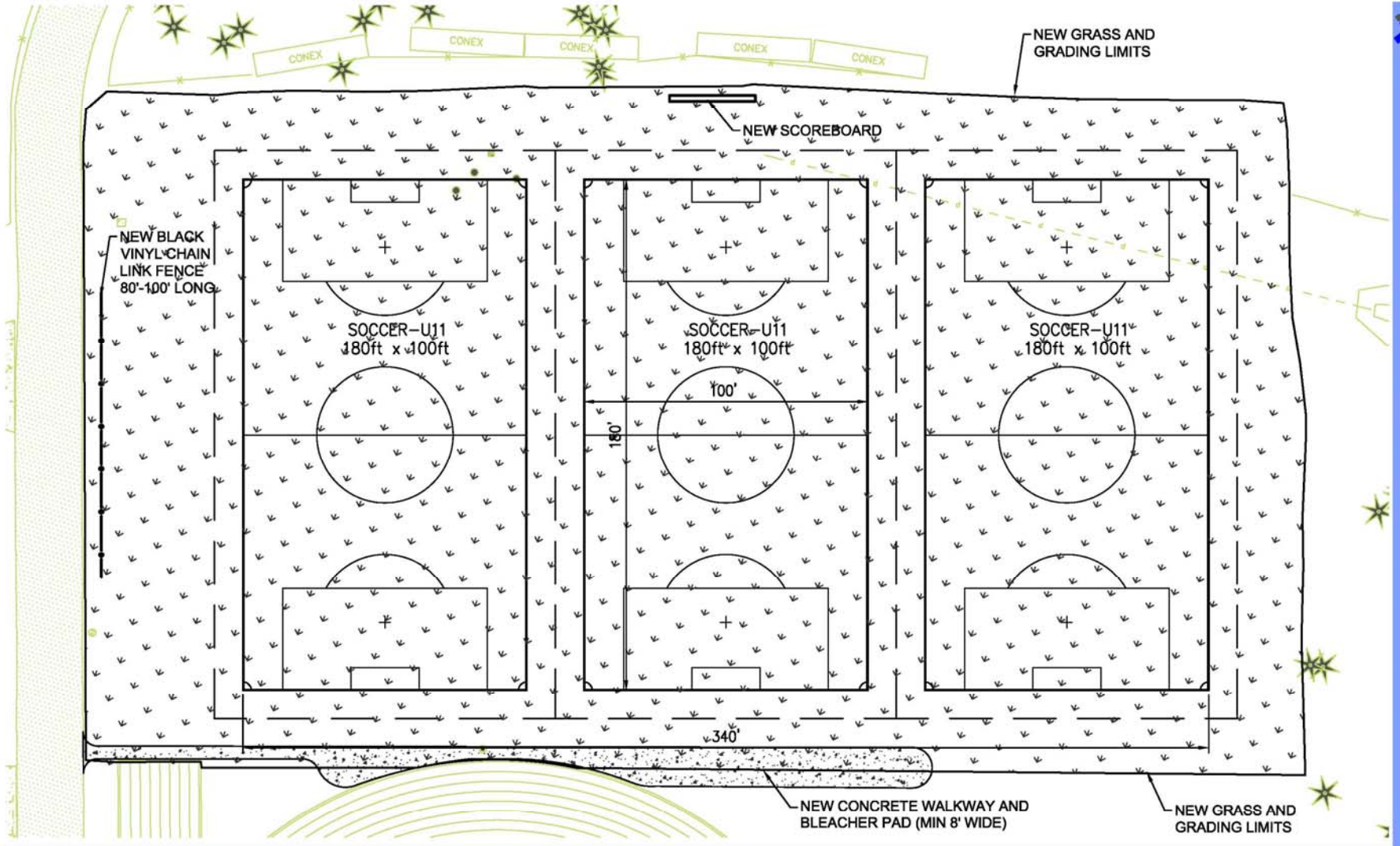
1

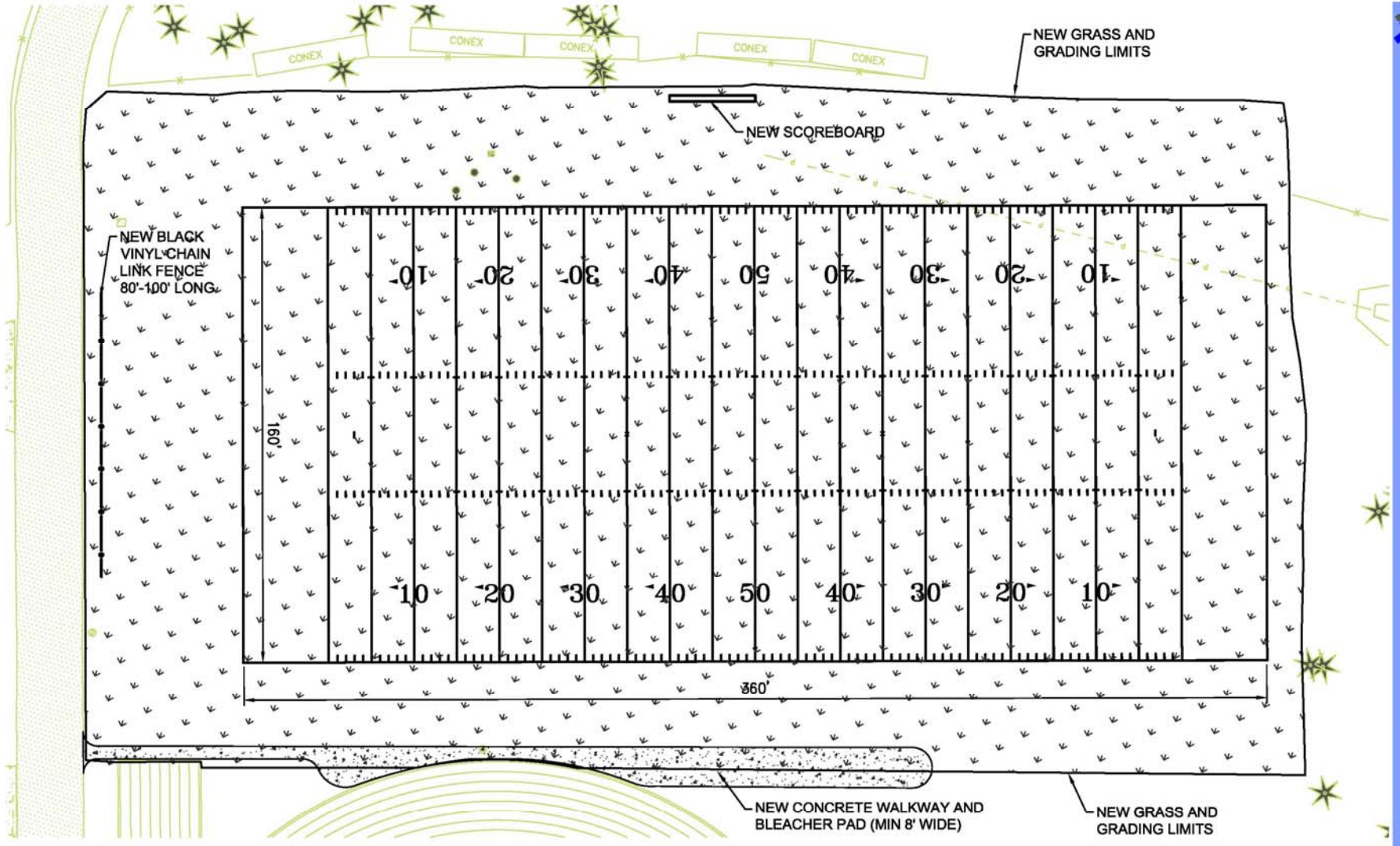
Short Axis Soccer Layouts

2

Football Layout

Short Axis Soccer Layout







- New Daktronics Scoreboard
- New Portable NCAA Goals with Round Face
 - Standard Set-Up or Tension Netting at Extra Cost
- Team Benches and Tip-n-Roll Spectator Seating
 - 15' Aluminum Benches
 - 3-Row, 15' Bleachers

Sport Equipment Sampling

Concept Budget Summary



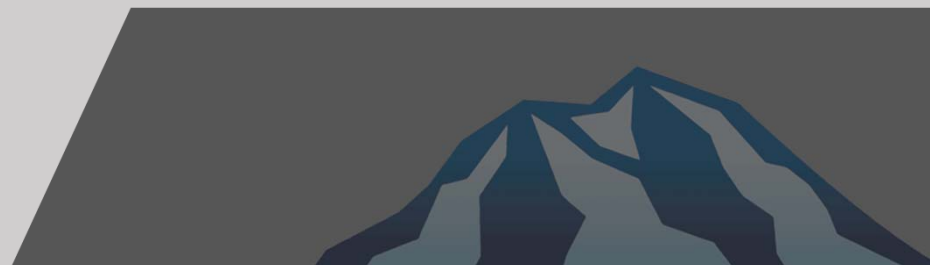
Breakdown Summary	
Demolition and Mobilization	\$39,500
Grading and Earthwork	\$69,725
Sitework	\$38,750
Infrastructure and Utilities	\$112,500
Natural Grass Sports Field	\$129,000
Sports Equipment and Fixtures	\$50,000
Project Costs	\$101,194
Total Cost	\$541,169

Concept Budget – Full Breakdown

April 24, 2018
 Siskiyou Soccer Field Renovation
 18-110
 Concept Layout and Scope Narrative

BMJ				v.1
Concept Scope - Soccer Field and Features				
	Qty/ Unit	Unit Cost		Total Cost
1 Demolition and Mobilization				
Clear and Grub	120,000 LS	\$ 0.15	\$	18,000
Remove Existing Trees and Stumps	1 LS	\$ 10,000.00	\$	10,000
Carefull removal of track extension	1 LS	\$ 2,500.00	\$	2,500
Potholling all Existing Utilities	1 LS	\$ 2,500.00	\$	2,500
Demo and Cap existing Irrigation	1 LS	\$ 4,000.00	\$	4,000
Storm Drain Cleaning	1 LS	\$ 2,500.00	\$	2,500
	subtotal		\$	39,500
2 Grading and Earthwork				
Survey and Staking	1 LS	\$ 5,000.00	\$	5,000
Rip and stockpile topsoils	40,000 SF	\$ 0.25	\$	10,000
Mass Grading Cut	935 CY	\$ 15.00	\$	14,025
Mass Grading Fill	935 CY	\$ 20.00	\$	18,700
Mass Grading, consolidation, and verification	110,000 SF	\$ 0.20	\$	22,000
	subtotal		\$	69,725
3 Sitework				
New asphalt walkway and Apron (2" ac on 6" ab w/ wood headers)	2,500 SF	\$ 7.50	\$	18,750
Patching of Track Termination	1 ea	\$ 2,500.00	\$	2,500
New Ball Protection Fencing (West only)	100 LF	\$ 100.00	\$	10,000
Slope Protection and Rip-Rap	1 LS	\$ 7,500.00	\$	7,500
	subtotal		\$	38,750
4 Infrastructure and Utilities				
New Storm Drain	500 LF	\$ 25.00	\$	12,500
Power and Signal (design/build)	1 LS	\$ 15,000.00	\$	15,000
New Irrigation System from existing main	110,000 SF	\$ 0.75	\$	82,500
Repairs to existing irrigation system	1 LS	\$ 2,500.00	\$	2,500
	subtotal		\$	112,500

5 Natural Grass Sports Field				
Soil conditioners and amendments	120,000 SF	\$ 0.15	\$	18,000
Rototilling and cultivation	120,000 SF	\$ 0.05	\$	6,000
Fine Laser Grading and Consolidation	1 LS	\$ 7,500.00	\$	7,500
Bluegrass large roll sod installed	120,000 SF	\$ 0.75	\$	90,000
45 day maintenance period	1 LS	\$ 7,500.00	\$	7,500
	subtotal		\$	129,000
6 Sports Equipment and Fixtures				
New Scoreboard, Structure, Power and controls	1 ea	\$ 35,000.00	\$	35,000
New Soccer Goals	2 ea	\$ 3,500.00	\$	7,000
New Team benches and spectator Seating	1 LS	\$ 8,500.00	\$	8,500
Sound Systems, flagpoles, Field accesooes, etc.	NIC			
	subtotal		\$	50,500
Summaries				
Demolition and Mobilization		9.0% of Hard Costs	\$	39,500
Grading and Earthwork		15.8% of Hard Costs	\$	69,725
Sitework		8.8% of Hard Costs	\$	38,750
Infrastructure and Utilities		25.6% of Hard Costs	\$	112,500
Natural Grass Sports Field		29.3% of Hard Costs	\$	129,000
Sports Equipment and Fixtures		11.5% of Hard Costs	\$	50,500
	Baseline Construction Costs		\$	439,975
Project Costs				
General Conditions/General Requirements	6 %		\$	26,399
Bonds and Insurance	2 %		\$	8,800
Contractor Fee	%	included above	\$	-
Contingency (Design and Project)	15 %		\$	65,996
	subtotal		\$	101,194
	GRAND TOTAL BUDGET		\$	541,169



Tentative Project Schedule

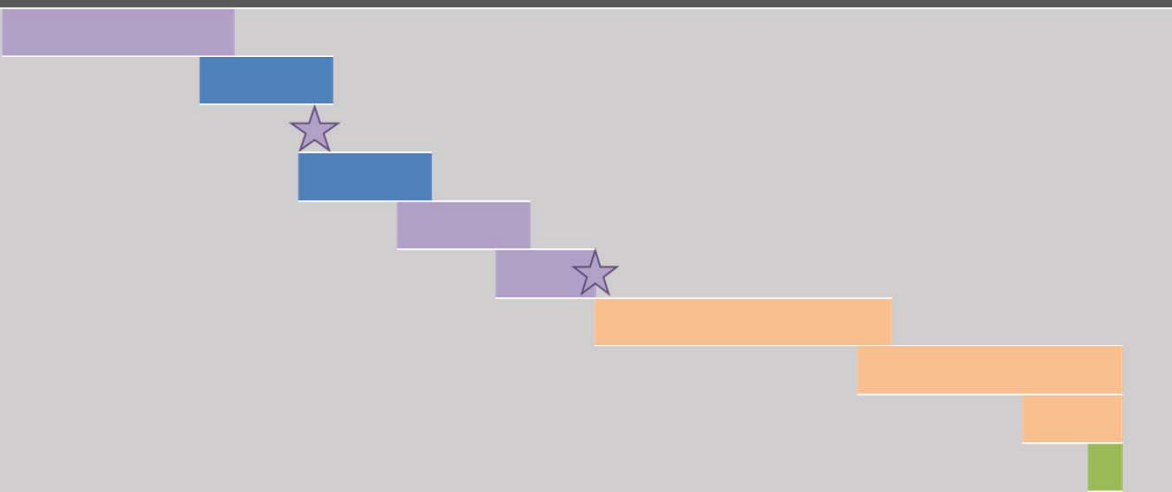
Lloyd Consulting Group

4/23/2018

Project Start:

Fe	March	April	May	June	July	August	September	October
26 5 12 19 26	2 9 16 23 30	7 14 21 28	4 11 18 25	2 9 16 23 30	6 13 20 27	3 10 17 24	1 8 15 22 29	
M M M M M	M M M M M	M M M M M	M M M M M	M M M M M	M M M M M	M M M M M	M M M M M	M M M M M

TASK	START	DURATION	END
Due Diligence and Data Collection	3/1/18	45	4/15/18
Concept Design and User Review	4/15/18	15	4/30/18
Board of Trustees Review and Approval	5/1/18	0	5/1/18
Construction Documents	5/2/18	19	5/21/18
Advertise, Bid, Award	5/23/18	22	6/14/18
Contracts and Mobilization	6/15/18	14	6/29/18
Construction	7/2/18	60	8/31/18
Sod Grow In and Establishment	9/1/18	44	10/15/18
Close-Out	10/1/18	14	10/15/18
Project Complete	10/15/18	0	10/15/18



- Owner Items
- Engineer Items
- Contractor Items

