

Four-Inch Football Field, Sand Cap Renovation & Grow-in

John Netwal

North Scott Community Schools

Old Field Prior to Renovation





Purpose of Renovation

Old Track Surfacing Removal



Actual Project Timeline

- November 4, 2008 Construction Began
- December 2, 2008 Construction Ceased due to Weather
- March 17, 2009 Construction Resumed
- April 24, 2009 Field was Seeded
- September 4, 2009 First Scheduled Game



New Track & End of Season

Turf Removal



Conveyer System



Temporary Bridging System



Top Soil Stripping



Transfer of Top Soil



Renovation Ends



Spring 2009



Transfer of the 85-15 Mix



Laser Grading of Rootzone



April 24, 2009



Construction Completed

April 24, 2009



Original Project Budget

■ Mobilization	\$ 4,779.50
■ Erosion Control	\$ 250.00
■ Concrete	\$ 4,121.00
■ Drainage	\$ 32,350.00
■ Landscaping	\$ 6,270.00
■ Field Grading/85-15 Mix	\$ 125,838.00
■ Irrigation	\$ 20,000.00
■ Staking	\$ 4,250.00
■ Contingency	\$ 20,000.00
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Total	\$ 217,858.00

“Fast Grass”

April 24, 2009





May 4, 2009

Ten Days After Seeding

MTD Nutrients .58 #'s N, .16 #'s P, .29 #'s K

YTD Nutrients 1.28 #'s N, 1.36 #'s P, .74 #'s K

May 11, 2009



Seventeen Days After Seeding

MTD Nutrients 1.13 #'s N, .16 #'s P, 1.40 #'s K

YTD Nutrients 1.83 #'s N, 1.36 #'s P, 1.85 #'s K

May 18, 2009

Twenty Four Days After Seeding

MTD Nutrients 2.98 #'s N, 1.46 #'s P, 2.87 #'s K

YTD Nutrients 3.68 #'s N, 2.66 #'s P, 3.32 #'s K


May 26, 2009



Thirty Two Days After Seeding

MTD Nutrients 4.35 #'s N, 2.29 #'s P, 3.86 #'s K

YTD Nutrients 5.05 #'s N, 3.49 #'s P, 4.31 #'s K



June 1, 2009

Thirty Eight Days After Seeding

Growth Regulator @ .75 oz. / m (Applied 6-4-09)

Fungicide @ .75 oz. / m (Applied 6-4-09)



June 8, 2009

Forty Six Days After Seeding

MTD Nutrients 1.37 #'s N, .82 #'s P, .99 #'s K

YTD Nutrients 6.42 #'s N, 4.31 #'s P, 5.30 #'s K

June 15, 2009

Fifty Three Days After Seeding

MTD Nutrients 2.12 #'s N, 1.03 #'s P, 1.37 #'s K

YTD Nutrients 7.18 #'s N, 4.52 #'s P, 5.68 #'s K





June 23, 2009

Sixty One Days After Seeding

Growth Regulator @ .75 oz. / m (Applied 6-24-09)

Fungicide @ .75 oz. / m (Applied 6-24-09)

Quinclorac 75 DF @ .375 oz. / m (Applied 6-29-09)



July 1, 2009

Seventy Days After Seeding

MTD Nutrients .76 #'s N, .21 #'s P, .38 #'s K

YTD Nutrients 7.93 #'s N, 4.73 #'s P, 6.06 #'s K

July 27, 2009



Ninety Seven Days After Seeding

Growth Regulator @ .75 oz. / m (Applied 7-16-09)

MTD Nutrients 2.19 #'s N, .42 #'s P, .98 #'s K

YTD Nutrients 9.37 #'s N, 4.94 #'s P, 6.66 #'s K

July 30, 2009

100 Days After Seeding





August 21, 2009

121 Days After Seeding

MTD Nutrients .61 #'s N, .61 #'s P, .61 #'s K

YTD Nutrients 9.98 #'s N, 5.55 #'s P, 7.27 #'s K

H O M E O F T H E
L A N C E R S

August 25, 2009

125 Days After Seeding



September 4, 2009

135 Days After Seeding



September 4, 2009



September 18, 2009

MTD Nutrients .72 #'s N, .20 #'s P, .36 #'s K

YTD Nutrients 11.38 #'s N, 5.75 #'s P, 7.85 #'s K



November 14, 2009

MTD Nutrients .68 #'s N, 0 #'s P, .22 #'s K

YTD Nutrients 13.42 #'s N, 5.75 #'s P, 8.51 #'s K

2009 Grow-in Cost

■ Mowing	\$ 986.00	■ Stadium Prep	\$ 355.00
■ Fertilizer	\$ 4,352.00	■ Lighting	\$ 374.00
■ Topdressing	\$ 2,614.00	■ Miscellaneous	\$ 350.00
■ Herbicides	\$ 230.00		
■ Growth Reg.	\$ 1,009.00		
■ Field Preps.	\$ 1,562.00		
■ Overseeding	\$ 1,244.00		
■ City Water	\$ 12,158.00		
■ Fungicides	\$ 763.00		
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		Total	\$ 27,027.00

December 29, 2011



Profile Close-up



2011 Football Action



2010 Maintenance Cost

■ Mowing	\$ 1,371.00	■ Stadium Prep	\$ 367.00
■ Fertilizer	\$ 1,506.00	■ Insecticides	\$ 114.00
■ Topdressing	\$ 5,756.00	■ Lighting	\$ 374.00
■ Herbicides	\$ 308.00	■ Miscellaneous	\$ 809.00
■ Growth Reg.	\$ 1,148.00		
■ Field Preps.	\$ 1,931.00		
■ Overseeding	\$ 1,005.00		
■ Well Expense	\$ 204.00		
■ Fungicides	\$ 1,459.00		
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		Total	\$ 16,498.00

2011 Maintenance Cost

■ Mowing	\$ 1,371.00	■ Stadium Prep	\$ 367.00
■ Fertilizer	\$ 1,691.00	■ Insecticides	\$ 91.00
■ Topdressing	\$ 6,844.00	■ Lighting	\$ 374.00
■ Herbicides	\$ 288.00	■ Miscellaneous	\$ 809.00
■ Growth Reg.	\$ 1,148.00		
■ Field Preps.	\$ 1,969.00		
■ Overseeding	\$ 1,237.00		
■ Well Expense	\$ 204.00		
■ Fungicides	\$ 1,459.00		
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		Total	\$ 17,848.00



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