

Hole by Hole Analysis

Coal Creek

GOLF COURSE

Louisville, CO

January 28, 2014

Prepared for:



City of
Louisville
Parks & Recreation

Prepared by:



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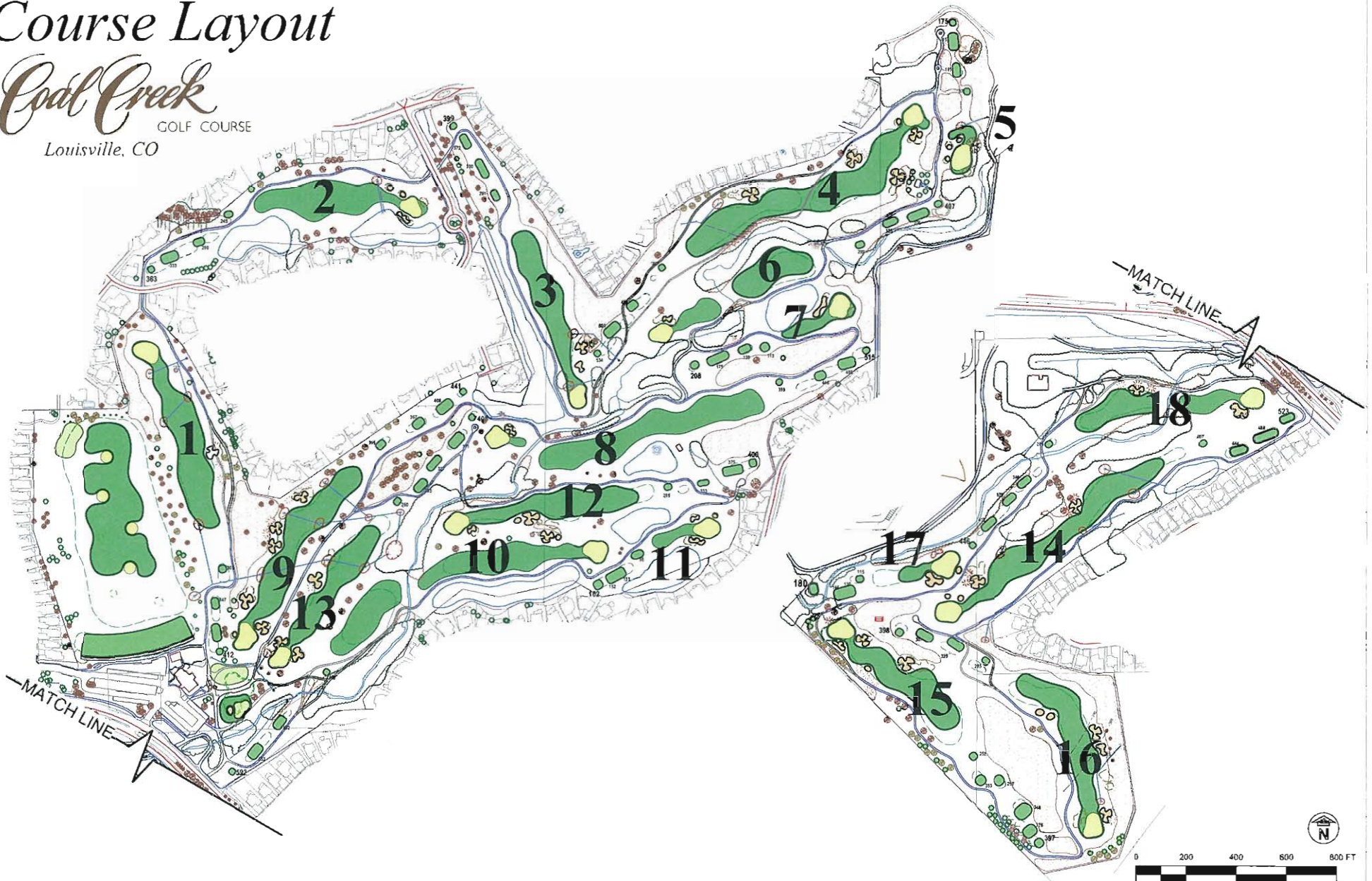
LANDSCAPES
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Course Layout

Coal Creek
GOLF COURSE

Louisville, CO



Hole by Hole Analysis

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Hole 1

Repair 6,000 sf green:
Strip sod, remove silt, remove
"collar dam", add greensmix,
regrade and regrass

Convert 32,000 sf of out-of-play
area to low-maintenance turf

Create collection areas to improve drainage -
connect to existing manhole left of the approach.
Use excess soil to construct mounds by bunker.
Catch Basins: 3 ea
Drain tile: 450 lf
Grading: 30 cy
Seed: 4,345 sf

Add 10 trees to buffer the range -
to be located in the field
- by owner

Create collection areas to improve drainage and
drain to collection area on hole 9. Use excess soil
to construct mounds by fairway bunker.
Catch Basins: 2 ea
Drain tile: 520 lf
Grading: 20 cy
Seed: 2,000 sf

Widen cart path at tee
Cart Path: 4' x 50'
Curbing: 70 lf

Repair/replace 18" drain inlet
and 300 lf of 4" pipe, drain to
new sump between 13 green
and chipping green

Reconstruct tees
Strip sod, relocate/reshape tee surface,
add rootzone mix and re-grass.
Back: 25' x 25'
Middle Back: 35' x 70'
Middle Forward: 35' x 45'
Forward: 30' x 30'
Sod: 1,595 sf
Seed: 14,600 sf

Widen cart path at green
Cart Path: 4' x 50'
Curbing: 70 lf

Remove spruce tree
- by owner

Unhealthy trees to be
removed by owner

Add mounding and relocate and reduce size
of bunker; shift cart path around bunker.
Bunker: 1,440 sf
Topsoil: 30 cy
Sod: 2,925 sf
Seed: 15,880 sf
External Drain tile: 200 lf
Cart Path: 440 lf

Add 3 trees to soften visual
impact of the cart path and
buffer adjacent residents
- by owner

Convert 49,425 sf of out-of-play
area to low-maintenance turf

KEY

Storm Damage Improvement

Golf Course Improvement
Recommendations

LEGEND

Disturbed areas to be seeded with rough/fairway mixture	Proposed catch basin
Disturbed areas to be seeded with bluegrass sod	Proposed gravel sump
Disturbed areas to be seeded with fescue sod	Proposed drain tile
Areas to convert to low-maintenance turf	Proposed trees
Silted areas to be repaired and seeded with rough/fairway mixture	Proposed cart path with curbing

Date: January 28, 2014

0 100 200 300 FT

Hole by Hole Analysis

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Hole 2

Reconstruct bunkers
Bunker A: 385 sf
Bunker B: 360 sf
Sod: 1,055 sf
Seed: 2,600 sf
Topsoil: 5 cy
External tile: 100 lf

Existing drain pipe is plugged by silt and needs to be replaced with new inlet and pipe.
Catch Basin: 1 ea
Drain tile: 125 lf
Topsoil: 10 cy
Seed: 1,500 sf

Add 2 trees left of hole along property line - by owner

Repair rough and pond bank damaged by flooding: Strip sod, remove silt, regrade for positive surface drainage, and regrass (~42,900 sf)

Construct new forward tee as mitigation for future flood events
Tee: 35' x 25'
Sod: 325 sf

Add tree - by owner

Widen cart path at tee
Cart Path: 4' x 50'
Curbing: 70 lf

Widen cart path at green
Cart Path: 4' x 50'
Curbing: 70 lf

Remove bunker, shave down greenside edge, add mound and expand 900 sf collar run-off and re-grass (2,520 sf)

Repair 4,300 sf green:
Strip sod, remove silt, add greensmix, regrade and regrass

Reconstruct bunker
Bunker: 830 sf
Sod: 1,720 sf
Topsoil: 10 cy
External tile: 20 lf

Reconstruct pond edge and sod bank down to water level.
Sod: 3,935 sf

Repair damaged riprap at pond edge

Reconstruct middle tee; split and elevate as mitigation for future flood events
Tee: 30' x 40'
Sod: 411 sf

Reconstruct tees
Strip sod, relocate/reshape tee surface, add rootzone mix and re-grass.
Back: 25' x 25'
Middle Back: 40' x 70'
Sod: 887 sf
Seed: 16,700 sf

KEY

Storm Damage Improvement

Golf Course Improvement Recommendations

LEGEND	

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0 100 200 300 FT



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Hole 3

Elevate, reduce size and reconstruct bunker to mitigate from future flood events.

Bunker: 1,460 sf
External tile: 50 lf
Topsoil: 20 cy
Sod: 1,050 sf
Fescue Sod: 475 sf

Rebuild bunker:

Remove contaminated sand, elevate greenside bunker, replace drainage, restore edges, add new sand and regrass surrounds.

Bunker: 845 sf
External tile: 50 lf
Topsoil: 15 cy
Sod: 1,040 sf
Seed: 13,370 sf

Add collection area to improve drainage.

Catch Basins: 1 ea
Drain tile: 100 lf
Sump: 1 ea

Widen cart path at green

Cart Path: 4' x 50'
Curbing: 70 lf

Repair 4,440 sf green:

Strip sod, remove silt, add greensmix, regrade and regrass

Convert 18,000 sf of out-of-play area to low-maintenance turf

Clean up stockpiles and convert 11,500 sf of out-of-play area to low-maintenance turf

Strip sod, level 600 sf tee and regrass

Strip sod, level 1,775 sf tee and regrass

Widen cart path at tee
Cart Path: 4' x 50'
Curbing: 70 lf

Strip sod, level 2,600 sf tee and regrass

Strip sod, level 1,125 sf tee and regrass

Regrade to direct drainage away from homesites - see engineer's plans

Add collection area to improve drainage.

Catch Basins: 1 ea
Drain tile: 225 lf
Sump: 1 ea

In conjunction with hole 4, convert 75,765 sf of out-of-play area to low-maintenance turf

Repair fairway/rough areas damaged by flooding: Strip sod, remove silt and debris, regrade for positive surface drainage, and regrass (12,000 sf)

Realign and elevate 230 lf of cart path to mitigate future flood damage

Selectively thin trees & remove dead & broken limbs - by owner

KEY

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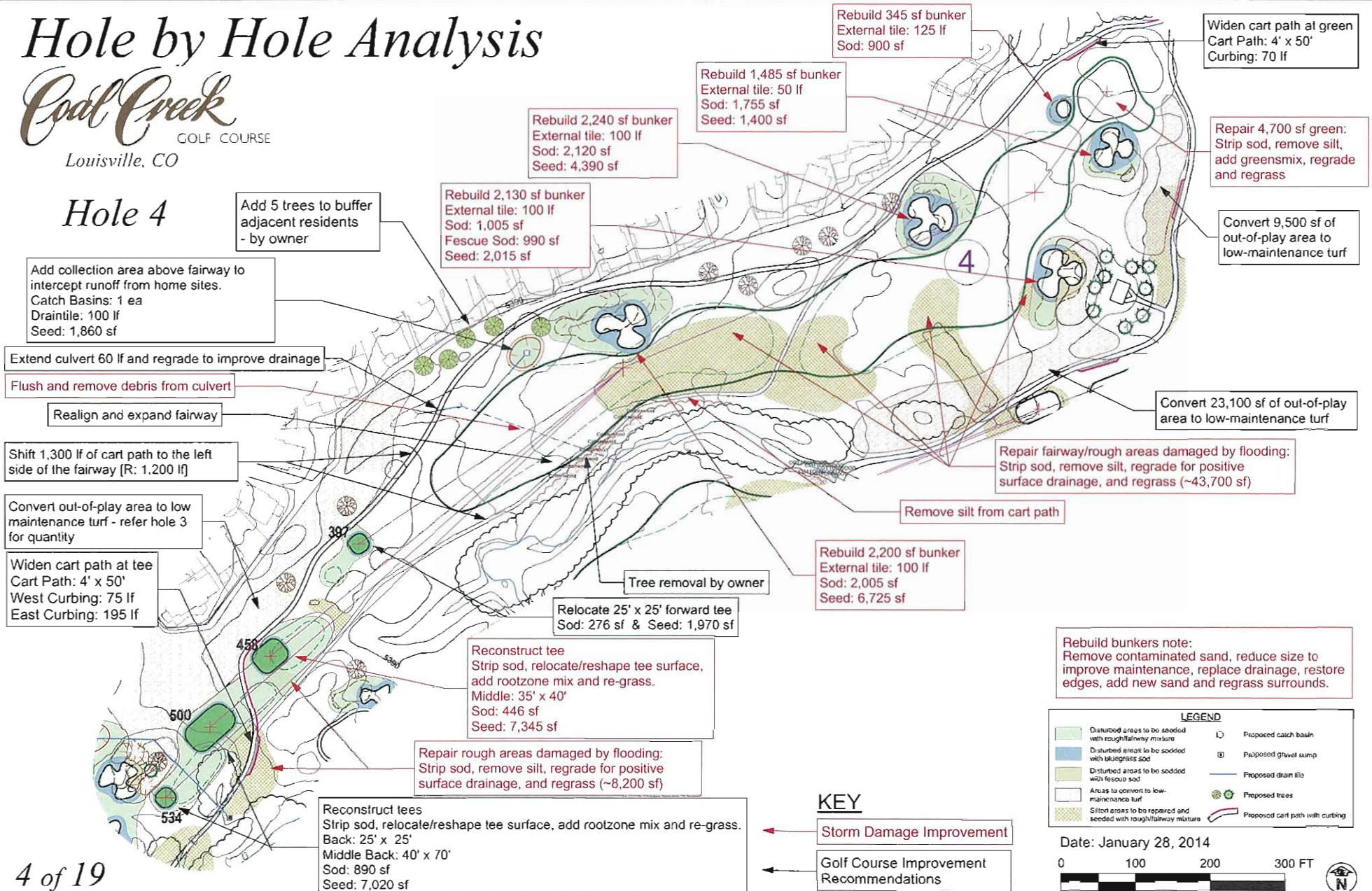
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Hole by Hole Analysis

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Hole 4

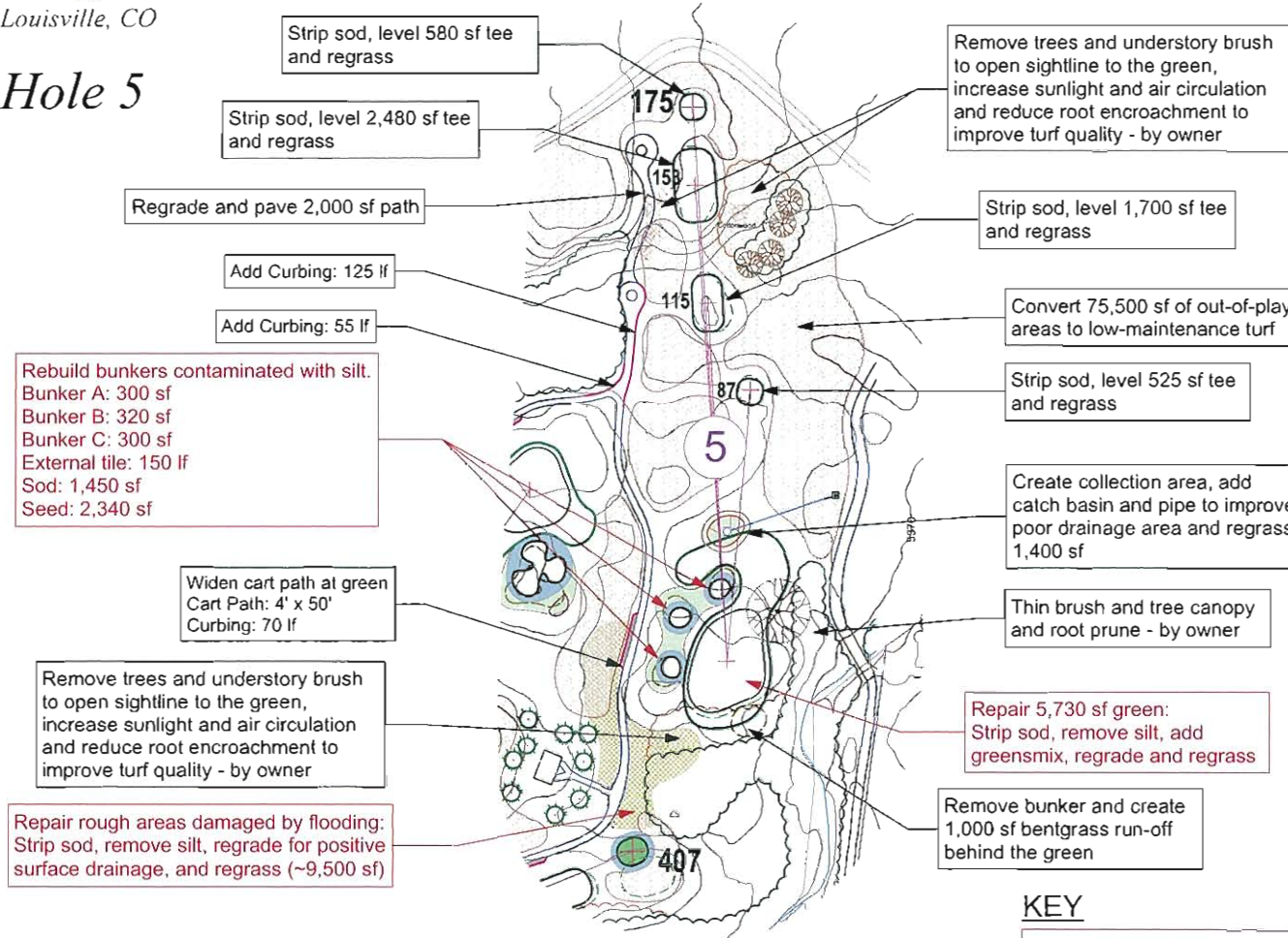


Hole by Hole Analysis

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Hole 5



KEY

- ← Storm Damage Improvement
- ← Golf Course Improvement Recommendations

LEGEND	
	Disturbed areas to be sodded with rough/fairway mixture
	Disturbed areas to be sodded with bluegrass sod
	Disturbed areas to be sodded with fescue sod
	Areas to convert to low-maintenance turf
	Silted areas to be repaired and sodded with rough/fairway mixture
	Proposed catch basin
	Proposed gravel dump
	Proposed drain tile
	Proposed trees
	Proposed cart path with curbing

Date: January 28, 2014

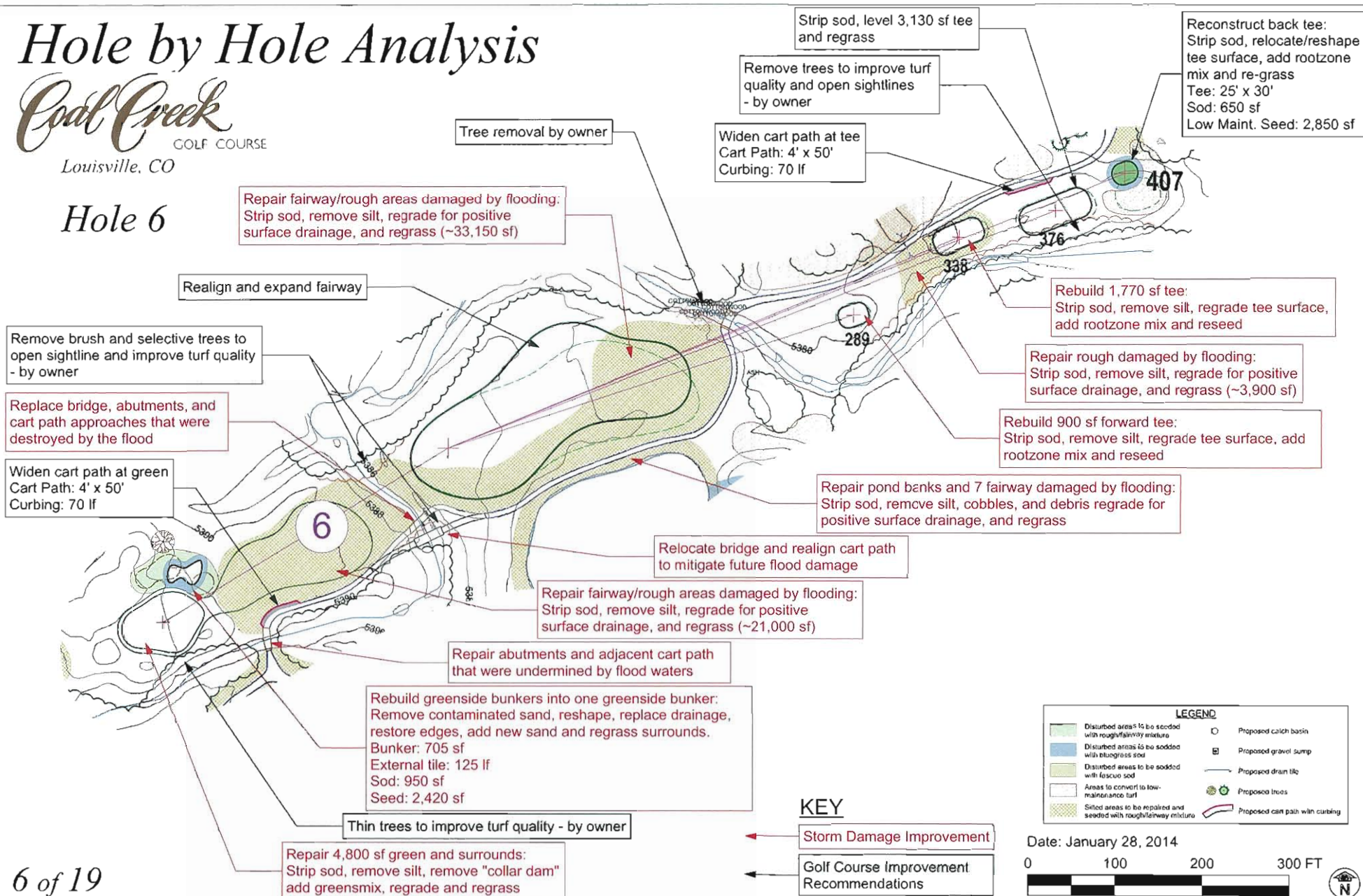


Hole by Hole Analysis

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Hole 6

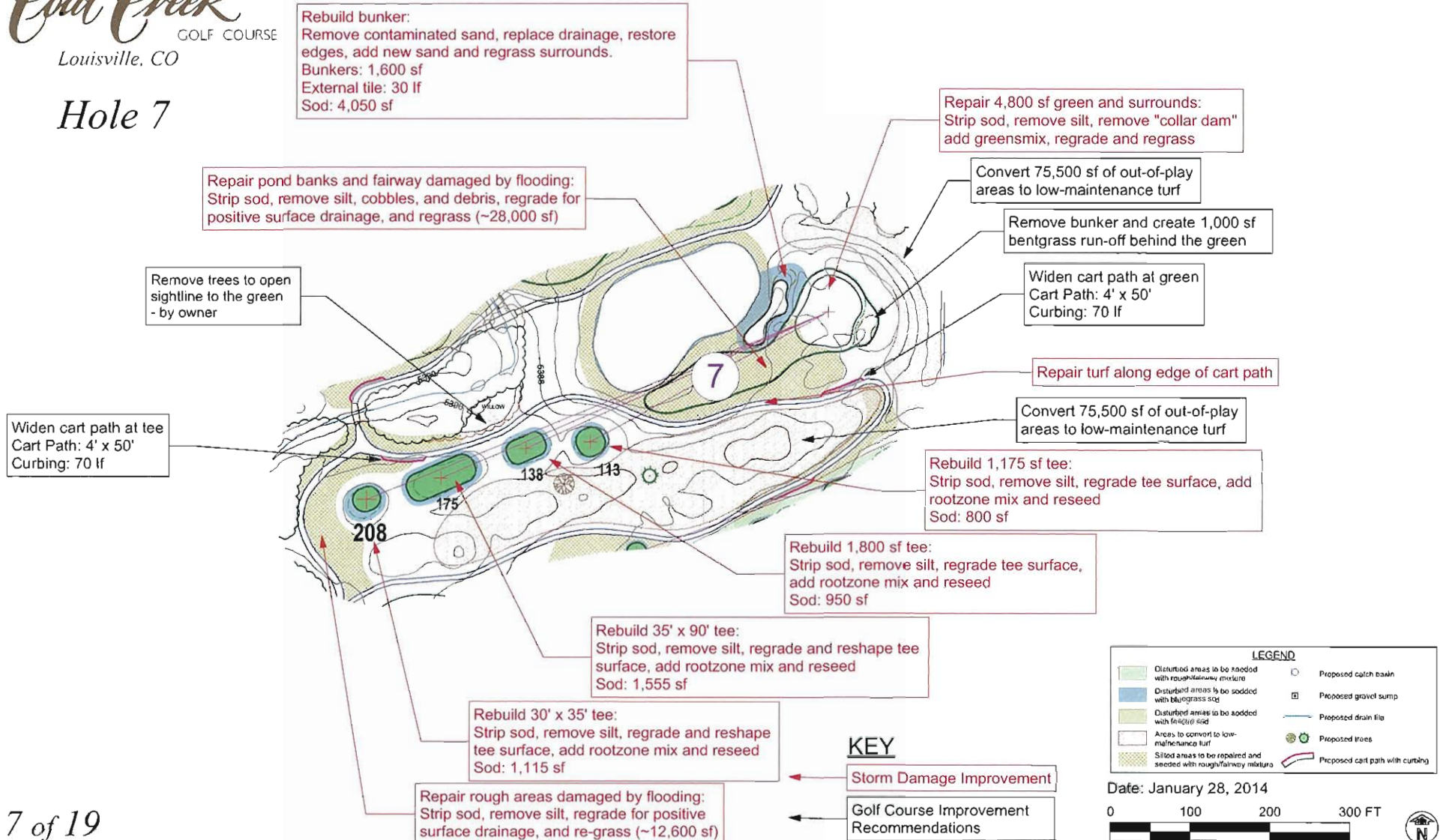


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Hole 7



Hole by Hole Analysis

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Hole 8

Widen cart path at green
Cart Path: 4' x 50'
Curbing: 70 lf

Remove weak
ash trees
- by owner

Repair pond bank

Repair fairway/rough areas damaged by flooding:
Strip sod, remove silt, regrade for positive
surface drainage, and regrass (~ 51,000 sf)

Repair fairway/rough areas damaged by flooding:
Strip sod, remove silt, regrade for positive
surface drainage, and regrass (~ 34,500 sf)

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Widen cart path at tee
Cart Path: 4' x 50'
Curbing: 70 lf

Convert 47,750 sf of
out-of-play area to
low-maintenance turf

Add new forward tee
Tee: 25' x 25'
Sod: 266 sf

Convert 52,450 sf of out-of-play
area to low-maintenance turf

Install fountain in pond to improve
visibility & water quality

Re-line irrigation pond (17,263 sf)

Selectively thin trees to improve sunlight and
improve sightline to the green - by owner

Repair fairway/rough areas damaged by flooding:
Strip sod, remove silt, regrade for positive
surface drainage, and regrass (~ 30,200 sf)

Rebuild bunker:
Remove contaminated sand, replace drainage,
restore edges, add new sand, and regrass surrounds
Bunker: 800 sf
External tile: 100 lf
Sod 1,485 sf

Remove trees to open sightline to the green - by owner

Repair 5,252 sf green and surrounds:
Strip sod, remove silt, remove "collar dam"
add greensmix, regrade and regrass

Reconstruct tees
Strip sod, relocate/reshape tee surface, add rootzone mix and re-grass.
Back: 25' x 30'
Middle Back: 40' x 70'
Middle Forward: 35' x 45'
Sod: 1,340 sf
Seed: 14,820 sf

KEY

Storm Damage Improvement

Golf Course Improvement
Recommendations

LEGEND	
	Disturbed areas to be seeded with rough/fairway mixture
	Disturbed areas to be seeded with bluegrass sod
	Disturbed areas to be seeded with fescue sod
	Areas to convert to low-maintenance turf
	Silted areas to be repaired and seeded with rough/fairway mixture
	Proposed catch basin
	Proposed gravel sump
	Proposed drain tile
	Proposed trees
	Proposed cart path with curbing

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0 100 200 300 FT



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Hole 9

Rebuild all tees:
Strip sod, remove silt, regrade and reshape
tee surface and align with the landing area,
add rootzone mix and re-grass.
Back: 25' x 25'
Middle Back: 40' x 70'
Middle Forward: 35' x 50'
Forward: 30' x 40'
Sod: 1,735 sf
Seed: 3,945 sf

Rebuild bunker:
Remove contaminated sand, reduce size,
replace drainage (including sumps), restore
edges, add new sand, and regrass surrounds
Bunker A: 1,355 sf
External tile: 100 lf
Topsoil: 30 cy
Sod: 1,340 sf
Seed: 10,430 sf

Relocate and elevate bunker(s)
to mitigate future flooding.
Bunker B: 1,450 sf
Bunker C: 1,525 sf
External tile: 200 lf
Topsoil: 20 cy
Sod: 2,505 sf
Fescue Sod: 1,140 sf
Seed: 4,985 sf

Convert 42,500 sf of out-of-play
area to low-maintenance turf

Add catch basin and drain tile to improve drainage
Catch Basins: 1 ea
Drain tile: 425 lf
Grading: 10 cy

Rebuild bunker:
Remove contaminated sand, replace
drainage (including sumps), restore edges,
add new sand, and regrass surrounds
Bunker D: 1,935 sf
External tile: 100 lf
Sod: 1,430 sf
Fescue Sod: 660 sf
Seed: 5,420 sf

Repair 6,275 sf green and surrounds:
Strip sod, remove silt, add greensmix,
regrade and regrass

Widen cart path at green
Cart Path: 4' x 50'
Curbing: 70 lf

Rebuild bunker:
Remove contaminated sand, replace drainage (including
sump), restore edges, add new sand, and regrass surrounds
Bunker F: 310 sf
External tile: 100 lf
Sod: 885 sf

Rebuild bunker:
Remove contaminated sand, replace drainage
(including sump), restore edges, add new sand,
and regrass surrounds
Bunker E: 1,635 sf
External tile: 50 lf
Sod: 2,140 sf

Add depressions, inlets and draitile to
improve drainage; use soil to build mounds
and elevate bunkers
Catch Basins: 3 ea
Drain tile: 575 lf
Grading: 30 cy
Seed: 2,000 sf

Add 3 trees along property line

Convert 45,500 sf of out-of-play
area to low-maintenance turf

Widen cart path at tee
Cart Path: 4' x 50'
Curbing: 70 lf

KEY

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Golf Course Improvement
Recommendations

LEGEND	

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0 100 200 300 FT

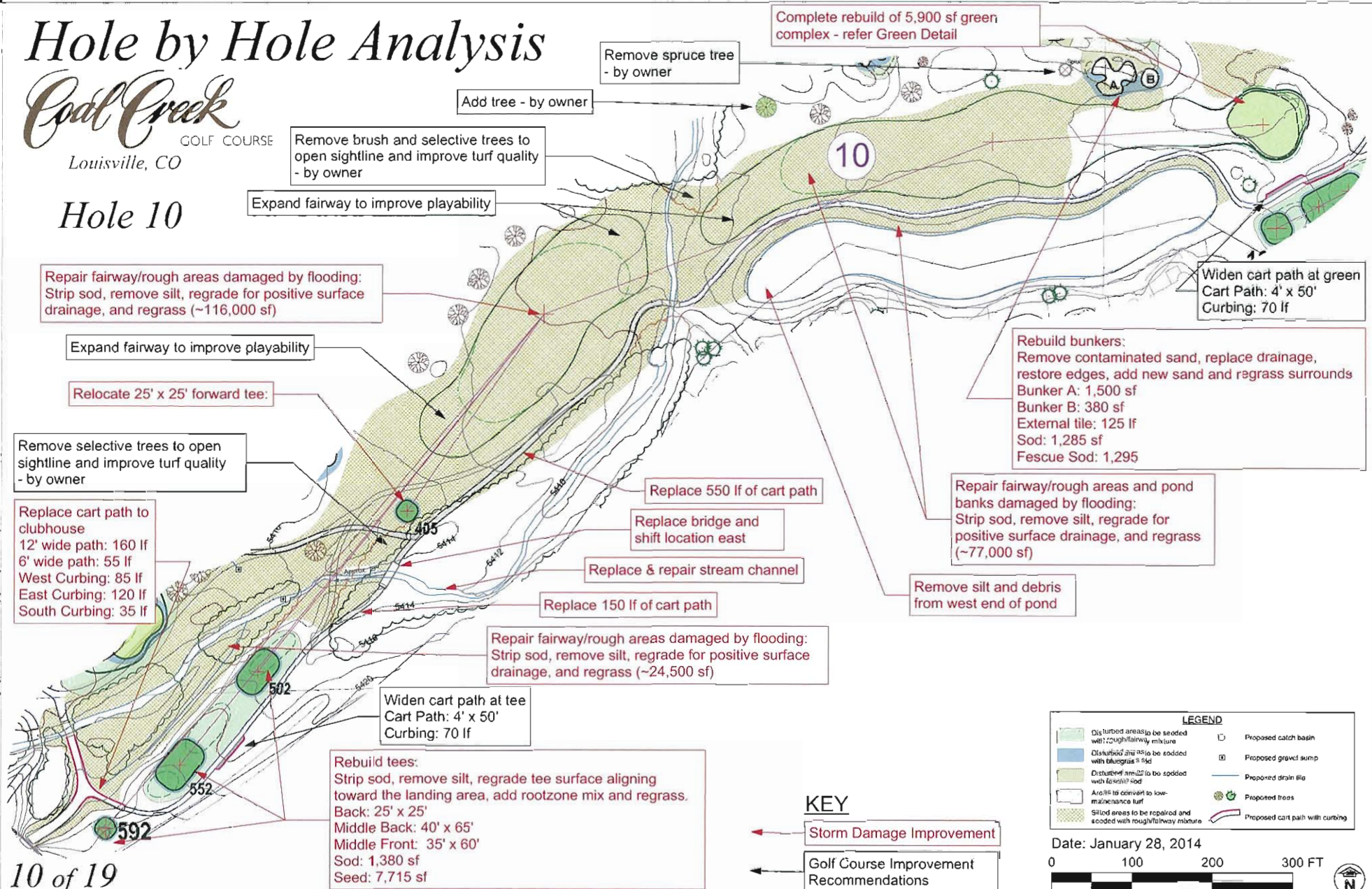


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Hole 10



Hole by Hole Analysis

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Hole 11

Widen cart path at green
Cart Path: 4' x 50'
Curbing: 70 lf

Rebuild bunker:
Remove contaminated sand, replace drainage,
restore edges, add new sand and regrass surrounds.
Bunker: 550 sf
External tile: 150 lf
Sod: 1,075 sf

Replace 18,660 sf pond liner

Widen cart path at tee
Cart Path: 4' x 50'
Curbing: 70 lf

Seed: 4,600 sf

Rebuild bunker:
Remove contaminated sand, replace drainage,
restore edges, add new sand and regrass surrounds.
Bunker: 300 sf
External tile: 50 lf
Sod: 535 sf

Repair 5,350 sf green and surrounds:
Strip sod, remove silt, add greensmix,
regrade and regrass

Rebuild bunker:
Remove contaminated sand, replace drainage,
restore edges, add new sand and regrass surrounds.
Bunker: 1,100 sf
External tile: 50 lf
Sod: 1,335 sf
Seed: 1,610 sf

Replace 29,990 sf pond liner

Repair fairway/rough and pond bank areas damaged by flooding:
Strip sod, remove silt, regrade for positive surface drainage, and
regrass (~ 21,000 sf)

Strip sod, remove silt, level tee
and regrass
Tee: 50' x 30'
Sod: 287 sf

Strip sod, remove silt, reshape
and level tee and regrass
Tee: 40' x 80'
Sod: 455 sf

Strip sod, remove silt, reshape and
level back tee and regrass
Tee: 35' x 35'
Sod: 385

KEY

Storm Damage Improvement

Golf Course Improvement
Recommendations

LEGEND	

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0 100 150 200 FT



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Hole 12

Repair fairway/rough areas damaged by flooding:
Strip sod, remove silt, regrade for positive surface
drainage, and regrass (~ 29,000 sf)

Realign cart path and
widen at the green.
Cart Path: 4' x 30'
South Curbing: 75 lf
North Curbing: 65 lf

Relocate and mitigate
forward tee to improve
playability
Tee: 25' x 30'
Sod: 306 sf

Strip sod, level 960 sf tee
and regrass

Convert 52,450 sf of out-of-play
area to low-maintenance turf in
conjunction with hole 8

Reconstruct tees:
Strip sod, reshape tee
surface, add rootzone
mix and re-grass.
Back: 30' x 30'
Middle Back: 35' x 80'
Sod: 1,000 sf
Seed: 3,655 sf

Shorten fairway to
reduce maintenance

Repair fairway/rough and pond bank areas damaged by flooding:
Strip sod, remove silt, regrade for positive surface drainage, and
regrass (~ 43,450 sf in conjunction with hole 11)

Rebuild and shift bunkers:
Remove contaminated sand, replace drainage,
restore edges, add new sand and regrass surrounds.
Bunker A: 2,065 sf
Bunker B: 460 sf
External tile: 200 lf
Sod: 1,865 sf
Fescue Sod: 1,320 sf
Seed: 3,000 sf
Low Maintenance turf: 2,000 sf

Expand fairway cut

Rebuild bunker:
Remove contaminated sand, replace drainage,
restore edges (lower to improve visibility), add
new sand and regrass surrounds.
Bunker C: 640 sf
External tile: 100 lf
Sod: 955 sf
Seed: 720 sf

Repair 5,350 sf green and surrounds:
Strip sod, remove silt, remove "collar dam"
add greensmix, regrade and regrass

KEY

Storm Damage Improvement

Golf Course Improvement
Recommendations

LEGEND

Disturbed areas to be seeded with rough/fairway mixture	Proposed catch basin
Disturbed areas to be seeded with bluegrass sod	Proposed gravel sump
Disturbed areas to be seeded with fescue sod	Proposed drain tile
Areas to convert to low-maintenance turf	Proposed trees
Silted areas to be repaired and seeded with rough/fairway mixture	Proposed cart path with curbing

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0 100 200 300 FT



Hole by Hole Analysis

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Hole 13

Reconstruct and elevate tees
Strip sod, elevate and reshape tee surface, add rootzone mix and re-grass.
Back Tee: 25' x 25'
Middle Back Tee: 40' x 70'
Sod: 885 sf
Seed: 1,890 sf

Strip sod, level 2,215 sf tee and regrass

Strip sod, level 2,040 sf tee and regrass

Convert 45,500 sf of out-of-play area to low-maintenance turf

Construct new forward tee
Tee: 25' x 30'
Sod: 305 sf

Relocate and elevate bunker to mitigate future flooding:
Remove contaminated sand, replace drainage (including "exit" drains and sumps, restore edges, add new sand and regrass surrounds.

Bunker C: 2,070 sf
External tile: 100 lf
Sod: 2,065 sf
Seed: 9,770
Topsoil: 20 cy

Rebuild bunker:
Remove contaminated sand, replace drainage (including "exit" drains and sumps, restore edges, add new sand and regrass surrounds.

Bunker A: 1,500 sf
External tile: 100 lf
Sod: 1,710 sf
Seed: 2,675
1 catch basin with 200 lf

Widen cart path at the green
Cart Path: 4' x 50'
Curbing: 70 lf

Repair 4,455 sf green:
Strip sod, remove silt, remove "collar dam" add greensmix, regrade and regrass

Rebuild bunker:
Remove contaminated sand, replace drainage (including "exit" drains and sumps, restore edges, add new sand and regrass surrounds.

Bunker B: 1,665 sf
External tile: 50 lf
Sod: 2,145 sf

Repair areas damaged by flooding:
Strip sod, remove silt, regrade for positive surface drainage, and regrass (~ 47,000 sf)

Repair areas damaged by flooding:
Strip sod, remove silt, regrade for positive surface drainage, and regrass (~ 2,000 sf)

Widen cart path at tee
Cart Path: 4' x 50'
Curbing: 70 lf

Create collection areas, add catch basins and pipe to improve poor drainage area.
Use soil to elevate tees.
Catch Basins: 2 ea
Drain tile: 430 lf
Sump: 1 ea
Seed: 2,000 sf

Remove trees as necessary by owner and create a collection basin for subsurface drainage from the range, hole 1, and hole 9. Use soil to elevate tees.
Seed: 5,000 sf

Create collection area, add catch basin and pipe to improve poor drainage area.
Use soil to elevate tees.
Catch Basins: 1 ea
Drain tile: 250 sf
Sump: 1 ea
Seed: 2,300 sf

KEY

Storm Damage Improvement

Golf Course Improvement Recommendations

LEGEND	

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0 100 200 300 FT



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Hole 14

Add fairway bunker with mounds to define the landing area.
Bunker A: 1,440 sf
External tile: 150 lf
Topsoil: 10 cy
Sod: 960 sf
Fescue Sod: 1,205 sf
Seed: 2,040 sf

Remove selective trees, including cottonwood, to improve safety and sightline to the landing area - by owner

Add catch basin with draintile to improve drainage.
Catch Basin: 1 ea
Draintile: 100 lf
Sod: 2,000 sf

Repair 6,231 sf green:
Strip sod, remove silt, add greensmix, regrade and regrass

Rebuild greenside bunkers:
Remove contaminated sand, replace drainage, restore edges, add new sand and regrass surrounds.
Bunker C: 330 sf
Bunker D: 420 sf
External tile: 200 lf
Sod: 1,055 sf
Seed: 1,840 sf

Widen cart path at green
Cart Path: 4' x 50'
Curbing: 70 lf

Repair areas damaged by flooding:
Strip sod, remove silt, regrade for positive surface drainage, and regrass (~ 5,000 sf)

Widen fairway to define the landing area

Shorten fairway to reduce maintenance

Rebuild 3,400 sf tee:
Strip sod, remove silt, regrade tee surface, add rootzone mix and reseed

Rebuild 3,400 sf tee:
Strip sod, remove silt, regrade tee surface, add rootzone mix and reseed

Rebuild 1,985 sf tee:
Strip sod, remove silt, regrade tee surface, add rootzone mix and reseed

Replace cart path to tunnel

Widen cart path at tees
Cart Path: 4' x 50'
Curbing: 70 lf

Construct new forward tee
Tee: 25' x 30'
Sod: 295 sf

Repair leaking overflow pipe

Re-line pond (15,710 sf) and repair overflow structure

Add catch basins with draintile to improve drainage.
Catch Basin: 2 ea
Draintile: 350 lf
Seed: 4,500 sf

Repair areas damaged by flooding:
Strip sod, remove silt, regrade for positive surface drainage, and regrass (~ 73,600 sf)

Add catch basin with draintile to improve drainage.
Catch Basin: 1 ea
Draintile: 175 lf
Seed: 850 sf

Rebuild bunker:
Remove contaminated sand, reduce size to improve maintenance, and shift closer to the fairway, replace drainage, restore edges, add new sand and regrass surrounds.
Bunker B: 1,900 sf
External tile: 125 lf
Sod: 1,775 sf
Seed: 6,320 sf

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Hole 15

Fill in out of play fairway bunkers and add collection area in swale
Catch basin: 1 ea
Drain tile: 250 lf
Topsoil: 30 cy
Seed: 9,860 sf

Widen cart path at green
Cart Path: 4' x 50'
Curbing: 70 lf

Fill in right greenside bunker to improve access to the green and expand run-off collar.
Seed: 5,000 sf
Topsoil: 15 cy

Add 10 tree plantings to screen buildings in the distance - by owner

Rebuild 5,247 sf green to match other greens

Construct fairway bunkers.
Bunker A: 705 sf
Bunker B: 660 sf
External Drain tile: 100 lf
Sod: 2,430 sf

Add tree to the inside of the dogleg

Reconstruct and shift tee left
Tee: 25' x 30'
Sod: 3,910 sf
Seed: 5,660 sf

Reconstruct and shift tee left
Tee: 35' x 60'
Sod: 580 sf
Seed: 3,910 sf

Strip sod, level, align tee and regrass
Tee: 35' x 70'
Sod: 580 sf

Reconstruct and shift tee left
Tee: 30' x 30'
Sod: 325 sf
Seed: 1,625 sf

Construct restroom & storm shelter

Expand low maintenance areas

Add 390 lf of curbing to both sides of the path and turn-around

Widen cart path at green
Cart Path: 4' x 50'

Add collection area to improve drainage:
Catch Basin: 1 ea
Drain tile: 200 lf

Expand low maintenance areas

Shift 570 lf of cart path to the left side of the tees with 75 lf of curbing to the inside of the path

Regrade along property line to direct drainage away from homesites - see engineer's plans

Realign fairway

Construct fairway bunkers to define the landing area.
Bunker C: 1,100 sf
Bunker D: 1,720 sf
External Drain tile: 150 lf
Sod: 1,990 sf
Fescue Sod: 2,490 sf

Relocate greenside bunker to the left side.
Bunker: 1,645 sf
External Drain tile: 25 lf
Sod: 1,790 sf
Seed: 1,435 sf

KEY

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0 100 200 300 FT

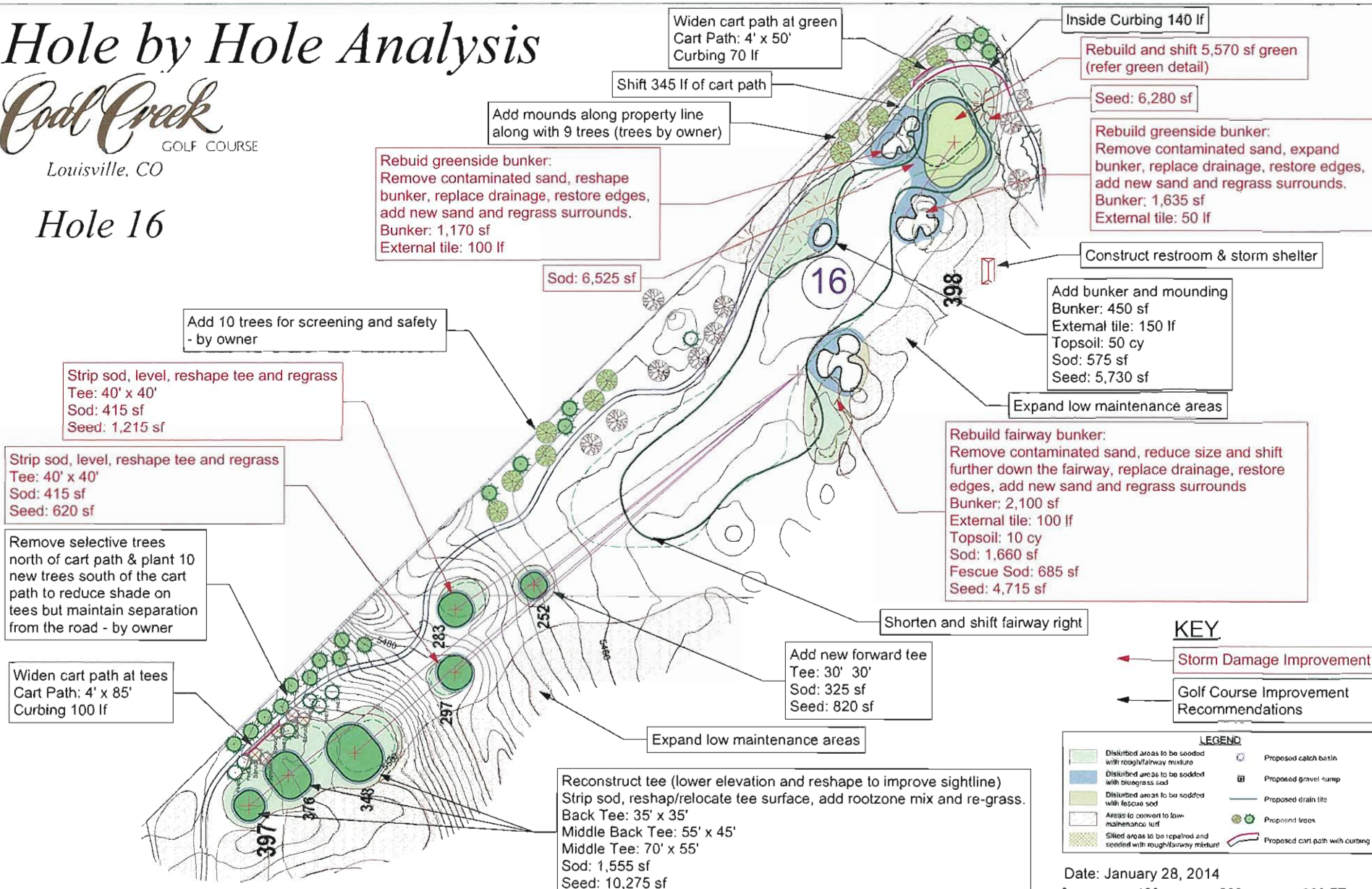


Hole by Hole Analysis

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Hole 16



KEY

- Storm Damage Improvement
- Golf Course Improvement Recommendations

LEGEND

- Disturbed areas to be seeded with rough/fairway mixture
- Disturbed areas to be seeded with bluegrass sod
- Disturbed areas to be seeded with fescue sod
- Areas to convert to low-maintenance turf
- Sloped areas to be repaired and seeded with rough/fairway mixture
- Proposed catch basin
- Proposed gravel ramp
- Proposed drain tile
- Proposed trees
- Proposed cart path with curbing

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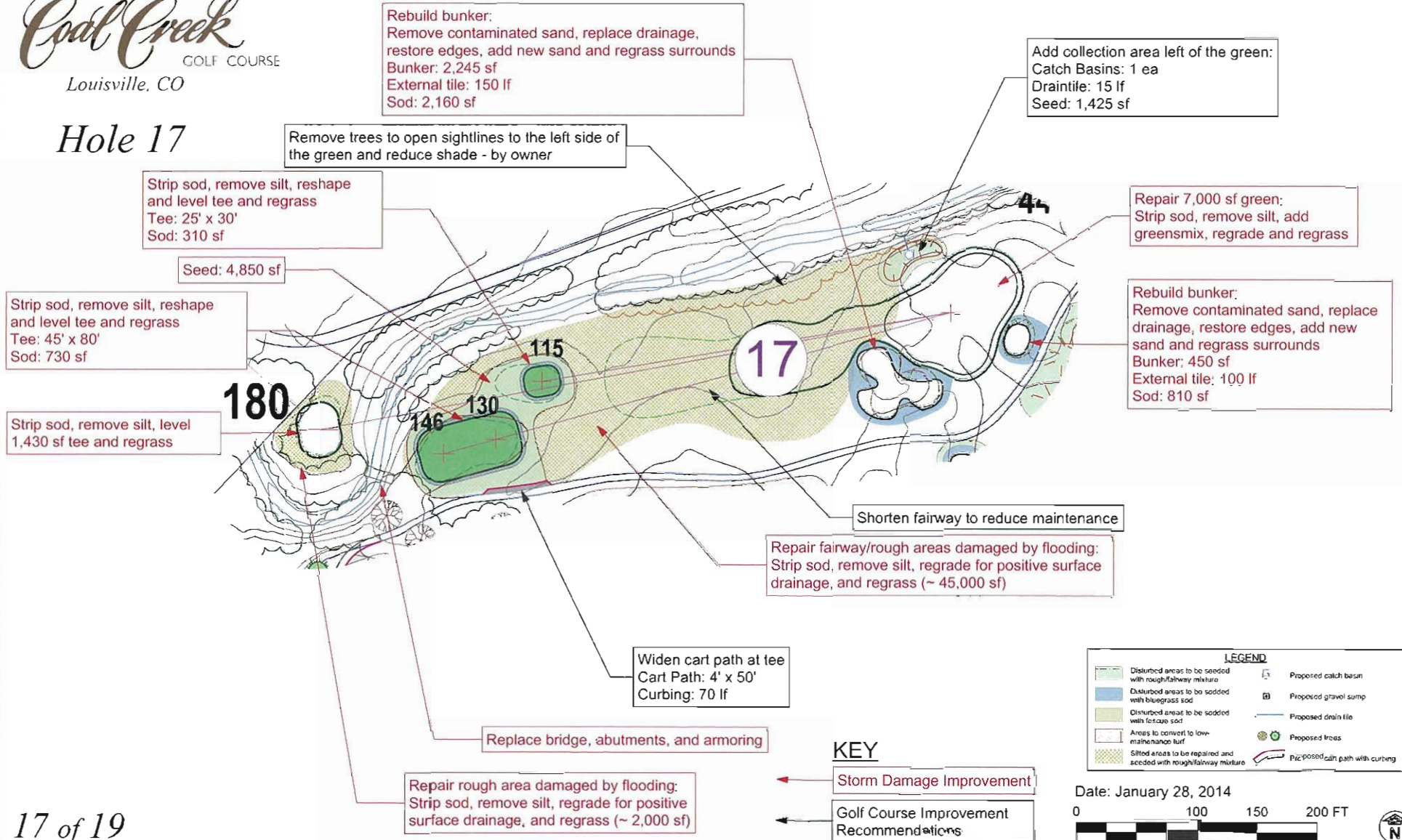
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Hole by Hole Analysis

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GOLF COURSE
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Hole 17



Date: January 28, 2014

0 100 150 200 FT



Hole by Hole Analysis

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Hole 18

Add fairway bunker and mounds to define the landing area
Bunker: 1,280 sf
External tile: 150 lf
Sod: 1,620 sf
Seed: 7,300 sf
Topsoil: 30 cy

Repair rough area damaged by flooding:
Strip sod, remove silt, regrade for positive surface drainage, and regrass (~ 31,000 sf)

Reconstruct tee
Strip sod, remove silt, reshape tee surface, add rootzone mix and re-grass.
Middle: 30' x 40'
Sod: 920 sf
Seed: 705

Repair bridge approaches

Repair rough area damaged by flooding:
Strip sod, remove silt, regrade for positive surface drainage, and regrass (~ 17,700 sf)

Remove trees to improve sightline to landing area
- by owner

Widen cart path at tee
Cart Path: 4' x 50'
Curbing: 70 lf

Repair fairway/rough area damaged by flooding:
Remove silt, regrade for positive surface drainage, and regrass (~ 30,200 sf)

Remove selective trees to improve sightline to the green
- by owner

Repair bridge approaches

Widen cart path at green
Cart Path: 4' x 50'
Curbing: 70 lf

Repair booster pump. Mitigate by elevating in existing location or relocating it outside of floodway

Repair 5,272 sf green:
Strip sod, remove silt, add greensmix, regrade and regrass

Root prune trees
- by owner

Rebuild greenside bunker:
Remove contaminated sand, replace drainage, reshape, add new sand and regrass surrounds.
Bunker: 2,135 sf
External tile: 50 lf
Sod: 2,515 sf

Remove selective trees to improve sightline to the green
- by owner

Realign 625 lf of cart path and widen fairway to improve the landing area

Repair fairway/rough area damaged by flooding:
Strip sod, remove silt, regrade for positive surface drainage, and regrass (~ 7,200 sf)

Remove silt and investigate cart path for potential damage

Reconstruct tees:
Strip sod, remove sit, relocate tee surface, add rootzone mix and re-grass.
Back Tee: 25' x 25'
Back Middle Tee: 30' x 70'
Middle Tee: 30' x 60'
Middle Forward Tee: 30' x 60'
Sod: 1,824 sf
Seed: 13,920 sf

KEY

Storm Damage Improvement

Golf Course Improvement Recommendations

LEGEND	

Date: January 28, 2014

0 100 200 300 FT



Hole by Hole Analysis

Coal Creek
GOLF COURSE
Louisville, CO

Range & PG

Add 5 trees to the back end of the range to protect adjacent residence - by owner

Construct 10,000 sf nursery green

Improve irrigation coverage and reduce fairway cut to minimize and define landing areas

Grade, expand, and curve tee, place 4" of salvaged rootzone mix, laser level, and regrass
Seeded tee surface: 38,775 sf
Topsoil: 1,100 cy
Rootzone mix: 480 cy
Irrigation: approx. 14 heads
Sod: 3,125 sf
Seed: 17,920 sf

Remove practice green to reduce safety issue

Add 10' x 465' concrete tee line with synthetic mats - mats by owner

Realign cart staging area to accommodate putting green expansion (1,100 sf of path and 70 lf of curbing)

Rebuild putting green and surrounds
Green: 10,000 sf
External drain tile: 300 lf
Sod: 2,505 sf
Seed: 6,255 sf

Relocate starter's building

Reroute 6,935 sf of cart path with 600 lf of curbing

Construct new chipping green and practice bunker to replace one on the range
Green: 3,000 sf
Bunker: 650 sf
Expanded collar/fairway: 6,640 sf
External tile: 200 lf
Sod: 2,210 sf
Seed: 13,000 sf

Realign target fairway add new target greens

Widen cart path at tee
Cart Path: 10' x 35'
Curbing: 55'

Remove timber retaining walls, regrade berms and regrass (1,300 sf)



KEY

- Storm Damage Improvement
- Golf Course Improvement Recommendations

LEGEND	
 Disturbed areas to be seeded with rough/fairway mixture	 Proposed catch basin
 Disturbed areas to be sodded with bluegrass sod	 Proposed gravel sump
 Disturbed areas to be sodded with fescue sod	 Proposed drain tile
 Areas to convert to low-maintenance turf	● Proposed trees
 Silted areas to be repaired and sodded with rough/fairway mixture	→ Proposed cart path with curbing

Date: January 28, 2014

0 100 200 300 FT

