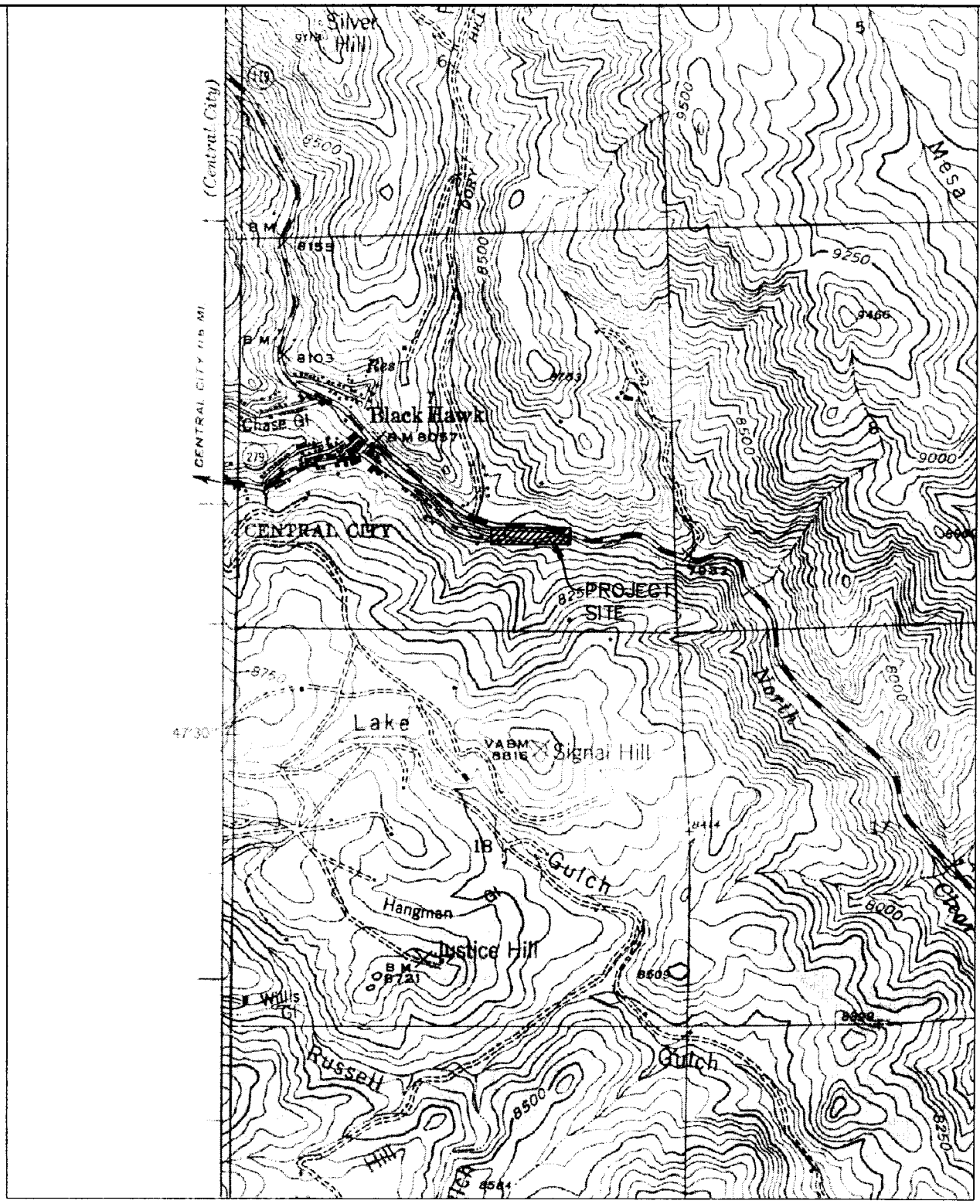
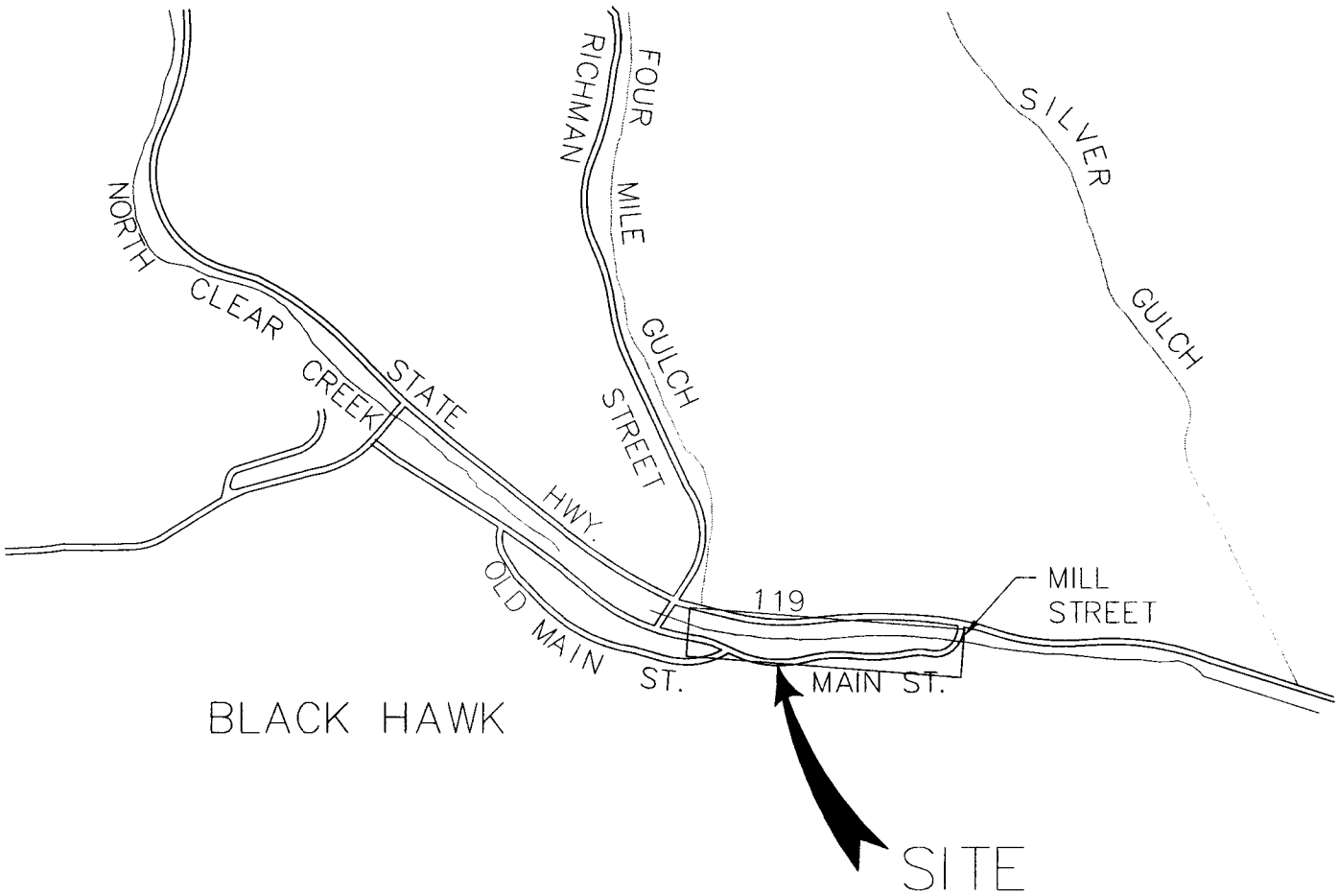


SOURCE: USGS QUADRANGLE
BLACK HAWK, COLORADO
SCALE: 1"=2000'

Drexel, Barrell & Co.
Engineers • Surveyors

NORTH CLEAR CREEK IMPROVEMENTS
GILPIN COUNTY, COLORADO
CORPS CASE NO. 200080269
FEBRUARY 2003

Figure 1
Corps File 200280882
City of Black Hawk, etc.
North Clear Creek Flood Protection



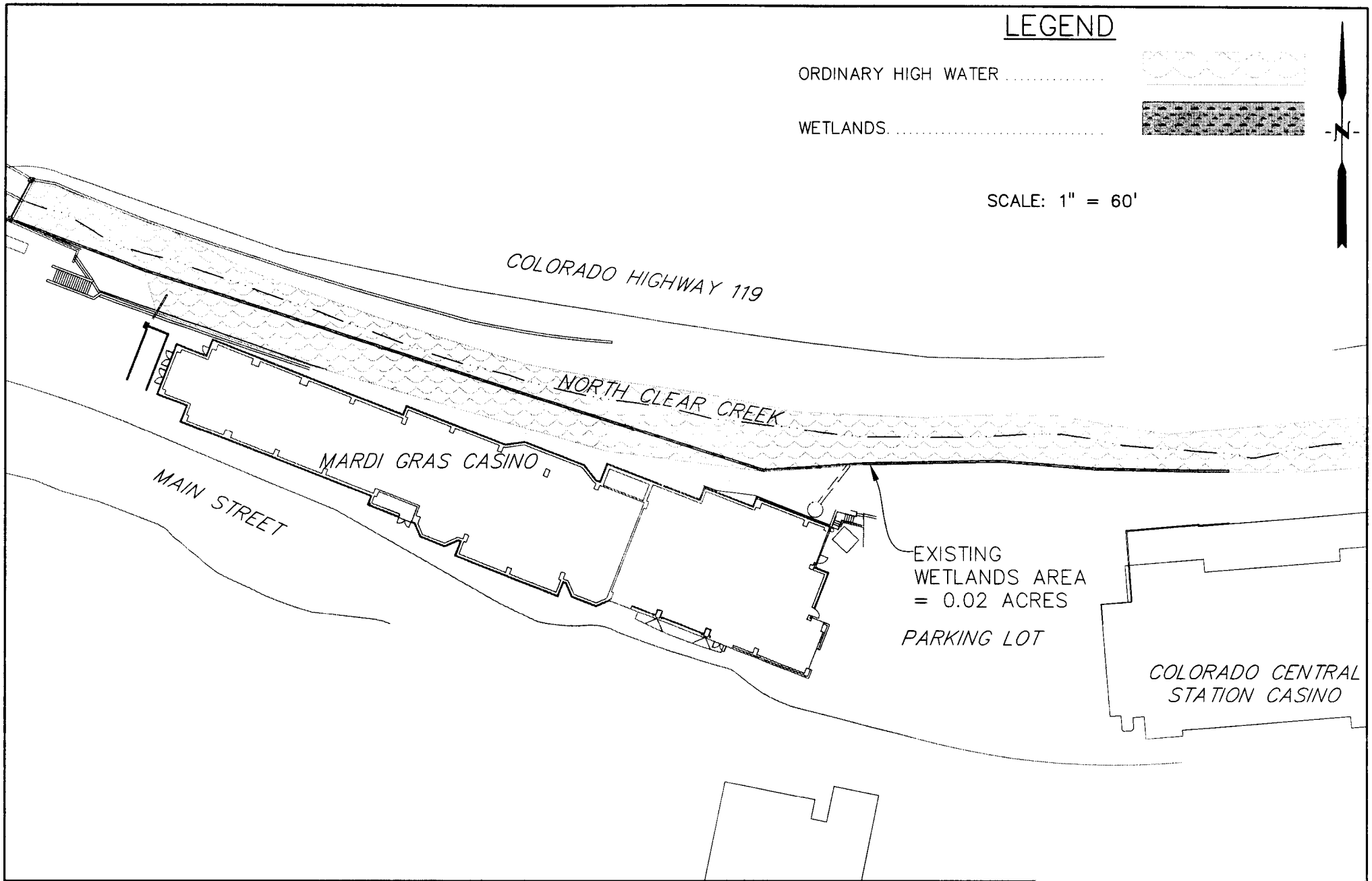
VICINITY MAP

N.T.S.

Drexel, Barrell & Co.
Engineers • Surveyors

NORTH CLEAR CREEK IMPROVEMENTS
GILPIN COUNTY, COLORADO
CORPS CASE NO. 200080269
FEBRUARY 2003

Figure 2
Corps File 200280882
City of Black Hawk, etc.
North Clear Creek Flood Protection

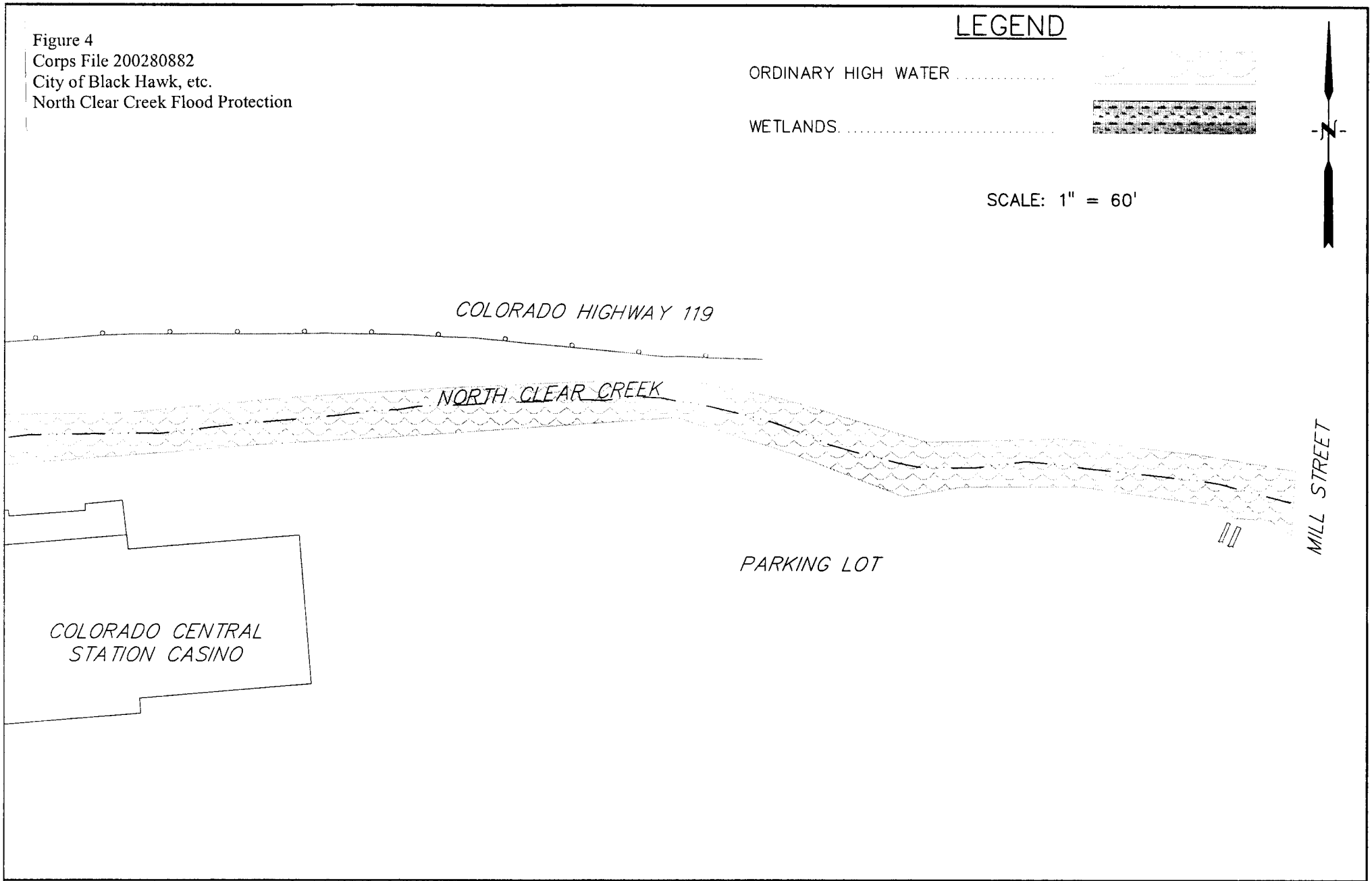


Drexel, Barrell & Co.
Engineers • Surveyors

NORTH CLEAR CREEK IMPROVEMENTS
GILPIN COUNTY, COLORADO
CORPS CASE NO. 200080269
FEBRUARY 2003

Figure 3
Corps File 200280882
City of Black Hawk, etc.
North Clear Creek Flood Protection

Figure 4
Corps File 200280882
City of Black Hawk, etc.
North Clear Creek Flood Protection



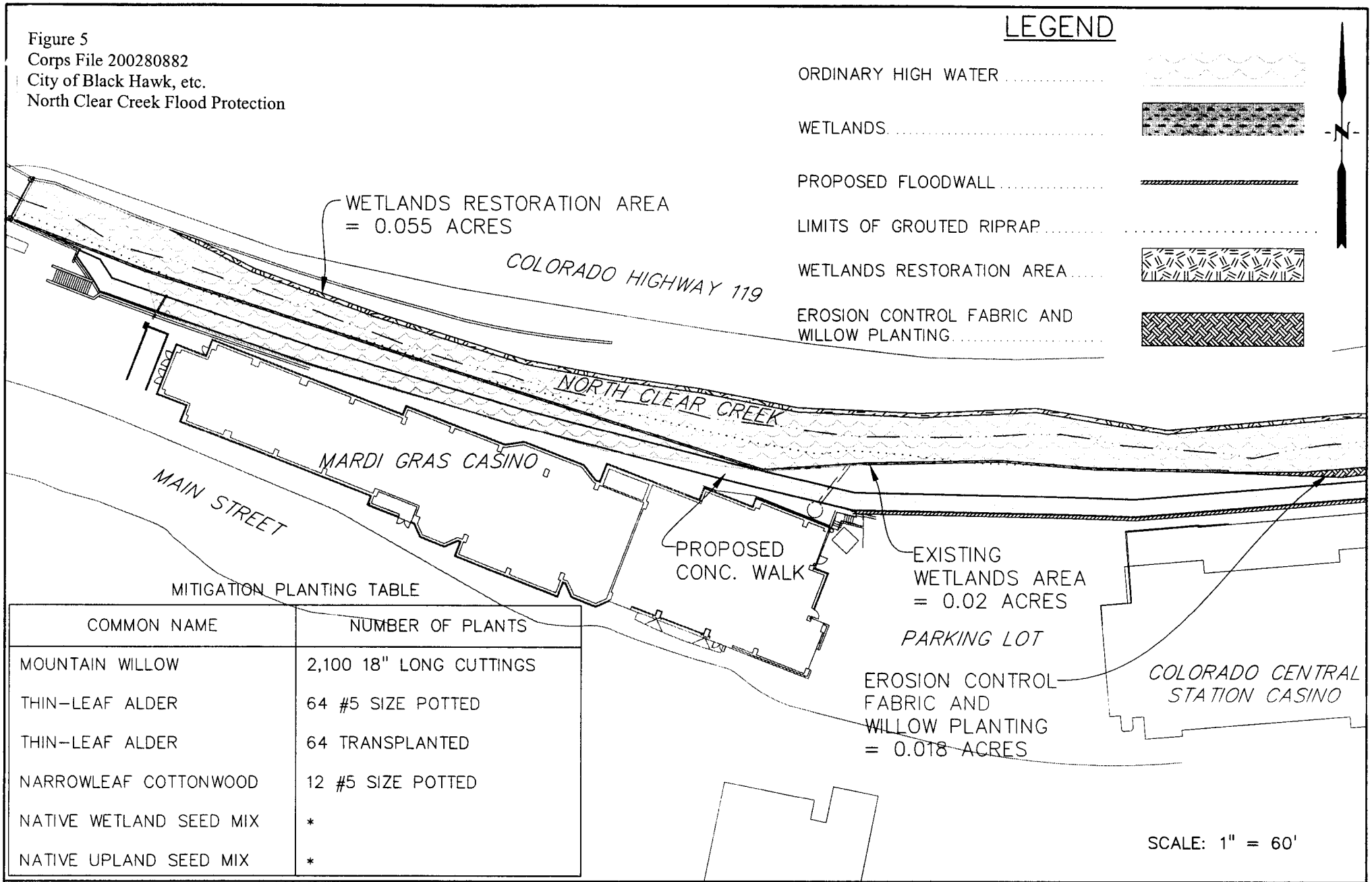
Drexel, Barrell & Co.
Engineers • Surveyors

NORTH CLEAR CREEK IMPROVEMENTS
GILPIN COUNTY, COLORADO
CORPS CASE NO. 200080269
FEBRUARY 2003

FIGURE 4
WETLANDS
DELINEATION

SHEET 4 OF 9

Figure 5
Corps File 200280882
City of Black Hawk, etc.
North Clear Creek Flood Protection



MITIGATION PLANTING TABLE

COMMON NAME	NUMBER OF PLANTS
MOUNTAIN WILLOW	2,100 18" LONG CUTTINGS
THIN-LEAF ALDER	64 #5 SIZE POTTED
THIN-LEAF ALDER	64 TRANSPLANTED
NARROWLEAF COTTONWOOD	12 #5 SIZE POTTED
NATIVE WETLAND SEED MIX	*
NATIVE UPLAND SEED MIX	*

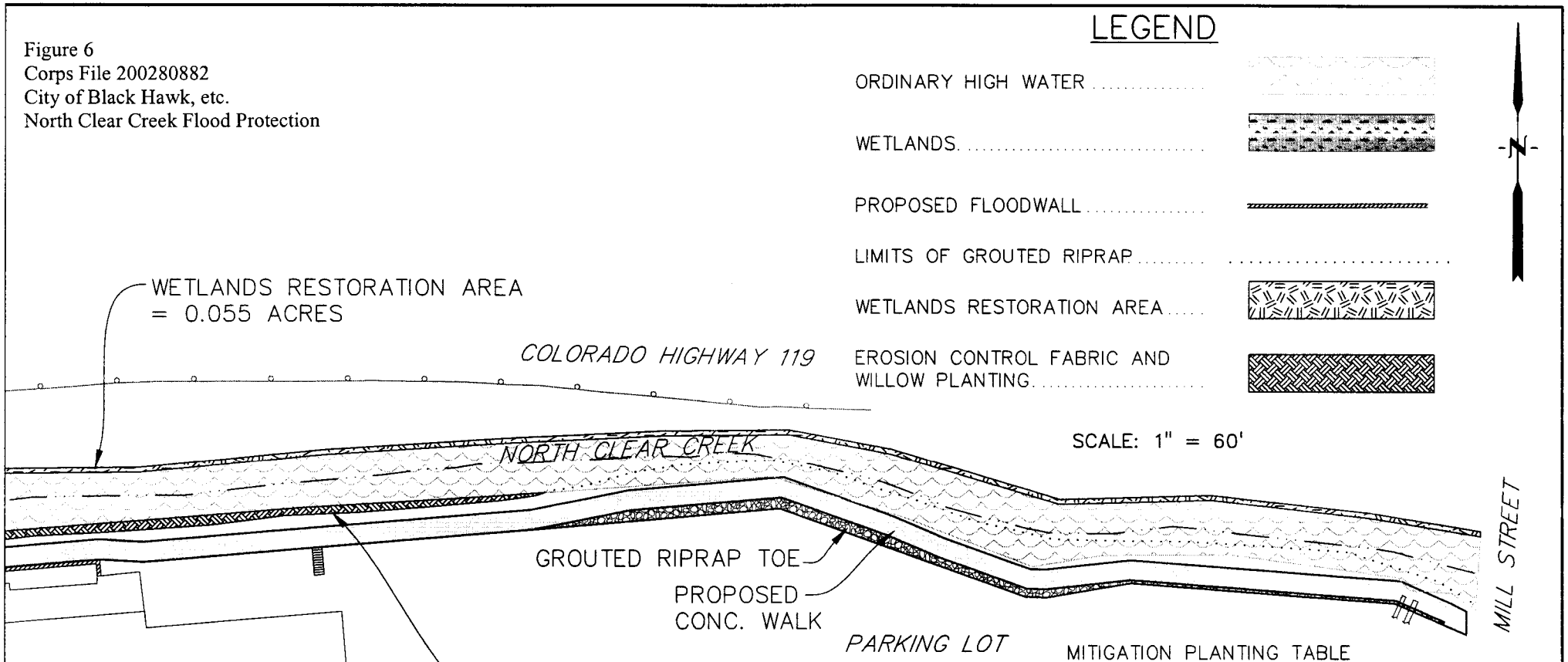
Drexel, Barrell & Co.
Engineers • Surveyors

NORTH CLEAR CREEK IMPROVEMENTS
GILPIN COUNTY, COLORADO
CORPS CASE NO. 200080269
FEBRUARY 2003

FIGURE 5
MITIGATION PLAN

SHEET 5 OF 9

Figure 6
Corps File 200280882
City of Black Hawk, etc.
North Clear Creek Flood Protection



MITIGATION PLANTING TABLE

COMMON NAME	NUMBER OF PLANTS
MOUNTAIN WILLOW	2,100 18" LONG CUTTINGS
THIN-LEAF ALDER	64 #5 SIZE POTTED
THIN-LEAF ALDER	64 TRANSPLANTED
NARROWLEAF COTTONWOOD	12 #5 SIZE POTTED
NATIVE WETLAND SEED MIX	*
NATIVE UPLAND SEED MIX	*

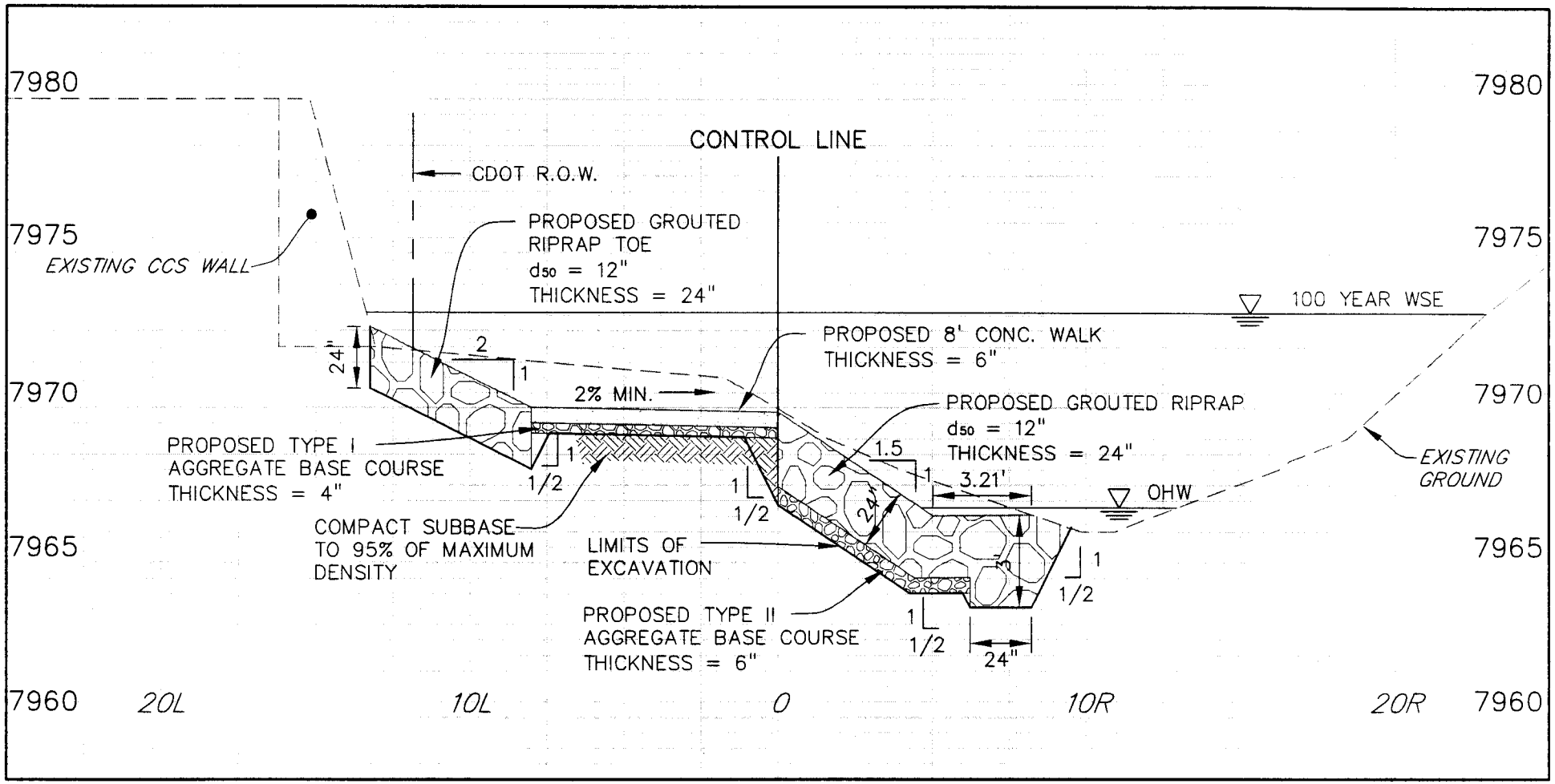
Drexel, Barrell & Co.
Engineers • Surveyors

NORTH CLEAR CREEK IMPROVEMENTS
GILPIN COUNTY, COLORADO
CORPS CASE NO. 200080269
FEBRUARY 2003

FIGURE 6
MITIGATION PLAN

SHEET 6 OF 9

Figure 7
Corps File 200280882
City of Black Hawk, etc.
North Clear Creek Flood Protection



SCALE:
H: 1" = 5'
V: 1" = 5'

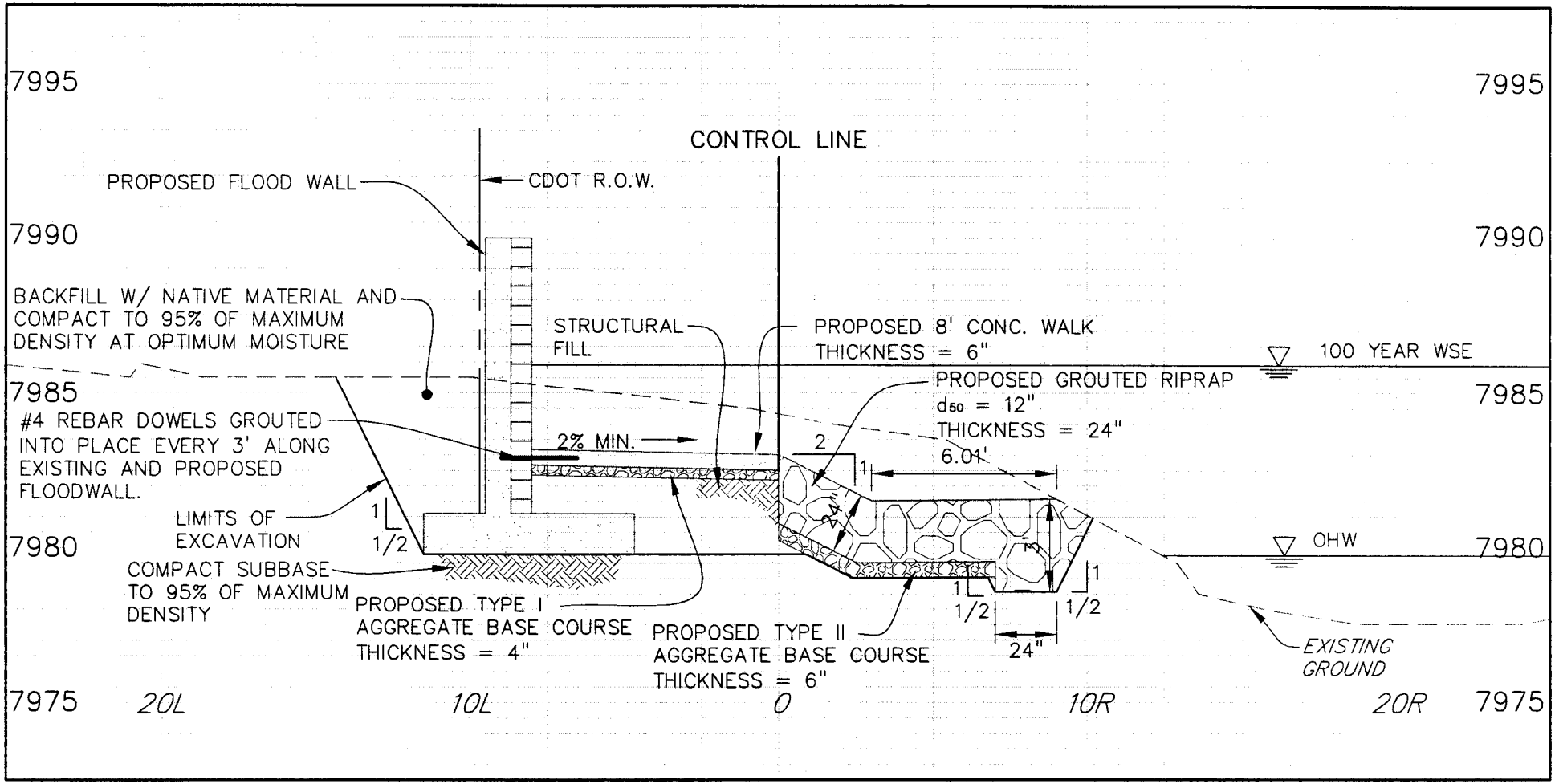
Drexel, Barrell & Co.
Engineers • Surveyors

NORTH CLEAR CREEK IMPROVEMENTS
GILPIN COUNTY, COLORADO
CORPS CASE NO. 200080269
FEBRUARY 2003

FIGURE 7
TYPICAL
SECTION

SHEET 7 OF 9

Figure 8
Corps File 200280882
City of Black Hawk, etc.
North Clear Creek Flood Protection



SCALE:
H: 1" = 5'
V: 1" = 5'

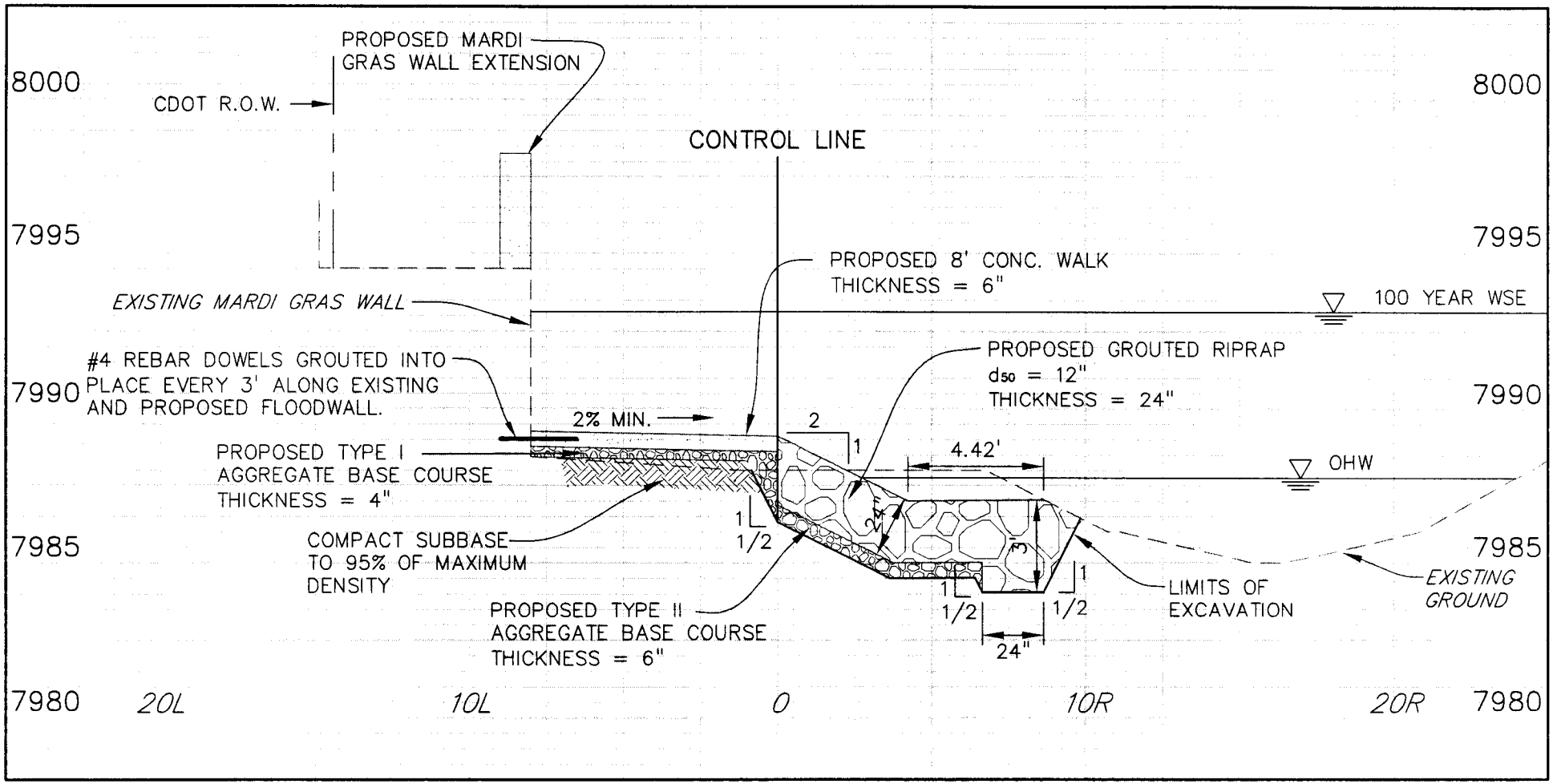
Drexel, Barrell & Co.
Engineers • Surveyors

NORTH CLEAR CREEK IMPROVEMENTS
GILPIN COUNTY, COLORADO
CORPS CASE NO. 200080269
FEBRUARY 2003

FIGURE 8
TYPICAL SECTION

SHEET 8 OF 9

Figure 9
Corps File 200280882
City of Black Hawk, etc.
North Clear Creek Flood Protection



SCALE:
H: 1" = 5'
V: 1" = 5'

Drexel, Barrell & Co.
Engineers • Surveyors

NORTH CLEAR CREEK IMPROVEMENTS
GILPIN COUNTY, COLORADO
CORPS CASE NO. 200080269
FEBRUARY 2003

FIGURE 9
TYPICAL SECTION

SHEET 9 OF 9