

Pompano Beach /  
Lauderdale-by-  
-the-Sea  
ECL  
Broward  
Co

CERTIFICATE OF APPROVAL  
ESTABLISHMENT OF EROSION CONTROL LINE

WHEREAS, Sections 161.141 through 161.211, Florida Statutes, authorized the State of Florida Board of Trustees of the Internal Improvement Trust Fund to locate and fix an erosion control line in the tidal waters of the State of Florida where beach erosion is a serious menace to the economy and general welfare of the people of the State; and

WHEREAS, the State of Florida Department of Natural Resources has certified that severe beach erosion has occurred in the area and recommends that a beach erosion control project be undertaken; and

WHEREAS, the Board of Trustees of the Internal Improvement Trust Fund held a public hearing on the 4th day of May, 1982, at Tallahassee, on the proposed Broward County, Pompano Beach/Lauderdale-by-the-Sea Erosion Control Line as surveyed by T.D. Bickham, Registered Land Surveyor, being more particularly described in Exhibit A, attached hereto and made a part hereof; and

WHEREAS, the Board of Trustees of the Internal Improvement Trust Fund has examined the evidence on the merits of the proposed beach erosion control project and finds that the restoration of the beach is in the interest of the public; and

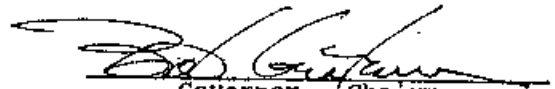
WHEREAS, from evidence presented to it and made a part of the file in these proceedings the Board of Trustees of the Internal Improvement Trust Fund has found that the owners of more than fifty percent of the lineal distance of the uplands riparian to such line have given their consent in writing to the location of the line; and

WHEREAS, all owners of lands riparian to said line and within a thousand feet thereof by radial measurement have been notified by certified mail of the proceedings to establish the erosion control line; and

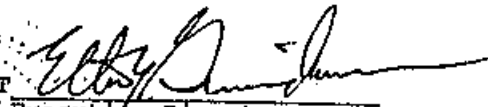
WHEREAS, the Board of Trustees of the Internal Improvement Trust Fund has determined that all requirements of the statutes hereunto applicable have been complied with in proper manner;

NOW, THEREFORE, BE IT RESOLVED BY THE STATE OF FLORIDA BOARD OF TRUSTEES OF THE INTERNAL IMPROVEMENT TRUST FUND that the erosion control line be approved, adopted, and certified for the purposes prescribed by Section 161.141 through 161.211, Florida Statutes, and the same is to remain effective until invalidated in accordance with the law.

DONE AND ORDERED THIS 2 day of February, 1982, pursuant to action of the State of Florida Board of Trustees of the Internal Improvement Trust Fund in regular meeting on May 4, 1982.

  
Governor - Chairman

ATTEST

  
Executive Director  
State of Florida  
Department of Natural Resources

(SEAL)

APPROVED AS TO FORM AND LEGALITY  
BY Lee R. Rake  
DATE 6-21-82

EXHIBIT A

POMPANO BEACH/LAUDERDALE-BY-THE-SEA  
BEACH RESTORATION PROJECT-EROSION CONTROL

A line in Sections 29 and 31, Township 48 South, Range 43 East, Sections 6, 7, and 18, Township 49 South, Range 43 East, Broward County, Florida, more particularly described as follows

Assumed  
150  
W 110' 00" 00"  
E 127' 00" 00"

Commencing at the United States Coast and Geodetic Survey Triangulation Station "Hillsboro Lighthouse Eccentric", thence run S 31° 30' 12" W 598.73 feet to the Point of Beginning; thence run N 73° 22' 00" W 74.08 feet to a point; thence run S 56° 00' 40" W 117.59 feet to a point; thence run S 50° 53' 19" W 191.22 feet to a point on the West line of Lot 18, Block 1, of the amended plat of Hillsboro Shores Section "C", as recorded in Plat Book 33, Page 37, of the Public Records of Broward County, Florida, said point also lies on a curve concave to the Northwest, having a radius of 587.97 feet, thence run along the arc of said curve 24.07 feet through a central angle of 2° 20' 43" to a point of reverse curvature of a curve concave to the Southeast, having a radius of 831.03 feet, a chord bearing of S 37° 41' 24" W, and a central angle of 13° 10' 28". Thence run along the arc of said curve and along the West line of said Block 1, 191.08 feet to a point; thence run S 24° 37' 14" W 187.60 feet to a point of intersection with said West line of Block 1, said point also being on the aforementioned curve concave to the Southeast having a radius of 831.13 feet, as shown on said amended plat of Hillsboro Shores Section "C". Thence run along the arc of said curve and along said West line of Block 1, 162.37 feet through a central angle of 11° 11' 41" to a point; thence run S 06° 56' 45" W 153.35 feet along said bulkhead line to a point of curvature of a curve concave to the Northwest, having a radius of 606.67 feet as shown on said amended plat of Hillsboro Shores Section "C". Thence run along the arc of said curve and along said West line of Block 1, 352.56 feet, through a central angle of 33° 17' 47" to a point; thence run S 12° 29' 24" W 573.61+ feet to a point, lying S 71° 21' 00" E 84.00 feet from DNR Monument R-27; thence run S 11° 43' 35" W 1047.08+ feet to a point; lying S 81° 21' 00" E 107.00 feet from DNR Monument R-28; thence run S 08° 14' 37" W 852.27+ feet to a point, lying S 76° 21' 00" E 121.00 feet from DNR Monument R-29; thence run S 34° 38' 28" W 1025.90+ feet to a point, lying S 76° 21' 00" E 132.00 feet from DNR Monument R-30; thence run S 12° 28' 53" W 967.95+ feet to a point, lying S 77° 17' 00" E 160.00 feet from DNR Monument R-31; thence run S 18° 55' 49" W 600.25+ feet to a point on the mean high water base line as recorded in Misc. Map Book 2, Page 49, of the Public Records of Broward County, Florida; thence run S 15° 00' 16" W, 537.40 feet, along said mean high water base line to a point; thence run S 39° 10' 00" W 497.10 feet, along said mean high water base line to a point; thence run S 26° 50' 57" W 499.02 feet, along said mean high water base line to a point; thence run S 20° 48' 13" W 503.73 feet, along said mean high water base line to a point; thence run S 23° 57' 55" W 494.72 feet along said mean high water base line to a point; thence run S 20° 34' 58" W 501.98 feet along said mean high water base line to a point; thence run S 24° 49' 54" W 496.23 feet along said mean high water base line to a point; thence run S 24° 38' 19" W 502.52 feet along said mean high water base line to a point; thence run S 00° 44' 49" E 498.57 feet, along said mean high water base line to a point; thence run S 33° 57' 33" W 498.51 feet, along said mean high water base line to a point; thence run S 32° 45' 39" W 459.04 feet, along said mean high water base line to a point; thence run S 2° 13' 59" W 485.56 feet, along said mean high water base line to a point; thence run S 1° 01' 28" W 497.27 feet, along said mean high water base line to a point; thence run S 3° 55' 16" W 504.96 feet, along said mean high

(155)  
(150)  
(151)  
(152)  
(153)  
(154)  
(155)  
(156)  
(157)  
(158)

water base line to a point; thence run  $S 9^{\circ} 32' 57'' W$  511.11 feet, along said mean high water base line to a point; thence run  $S 9^{\circ} 12' 13'' W$  509.37 feet, along said mean high water base line to a point; thence run  $S 9^{\circ} 12' 42'' W$  490.13 feet, along said mean high water base line to a point; thence run  $S 8^{\circ} 32' 55'' W$  496.41 feet, along said mean high water base line to a point; thence run  $S 8^{\circ} 26' 59'' W$  499.79 feet, along said mean high water base line to a point; thence run  $S 9^{\circ} 10' 40'' W$  518.19 feet, along said mean high water base line to a point; thence run  $S 7^{\circ} 47' 00'' W$  481.66 feet, along said mean high water base line to a point; thence run  $S 10^{\circ} 48' 59'' W$  500.37 feet, along said mean high water base line to a point; thence run  $S 11^{\circ} 22' 44'' W$  500.31 feet, along said mean high water base line to a point; thence run  $S 15^{\circ} 01' 25'' W$  508.73 feet, along said mean high water base line to a point; thence run  $S 9^{\circ} 47' 49'' W$  496.25 feet, along said mean high water base line to a point; thence run  $S 8^{\circ} 18' 28'' W$  493.53 feet, along said mean high water base line to a point; thence run  $S 7^{\circ} 44' 47'' W$  495.14 feet, along said mean high water base line to a point; thence run  $S 8^{\circ} 04' 57'' W$  494.17 feet, along said mean high water base line to a point; thence run  $S 7^{\circ} 59' 43'' W$  499.03 feet, along said mean high water base line to a point; thence run  $S 7^{\circ} 11' 49'' W$  487.78 feet, along said mean high water base line to a point; thence run  $S 7^{\circ} 06' 16'' W$  517.31 feet, along said mean high water base line to a point; thence run  $S 8^{\circ} 46' 14'' W$  476.99 feet, along said mean high water base line to a point; thence run  $S 8^{\circ} 14' 32'' W$  523.09 feet, along said mean high water base line to a point; thence run  $S 4^{\circ} 47' 10'' W$  498.95 feet, along said mean high water base line to a point; thence run  $S 10^{\circ} 43' 27'' E$  361.40+ feet to a point lying East 156.00 feet from DNR Monument R-49; thence run  $S 01^{\circ} 40' 36'' W$  1133.36+ feet to a point lying  $S 87^{\circ} 17' 00'' E$  145.00 feet from DNR Monument R-50; thence run  $S 05^{\circ} 35' 11'' W$  872.87+ feet to a point lying  $S 87^{\circ} 17' 00'' E$  118.00 feet from DNR Monument R-51; thence run  $S 10^{\circ} 32' 20'' W$  1078.21+ feet to a point lying  $S 87^{\circ} 17' 00'' E$  95.00 feet from DNR Monument R-52; thence run  $S 06^{\circ} 58' 02'' W$  863.27+ feet to a point of termination lying  $S 87^{\circ} 17' 00'' E$  53.00 feet from DNR Monument R-53; thence  $S 06^{\circ} 46' 16'' W$  1690.66 feet to a monument stamped AVS #18; thence run  $S 06^{\circ} 38' 23'' W$  5259.49 feet to a monument stamped AVS #19; thence run  $S 08^{\circ} 46' 48'' W$  4185.20 feet to a monument stamped AVS #20; thence run  $S 10^{\circ} 25' 13'' W$  2793.33 feet to a monument stamped AVS #21; thence run  $S 07^{\circ} 09' 58'' W$  2660.31 feet to a monument stamped AVS #22; thence run  $S 01^{\circ} 51' 46'' W$  4171.29 feet to a monument stamped AVS #23; thence run  $S 05^{\circ} 09' 17'' W$  2682.63 feet to a monument stamped AVS #24; thence run  $S 00^{\circ} 14' 48'' E$  3083.73 feet to a monument stamped AVS #25; thence run  $S 06^{\circ} 50' 10'' W$  5467.55 feet to the United States Coast & Geodetic Survey Triangulation Station "Point".

User Name: 12070  
Project: FDEP Mapping  
Inverse Alignment

(Howard Co. dg. 1)

Date: 11-12-99  
Time: 10:32:22  
Page: 1

Note: Located point 132 first then  
shot backwards to locate 131+130  
Then proceeded forward from point 132 to locate the  
alignment

Point	Node ID	Station	Northing-(Y)	Easting-(X)
BOP	130	0+00.00	624489.755	789105.365

Direction Distance

N87°07'23"E 2258.380

Point	Node ID	Station	Northing-(Y)	Easting-(X)
PI	131	22+58.38	624603.106	791360.899

Direction Distance

N07°23'38"E 591.200

Point	Node ID	Station	Northing-(Y)	Easting-(X)
PI	132	28+49.58	625189.390	791436.980

Direction Distance

N07°23'38"E 1501.310

Point	Node ID	Station	Northing-(Y)	Easting-(X)
PI	133	43+50.89	626678.216	791630.183

Direction Distance

N06°42'53"E 1392.550

Point	Node ID	Station	Northing-(Y)	Easting-(X)
PI	134	57+43.44	628061.214	791793.009

Direction Distance

N07°11'14"W 564.150

Point	Node ID	Station	Northing-(Y)	Easting-(X)
PI	135	63+07.59	628620.932	791722.427

Direction Distance

N01°08'45"E 879.250

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	136	71+86.84	629500.006	791740.009
Direction		Distance		
N03°37'26"E		1503.010		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	137	86+89.85	631000.011	791835.009
Direction		Distance		
N02°28'53"E		1501.410		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	138	101+91.26	632500.013	791900.013
Direction		Distance		
N04°34'26"E		2006.390		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	139	121+97.65	634500.013	792060.012
Direction		Distance		
N03°43'08"E		1002.110		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	140	131+99.76	635500.013	792125.010
Direction		Distance		
N04°17'21"E		1002.810		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	141	142+02.57	636500.014	792200.010
Direction		Distance		
N03°26'01"E		1502.700		

Point	Node ID	Station	Northing-(Y)	Easting-(X)
PI	142	157+05.27	638000.017	792290.010

Direction            Distance  
-----  
N05°42'38"E        1004.990

Point	Node ID	Station	Northing-(Y)	Easting-(X)
PI	143	167+10.26	639000.019	792390.009

Direction            Distance  
-----  
N15°01'26"E        1195.880

Point	Node ID	Station	Northing-(Y)	Easting-(X)
PI	144	179+06.14	640155.021	792700.007

Direction            Distance  
-----  
S08°09'02"W        5155.110

Point	Node ID	Station	Northing-(Y)	Easting-(X)
PI	145	230+61.25	635051.984	791969.143

Direction            Distance  
-----  
S88°25'23"W        3208.310

Point	Node ID	Station	Northing-(Y)	Easting-(X)
EOP	146	262+69.56	634963.693	788762.048

User Name: 12070  
Project: FDEP Mapping  
Inverse Points

Inverse POINTS  
Begin 150 to End 224  
(Starts on Pg 4)

Date: 10-08-99  
Time: 13:59:35  
Page: 1

Pg 1 thru 3 is Inverse of R monuments to located Points

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
162	97823.1642	98762.5747	0.000
Description:	DNR Monument R27		
Field Code:	65		

PompanoBch-FtLax  
do

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
161	97796.3022	98842.1638	0.000
Description:			
Field Code:	65		

Horizontal direction: S71°21'00.00"E  
Zenith Angle: 90°00'00.00"  
Horizontal Distance: 84.0000  
Delta Elevation: 0.000  
Slope Distance: 84.0000

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
164	96787.1681	98523.5742	0.000
Description:	DNR Monument r28		
Field Code:	65		

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
163	96771.0755	98629.3571	0.000
Description:			
Field Code:	65		

Horizontal direction: S81°21'00.00"E  
Zenith Angle: 90°00'00.00"  
Horizontal Distance: 107.0000  
Delta Elevation: 0.000  
Slope Distance: 107.0000

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
166	95956.1665	98389.5743	0.000
Description:	DNR Monument R29		
Field Code:	65		



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Node ID                    Northing- (Y)                    Easting- (X)                    Elevation- (Z)  
-----

165                        95927.6117                        98507.1567                        0.000

Description:

Field Code:                65

Horizontal direction:                        S76°21'00.00"E

Zenith Angle:                                90°00'00.00"

Horizontal Distance                         121.0000

Delta Elevation:                             0.000

Slope Distance:                              121.0000

Object Type: Line

Node ID                    Northing- (Y)                    Easting- (X)                    Elevation- (Z)  
-----

168                        94966.1753                        98119.5747                        0.000

Description:                DNR Monument R30

Field Code:                65

Node ID                    Northing- (Y)                    Easting- (X)                    Elevation- (Z)  
-----

167                        94935.0246                        98247.8464                        0.000

Description:

Field Code:                65

Horizontal direction:                        S76°21'00.00"E

Zenith Angle:                                90°00'00.00"

Horizontal Distance                         132.0000

Delta Elevation:                             0.000

Slope Distance:                              132.0000

Object Type: Line

Node ID                    Northing- (Y)                    Easting- (X)                    Elevation- (Z)  
-----

170                        94025.1717                        97882.5754                        0.000

Description:                DNR Monument R31

Field Code:                65

Node ID                    Northing- (Y)                    Easting- (X)                    Elevation- (Z)  
-----

169                        93989.9509                        98038.6507                        0.000

Description:

Field Code:                65

Horizontal direction:                        S77°17'00.00"E

Zenith Angle:                                90°00'00.00"

=====  
Horizontal Distance                   160.0000  
Delta Elevation:                    0.000  
Slope Distance:                    160.0000

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
207	76271.1591	95521.5721	0.000
Description:	DNR Monument R49		
Field Code:	65		

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
206	76271.1591	95677.5721	0.000
Description:			
Field Code:	65		

Horizontal direction:                   N90°00'00.00"E  
Zenith Angle:                        90°00'00.00"  
Horizontal Distance                   156.0000  
Delta Elevation:                    0.000  
Slope Distance:                    156.0000

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
209	75145.1569	95499.5739	0.000
Description:	DNR Monument R50		
Field Code:	65		

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
208	75138.2843	95644.4109	0.000
Description:			
Field Code:	65		

Horizontal direction:                   S87°17'00.00"E  
Zenith Angle:                        90°00'00.00"  
Horizontal Distance                   145.0000  
Delta Elevation:                    0.000  
Slope Distance:                    145.0000

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
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=====  
211                    74275.1528                    95441.5727                    0.000  
Description:            DNR Monument R51  
Field Code:            65

Node ID                Northing-(Y)                Easting-(X)                Elevation-(Z)

-----  
210                    74269.5600                    95559.4401                    0.000  
Description:  
Field Code:            65

Horizontal direction:                    S87°17'00.00"E  
Zenith Angle:                            90°00'00.00"  
Horizontal Distance                      118.0000  
Delta Elevation:                        0.000  
Slope Distance:                         118.0000

Object Type: Line

Node ID                Northing-(Y)                Easting-(X)                Elevation-(Z)

-----  
213                    73214.0410                    95267.3392                    0.000  
Description:            DNR Monument R52  
Field Code:            65

Node ID                Northing-(Y)                Easting-(X)                Elevation-(Z)

-----  
212                    73209.5383                    95362.2324                    0.000  
Description:  
Field Code:            65

Horizontal direction:                    S87°17'00.00"E  
Zenith Angle:                            90°00'00.00"  
Horizontal Distance                      95.0000  
Delta Elevation:                        0.000  
Slope Distance:                         95.0000

Object Type: Line

Node ID                Northing-(Y)                Easting-(X)                Elevation-(Z)

-----  
150                    100000.0000                    100000.0000                    0.000  
Description:            Point of Commencing  
Field Code:            65

Node ID                Northing-(Y)                Easting-(X)                Elevation-(Z)

-----  
151                    99489.5170                    99687.1347                    0.000  
Description:            Point of Begin

=====  
Field Code: 65

Horizontal direction: S31°30'12.00"W  
Zenith Angle: 90°00'00.00"  
Horizontal Distance: 598.7300  
Delta Elevation: 0.000  
Slope Distance: 598.7300

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
151	99489.5170	99687.1347	0.000
Description:	Point of Begin		
Field Code:	65		

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
152	99510.7220	99616.1545	0.000
Description:			
Field Code:	65		

Horizontal direction: N73°22'00.00"W  
Zenith Angle: 90°00'00.00"  
Horizontal Distance: 74.0800  
Delta Elevation: 0.000  
Slope Distance: 74.0800

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
152	99510.7220	99616.1545	0.000
Description:			
Field Code:	65		

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
153	99444.9855	99518.6552	0.000
Description:			
Field Code:	65		

Horizontal direction: S56°00'40.00"W  
Zenith Angle: 90°00'00.00"  
Horizontal Distance: 117.5900  
Delta Elevation: 0.000  
Slope Distance: 117.5900

=====  
Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
153	99444.9855	99518.6552	0.000
Description:			
Field Code:	65		

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
154	99324.3581	99370.2836	0.000
Description:	POC		
Field Code:	65		

Horizontal direction: 950°53'19.00"W  
Zenith Angle: 90°00'00.00"  
Horizontal Distance: 191.2200  
Delta Elevation: 0.000  
Slope Distance: 191.2200

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
154	99324.3581	99370.2836	0.000
Description:	POC		
Field Code:	65		

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
155	99306.7880	99353.8390	0.000
Description:	PRC		
Field Code:	65		

Horizontal direction: S43°06'17.41"W  
Zenith Angle: 90°00'00.00"  
Horizontal Distance: 24.0652  
Delta Elevation: 0.000  
Slope Distance: 24.0652

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
155	99306.7880	99353.8390	0.000
Description:	PRC		
Field Code:	65		

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=====
Node ID          Northing-(Y)      Easting-(X)      Elevation-(Z)
-----
156              99155.9100       99237.2690      0.000
Description:    PT
Field Code:     65
```

Horizontal direction: S37°41'24.25"W  
Zenith Angle: 90°00'00.00"  
Horizontal Distance 190.6639  
Delta Elevation: 0.000  
Slope Distance: 190.6639

Object Type: Line

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Node ID          Northing-(Y)      Easting-(X)      Elevation-(Z)
-----
156              99155.9100       99237.2690      0.000
Description:    PT
Field Code:     65
```

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Node ID          Northing-(Y)      Easting-(X)      Elevation-(Z)
-----
157              98985.3653       99159.1135      0.000
Description:    Point on Curve
Field Code:     65
```

Horizontal direction: S24°37'14.00"W  
Zenith Angle: 90°00'00.00"  
Horizontal Distance 187.6000  
Delta Elevation: 0.000  
Slope Distance: 187.6000

Object Type: Line

```
Node ID          Northing-(Y)      Easting-(X)      Elevation-(Z)
-----
157              98985.3653       99159.1135      0.000
Description:    Point on Curve
Field Code:     65
```

```
Node ID          Northing-(Y)      Easting-(X)      Elevation-(Z)
-----
158              98827.1230       99123.9020      0.000
Description:    Point on Curve
Field Code:     65
```

Horizontal direction: S12°32'41.55"W  
Zenith Angle: 90°00'00.00"

=====  
Horizontal Distance                   162.1126  
Delta Elevation:                    0.000  
Slope Distance:                     162.1126

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
158	98827.1230	99123.9020	0.000
Description:	Point on Curve		
Field Code:	65		

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
159	98674.8984	99105.3572	0.000
Description:	Point of Curvature		
Field Code:	65		

Horizontal direction:                   S06°56'45.00"W  
Zenith Angle:                        90°00'00.00"  
Horizontal Distance                   153.3500  
Delta Elevation:                     0.000  
Slope Distance:                     153.3500

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
159	98674.8984	99105.3572	0.000
Description:	Point of Curvature		
Field Code:	65		

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
160	98356.3370	98966.2180	0.000
Description:	Point on Curve		
Field Code:	65		

Horizontal direction:                   S23°35'39.97"W  
Zenith Angle:                        90°00'00.00"  
Horizontal Distance                   347.6221  
Delta Elevation:                     0.000  
Slope Distance:                     347.6221

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
---------	--------------	-------------	---------------

=====  
160                    98356.3370                    98966.2180                    0.000  
Description:           Point on Curve  
Field Code:            65

Node ID                Northing-(Y)                Easting-(X)                Elevation-(Z)

-----  
161                    97796.3022                    98842.1638                    0.000  
Description:  
Field Code:            65

Horizontal direction:                    S12°29'24.00"W  
Zenith Angle:                            90°00'00.00"  
Horizontal Distance                      573.6100  
Delta Elevation:                         0.000  
Slope Distance:                         573.6100

Object Type: Line

Node ID                Northing-(Y)                Easting-(X)                Elevation-(Z)

-----  
161                    97796.3022                    98842.1638                    0.000  
Description:  
Field Code:            65

Node ID                Northing-(Y)                Easting-(X)                Elevation-(Z)

-----  
162                    97823.1642                    98762.5747                    0.000  
Description:            DNR Monument R27  
Field Code:            65

Horizontal direction:                    N71°21'00.00"W  
Zenith Angle:                            90°00'00.00"  
Horizontal Distance                      84.0000  
Delta Elevation:                         0.000  
Slope Distance:                         84.0000

Object Type: Line

Node ID                Northing-(Y)                Easting-(X)                Elevation-(Z)

-----  
162                    97823.1642                    98762.5747                    0.000  
Description:            DNR Monument R27  
Field Code:            65

Node ID                Northing-(Y)                Easting-(X)                Elevation-(Z)

-----  
163                    96771.0755                    98629.3571                    0.000  
Description:



=====  
Field Code: 65

Horizontal direction: S07°12'59.41"W  
Zenith Angle: 90°00'00.00"  
Horizontal Distance: 1060.4894  
Delta Elevation: 0.000  
Slope Distance: 1060.4894

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
163	96771.0755	98629.3571	0.000
Description:			
Field Code:	65		

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
164	96787.1681	98523.5742	0.000
Description:	DNR Monument r28		
Field Code:	65		

Horizontal direction: N81°21'00.00"W  
Zenith Angle: 90°00'00.00"  
Horizontal Distance: 107.0000  
Delta Elevation: 0.000  
Slope Distance: 107.0000

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
164	96787.1681	98523.5742	0.000
Description:	DNR Monument r28		
Field Code:	65		

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
165	95927.6117	98507.1567	0.000
Description:			
Field Code:	65		

Horizontal direction: S01°05'39.17"W  
Zenith Angle: 90°00'00.00"  
Horizontal Distance: 859.7132  
Delta Elevation: 0.000  
Slope Distance: 859.7132

=====  
Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
165	95927.6117	98507.1567	0.000
Description:			
Field Code:	65		

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
166	95956.1665	98389.5743	0.000
Description:	DNR Monument R29		
Field Code:	65		

Horizontal direction: N76°21'00.00"W  
Zenith Angle: 90°00'00.00"  
Horizontal Distance: 121.0000  
Delta Elevation: 0.000  
Slope Distance: 121.0000

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
166	95956.1665	98389.5743	0.000
Description:	DNR Monument R29		
Field Code:	65		

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
167	94935.0246	98247.8464	0.000
Description:			
Field Code:	65		

Horizontal direction: S07°54'06.48"W  
Zenith Angle: 90°00'00.00"  
Horizontal Distance: 1030.9304  
Delta Elevation: 0.000  
Slope Distance: 1030.9304

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
167	94935.0246	98247.8464	0.000
Description:			
Field Code:	65		

```
=====
Node ID          Northing-(Y)      Easting-(X)      Elevation-(Z)
-----
168              94966.1753       98119.5747      0.000
Description:     DNR Monument R30
Field Code:      65
```

Horizontal direction: N76°21'00.00"W  
Zenith Angle: 90°00'00.00"  
Horizontal Distance 132.0000  
Delta Elevation: 0.000  
Slope Distance: 132.0000

Object Type: Line

```
=====
Node ID          Northing-(Y)      Easting-(X)      Elevation-(Z)
-----
168              94966.1753       98119.5747      0.000
Description:     DNR Monument R30
Field Code:      65
```

```
=====
Node ID          Northing-(Y)      Easting-(X)      Elevation-(Z)
-----
169              93989.9509       98038.6507      0.000
Description:
Field Code:      65
```

Horizontal direction: S04°44'19.30"W  
Zenith Angle: 90°00'00.00"  
Horizontal Distance 979.5728  
Delta Elevation: 0.000  
Slope Distance: 979.5728

Object Type: Line

```
=====
Node ID          Northing-(Y)      Easting-(X)      Elevation-(Z)
-----
169              93989.9509       98038.6507      0.000
Description:
Field Code:      65
```

```
=====
Node ID          Northing-(Y)      Easting-(X)      Elevation-(Z)
-----
170              94025.1717       97882.5754      0.000
Description:     DNR Monument R31
Field Code:      65
```

Horizontal direction: N77°17'00.00"W  
Zenith Angle: 90°00'00.00"

=====  
Horizontal Distance                   160.0000  
Delta Elevation:                    0.000  
Slope Distance:                     160.0000

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
170	94025.1717	97882.5754	0.000
Description:	DNR Monument R31		
Field Code:	65		

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
171	93422.1660	97843.9192	0.000
Description:			
Field Code:	65		

Horizontal direction:                   S03°40'04.72"W  
Zenith Angle:                        90°00'00.00"  
Horizontal Distance                   604.2435  
Delta Elevation:                     0.000  
Slope Distance:                     604.2435

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
171	93422.1660	97843.9192	0.000
Description:			
Field Code:	65		

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
172	92903.0882	97704.7896	0.000
Description:			
Field Code:	65		

Horizontal direction:                   S15°00'16.00"W  
Zenith Angle:                        90°00'00.00"  
Horizontal Distance                   537.4000  
Delta Elevation:                     0.000  
Slope Distance:                     537.4000

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
---------	--------------	-------------	---------------

=====  
172                    92903.0882                    97704.7896                    0.000

Description:  
Field Code:            65

Node ID                Northing-(Y)                Easting-(X)                Elevation-(Z)

-----  
173                    92412.3366                    97625.5981                    0.000

Description:  
Field Code:            65

Horizontal direction:                    S09°10'00.00"W  
Zenith Angle:                            90°00'00.00"  
Horizontal Distance                      497.1000  
Delta Elevation:                         0.000  
Slope Distance:                         497.1000

Object Type: Line

Node ID                Northing-(Y)                Easting-(X)                Elevation-(Z)

-----  
173                    92412.3366                    97625.5981                    0.000

Description:  
Field Code:            65

Node ID                Northing-(Y)                Easting-(X)                Elevation-(Z)

-----  
174                    91916.8779                    97566.0870                    0.000

Description:  
Field Code:            65

Horizontal direction:                    S06°50'57.00"W  
Zenith Angle:                            90°00'00.00"  
Horizontal Distance                      499.0200  
Delta Elevation:                         0.000  
Slope Distance:                         499.0200

Object Type: Line

Node ID                Northing-(Y)                Easting-(X)                Elevation-(Z)

-----  
174                    91916.8779                    97566.0870                    0.000

Description:  
Field Code:            65

Node ID                Northing-(Y)                Easting-(X)                Elevation-(Z)

-----  
175                    91422.0763                    97471.6662                    0.000

Description:

=====  
Field Code: 65

Horizontal direction: S10°48'13.00"W  
Zenith Angle: 90°00'00.00"  
Horizontal Distance: 503.7300  
Delta Elevation: 0.000  
Slope Distance: 503.7300

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
175	91422.0763	97471.6662	0.000
Description:			
Field Code:	65		

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
176	90928.5406	97437.4554	0.000
Description:			
Field Code:	65		

Horizontal direction: S03°57'55.00"W  
Zenith Angle: 90°00'00.00"  
Horizontal Distance: 494.7200  
Delta Elevation: 0.000  
Slope Distance: 494.7200

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
176	90928.5406	97437.4554	0.000
Description:			
Field Code:	65		

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
177	90435.0989	97345.2638	0.000
Description:			
Field Code:	65		

Horizontal direction: S10°34'58.00"W  
Zenith Angle: 90°00'00.00"  
Horizontal Distance: 501.9800  
Delta Elevation: 0.000  
Slope Distance: 501.9800

=====  
Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
177	90435.0989	97345.2638	0.000
Description:			
Field Code:	65		

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
178	89940.6323	97303.4671	0.000
Description:			
Field Code:	65		

Horizontal direction: S04°49'54.00"W  
Zenith Angle: 90°00'00.00"  
Horizontal Distance: 496.2300  
Delta Elevation: 0.000  
Slope Distance: 496.2300

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
178	89940.6323	97303.4671	0.000
Description:			
Field Code:	65		

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
179	89439.7583	97262.8279	0.000
Description:			
Field Code:	65		

Horizontal direction: S04°38'19.00"W  
Zenith Angle: 90°00'00.00"  
Horizontal Distance: 502.5200  
Delta Elevation: 0.000  
Slope Distance: 502.5200

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
179	89439.7583	97262.8279	0.000
Description:			
Field Code:	65		

```
=====  
Node ID      Northing-(Y)      Easting-(X)      Elevation-(Z)  
-----  
180          88941.2306       97269.3274       0.000
```

Description:  
Field Code: 65

Horizontal direction: S00°44'49.00"E  
Zenith Angle: 90°00'00.00"  
Horizontal Distance 498.5700  
Delta Elevation: 0.000  
Slope Distance: 498.5700

Object Type: Line

```
Node ID      Northing-(Y)      Easting-(X)      Elevation-(Z)  
-----  
180          88941.2306       97269.3274       0.000
```

Description:  
Field Code: 65

```
Node ID      Northing-(Y)      Easting-(X)      Elevation-(Z)  
-----  
181          88443.9103       97234.9076       0.000
```

Description:  
Field Code: 65

Horizontal direction: S03°57'33.00"W  
Zenith Angle: 90°00'00.00"  
Horizontal Distance 498.5100  
Delta Elevation: 0.000  
Slope Distance: 498.5100

Object Type: Line

```
Node ID      Northing-(Y)      Easting-(X)      Elevation-(Z)  
-----  
181          88443.9103       97234.9076       0.000
```

Description:  
Field Code: 65

```
Node ID      Northing-(Y)      Easting-(X)      Elevation-(Z)  
-----  
182          87985.4031       97212.7970       0.000
```

Description:  
Field Code: 65

Horizontal direction: S02°45'39.00"W  
Zenith Angle: 90°00'00.00"



=====  
Horizontal Distance 459.0400  
Delta Elevation: 0.000  
Slope Distance: 459.0400

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
182	87985.4031	97212.7970	0.000
Description:			
Field Code:	65		

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
183	87500.2119	97193.8775	0.000
Description:			
Field Code:	65		

Horizontal direction: S02°13'59.00"W  
Zenith Angle: 90°00'00.00"  
Horizontal Distance 485.5600  
Delta Elevation: 0.000  
Slope Distance: 485.5600

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
183	87500.2119	97193.8775	0.000
Description:			
Field Code:	65		

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
184	87003.0214	97184.9868	0.000
Description:			
Field Code:	65		

Horizontal direction: S01°01'28.00"W  
Zenith Angle: 90°00'00.00"  
Horizontal Distance 497.2700  
Delta Elevation: 0.000  
Slope Distance: 497.2700

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
---------	--------------	-------------	---------------

=====  
184                    87003.0214                    97184.9868                    0.000

Description:  
Field Code:            65

Node ID                Northing-(Y)                Easting-(X)                Elevation-(Z)

-----  
185                    86499.2434                    97150.4562                    0.000

Description:  
Field Code:            65

Horizontal direction:                    S03°55'16.00"W  
Zenith Angle:                            90°00'00.00"  
Horizontal Distance                      504.9600  
Delta Elevation:                         0.000  
Slope Distance:                         504.9600

Object Type: Line

Node ID                Northing-(Y)                Easting-(X)                Elevation-(Z)

-----  
185                    86499.2434                    97150.4562                    0.000

Description:  
Field Code:            65

Node ID                Northing-(Y)                Easting-(X)                Elevation-(Z)

-----  
186                    85995.2155                    97065.6661                    0.000

Description:  
Field Code:            65

Horizontal direction:                    S09°32'57.00"W  
Zenith Angle:                            90°00'00.00"  
Horizontal Distance                      511.1100  
Delta Elevation:                         0.000  
Slope Distance:                         511.1100

Object Type: Line

Node ID                Northing-(Y)                Easting-(X)                Elevation-(Z)

-----  
186                    85995.2155                    97065.6661                    0.000

Description:  
Field Code:            65

Node ID                Northing-(Y)                Easting-(X)                Elevation-(Z)

-----  
187                    85492.4031                    96984.1958                    0.000

Description:

=====  
Field Code: 65

Horizontal direction: S09°12'13.00"W  
Zenith Angle: 90°00'00.00"  
Horizontal Distance: 509.3700  
Delta Elevation: 0.000  
Slope Distance: 509.3700

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
187	85492.4031	96984.1958	0.000
Description:			
Field Code:	65		

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
188	85008.5939	96905.7347	0.000
Description:			
Field Code:	65		

Horizontal direction: S09°12'42.00"W  
Zenith Angle: 90°00'00.00"  
Horizontal Distance: 490.1300  
Delta Elevation: 0.000  
Slope Distance: 490.1300

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
188	85008.5939	96905.7347	0.000
Description:			
Field Code:	65		

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
189	84517.6990	96831.9441	0.000
Description:			
Field Code:	65		

Horizontal direction: S08°32'55.00"W  
Zenith Angle: 90°00'00.00"  
Horizontal Distance: 496.4100  
Delta Elevation: 0.000  
Slope Distance: 496.4100

=====  
Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
189	84517.6990	96831.9441	0.000
Description:			
Field Code:	65		

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
190	84023.3341	96758.5042	0.000
Description:			
Field Code:	65		

Horizontal direction: S08°26'59.00"W  
Zenith Angle: 90°00'00.00"  
Horizontal Distance 499.7900  
Delta Elevation: 0.000  
Slope Distance: 499.7900

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
190	84023.3341	96758.5042	0.000
Description:			
Field Code:	65		

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
191	83511.7779	96675.8538	0.000
Description:			
Field Code:	65		

Horizontal direction: S09°10'40.00"W  
Zenith Angle: 90°00'00.00"  
Horizontal Distance 518.1900  
Delta Elevation: 0.000  
Slope Distance: 518.1900

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
191	83511.7779	96675.8538	0.000
Description:			
Field Code:	65		

=====  
Node ID                    Northing- (Y)                    Easting- (X)                    Elevation- (Z)  
-----

192                        83034.5553                        96610.6238                        0.000

Description:

Field Code:                65

Horizontal direction:                        S07°47'00.00"W

Zenith Angle:                                90°00'00.00"

Horizontal Distance                         481.6600

Delta Elevation:                             0.000

Slope Distance:                              481.6600

Object Type:    Line

Node ID                    Northing- (Y)                    Easting- (X)                    Elevation- (Z)  
-----

192                        83034.5553                        96610.6238                        0.000

Description:

Field Code:                65

Node ID                    Northing- (Y)                    Easting- (X)                    Elevation- (Z)  
-----

193                        82543.0751                        96516.7233                        0.000

Description:

Field Code:                65

Horizontal direction:                        S10°48'59.00"W

Zenith Angle:                                90°00'00.00"

Horizontal Distance                         500.3700

Delta Elevation:                             0.000

Slope Distance:                              500.3700

Object Type:    Line

Node ID                    Northing- (Y)                    Easting- (X)                    Elevation- (Z)  
-----

193                        82543.0751                        96516.7233                        0.000

Description:

Field Code:                65

Node ID                    Northing- (Y)                    Easting- (X)                    Elevation- (Z)  
-----

194                        82052.5992                        96418.0140                        0.000

Description:

Field Code:                65

Horizontal direction:                        S11°22'44.00"W

Zenith Angle:                                90°00'00.00"

=====  
Horizontal Distance                   500.3100  
Delta Elevation:                    0.000  
Slope Distance:                     500.3100

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
194	82052.5992	96418.0140	0.000
Description:			
Field Code:	65		

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
195	81561.2580	96286.1425	0.000
Description:			
Field Code:	65		

Horizontal direction:               S15°01'25.00"W  
Zenith Angle:                       90°00'00.00"  
Horizontal Distance                 508.7300  
Delta Elevation:                    0.000  
Slope Distance:                     508.7300

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
195	81561.2580	96286.1425	0.000
Description:			
Field Code:	65		

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
196	81072.2449	96201.7022	0.000
Description:			
Field Code:	65		

Horizontal direction:               S09°47'49.00"W  
Zenith Angle:                       90°00'00.00"  
Horizontal Distance                 496.2500  
Delta Elevation:                    0.000  
Slope Distance:                     496.2500

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
---------	--------------	-------------	---------------

=====  
196                    81072.2449                    96201.7022                    0.000  
Description:  
Field Code:            65

Node ID                Northing-(Y)                Easting-(X)                Elevation-(Z)  
-----

197                    80583.8939                    96130.3917                    0.000  
Description:  
Field Code:            65

Horizontal direction:                    S08°18'28.00"W  
Zenith Angle:                            90°00'00.00"  
Horizontal Distance                      493.5300  
Delta Elevation:                         0.000  
Slope Distance:                          493.5300

Object Type: Line

Node ID                Northing-(Y)                Easting-(X)                Elevation-(Z)  
-----

197                    80583.8939                    96130.3917                    0.000  
Description:  
Field Code:            65

Node ID                Northing-(Y)                Easting-(X)                Elevation-(Z)  
-----

198                    80093.2723                    96063.6526                    0.000  
Description:  
Field Code:            65

Horizontal direction:                    S07°44'47.00"W  
Zenith Angle:                            90°00'00.00"  
Horizontal Distance                      495.1400  
Delta Elevation:                         0.000  
Slope Distance:                          495.1400

Object Type: Line

Node ID                Northing-(Y)                Easting-(X)                Elevation-(Z)  
-----

198                    80093.2723                    96063.6526                    0.000  
Description:  
Field Code:            65

Node ID                Northing-(Y)                Easting-(X)                Elevation-(Z)  
-----

199                    79604.0111                    95994.1728                    0.000  
Description:

=====  
Field Code: 65

Horizontal direction: S08°04'57.00"W  
Zenith Angle: 90°00'00.00"  
Horizontal Distance 494.1700  
Delta Elevation: 0.000  
Slope Distance: 494.1700

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
199	79604.0111	95994.1728	0.000
Description:			
Field Code:	65		

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
200	79109.8319	95924.7620	0.000
Description:			
Field Code:	65		

Horizontal direction: S07°59'43.00"W  
Zenith Angle: 90°00'00.00"  
Horizontal Distance 499.0300  
Delta Elevation: 0.000  
Slope Distance: 499.0300

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
200	79109.8319	95924.7620	0.000
Description:			
Field Code:	65		

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
201	78625.8949	95863.6528	0.000
Description:			
Field Code:	65		

Horizontal direction: S07°11'49.00"W  
Zenith Angle: 90°00'00.00"  
Horizontal Distance 487.7800  
Delta Elevation: 0.000  
Slope Distance: 487.7800



=====  
Object Type: Line

Node ID	Northing- (Y)	Easting- (X)	Elevation- (Z)
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201	78625.8949	95863.6528	0.000
-----	------------	------------	-------

Description:

Field Code: 65

Node ID	Northing- (Y)	Easting- (X)	Elevation- (Z)
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202	78112.5567	95799.6727	0.000
-----	------------	------------	-------

Description:

Field Code: 65

Horizontal direction: S07°06'16.00"W

Zenith Angle: 90°00'00.00"

Horizontal Distance 517.3100

Delta Elevation: 0.000

Slope Distance: 517.3100

Object Type: Line

Node ID	Northing- (Y)	Easting- (X)	Elevation- (Z)
---------	---------------	--------------	----------------

202	78112.5567	95799.6727	0.000
-----	------------	------------	-------

Description:

Field Code: 65

Node ID	Northing- (Y)	Easting- (X)	Elevation- (Z)
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203	77641.1442	95726.9422	0.000
-----	------------	------------	-------

Description:

Field Code: 65

Horizontal direction: S08°46'14.00"W

Zenith Angle: 90°00'00.00"

Horizontal Distance 476.9900

Delta Elevation: 0.000

Slope Distance: 476.9900

Object Type: Line

Node ID	Northing- (Y)	Easting- (X)	Elevation- (Z)
---------	---------------	--------------	----------------

203	77641.1442	95726.9422	0.000
-----	------------	------------	-------

Description:

Field Code: 65

=====  
Node ID                    Northing-(Y)                    Easting-(X)                    Elevation-(Z)  
-----

204                        77123.4572                    95651.9529                    0.000  
Description:  
Field Code:                65

Horizontal direction:                    S08°14'32.00"W  
Zenith Angle:                            90°00'00.00"  
Horizontal Distance                      523.0900  
Delta Elevation:                         0.000  
Slope Distance:                         523.0900

Object Type: Line

Node ID                    Northing-(Y)                    Easting-(X)                    Elevation-(Z)  
-----

204                        77123.4572                    95651.9529                    0.000  
Description:  
Field Code:                65

Node ID                    Northing-(Y)                    Easting-(X)                    Elevation-(Z)  
-----

205                        76626.2470                    95610.3224                    0.000  
Description:  
Field Code:                65

Horizontal direction:                    S04°47'10.00"W  
Zenith Angle:                            90°00'00.00"  
Horizontal Distance                      498.9500  
Delta Elevation:                         0.000  
Slope Distance:                         498.9500

Object Type: Line

Node ID                    Northing-(Y)                    Easting-(X)                    Elevation-(Z)  
-----

205                        76626.2470                    95610.3224                    0.000  
Description:  
Field Code:                65

Node ID                    Northing-(Y)                    Easting-(X)                    Elevation-(Z)  
-----

206                        76271.1591                    95677.5721                    0.000  
Description:  
Field Code:                65

Horizontal direction:                    S10°43'27.00"E  
Zenith Angle:                            90°00'00.00"

=====  
Horizontal Distance           361.4000  
Delta Elevation:               0.000  
Slope Distance:                361.4000

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
206	76271.1591	95677.5721	0.000
Description:			
Field Code:	65		

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
207	76271.1591	95521.5721	0.000
Description:	DNR Monument R49		
Field Code:	65		

Horizontal direction:           N90°00'00.00"W  
Zenith Angle:                   90°00'00.00"  
Horizontal Distance           156.0000  
Delta Elevation:               0.000  
Slope Distance:                156.0000

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
207	76271.1591	95521.5721	0.000
Description:	DNR Monument R49		
Field Code:	65		

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
208	75138.2843	95644.4109	0.000
Description:			
Field Code:	65		

Horizontal direction:           S06°11'18.47"E  
Zenith Angle:                   90°00'00.00"  
Horizontal Distance           1139.5151  
Delta Elevation:               0.000  
Slope Distance:                1139.5151

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
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=====  
208                    75138.2843                    95644.4109                    0.000  
Description:  
Field Code:            65

Node ID                Northing-(Y)                Easting-(X)                Elevation-(Z)  
-----

209                    75145.1569                    95499.5739                    0.000  
Description:            DNR Monument R50  
Field Code:            65

Horizontal direction:                    N87°17'00.00"W  
Zenith Angle:                            90°00'00.00"  
Horizontal Distance                      145.0000  
Delta Elevation:                        0.000  
Slope Distance:                         145.0000

Object Type: Line

Node ID                Northing-(Y)                Easting-(X)                Elevation-(Z)  
-----

209                    75145.1569                    95499.5739                    0.000  
Description:            DNR Monument R50  
Field Code:            65

Node ID                Northing-(Y)                Easting-(X)                Elevation-(Z)  
-----

210                    74269.5600                    95559.4401                    0.000  
Description:  
Field Code:            65

Horizontal direction:                    S03°54'40.80"E  
Zenith Angle:                            90°00'00.00"  
Horizontal Distance                      877.6411  
Delta Elevation:                        0.000  
Slope Distance:                         877.6411

Object Type: Line

Node ID                Northing-(Y)                Easting-(X)                Elevation-(Z)  
-----

210                    74269.5600                    95559.4401                    0.000  
Description:  
Field Code:            65

Node ID                Northing-(Y)                Easting-(X)                Elevation-(Z)  
-----

211                    74275.1528                    95441.5727                    0.000  
Description:            DNR Monument R51

=====  
Field Code: 65

Horizontal direction: N87°17'00.00"W  
Zenith Angle: 90°00'00.00"  
Horizontal Distance 118.0000  
Delta Elevation: 0.000  
Slope Distance: 118.0000

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
211	74275.1528	95441.5727	0.000
Description:	DNR Monument R51		
Field Code:	65		

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
212	73209.5383	95362.2324	0.000
Description:			
Field Code:	65		

Horizontal direction: S04°15'29.16"W  
Zenith Angle: 90°00'00.00"  
Horizontal Distance 1068.5641  
Delta Elevation: 0.000  
Slope Distance: 1068.5641

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
212	73209.5383	95362.2324	0.000
Description:			
Field Code:	65		

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
213	73214.0410	95267.3392	0.000
Description:	DNR Monument R52		
Field Code:	65		

Horizontal direction: N87°17'00.00"W  
Zenith Angle: 90°00'00.00"  
Horizontal Distance 95.0000  
Delta Elevation: 0.000  
Slope Distance: 95.0000

=====  
Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
213	73214.0410	95267.3392	0.000
Description:	DNR Monument R52		
Field Code:	65		

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
214	72352.6429	95257.5165	0.000
Description:	Point of Termination		
Field Code:	65		

Horizontal direction: S00°39'11.98"W  
Zenith Angle: 90°00'00.00"  
Horizontal Distance: 861.4541  
Delta Elevation: 0.000  
Slope Distance: 861.4541

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
214	72352.6429	95257.5165	0.000
Description:	Point of Termination		
Field Code:	65		

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
215	72355.1550	95204.5760	0.000
Description:	DNR Monument R53		
Field Code:	65		

Horizontal direction: N87°17'00.00"W  
Zenith Angle: 90°00'00.00"  
Horizontal Distance: 53.0000  
Delta Elevation: 0.000  
Slope Distance: 53.0000

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
215	72355.1550	95204.5760	0.000
Description:	DNR Monument R53		
Field Code:	65		

```
=====
Node ID          Northing-(Y)      Easting-(X)      Elevation-(Z)
-----
216              70673.7752       95058.1821      0.000
Description:    AVS#18
Field Code:     65
```

Horizontal direction: S04°58'33.84"W  
Zenith Angle: 90°00'00.00"  
Horizontal Distance 1687.7409  
Delta Elevation: 0.000  
Slope Distance: 1687.7409

Object Type: Line

```
Node ID          Northing-(Y)      Easting-(X)      Elevation-(Z)
-----
216              70673.7752       95058.1821      0.000
Description:    AVS#18
Field Code:     65
```

```
Node ID          Northing-(Y)      Easting-(X)      Elevation-(Z)
-----
217              65449.5614       94450.0493      0.000
Description:    AVS#19
Field Code:     65
```

Horizontal direction: S06°38'23.00"W  
Zenith Angle: 90°00'00.00"  
Horizontal Distance 5259.4900  
Delta Elevation: 0.000  
Slope Distance: 5259.4900

Object Type: Line

```
Node ID          Northing-(Y)      Easting-(X)      Elevation-(Z)
-----
217              65449.5614       94450.0493      0.000
Description:    AVS#19
Field Code:     65
```

```
Node ID          Northing-(Y)      Easting-(X)      Elevation-(Z)
-----
218              61313.4047       93811.2167      0.000
Description:    AVS#20
Field Code:     65
```

Horizontal direction: S08°46'48.00"W  
Zenith Angle: 90°00'00.00"

=====  
Horizontal Distance                   4185.2000  
Delta Elevation:                    0.000  
Slope Distance:                     4185.2000

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
218	61313.4047	93811.2167	0.000
Description:	AVS#20		
Field Code:	65		

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
219	58566.1437	93305.9948	0.000
Description:	AVS#21		
Field Code:	65		

Horizontal direction:                S10°25'13.00"W  
Zenith Angle:                       90°00'00.00"  
Horizontal Distance                 2793.3300  
Delta Elevation:                    0.000  
Slope Distance:                     2793.3300

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
219	58566.1437	93305.9948	0.000
Description:	AVS#21		
Field Code:	65		

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
220	55926.6142	92974.1307	0.000
Description:	AVS#22		
Field Code:	65		

Horizontal direction:                S07°09'58.00"W  
Zenith Angle:                       90°00'00.00"  
Horizontal Distance                 2660.3100  
Delta Elevation:                    0.000  
Slope Distance:                     2660.3100

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
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=====  
220                    55926.6142                    92974.1307                    0.000  
Description:            AVS#22  
Field Code:            65

Node ID                Northing-(Y)                Easting-(X)                Elevation-(Z)  
-----

221                    51757.5286                    92838.5393                    0.000  
Description:            AVS#23  
Field Code:            65

Horizontal direction:                    S01°51'46.00"W  
Zenith Angle:                            90°00'00.00"  
Horizontal Distance                      4171.2900  
Delta Elevation:                         0.000  
Slope Distance:                         4171.2900

Object Type: Line

Node ID                Northing-(Y)                Easting-(X)                Elevation-(Z)  
-----

221                    51757.5286                    92838.5393                    0.000  
Description:            AVS#23  
Field Code:            65

Node ID                Northing-(Y)                Easting-(X)                Elevation-(Z)  
-----

222                    49085.7479                    92597.5169                    0.000  
Description:            AVS#24  
Field Code:            65

Horizontal direction:                    S05°09'17.00"W  
Zenith Angle:                            90°00'00.00"  
Horizontal Distance                      2682.6300  
Delta Elevation:                         0.000  
Slope Distance:                         2682.6300

Object Type: Line

Node ID                Northing-(Y)                Easting-(X)                Elevation-(Z)  
-----

222                    49085.7479                    92597.5169                    0.000  
Description:            AVS#24  
Field Code:            65

Node ID                Northing-(Y)                Easting-(X)                Elevation-(Z)  
-----

223                    46002.0465                    92610.7928                    0.000  
Description:            AVS#25

=====  
Field Code: 65

Horizontal direction: S00°14'48.00"E  
Zenith Angle: 90°00'00.00"  
Horizontal Distance 3083.7300  
Delta Elevation: 0.000  
Slope Distance: 3083.7300

Object Type: Line

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
223	46002.0465	92610.7928	0.000
Description:	AVS#25		
Field Code:	65		

Node ID	Northing-(Y)	Easting-(X)	Elevation-(Z)
224	40573.3670	91959.9916	0.000
Description:	USCGS Triangulation Station "Point"		
Field Code:	65		

Horizontal direction: S06°50'10.00"W  
Zenith Angle: 90°00'00.00"  
Horizontal Distance 5467.5500  
Delta Elevation: 0.000  
Slope Distance: 5467.5500