

Naples Beach ECL
Collier Co.
COLLIER COUNTY

BOARD OF TRUSTEES OF THE INTERNAL IMPROVEMENT TRUST FUND
OF THE STATE OF FLORIDA

RESOLUTION

WHEREAS, Sections 161.141 through 161.211, Florida Statutes, authorize the Board of Trustees of the Internal Improvement Trust Fund of the State of Florida 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 Board of Trustees of the Internal Improvement Trust Fund of the State of Florida held a public hearing on the 14th day of July, 1995, at Naples, Florida, on the proposed Naples Beach, Collier County Erosion Control Line as surveyed by Richard J. Ewing, Professional Land Surveyor, being more particularly described in Exhibit A, attached hereto and made a part hereof; and,

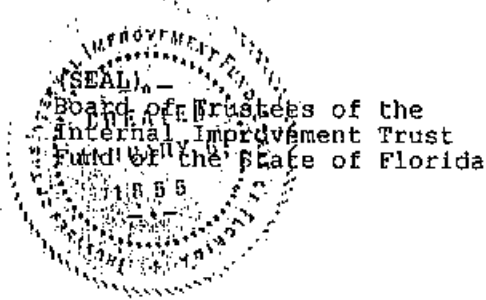
WHEREAS, the Board of Trustees of the Internal Improvement Trust Fund has examined the evidence on the merits of the proposed beach erosion project and finds that the restoration of the beach is in the interest of the public; and,

WHEREAS, all owners of lands riparian to the proposed erosion control 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 of the State of Florida has determined that all requirements of the statutes hereunto applicable have been complied within proper manner.

Based on the foregoing, the erosion control line, more particularly described in Exhibit A, is hereby approved, adopted, and certified for the purposes prescribed by Sections 161.141 through 161.211, Florida Statutes, and shall remain in effect until invalidated in accordance with the law.

Signed this the 30th day of October _____ A.D.,



BOARD OF TRUSTEES
INTERNAL IMPROVEMENT
OF THE STATE OF

By

Terry E. Wilkinson
Terry E. Wilkinson, Chief
Bureau of Survey and Mapping,
Department of Environmental
Protection, as agent for and on
behalf of the Board of Trustees
of the Internal Improvement
Trust Fund

APPROVED AS TO FORM & LEGALITY

Sandy Weisen
DEP Attorney

This Instrument prepared by
Gary F. Bishop
3900 Commonwealth Boulevard
Tallahassee, Florida 32309

EXHIBIT A
NAPLES BEACH
COLLIER COUNTY
EROSION CONTROL LINE

THE EROSION CONTROL LINE LIES ALONG THE GULF OF MEXICO, IN COLLIER COUNTY, FLORIDA IN SECTIONS 28 AND 33, TOWNSHIP 49 SOUTH, RANGE 25 EAST AND SECTIONS 4, 9, AND 16, TOWNSHIP 50 SOUTH, RANGE 25 EAST, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

500 COMMENCING AT PERMANENT REFERENCE MONUMENT 64-78-A-12 AS SHOWN ON THE COASTAL CONSTRUCTION CONTROL LINE PLAT OF COLLIER COUNTY, RECORDED ON JULY 29, 1980 IN COASTAL SETBACK LINE BOOK 1, PAGES 13 THROUGH 25 OF THE PUBLIC RECORDS OF COLLIER COUNTY, FLORIDA, RUN S 501 14°10'33"E 263.16 FEET TO AN INTERSECTION OF THE SOUTH EDGE OF THE SOUTH ROCK JETTY OF DOCTORS PASS AND THE MEAN HIGH WATER LINE OF THE GULF OF MEXICO SAID POINT BEING THE POINT OF BEGINNING; THENCE ALONG SAID MEAN WATER LINE ELEVATION (1.46 FEET N.G.V.D. 1929)

502 S38°47'27"E 40.37 FEET; THENCE S31°49'31"E 54.15 FEET; THENCE 503 S24°26'38"E 155.16 FEET; THENCE S21°44'50"E 78.04 FEET; THENCE S 504 28°07'47"E 64.05 FEET; THENCE S20°30'00"E 97.53 FEET; THENCE S 505 17°17'54"E 108.30 FEET; THENCE S24°25'09"E 71.52 FEET; THENCE 506 S16°16'22"E 78.52 FEET; THENCE S11°53'29"E 84.70 FEET; THENCE 507 S47°49'50"E 18.46 FEET; THENCE S24°20'35"E 95.26 FEET; THENCE 508 S23°38'47"E 92.10 FEET; THENCE S41°28'15"E 79.48 FEET; THENCE 509 S11°01'25"E 116.02 FEET; THENCE S15°10'59"E 108.45 FEET; THENCE 510 S17°56'11"E 101.89 FEET; THENCE S16°22'09"E 104.63 FEET; THENCE 511 S32°24'38"E 15.04 FEET; THENCE S11°22'49"E 107.76 FEET; THENCE 512 S13°24'45"E 101.11 FEET; THENCE S28°56'57"E 17.07 FEET; THENCE 513 S17°43'08"E 46.98 FEET; THENCE S12°45'05"E 82.62 FEET; THENCE 514 S09°25'48"E 78.55 FEET; THENCE S09°01'00"E 67.79 FEET; THENCE 515 S35°36'24"E 22.97 FEET; THENCE S12°08'41"E 149.02 FEET; THENCE 516 S31°27'46"E 78.87 FEET; THENCE S27°45'48"W 50.00 FEET; THENCE 517 S68°00'54"E 42.84 FEET; THENCE S20°34'24"E 83.88 FEET; THENCE 518 S08°52'02"E 156.28 FEET; THENCE S10°04'21"E 149.49 FEET; THENCE 519 S49°15'30"E 25.62 FEET; THENCE S13°41'21"E 85.97 FEET; THENCE 520 S09°15'31"E 93.29 FEET; THENCE S43°39'19"E 17.05 FEET; THENCE 521 S10°14'11"E 64.55 FEET; THENCE S05°46'21"E 97.53 FEET; THENCE CONTINUE ALONG SAID MEAN HIGH WATER LINE (1.54 FEET N.G.V.D. 1929)

522 S02°43'26"E 107.94 FEET; THENCE S04°29'40"E 57.22 FEET; THENCE 523 S00°44'58"E 93.87 FEET; THENCE S53°43'16"E 23.16 FEET; THENCE 524 S24°34'49"E 17.40 FEET; THENCE S16°20'36"E 65.84 FEET; THENCE 525 S05°20'44"E 50.42 FEET; THENCE S01°48'38"E 85.59 FEET; THENCE 526 S71°33'33"E 33.35 FEET; THENCE S35°04'00"E 21.35 FEET; THENCE 527 S29°15'34"E 20.73 FEET; THENCE S14°46'03"E 123.64 FEET; THENCE 528 S12°29'06"E 75.03 FEET; THENCE S09°40'12"E 152.44 FEET; THENCE 529 S07°53'07"E 151.20 FEET; THENCE S07°02'44"E 148.30 FEET; THENCE 530 S06°21'48"E 146.96 FEET; THENCE S06°17'04"E 73.39 FEET; THENCE 531 S03°46'57"E 75.35 FEET; THENCE S01°24'51"E 71.90 FEET; THENCE 532 S07°50'10"E 87.07 FEET; THENCE S01°17'15"E 161.54 FEET; THENCE 533 S05°56'25"E 34.78 FEET; THENCE S32°40'01"E 15.93 FEET; THENCE 534 S16°43'58"E 40.83 FEET; THENCE S11°22'34"E 55.92 FEET; THENCE 535 S04°36'48"E 56.06 FEET; THENCE S01°57'43"E 60.40 FEET; THENCE 536 S05°45'14"E 32.70 FEET; THENCE S10°20'29"E 41.69 FEET; THENCE 537 S16°40'58"E 77.63 FEET; THENCE S05°37'31"E 106.87 FEET; THENCE 538 S11°56'23"E 40.44 FEET; THENCE S23°21'01"E 15.63 FEET; THENCE 539 S20°18'01"E 40.82 FEET; THENCE S12°02'06"E 44.09 FEET; THENCE 540 S06°40'12"E 39.33 FEET; THENCE S09°43'22"E 39.28 FEET; THENCE 541 S40°56'19"E 21.12 FEET; THENCE S16°28'46"E 63.77 FEET; THENCE 542 S07°52'11"E 47.94 FEET; THENCE S10°41'49"E 52.54 FEET; THENCE 543 S40°38'54"E 29.32 FEET; THENCE S21°41'37"E 57.40 FEET; THENCE 544 S07°46'34"E 55.27 FEET; THENCE S05°15'22"E 95.37 FEET; THENCE 545 S06°12'00"E 44.95 FEET; THENCE S04°28'10"E 52.33 FEET; THENCE 546 S02°34'35"E 55.11 FEET; THENCE S07°16'03"E 68.46 FEET; THENCE 547 S18°45'59"E 21.06 FEET; THENCE S14°12'17"E 39.47 FEET; THENCE 548 S07°46'21"E 52.32 FEET; THENCE S07°36'08"E 49.42 FEET; THENCE 549 S06°22'17"E 52.51 FEET; THENCE S13°52'04"E 19.04 FEET; THENCE 550 S16°48'42"E 53.28 FEET; THENCE S08°22'17"E 53.18 FEET; THENCE 551 S05°14'39"E 56.54 FEET; THENCE S07°07'07"E 28.70 FEET; THENCE 552 S54°21'18"E 16.35 FEET; THENCE S27°56'57"E 25.11 FEET; THENCE 553 S62°33'04"E 12.32 FEET TO THE WESTERLY FACE OF A CONCRETE SEAWALL; THENCE ALONG SAID SEAWALL S09°19'21"E 188.00 FEET; THENCE

600 S10°06'10"E 48.75 FEET; THENCE S13°36'12"E 26.21 FEET; THENCE
 601 S24°24'55"E 20.00 FEET; THENCE S35°55'15"E 19.54 FEET; THENCE
 LEAVING SAID SEAWALL S47°22'21"E 8.92 FEET; THENCE S21°53'17"E
 10.32 FEET; THENCE S12°41'43"E 53.79 FEET; THENCE S09°03'24"E
 235.18 FEET; THENCE S04°28'19"E 103.28 FEET; THENCE S07°31'17"E
 55.61 FEET; THENCE S14°52'52"E 64.42 FEET; THENCE S07°45'26"E 97.35
 FEET; THENCE S05°12'06"E 101.11 FEET; THENCE S00°28'56"W 83.84 FEET
 TO THE NORTHERLY FACE OF A WOOD SEAWALL; THENCE ALONG SAID SEAWALL
 602 N89°22'18"W 6.75 FEET; THENCE S06°39'00"E 166.93 FEET; THENCE
 LEAVING SAID SEAWALL S48°52'33"E 25.58 FEET; THENCE S10°38'34"E
 64.16 FEET; THENCE S04°41'47"E 76.22 FEET; THENCE S01°30'37"E 56.62
 FEET; THENCE S00°18'03"W 26.17 FEET; THENCE S25°54'15"E 31.42 FEET;
 603 THENCE S14°08'45"E 41.45 FEET; THENCE S08°19'43"E 41.62 FEET;
 604 THENCE S03°41'11"E 102.31 FEET; THENCE S05°12'48"E 52.25 FEET;
 605 THENCE S02°30'40"W 91.20 FEET; THENCE S25°48'53"E 17.19 FEET;
 606 THENCE S13°11'14"E 84.96 FEET; THENCE S06°37'44"E 185.14 FEET;
 607 THENCE S05°15'38"E 181.77 FEET; THENCE S06°38'14"E 286.44 FEET;
 608 THENCE S04°51'21"E 192.80 FEET; THENCE S03°46'48"E 190.93 FEET;
 609 THENCE S02°15'40"E 171.12 FEET; THENCE S05°50'34"E 189.63 FEET;
 610 THENCE S03°16'39"W 194.30 FEET; THENCE S04°01'02"E 209.33 FEET;
 611 THENCE S04°39'59"E 188.42 FEET; THENCE S02°47'36"E 192.89 FEET;
 612 THENCE S06°46'03"E 187.77 FEET; THENCE S06°20'41"E 107.14 FEET;
 613 THENCE S04°59'47"E 145.98 FEET; THENCE S06°23'55"E 144.94 FEET;
 614 THENCE S12°33'10"E 173.24 FEET; THENCE S08°29'47"E 90.29 FEET;
 615 THENCE S08°39'02"E 196.04 FEET; THENCE S08°08'36"E 186.76 FEET;
 616 THENCE S08°24'13"E 190.59 FEET; THENCE S07°21'49"E 125.21 FEET;
 617 THENCE S05°04'03"E 153.83 FEET; THENCE S07°02'39"E 194.53 FEET;
 618 THENCE S05°21'37"E 194.25 FEET; THENCE S08°42'54"E 187.97 FEET;
 619 THENCE S05°53'59"E 164.22 FEET; THENCE S06°06'06"E 195.40 FEET;
 620 THENCE S06°12'50"E 180.69 FEET; THENCE S06°06'09"E 208.23 FEET;
 621 THENCE S05°27'23"E 196.75 FEET; THENCE S06°38'36"E 180.11 FEET;
 622 THENCE S06°04'43"E 224.13 FEET; THENCE S03°03'01"E 194.66 FEET;
 623 THENCE S04°46'39"E 149.31 FEET; THENCE 02°15'03"E 198.44 FEET;
 624 THENCE S03°42'21"E 193.72 FEET; THENCE S03°27'04"E 187.06 FEET;
 625 THENCE S02°23'55"W 147.78 FEET; THENCE S11°54'11"E 38.91 FEET;
 626 THENCE S34°10'38"E 119.49 FEET; THENCE S07°53'27"E 32.09 FEET;
 627 THENCE S13°45'21"E 171.12 FEET; THENCE S08°08'10"E 175.87 FEET;
 628 THENCE S07°29'18"E 197.09 FEET; THENCE S06°43'08"E 198.99 FEET;
 629 THENCE S04°54'14"E 210.64 FEET; THENCE S07°00'59"E 193.37 FEET;
 630 THENCE S05°55'57"E 147.01 FEET; THENCE S11°06'16"E 139.77 FEET;
 631 THENCE S01°05'03"E 132.01 FEET; THENCE S05°40'43"E 50.52 FEET;
 632 THENCE S11°42'05"E 116.89 FEET; THENCE S05°51'50"E 121.70 FEET;
 633 THENCE S06°25'09"E 193.47 FEET; THENCE S02°27'13"E 160.53 FEET;
 634 THENCE S01°06'14"E 102.21 FEET; THENCE S02°48'56"W 95.56 FEET;
 635 THENCE S01°42'59"E 53.51 FEET; THENCE S14°17'55"E 51.09 FEET;
 636 THENCE S08°16'08"E 35.27 FEET; THENCE S05°23'20"E 151.27 FEET;
 637 THENCE S05°18'09"E 192.59 FEET; THENCE S01°34'58"E 147.33 FEET;
 638 THENCE S01°28'50"E 193.76 FEET; THENCE S02°25'51"E 100.41 FEET;
 639 THENCE S01°46'27"E 100.96 FEET; THENCE S00°05'41"W 99.35 FEET;
 640 THENCE S01°17'53"W 77.83 FEET TO AN INTERSECTION WITH THE SOUTHERLY
 LINE OF THOSE LANDS RECORDED IN OFFICIAL RECORDS BOOK 1976, PAGE
 1972 OF THE PUBLIC RECORDS OF COLLIER COUNTY, FLORIDA AND THE POINT
 OF TERMINATION OF THE HEREIN DESCRIBED LINE, SAID POINT LYING
 641 S01°15'18"E A DISTANCE OF 1911.75 FEET FROM PERMANENT REFERENCE
 MONUMENT 64-76-A15 MM, AS SHOWN ON SAID COASTAL CONSTRUCTION
 CONTROL LINE PLAT OF COLLIER COUNTY, FLORIDA.

Point	Node ID	Station	Northing- (Y)	Easting- (X)
BOP	500	0+00.0000	100000.0000	100000.0000

Direction Distance

S14°10'33.00"E 263.1600

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	501	2+63.1600	99744.8536	100064.4475

Direction Distance

S38°47'27.00"E 40.3700

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	502	3+03.5300	99713.3876	100089.7384

Direction Distance

S31°49'31.00"E 54.1500

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	503	3+57.6800	99667.3785	100118.2934

Direction Distance

S24°26'38.00"E 155.1600

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	504	5+12.8400	99526.1260	100182.4989

Direction Distance

S21°44'50.00"E 78.0400

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	505	5+90.8800	99453.6403	100211.4137

Direction Distance

S28°07'47.00"E 64.0500

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	506	6+54.9300	99397.1557	100241.6113

Direction Distance

S20°30'00.00"E 97.5300

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	507	7+52.4600	99305.8021	100275.7670

Direction Distance

S17°17'54.00"E 108.3000

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	508	8+60.7600	99202.4006	100307.9697

Direction Distance

S24°25'09.00"E 71.5200

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	509	9+32.2800	99137.2784	100337.5367

Direction Distance

S16°16'22.00"E 78.5200

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	510	10+10.8000	99061.9040	100359.5389

Direction Distance

S11°53'29.00"E 84.7000

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	511	10+95.5000	98979.0216	100376.9919

Direction Distance

S47°49'50.00"E 18.4600

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	512	11+13.9600	98966.6290	100390.6738

Direction Distance

S24°20'35.00"E 95.2600

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	513	12+09.2200	98879.8382	100429.9399

Direction Distance

S23°38'47.00"E 92.1000

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	514	13+01.3200	98795.4711	100466.8803

Direction Distance

S41°28'15.00"E 79.4800

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	515	13+80.8000	98735.9173	100519.5151

Direction Distance

S11°01'25.00"E 116.0200

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	516	14+96.8200	98622.0380	100541.6997

Direction Distance

S15°10'59.00"E 108.4500

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	517	16+05.2700	98517.3736	100570.1031

Direction Distance

S17°56'11.00"E 101.8900

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	518	17+07.1600	98420.4355	100601.4813

Direction Distance

S16°22'09.00"E 104.6300

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	519	18+11.7900	98320.0466	100630.9686

Direction Distance

S32°24'38.00"E 15.0400

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	520	18+26.8300	98307.3494	100639.0298

Direction Distance

S11°22'49.00"E 107.7600

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	521	19+34.5900	98201.7081	100660.2930

Direction Distance

S13°24'45.00"E 101.1100

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	522	20+35.7000	98103.3558	100683.7465

Direction Distance

S28°56'57.00"E 17.0700

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	523	20+52.7700	98088.4187	100692.0089

Direction Distance

S17°43'08.00"E 46.9800

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	524	20+99.7500	98043.6674	100706.3072
Direction		Distance		
S12°45'05.00"E		82.6200		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	525	21+82.3700	97963.0850	100724.5431
Direction		Distance		
S09°25'48.00"E		78.5500		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	526	22+60.9200	97885.5965	100737.4130
Direction		Distance		
S09°01'00.00"E		67.7900		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	527	23+28.7100	97818.6442	100748.0371
Direction		Distance		
S35°36'24.00"E		22.9700		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	528	23+51.6800	97799.9689	100761.4107
Direction		Distance		
S12°08'41.00"E		149.0200		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	529	25+00.7000	97654.2840	100792.7618
Direction		Distance		
S31°27'46.00"E		78.8700		

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=====
Point      Node ID      Station      Northing- (Y)      Easting- (X)
-----
PI         530           25+79.5700   97587.0095         100833.9275
```

Direction Distance

S27°45'48.00"W 50.0000

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-----
Point      Node ID      Station      Northing- (Y)      Easting- (X)
-----
PI         531           26+29.5700   97542.7656         100810.6365
```

Direction Distance

S68°00'54.00"E 42.8400

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-----
Point      Node ID      Station      Northing- (Y)      Easting- (X)
-----
PI         532           26+72.4100   97526.7278         100850.3613
```

Direction Distance

S20°34'24.00"E 83.8800

```
-----
Point      Node ID      Station      Northing- (Y)      Easting- (X)
-----
PI         533           27+56.2900   97448.1974         100879.8372
```

Direction Distance

S08°52'02.00"E 156.2800

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-----
Point      Node ID      Station      Northing- (Y)      Easting- (X)
-----
PI         534           29+12.5700   97293.7853         100903.9270
```

Direction Distance

S10°04'21.00"E 149.4900

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-----
Point      Node ID      Station      Northing- (Y)      Easting- (X)
-----
PI         535           30+62.0600   97146.5993         100930.0719
```

Direction Distance

S49°15'30.00"E 25.6200

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=====  
Point      Node ID      Station      Northing- (Y)      Easting- (X)  
-----  
PI         536             30+87.6800      97129.8784          100949.4832
```

```
Direction      Distance  
-----  
S13°41'21.00"E  85.9700
```

```
Point      Node ID      Station      Northing- (Y)      Easting- (X)  
-----  
PI         537             31+73.6500      97046.3505          100969.8284
```

```
Direction      Distance  
-----  
S09°15'31.00"E  93.2900
```

```
Point      Node ID      Station      Northing- (Y)      Easting- (X)  
-----  
PI         538             32+66.9400      96954.2759          100984.8379
```

```
Direction      Distance  
-----  
S43°39'19.00"E  17.0500
```

```
Point      Node ID      Station      Northing- (Y)      Easting- (X)  
-----  
PI         539             32+83.9900      96941.9401          100996.6078
```

```
Direction      Distance  
-----  
S10°14'11.00"E  64.5500
```

```
Point      Node ID      Station      Northing- (Y)      Easting- (X)  
-----  
PI         540             33+48.5400      96878.4175          101008.0789
```

```
Direction      Distance  
-----  
S05°46'21.00"E  97.5300
```

```
Point      Node ID      Station      Northing- (Y)      Easting- (X)  
-----  
PI         541             34+46.0700      96781.3821          101017.8884
```

```
Direction      Distance  
-----  
S02°43'26.00"E  107.9400
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Point	Node ID	Station	Northing-(Y)	Easting-(X)
PI	542	35+54.0100	96673.5640	101023.0180
Direction		Distance		
S04°29'40.00"E		57.2200		
Point	Node ID	Station	Northing-(Y)	Easting-(X)
PI	543	36+11.2300	96616.5200	101027.5019
Direction		Distance		
S00°44'58.00"E		93.8700		
Point	Node ID	Station	Northing-(Y)	Easting-(X)
PI	544	37+05.1000	96522.6580	101028.7297
Direction		Distance		
S53°43'16.00"E		23.1600		
Point	Node ID	Station	Northing-(Y)	Easting-(X)
PI	545	37+28.2600	96508.9539	101047.4001
Direction		Distance		
S24°34'49.00"E		17.4000		
Point	Node ID	Station	Northing-(Y)	Easting-(X)
PI	546	37+45.6600	96493.1307	101054.6379
Direction		Distance		
S16°20'36.00"E		65.8400		
Point	Node ID	Station	Northing-(Y)	Easting-(X)
PI	547	38+11.5000	96429.9511	101073.1648
Direction		Distance		
S05°20'44.00"E		50.4200		

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=====
Point      Node ID      Station      Northing- (Y)      Easting- (X)
-----
PI         548             38+61.9200    96379.7504         101077.8620
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Direction      Distance
-----
S01°48'38.00"E  85.5900
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Point      Node ID      Station      Northing- (Y)      Easting- (X)
-----
PI         549             39+47.5100    96294.2031         101080.5663
```

```
Direction      Distance
-----
S71°33'33.00"E  33.3500
```

```
Point      Node ID      Station      Northing- (Y)      Easting- (X)
-----
PI         550             39+80.8600    96283.6537         101112.2038
```

```
Direction      Distance
-----
S35°04'00.00"E  21.3500
```

```
Point      Node ID      Station      Northing- (Y)      Easting- (X)
-----
PI         551             40+02.2100    96266.1790         101124.4700
```

```
Direction      Distance
-----
S29°15'34.00"E  28.7300
```

```
Point      Node ID      Station      Northing- (Y)      Easting- (X)
-----
PI         552             40+30.9400    96241.1145         101138.5122
```

```
Direction      Distance
-----
S14°46'03.00"E  123.6400
```

```
Point      Node ID      Station      Northing- (Y)      Easting- (X)
-----
PI         553             41+54.5800    96121.5586         101170.0277
```

```
Direction      Distance
-----
S12°29'06.00"E  75.0300
```

Point	Node ID	Station	Northing-(Y)	Easting-(X)
PI	554	42+29.6100	96048.3029	101186.2480
Direction		Distance		
S09°40'12.00"E		152.4400		
Point	Node ID	Station	Northing-(Y)	Easting-(X)
PI	555	43+82.0500	95898.0288	101211.8538
Direction		Distance		
S07°53'07.00"E		151.2000		
Point	Node ID	Station	Northing-(Y)	Easting-(X)
PI	556	45+33.2500	95748.2584	101232.5969
Direction		Distance		
S07°02'44.00"E		148.3000		
Point	Node ID	Station	Northing-(Y)	Easting-(X)
PI	557	46+81.5500	95601.0782	101250.7872
Direction		Distance		
S06°21'48.00"E		146.9600		
Point	Node ID	Station	Northing-(Y)	Easting-(X)
PI	558	48+28.5100	95455.0237	101267.0752
Direction		Distance		
S06°17'04.00"E		73.3900		
Point	Node ID	Station	Northing-(Y)	Easting-(X)
PI	559	49+01.9000	95382.0747	101275.1088
Direction		Distance		
S03°46'57.00"E		75.3500		

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	560	49+77.2500	95306.8888	101280.0796

Direction Distance

S01°24'51.00"E 71.9000

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	561	50+49.1500	95235.0107	101281.8540

Direction Distance

S07°50'10.00"E 87.0700

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	562	51+36.2200	95148.7538	101293.7251

Direction Distance

S01°17'15.00"E 161.5400

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	563	52+97.7600	94987.2546	101297.3548

Direction Distance

S05°56'25.00"E 34.7800

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	564	53+32.5400	94952.6613	101300.9543

Direction Distance

S32°40'01.00"E 15.9300

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	565	53+48.4700	94939.2511	101309.5526

Direction Distance

S16°43'58.00"E 40.8300

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	566	53+89.3000	94900.1499	101321.3079
Direction		Distance		
S11°22'34.00"E		55.9200		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	567	54+43.2200	94845.3285	101332.3380
Direction		Distance		
S04°36'48.00"E		56.0600		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	568	55+01.2800	94789.4502	101336.8469
Direction		Distance		
S01°57'43.00"E		60.4000		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	569	55+61.6800	94729.0856	101338.9148
Direction		Distance		
S05°45'14.00"E		32.7000		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	570	55+94.3800	94696.5503	101342.1931
Direction		Distance		
S10°20'29.00"E		41.6900		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	571	56+36.0700	94655.5375	101349.6770
Direction		Distance		
S16°40'58.00"E		77.6300		

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	572	57+13.7000	94581.1751	101371.9625
Direction		Distance		
S05°37'31.00"E		106.8700		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	573	58+20.5700	94474.8197	101382.4381
Direction		Distance		
S11°56'23.00"E		40.4400		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	574	58+61.0100	94435.2546	101390.8044
Direction		Distance		
S23°21'01.00"E		15.6300		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	575	58+76.6400	94420.9047	101396.9994
Direction		Distance		
S20°18'01.00"E		40.8200		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	576	59+17.4600	94382.6202	101411.1615
Direction		Distance		
S12°02'06.00"E		44.0900		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	577	59+61.5500	94339.4993	101420.3547
Direction		Distance		
S06°40'12.00"E		39.3300		

```
=====
Point      Node ID      Station      Northing- (Y)      Easting- (X)
-----
PI         578           60+00.8800   94300.4355         101424.9229
```

```
Direction      Distance
-----
S09°43'22.00"E  39.2800
```

```
Point      Node ID      Station      Northing- (Y)      Easting- (X)
-----
PI         579           60+40.1600   94261.7197         101431.5565
```

```
Direction      Distance
-----
S40°56'19.00"E  21.1200
```

```
Point      Node ID      Station      Northing- (Y)      Easting- (X)
-----
PI         580           60+61.2800   94245.7654         101445.3954
```

```
Direction      Distance
-----
S16°28'46.00"E  63.7700
```

```
Point      Node ID      Station      Northing- (Y)      Easting- (X)
-----
PI         581           61+25.0500   94184.6149         101463.4851
```

```
Direction      Distance
-----
S07°52'11.00"E  47.9400
```

```
Point      Node ID      Station      Northing- (Y)      Easting- (X)
-----
PI         582           61+72.9900   94137.1264         101470.0491
```

```
Direction      Distance
-----
S10°41'49.00"E  52.5400
```

```
Point      Node ID      Station      Northing- (Y)      Easting- (X)
-----
PI         583           62+25.5300   94085.4994         101479.8013
```

```
Direction      Distance
-----
S40°38'54.00"E  29.3200
```

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	584	62+54.8500	94063.2537	101498.9008
Direction		Distance		
S21°41'37.00"E		57.4100		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	585	63+12.2600	94009.9098	101520.1220
Direction		Distance		
S07°36'34.00"E		55.2700		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	586	63+67.5300	93955.1266	101527.4408
Direction		Distance		
S05°15'22.00"E		95.3700		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	587	64+62.9000	93860.1576	101536.1775
Direction		Distance		
S06°12'00.00"E		44.9500		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	588	65+07.8500	93815.4705	101541.0320
Direction		Distance		
S04°28'10.00"E		52.3300		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	589	65+60.1800	93763.2996	101545.1100
Direction		Distance		
S02°34'35.00"E		55.1100		

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	590	66+15.2900	93708.2453	101547.5872

Direction Distance

S07°16'03.00"E 68.4600

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	591	66+83.7500	93640.3353	101556.2476

Direction Distance

S18°45'59.00"E 21.0600

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	592	67+04.8100	93620.3949	101563.0228

Direction Distance

S14°12'17.00"E 39.4700

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	593	67+44.2800	93582.1317	101572.7082

Direction Distance

S07°46'21.00"E 52.3200

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	594	67+96.6000	93530.2924	101579.7840

Direction Distance

S07°36'08.00"E 49.4200

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	595	68+46.0200	93481.3068	101586.3220

Direction Distance

S06°22'17.00"E 52.5100

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	596	68+98.5300	93429.1211	101592.1492

Direction Distance

S13°52'04.00"E 19.8400

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	597	69+18.3700	93409.8594	101596.9045

Direction Distance

S16°48'42.00"E 53.2800

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	598	69+71.6500	93358.8565	101612.3145

Direction Distance

S08°22'17.00"E 53.1800

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	599	70+24.8300	93306.2432	101620.0569

Direction Distance

S05°14'39.00"E 56.5400

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	600	70+81.3700	93249.9398	101625.2246

Direction Distance

S07°07'07.00"E 28.7800

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	601	71+10.1500	93221.3817	101628.7912

Direction Distance

S54°21'18.00"E 16.3500

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	602	71+26.5000	93211.8535	101642.0779
Direction		Distance		
S27°56'57.00"E		25.1100		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	603	71+51.6100	93189.6723	101653.8466
Direction		Distance		
S62°33'04.00"E		12.3200		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	604	71+63.9300	93183.9933	101664.7797
Direction		Distance		
S09°19'21.00"E		188.0000		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	605	73+51.9300	92998.4763	101695.2341
Direction		Distance		
S10°06'10.00"E		48.7500		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	606	74+00.6800	92950.4822	101703.7855
Direction		Distance		
S13°36'12.00"E		26.2100		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	607	74+26.8900	92925.0075	101709.9501
Direction		Distance		
S24°24'55.00"E		20.0000		

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	608	74+46.8900	92906.7960	101718.2170
Direction		Distance		
S35°55'15.00"E		19.5400		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	609	74+66.4300	92890.9720	101729.6805
Direction		Distance		
S47°22'21.00"E		8.9200		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	610	74+75.3500	92884.9311	101736.2436
Direction		Distance		
S21°53'17.00"E		10.3200		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	611	74+85.6700	92875.3550	101740.0908
Direction		Distance		
S12°41'43.00"E		53.7900		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	612	75+39.4600	92822.8800	101751.9120
Direction		Distance		
S09°03'24.00"E		235.1800		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	613	77+74.6400	92590.6320	101788.9320
Direction		Distance		
S04°28'19.00"E		103.2800		

Point	Node ID	Station	Northing-(Y)	Easting-(X)
PI	614	78+77.9200	92487.6664	101796.9848
Direction		Distance		
S07°31'17.00"E		55.6100		
Point	Node ID	Station	Northing-(Y)	Easting-(X)
PI	615	79+33.5300	92432.5349	101804.2640
Direction		Distance		
S14°52'52.00"E		64.4200		
Point	Node ID	Station	Northing-(Y)	Easting-(X)
PI	616	79+97.9500	92370.2755	101820.8079
Direction		Distance		
S07°45'26.00"E		97.3500		
Point	Node ID	Station	Northing-(Y)	Easting-(X)
PI	617	80+95.3000	92273.8163	101833.9478
Direction		Distance		
S05°12'06.00"E		101.1100		
Point	Node ID	Station	Northing-(Y)	Easting-(X)
PI	618	81+96.4100	92173.1227	101843.1146
Direction		Distance		
S00°28'56.00"W		83.8400		
Point	Node ID	Station	Northing-(Y)	Easting-(X)
PI	619	82+80.2500	92089.2857	101842.4090
Direction		Distance		
N89°22'18.00"W		6.7500		

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	620	82+87.0000	92089.3597	101835.6594
Direction		Distance		
S06°39'00.00"E		166.9300		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	621	84+53.9300	91923.5528	101854.9906
Direction		Distance		
S48°52'33.00"E		25.5800		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	622	84+79.5100	91906.7290	101874.2596
Direction		Distance		
S10°38'34.00"E		64.1600		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	623	85+43.6700	91843.6727	101886.1090
Direction		Distance		
S04°41'47.00"E		76.2200		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	624	86+19.8900	91767.7086	101892.3496
Direction		Distance		
S01°30'37.00"E		56.6200		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	625	86+76.5100	91711.1083	101893.8419
Direction		Distance		
S00°18'03.00"W		26.1700		

```
=====
Point      Node ID      Station      Northing-(Y)      Easting-(X)
-----
PI         626             87+02.6800    91684.9387        101893.7045
```

```
Direction      Distance
-----
S25°54'15.00"E  31.4200
```

```
-----
Point      Node ID      Station      Northing-(Y)      Easting-(X)
-----
PI         627             87+34.1000    91656.6755        101907.4309
```

```
Direction      Distance
-----
S14°08'45.00"E  41.4500
```

```
-----
Point      Node ID      Station      Northing-(Y)      Easting-(X)
-----
PI         628             87+75.5500    91616.4824        101917.5608
```

```
Direction      Distance
-----
S08°19'43.00"E  41.6200
```

```
-----
Point      Node ID      Station      Northing-(Y)      Easting-(X)
-----
PI         629             88+17.1700    91575.3014        101923.5895
```

```
Direction      Distance
-----
S03°41'11.00"E  102.3100
```

```
-----
Point      Node ID      Station      Northing-(Y)      Easting-(X)
-----
PI         630             89+19.4800    91473.2031        101930.1676
```

```
Direction      Distance
-----
S05°12'48.00"E  52.2500
```

```
-----
Point      Node ID      Station      Northing-(Y)      Easting-(X)
-----
PI         631             89+71.7300    91421.1692        101934.9152
```

```
Direction      Distance
-----
S02°30'40.00"W  91.2800
```

Point	Node ID	Station	Northing-(Y)	Easting-(X)
PI	632	90+63.0100	91329.9769	101930.9160

Direction Distance

S25°48'53.00"E 17.1900

Point	Node ID	Station	Northing-(Y)	Easting-(X)
PI	633	90+80.2000	91314.5023	101938.4016

Direction Distance

S13°11'14.00"E 84.9600

Point	Node ID	Station	Northing-(Y)	Easting-(X)
PI	634	91+65.1600	91231.7827	101957.7838

Direction Distance

S06°37'44.00"E 185.1400

Point	Node ID	Station	Northing-(Y)	Easting-(X)
PI	635	93+50.3000	91047.8804	101979.1560

Direction Distance

S05°15'38.00"E 181.7700

Point	Node ID	Station	Northing-(Y)	Easting-(X)
PI	636	95+32.0700	90866.8760	101995.8216

Direction Distance

S06°38'14.00"E 286.4400

Point	Node ID	Station	Northing-(Y)	Easting-(X)
PI	637	98+18.5100	90582.3558	102028.9290

Direction Distance

S04°51'21.00"E 192.8000

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	638	100+11.3100	90390.2478	102045.2493
Direction		Distance		
S03°46'48.00"E		190.9300		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	639	102+02.2400	90199.7332	102057.8365
Direction		Distance		
S02°15'40.00"E		171.1200		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	640	103+73.3600	90028.7464	102064.5878
Direction		Distance		
S05°50'34.00"E		189.6300		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	641	105+62.9900	89840.1015	102083.8920
Direction		Distance		
S03°16'39.00"W		194.3000		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	642	107+57.2900	89646.1193	102072.7835
Direction		Distance		
S04°01'02.00"E		209.3300		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	643	109+66.6200	89437.3036	102087.4483
Direction		Distance		
S04°39'59.00"E		188.4200		

```
=====
Point      Node ID      Station      Northing- (Y)      Easting- (X)
-----
PI         644           111+55.0400      89249.5082          102102.7770
```

Direction Distance

S02°47'36.00"E 192.8900

```
-----
Point      Node ID      Station      Northing- (Y)      Easting- (X)
-----
PI         645           113+47.9300      89056.8474          102112.1772
```

Direction Distance

S06°46'03.00"E 187.7700

```
-----
Point      Node ID      Station      Northing- (Y)      Easting- (X)
-----
PI         646           115+35.7000      88870.3857          102134.3042
```

Direction Distance

S06°20'41.00"E 107.1400

```
-----
Point      Node ID      Station      Northing- (Y)      Easting- (X)
-----
PI         647           116+42.8400      88763.9019          102146.1442
```

Direction Distance

S04°59'47.00"E 145.9800

```
-----
Point      Node ID      Station      Northing- (Y)      Easting- (X)
-----
PI         648           117+88.8200      88618.4766          102158.8581
```

Direction Distance

S06°23'55.00"E 144.9400

```
-----
Point      Node ID      Station      Northing- (Y)      Easting- (X)
-----
PI         649           119+33.7600      88474.4395          102175.0109
```

Direction Distance

S12°33'10.00"E 173.2400

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	650	121+07.0000	88305.3406	102212.6627

Direction Distance

S08°29'47.00"E 90.2900

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	651	121+97.2900	88216.0415	102226.0028

Direction Distance

S08°39'02.00"E 196.0400

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	652	123+93.3300	88022.2316	102255.4887

Direction Distance

S08°08'36.00"E 186.7600

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	653	125+80.0900	87837.3548	102281.9432

Direction Distance

S08°24'13.00"E 190.5900

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	654	127+70.6800	87648.8111	102309.7971

Direction Distance

S07°21'49.00"E 125.2100

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	655	128+95.8900	87524.6338	102325.8447

Direction Distance

S05°04'03.00"E 153.8300

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	656	130+49.7200	87371.4050	102339.4324
Direction		Distance		
S07°02'39.00"E		194.5300		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	657	132+44.2500	87178.3434	102363.2885
Direction		Distance		
S05°21'37.00"E		194.2500		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	658	134+38.5000	86984.9428	102381.4349
Direction		Distance		
S08°42'54.00"E		187.9700		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	659	136+26.4700	86799.1431	102409.9161
Direction		Distance		
S05°53'59.00"E		164.2200		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	660	137+90.6900	86635.7929	102426.7959
Direction		Distance		
S06°06'06.00"E		195.4000		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	661	139+86.0900	86441.4999	102447.5655
Direction		Distance		
S06°12'50.00"E		188.6900		

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	662	141+74.7800	86253.9185	102467.9894
Direction		Distance		
S06°06'09.00"E		208.2300		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	663	143+83.0100	86046.8684	102490.1258
Direction		Distance		
S05°27'23.00"E		196.7500		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	664	145+79.7600	85851.0099	102508.8344
Direction		Distance		
S06°38'36.00"E		180.1100		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	665	147+59.8700	85672.1093	102529.6710
Direction		Distance		
S06°04'43.00"E		224.1300		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	666	149+84.0000	85449.2394	102553.4048
Direction		Distance		
S03°03'01.00"E		194.6600		
Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	667	151+78.6600	85254.8552	102563.7631
Direction		Distance		
S04°46'39.00"E		149.3100		

Point	Node ID	Station	Northing-(Y)	Easting-(X)
PI	668	153+27.9700	85106.0640	102576.1986
Direction		Distance		
S02°15'03.00"E		198.4400		
Point	Node ID	Station	Northing-(Y)	Easting-(X)
PI	669	155+26.4100	84907.7771	102583.9922
Direction		Distance		
S03°42'21.00"E		193.7200		
Point	Node ID	Station	Northing-(Y)	Easting-(X)
PI	670	157+20.1300	84714.4621	102596.5131
Direction		Distance		
S03°27'04.00"E		187.0600		
Point	Node ID	Station	Northing-(Y)	Easting-(X)
PI	671	159+07.1900	84527.7414	102607.7735
Direction		Distance		
S02°23'55.00"W		147.7800		
Point	Node ID	Station	Northing-(Y)	Easting-(X)
PI	672	160+54.9700	84380.0909	102601.5887
Direction		Distance		
S11°54'11.00"E		38.9100		
Point	Node ID	Station	Northing-(Y)	Easting-(X)
PI	673	160+93.8800	84342.0175	102609.6141
Direction		Distance		
S34°10'38.00"E		119.4900		

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	674	162+13.3700	84243.1629	102676.7382

Direction Distance

S07°53'27.00"E 32.0900

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	675	162+45.4600	84211.3768	102681.1437

Direction Distance

S13°45'21.00"E 171.1200

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	676	164+16.5800	84045.1649	102721.8334

Direction Distance

S08°08'10.00"E 175.8700

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	677	165+92.4500	83871.0651	102746.7235

Direction Distance

S07°29'18.00"E 197.0900

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	678	167+89.5400	83675.6560	102772.4091

Direction Distance

S06°43'08.00"E 198.9900

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	679	169+88.5300	83478.0326	102795.6905

Direction Distance

S04°54'14.00"E 210.6400

```
=====
Point      Node ID      Station      Northing-(Y)      Easting-(X)
-----
PI         680           171+99.1700      83268.1637         102813.6970
```

```
Direction      Distance
-----
S07°00'59.00"E  193.3700
```

```
Point      Node ID      Station      Northing-(Y)      Easting-(X)
-----
PI         681           173+92.5400      83076.2418         102837.3178
```

```
Direction      Distance
-----
S05°55'57.00"E  147.0100
```

```
Point      Node ID      Station      Northing-(Y)      Easting-(X)
-----
PI         682           175+39.5500      82930.0191         102852.5123
```

```
Direction      Distance
-----
S11°06'16.00"E  139.7700
```

```
Point      Node ID      Station      Northing-(Y)      Easting-(X)
-----
PI         683           176+79.3200      82792.8659         102879.4317
```

```
Direction      Distance
-----
S01°05'03.00"E  132.0100
```

```
Point      Node ID      Station      Northing-(Y)      Easting-(X)
-----
PI         684           178+11.3300      82660.8795         102881.9295
```

```
Direction      Distance
-----
S05°40'43.00"E  50.5200
```

```
Point      Node ID      Station      Northing-(Y)      Easting-(X)
-----
PI         685           178+61.8500      82610.6075         102886.9283
```

```
Direction      Distance
-----
S11°42'05.00"E  116.8900
```

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	686	179+78.7400	82496.1467	102910.6349

Direction Distance

S05°51'50.00"E 121.7000

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	687	181+00.4400	82375.0835	102923.0685

Direction Distance

S06°25'09.00"E 193.4700

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	688	182+93.9100	82182.8264	102944.6987

Direction Distance

S02°27'13.00"E 160.5300

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	689	184+54.4400	82022.4436	102951.5710

Direction Distance

S01°06'14.00"E 102.2100

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	690	185+56.6500	81920.2526	102953.5402

Direction Distance

S02°48'56.00"W 95.5600

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	691	186+52.2100	81824.8079	102948.8462

Direction Distance

S01°42'59.00"E 53.5100

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	692	187+05.7200	81771.3219	102950.4489

Direction Distance

S14°17'55.00"E 51.0900

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	693	187+56.8100	81721.8146	102963.0669

Direction Distance

S08°16'08.00"E 35.2700

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	694	187+92.0800	81686.9113	102968.1394

Direction Distance

S05°23'20.00"E 151.2700

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	695	189+43.3500	81536.3099	102982.3459

Direction Distance

S05°18'09.00"E 192.5900

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	696	191+35.9400	81344.5440	103000.1439

Direction Distance

S01°34'58.00"E 147.3300

Point	Node ID	Station	Northing- (Y)	Easting- (X)
PI	697	192+83.2700	81197.2702	103004.2134

Direction Distance

S01°28'50.00"E 193.7600

```
=====
Point      Node ID      Station      Northing- (Y)      Easting- (X)
-----
PI         698             194+77.0300      81003.5749         103009.2197
```

```
Direction      Distance
-----
S02°25'51.00"E  100.4100
```

```
Point      Node ID      Station      Northing- (Y)      Easting- (X)
-----
PI         699             195+77.4400      80903.2553         103013.4784
```

```
Direction      Distance
-----
S01°46'27.00"E  100.9600
```

```
Point      Node ID      Station      Northing- (Y)      Easting- (X)
-----
PI         700             196+78.4000      80802.3437         103016.6041
```

```
Direction      Distance
-----
S00°05'41.00"W  99.3500
```

```
Point      Node ID      Station      Northing- (Y)      Easting- (X)
-----
PI         701             197+77.7500      80702.9938         103016.4399
```

```
Direction      Distance
-----
S01°17'53.00"W  77.8300
```

```
Point      Node ID      Station      Northing- (Y)      Easting- (X)
-----
PI         702             198+55.5800      80625.1838         103014.6768
```

```
Direction      Distance
-----
N01°15'18.00"W  1911.7500
```

```
Point      Node ID      Station      Northing- (Y)      Easting- (X)
-----
EOP        703             217+67.3300      82536.4752         102972.8054
```