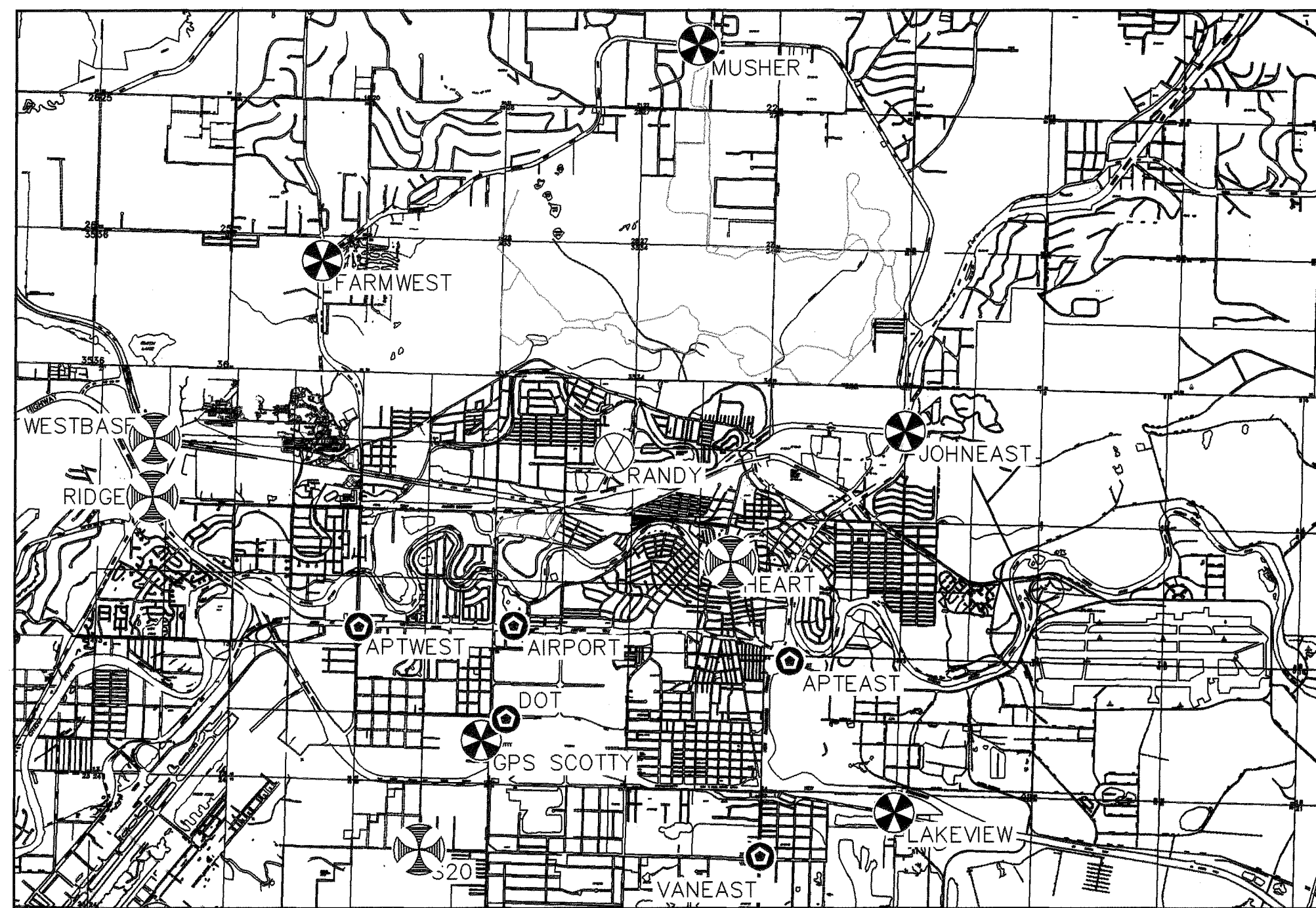
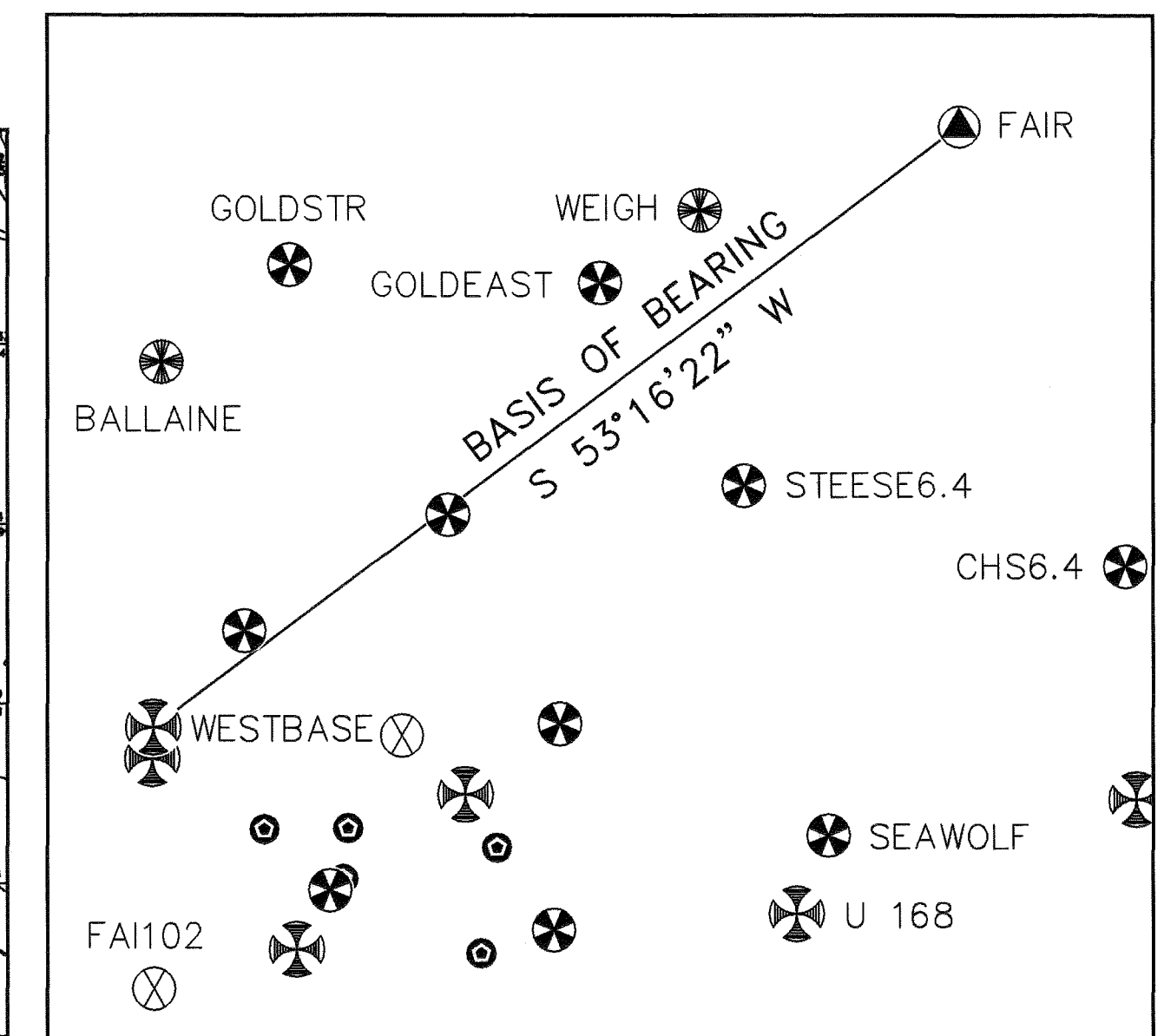
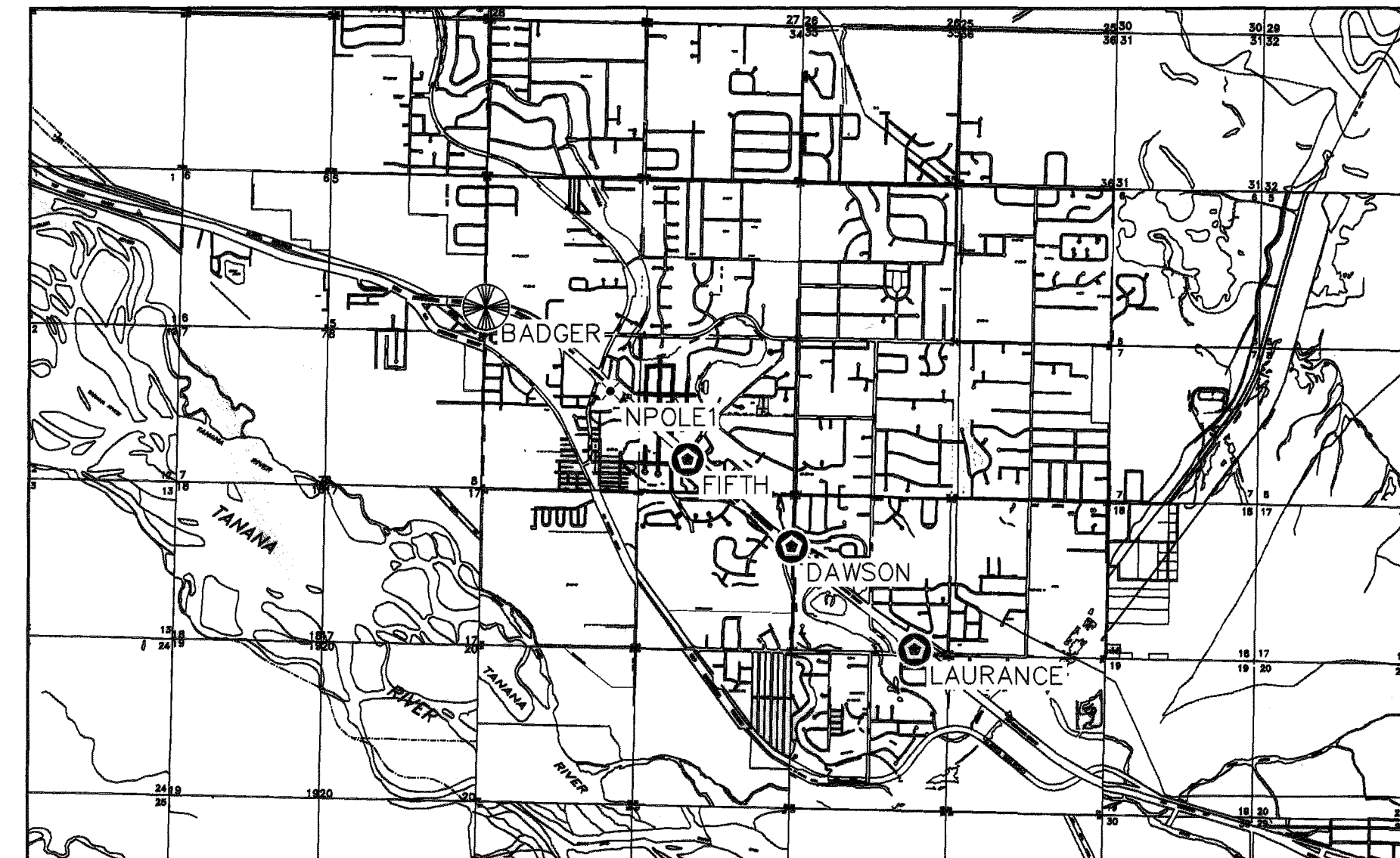
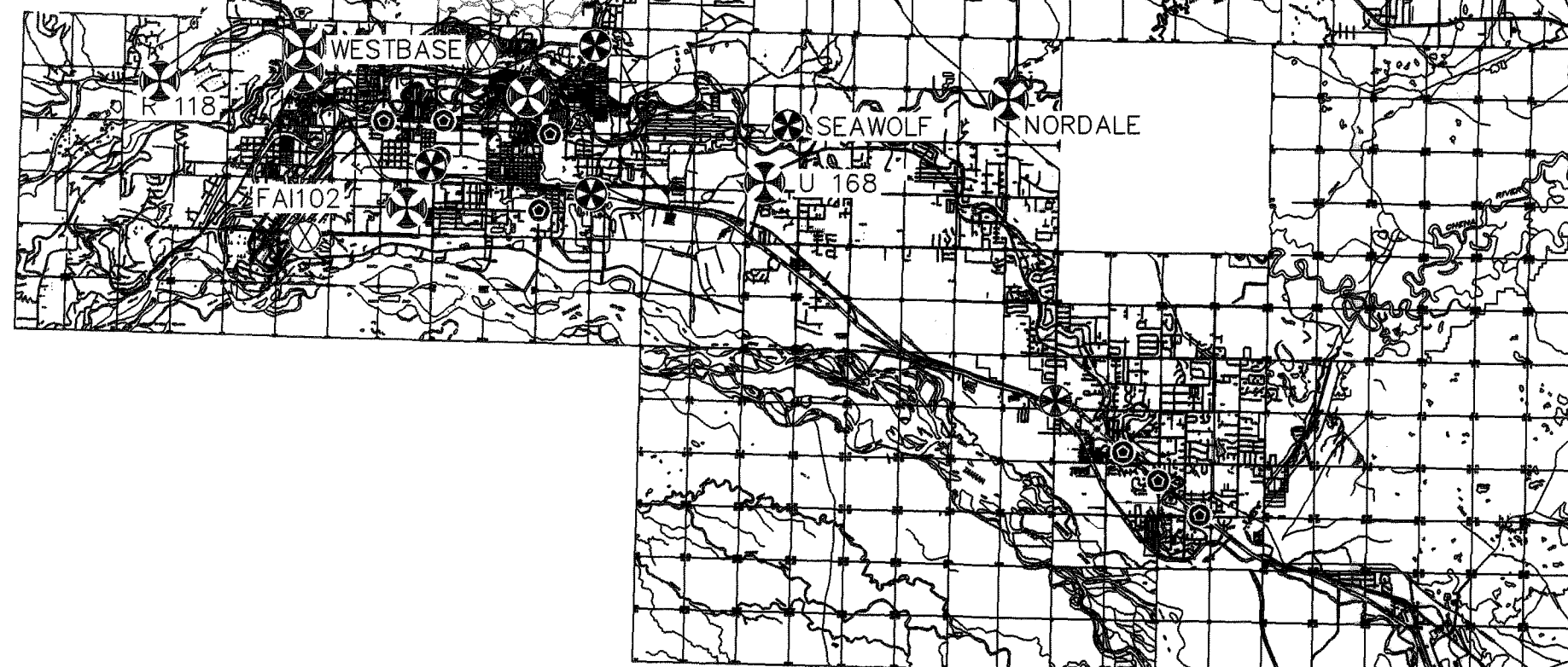
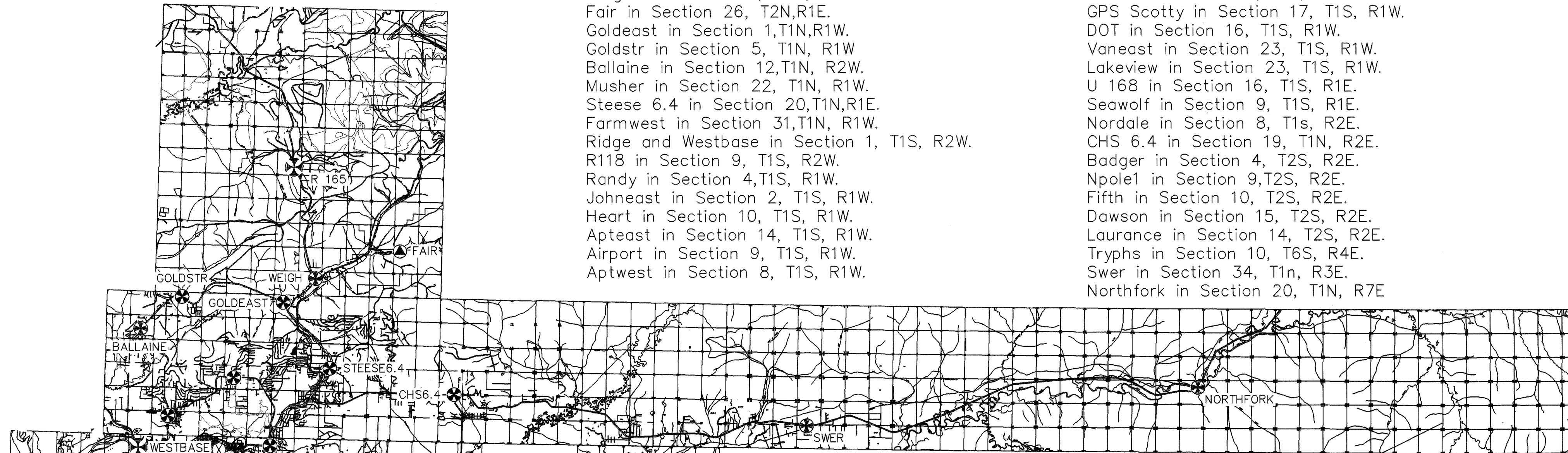
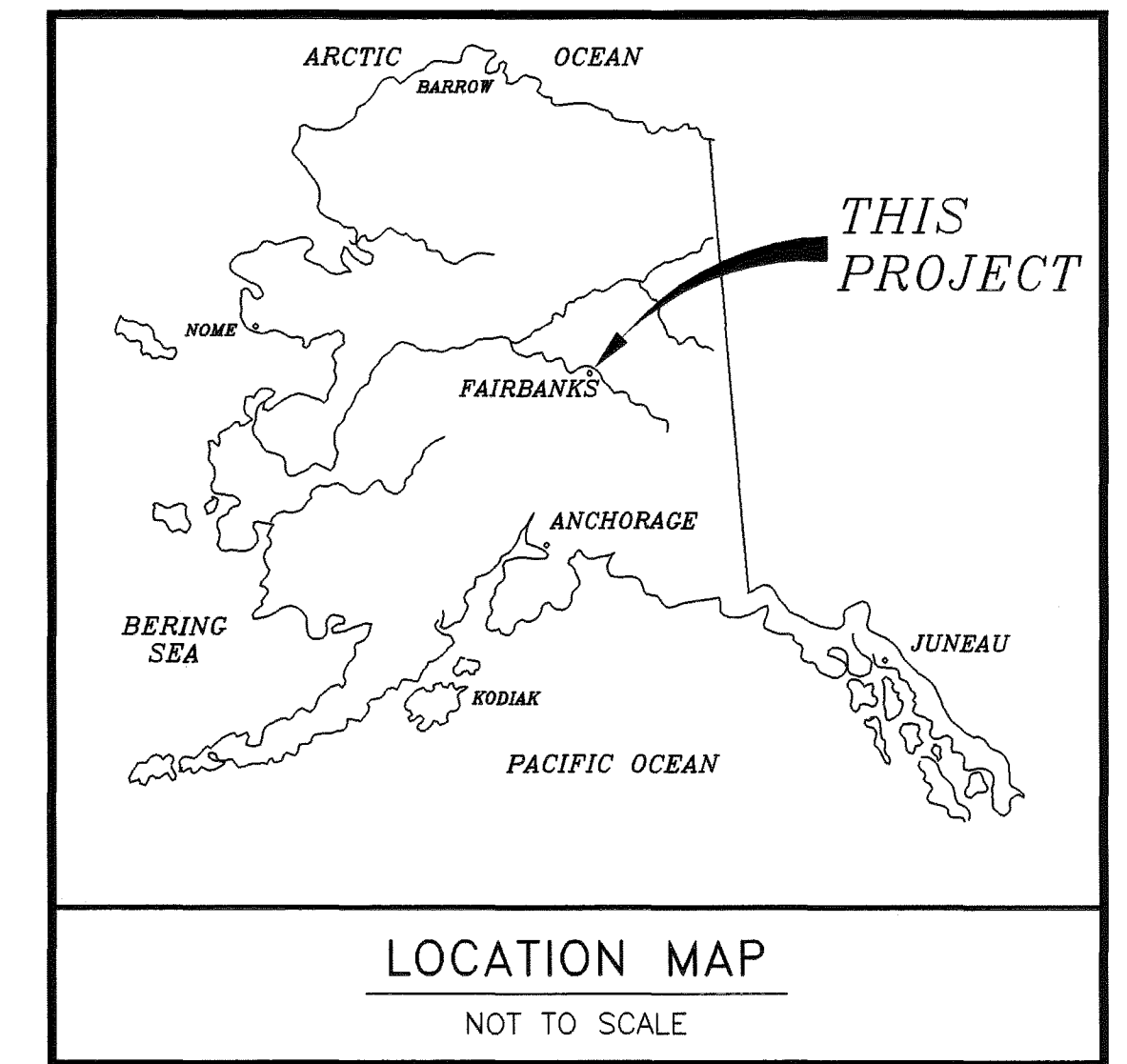


R 165 in Section 1, T2N, R1W.  
 Weigh in Section 31, T2N, R1E.  
 Fair in Section 26, T2N, R1E.  
 Goldeast in Section 1, T1N, R1W.  
 Goldstr in Section 5, T1N, R1W.  
 Ballaine in Section 12, T1N, R2W.  
 Musher in Section 22, T1N, R1W.  
 Steese 6.4 in Section 20, T1N, R1E.  
 Farmwest in Section 31, T1N, R1W.  
 Ridge and Westbase in Section 1, T1S, R2W.  
 R118 in Section 9, T1S, R2W.  
 Randy in Section 4, T1S, R1W.  
 Johneast in Section 2, T1S, R1W.  
 Heart in Section 10, T1S, R1W.  
 Apteast in Section 14, T1S, R1W.  
 Airport in Section 9, T1S, R1W.  
 Aptwest in Section 8, T1S, R1W.

FAI102 in Section 25, T1S, R1W.  
 S 20 in Section 20, T1S, R1W.  
 GPS Scotty in Section 17, T1S, R1W.  
 DOT in Section 16, T1S, R1W.  
 Vaneast in Section 23, T1S, R1W.  
 Lakeview in Section 23, T1S, R1W.  
 U 168 in Section 16, T1S, R1E.  
 Seawolf in Section 9, T1S, R1E.  
 Nordale in Section 8, T1S, R2E.  
 CHS 6.4 in Section 19, T1N, R2E.  
 Badger in Section 4, T2S, R2E.  
 Npole1 in Section 9, T2S, R2E.  
 Fifth in Section 10, T2S, R2E.  
 Dawson in Section 15, T2S, R2E.  
 Laurance in Section 14, T2S, R2E.  
 Tryphs in Section 10, T6S, R4E.  
 Swer in Section 34, T1n, R3E.  
 Northfork in Section 20, T1N, R7E.



1- BASIS OF COORDINATES ARE NAD 83 (1986) ALASKA STATE PLANE ZONE 3 NORTHING 1223686.904, EASTING 429228.005 METERS, 64° 58' 40.79569" NORTH LATITUDE, 147° 29' 57.16098" WEST LONGITUDE FOR CORS SITE "FAIR" & NORTHING 1210524.682, EASTING 411586.523 METERS, 64° 51' 20.78829 NORTH LATITUDE, 147° 51' 52.13210 WEST LONGITUDE FOR NGS TRI-STATION "CHENA WEST BASE".

2-BASIS OF BEARING IS SOUTH 53° 16' 22" WEST, ALASKA STATE PLANE ZONE 3 GRID BEARING BETWEEN CORS SITE "FAIR" AND "CHENA WEST BASE".

3-AS PER ALASKA STATUTE 38.20.010, ALL COORDINATES ARE ALASKA STATE PLANE ZONE 3 COORDINATES IN METERS. NO SCALE OR SEA LEVEL FACTORS HAVE BEEN APPLIED TO THESE COORDINATES.

4-BASIS OF VERTICAL ARE NGS LISTED ORTHOMETRIC HEIGHTS OF 149.151 METERS FOR "DIKE 24 USE", 174.450 METERS FOR "R 118", 382.622 METERS FOR "R 165", 139.41 METERS FOR "U 168 RESET", 136.047 METERS FOR "XX 12", AND 142.927 METERS FOR "CHENA WEST BASE", CONVENTIONAL LEVELS WERE RUN IN ORDER TO DETERMINE THE ORTHOMETRIC HEIGHTS FOR "JOHNEAST" & "LAURANCE" FROM "XX 12" & "DIKE 24 USE" RESPECTIVELY.

5-ELLIPSOID HEIGHTS LISTED ON SHEET 5 ARE MODIFIED TO RELATE THE GEOID SEPARATION AND ORTHOMETRIC HEIGHTS AS ADJUSTED TO THE NGS LISTED BASIS OF VERTICALS. ELLIPSOID HEIGHTS BASED ON THE "WGS 84" ELLIPSOID ARE APPROXIMATELY 1.5 METERS HIGHER.

LEGEND

- ▲ CORS SITE
- ⊗ SOA DENSIFICATION MONUMENT
- ⊗ SOA PRIMARY SET
- ⊗ NGS MONUMENT
- ⊗ MISC MONUMENT FOUND
- ⊙ REBAR AND CAP SET
- × SPIKE SET

DATE: 05/10/10

DATE OF SURVEY Beginning: 2003 Ending: 2005	NAME AND ADDRESS: Department of Transportation and Public Facilities (DOT&PF) 2301 Peger Road Fairbanks, Alaska 99709
---	---

RECORD OF SURVEY

FAIRBANKS GPS NETWORK  
 FAIRBANKS BOWL  
 within  
 FAIRBANKS MERIDIAN, ALASKA  
 FAIRBANKS RECORDING DISTRICT

DRAWN BY: RSS	SCALE: 1:5000	CHECKED BY: REW/LSJ	FILE NO.:
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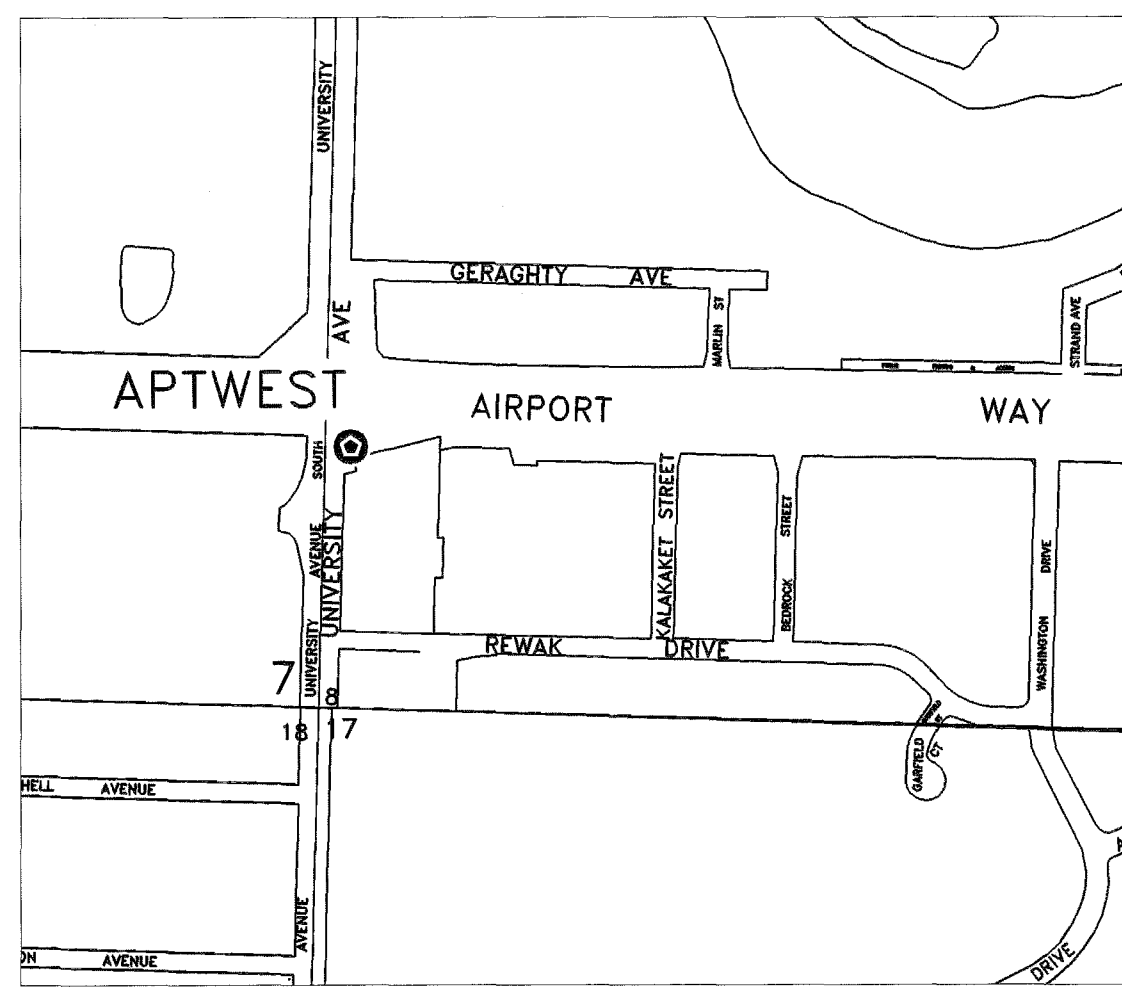
I hereby certify that I am properly Registered and Licensed to practice Land Surveying in the State of Alaska, and that this plat represents a survey made by me or under my direct supervision, and that the monuments shown hereon actually exist as described, and that all dimensions and other details are correct to the extent shown hereon.

DATE: 5-20-10 LS-8689  
 R. Scott Sexton Registration Number  
 R Scott Sexton Registered Land Surveyor

Fairbanks 2010-103

STATE BUSINESS/NO CHARGE

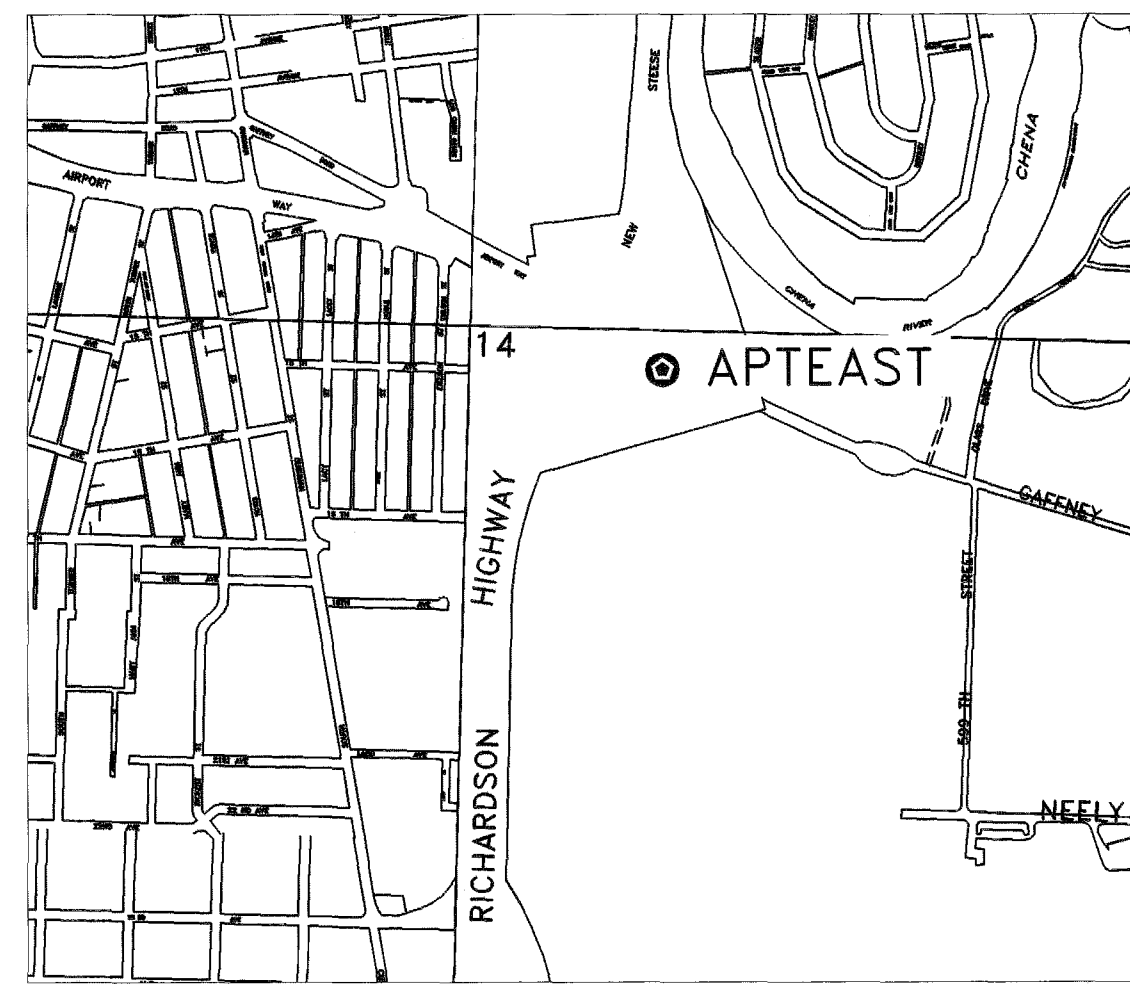
CONTROL SHEET 1 OF 5



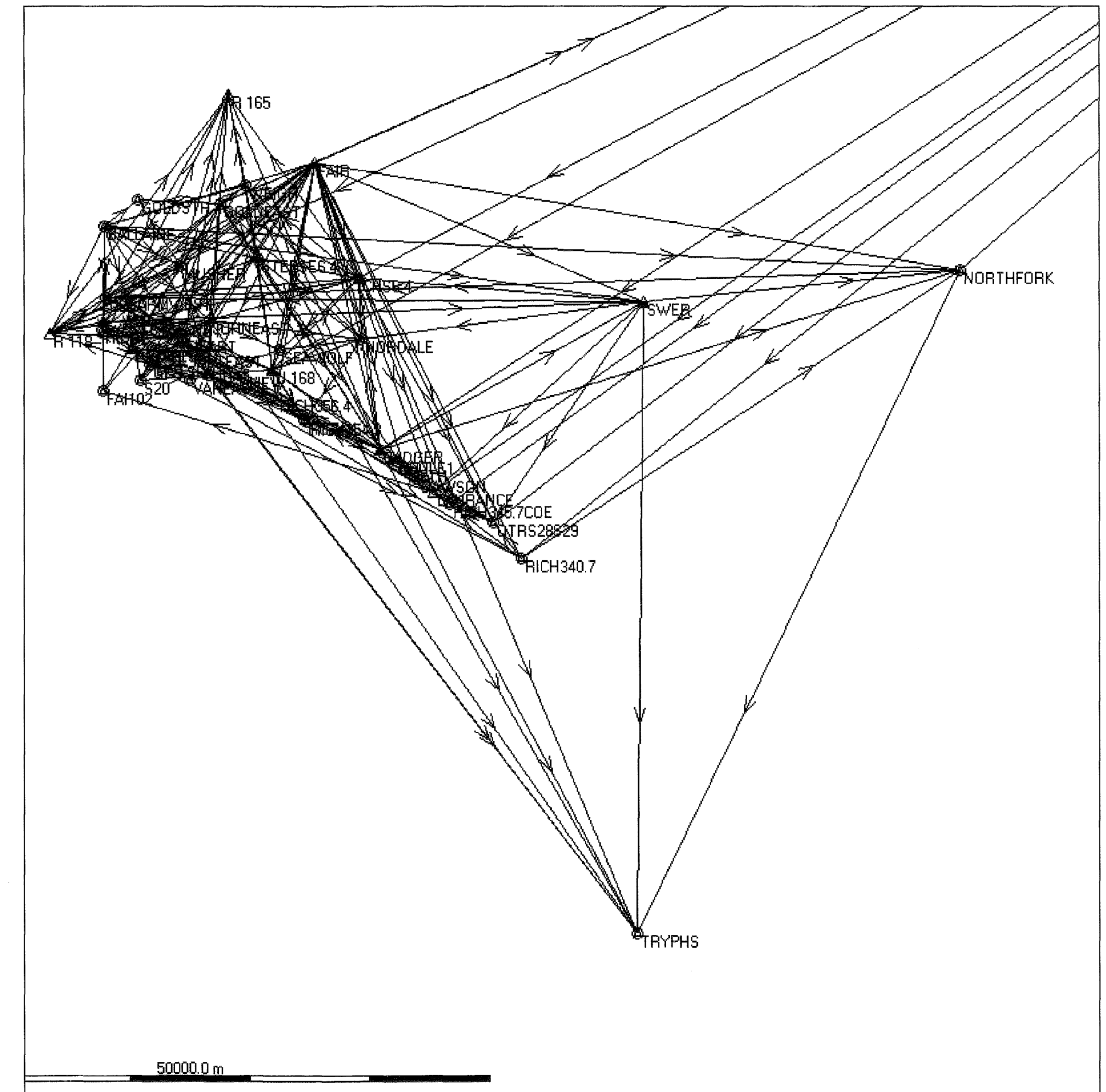
**APTWEST**  
Rebar & Cap in Culdesac North of Safeway. 6.5 meters NW of end of fence running east/west



**AIRPORT**  
Rebar & Cap at back of sidewalk at Pioneer Park. 43 Meters East of Easterly Most Approach to Pioneer Park.

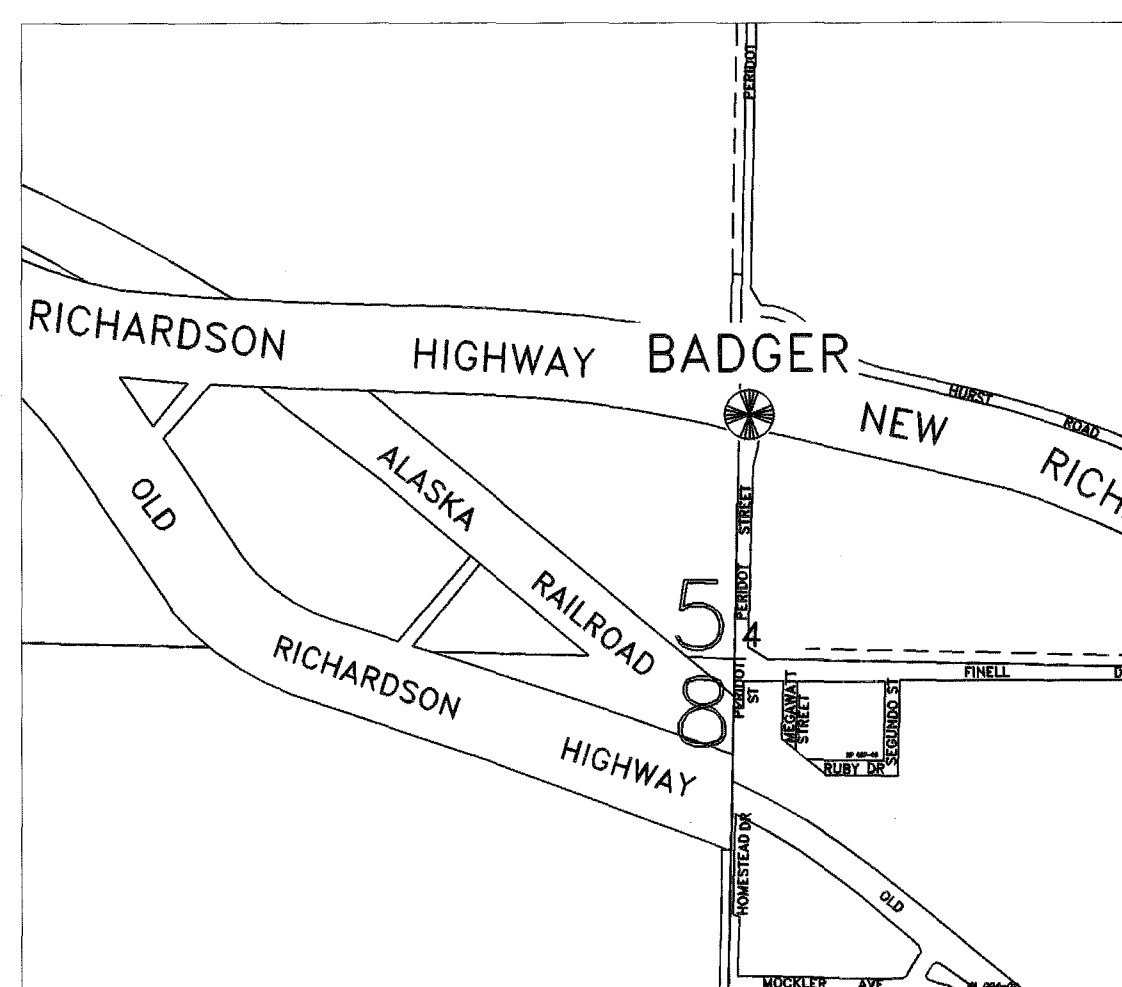


**APTEAST**  
Rebar & Cap in SE Quadrant of Richardson Hwy & Gaffeny Rd at Wainright Entrance

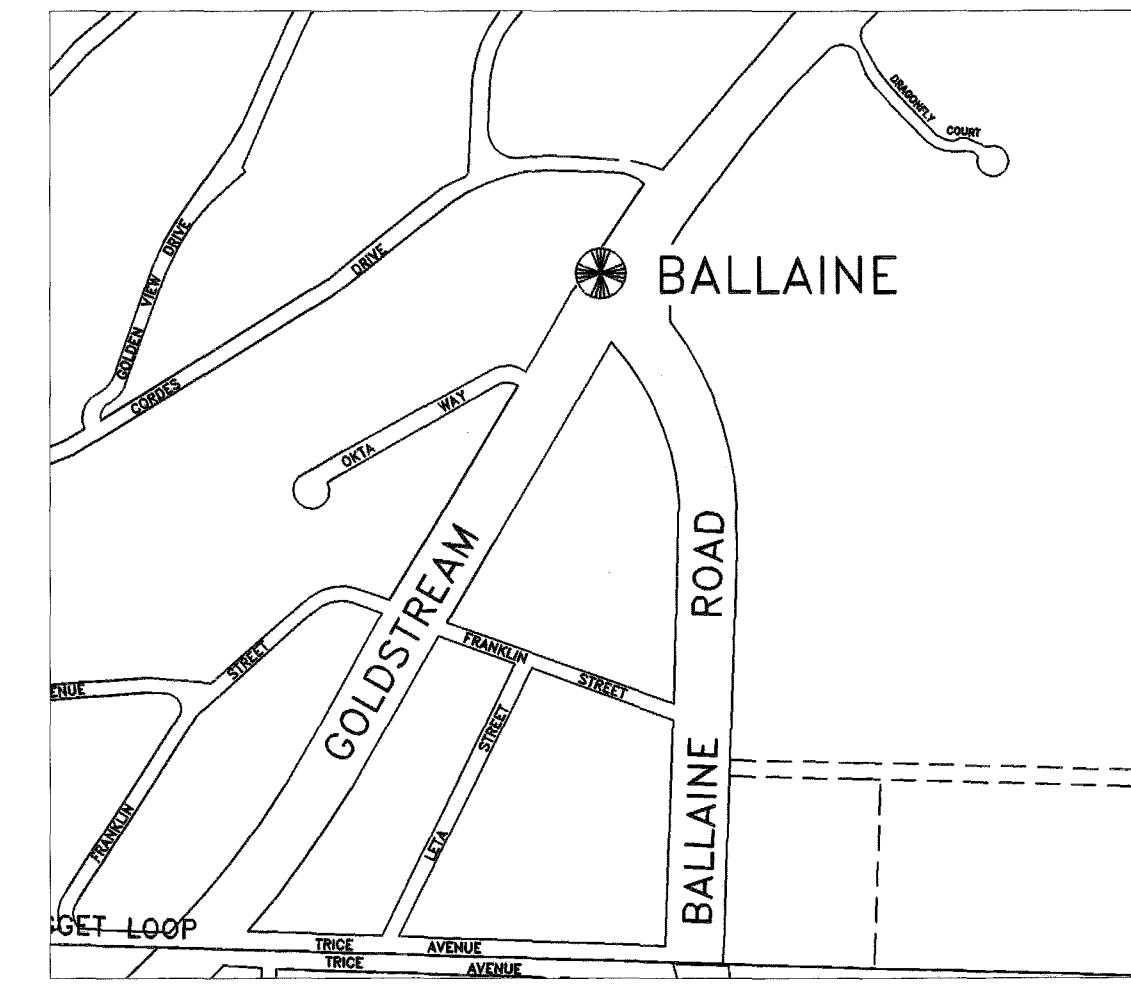


**LEGEND**

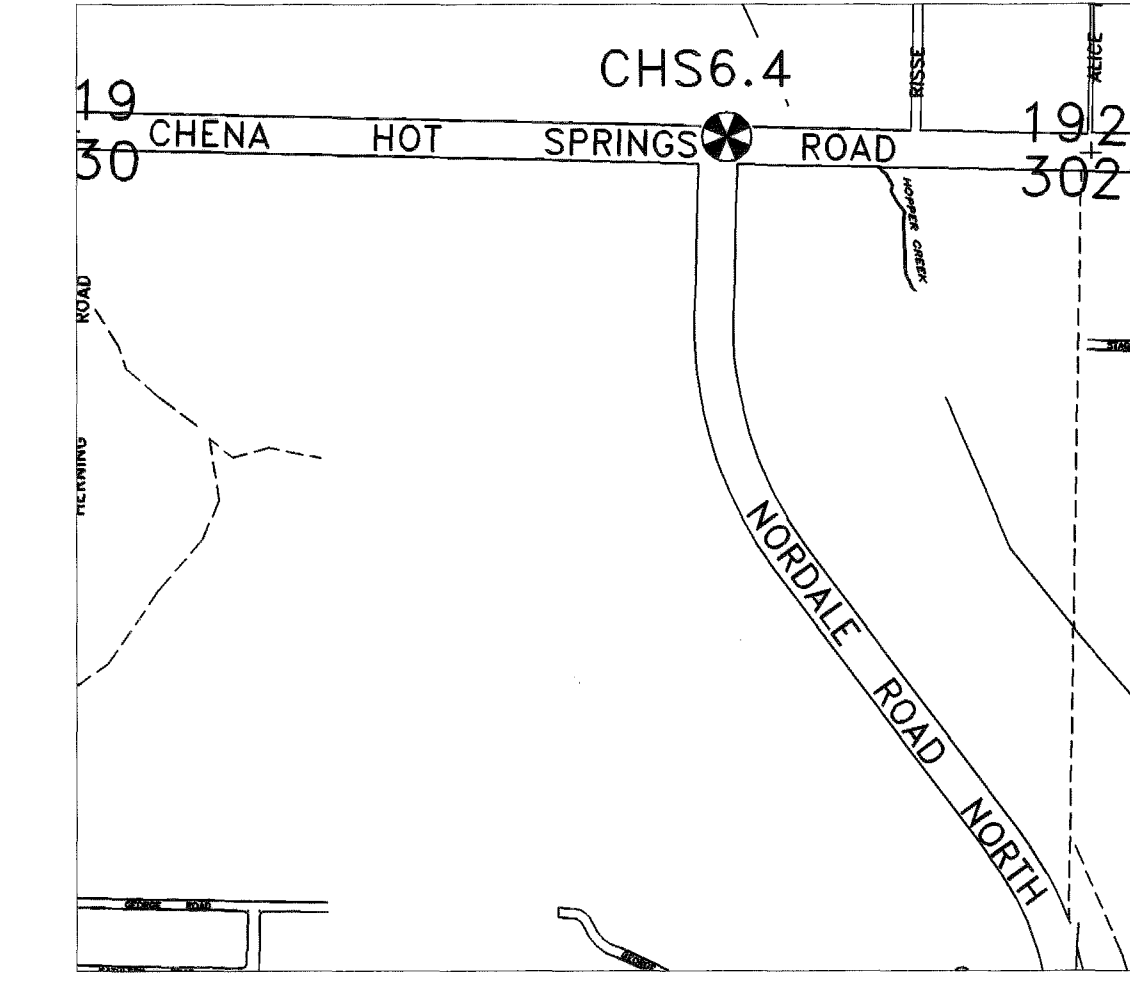
- ▲ CORS SITE
- ⊗ SOA DENSIFICATION MONUMENT
- ⊗ SOA PRIMARY SET
- ⊗ NGS MONUMENT
- ⊗ MISC MONUMENT FOUND
- ⊙ REBAR AND CAP SET
- × SPIKE SET



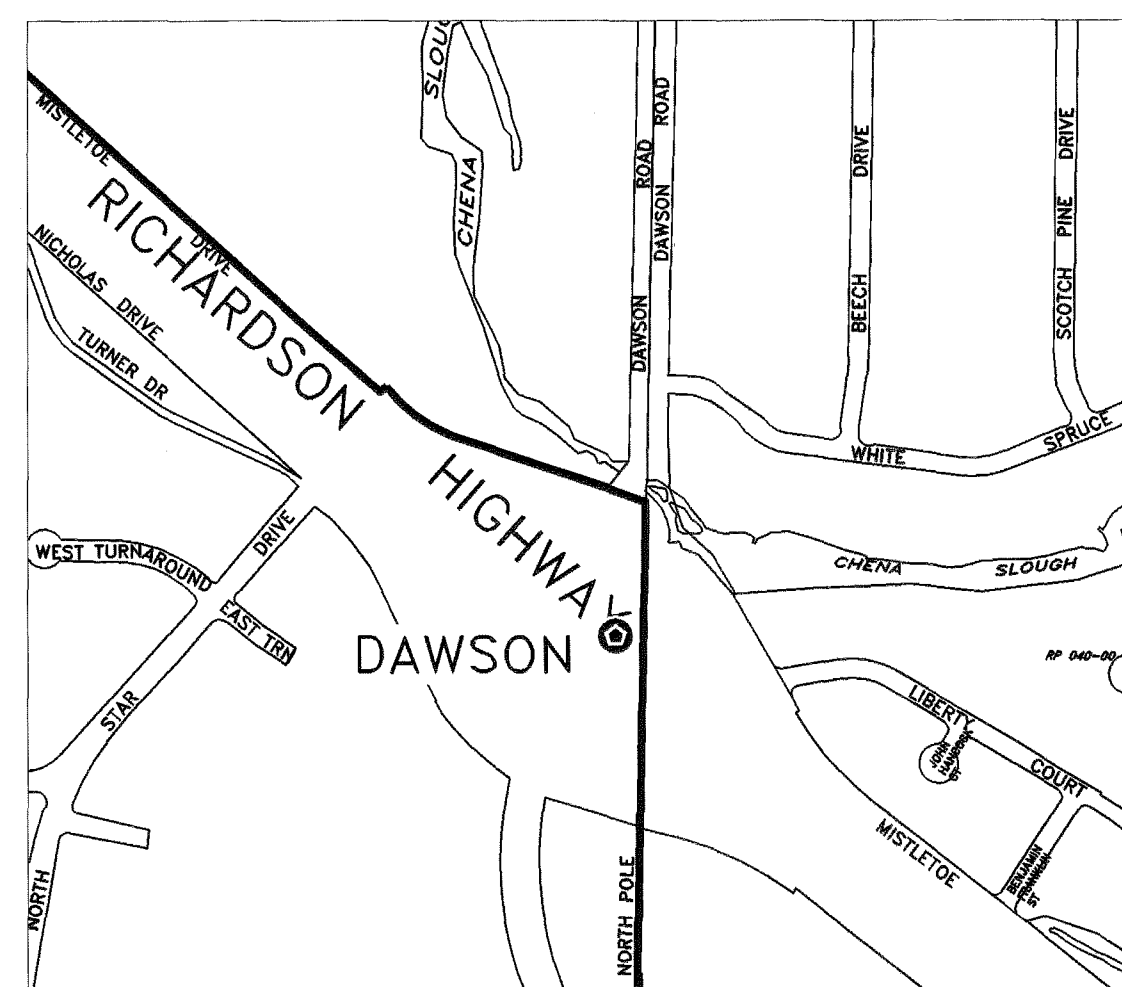
**BADGER**  
2 1/2 Inch Brass Cap with Center Post in SE quadrangle of the Richardson Hwy and Peridot Rd. in island created by Accel Lane.



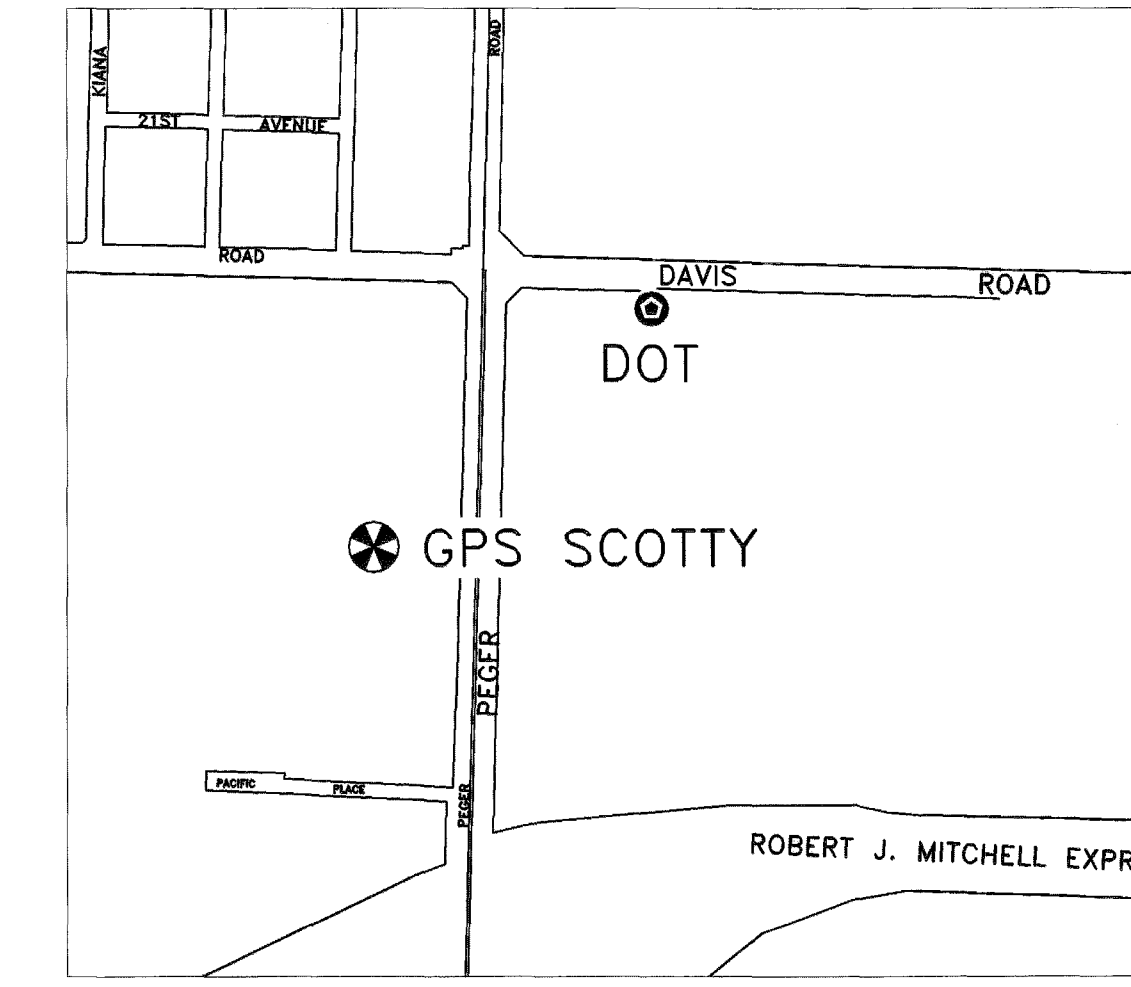
**BALLAINE**  
2 1/2 Inch Brass Cap with Center Post at the South Side of the Vallata Parking Lot 15 meters NE of Approach Centerline.



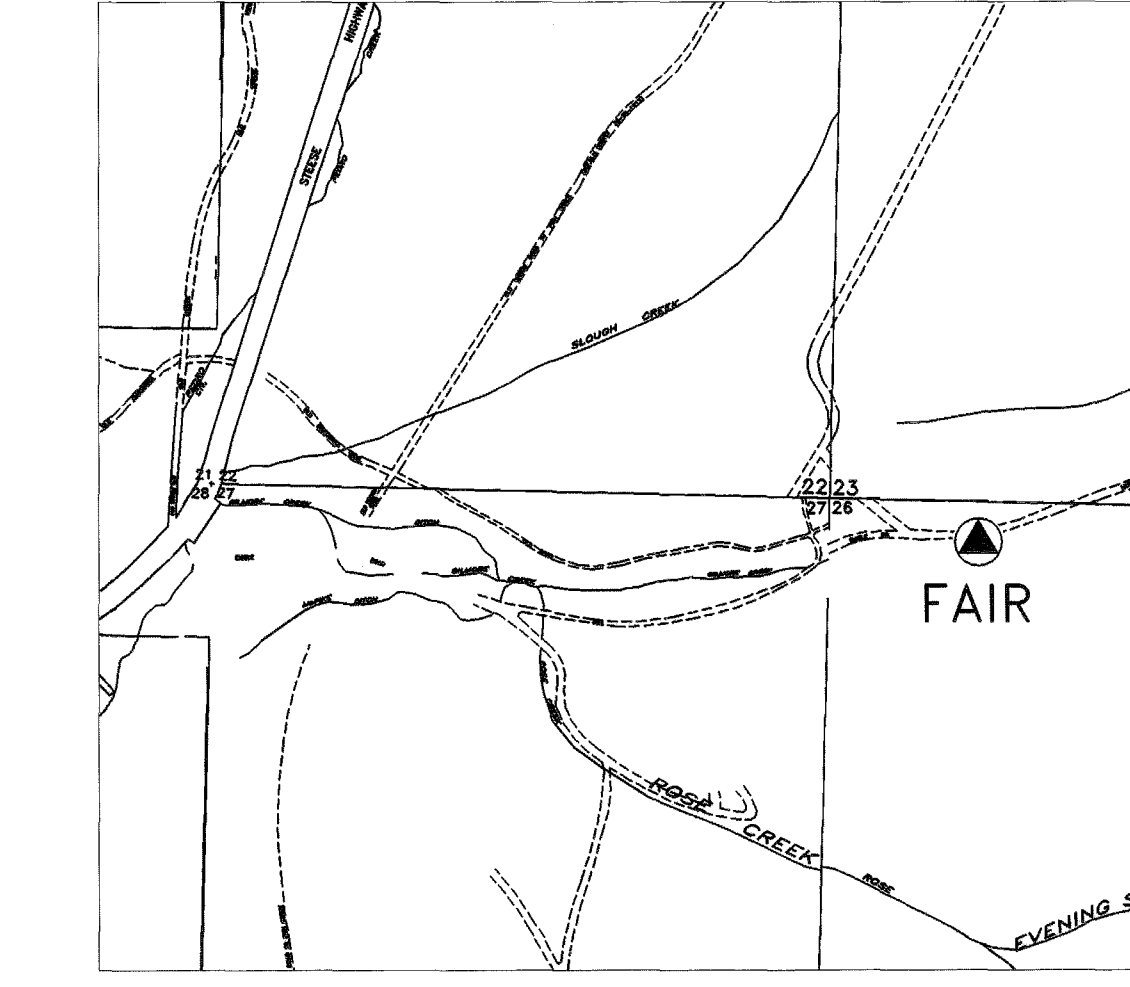
**CHS6.4**  
State of Alaska Primary Monument 14 Meters North of Chena Hot Springs Rd and 11 meters East of Nordale Intersection Sl.



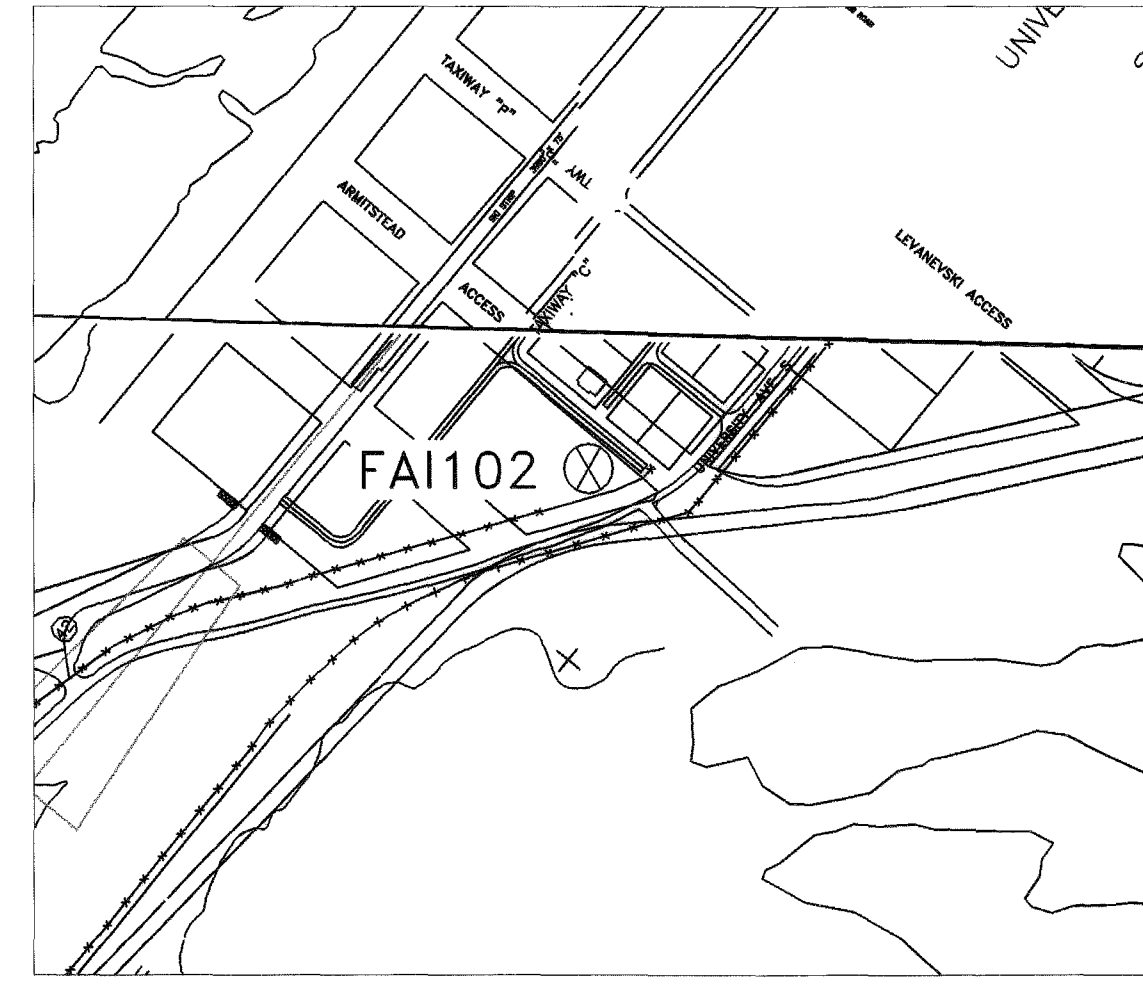
**DAWSON**  
Rebar and Cap in NE Island at the Intersection of the Richardson Hwy and Dawson Road in North Pole.



**DOT**  
Rebar and Cap between Guard Rails in North DOT Parking Lot 10 meters West of the East End of Guard Rail.  
**GPS SCOTTY**  
State of Alaska Primary Monument North of Parking Lot 15 meters East of the NW Corner at top of bank.



**FAIR**  
NGS CORS Site.  
**CENA**  
NGS CORS Site. No map available.

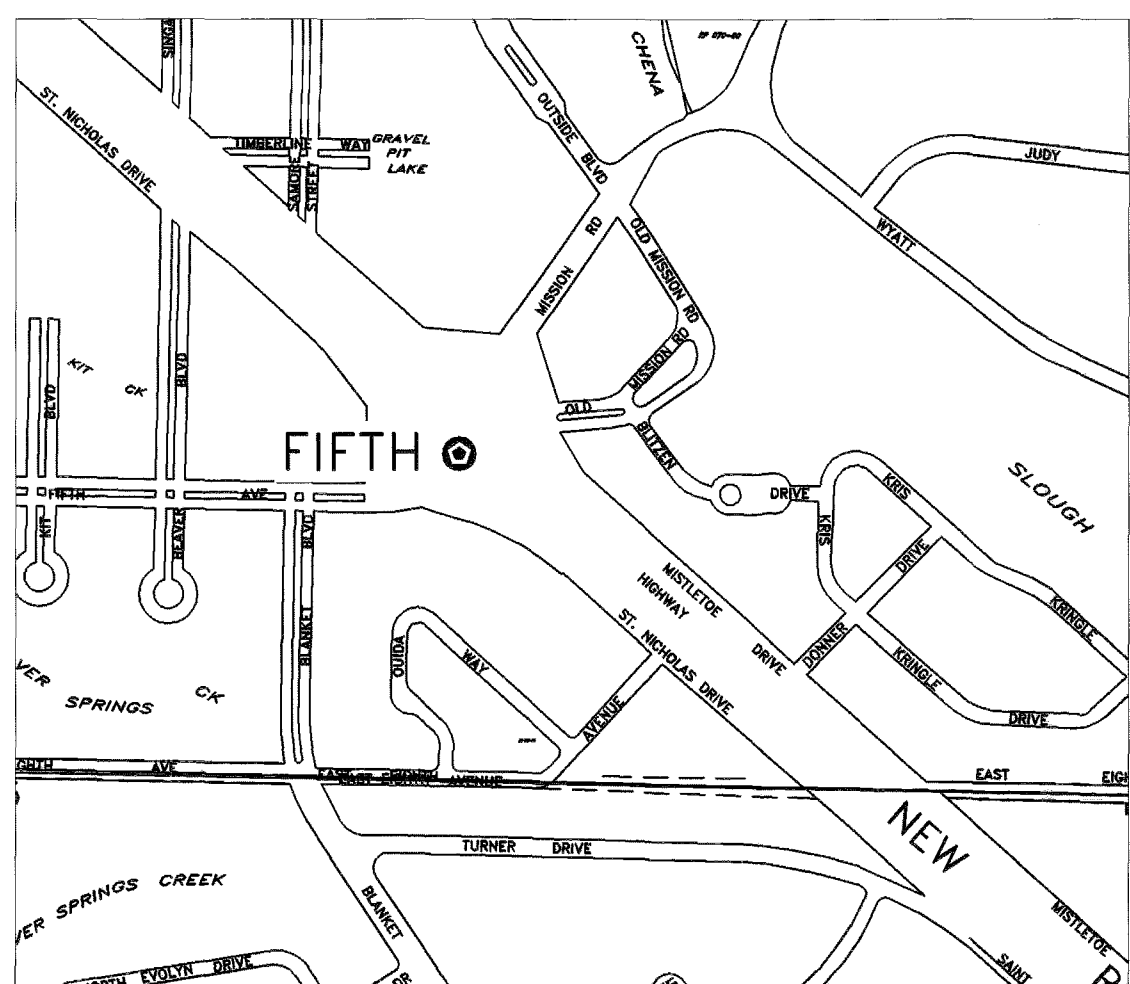


**FAI102**  
3 1/4 Inch Aluminum Cap at South End of East Ramp Aviation Lot Area at Fairbanks International Airport 23 Meters North of Fence Angle Point and 50 Meters West of Easterly Most Taxiway.

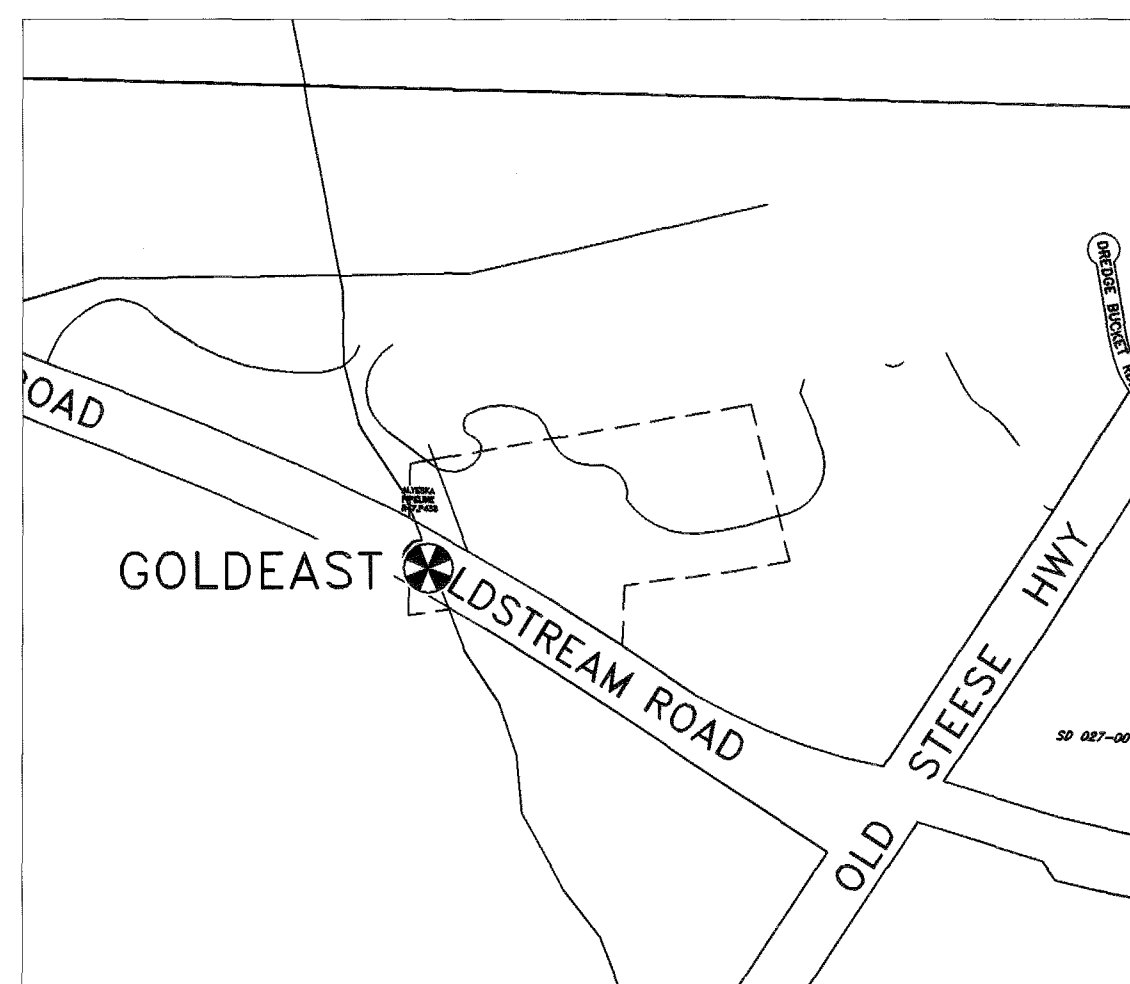
DATE OF SURVEY Beginning: 2003 Ending: 2005		NAME AND ADDRESS: Department of Transportation and Public Facilities (DOT&PF) 2301 Pejer Road Fairbanks, Alaska 99709	
<b>RECORD OF SURVEY</b>			
FAIRBANKS GPS NETWORK FAIRBANKS BOWL within FAIRBANKS MERIDIAN, ALASKA FAIRBANKS RECORDING DISTRICT			
DRAWN BY: RSS	SCALE: NTS	CHECKED BY: REW/LSJ	FILE NO.:



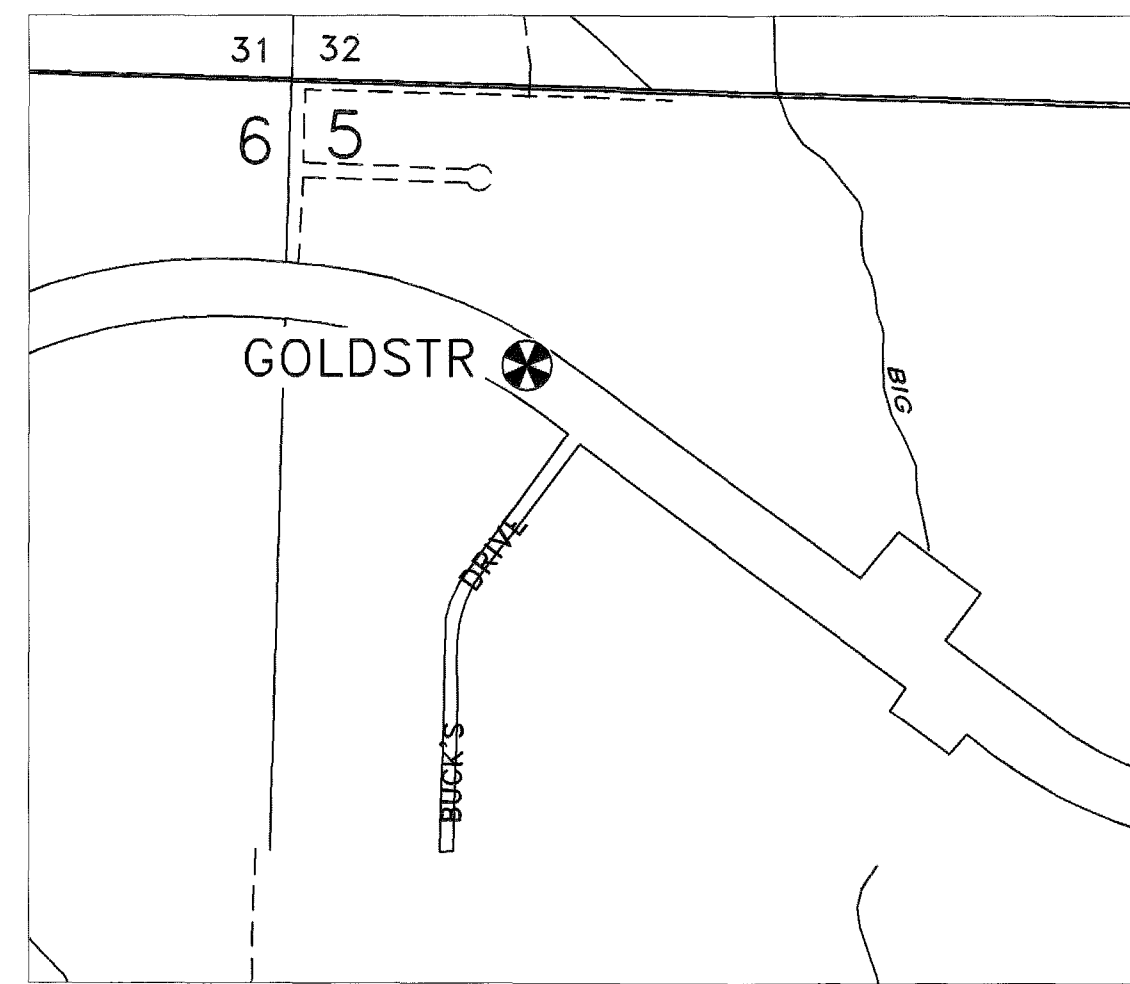
**FARMWEST**  
State of Alaska Primary Monument Set in Island Created by Ballaine Rd and Ballaine Acel Lane 5 Meters North of Farmers Loop Bike Path.



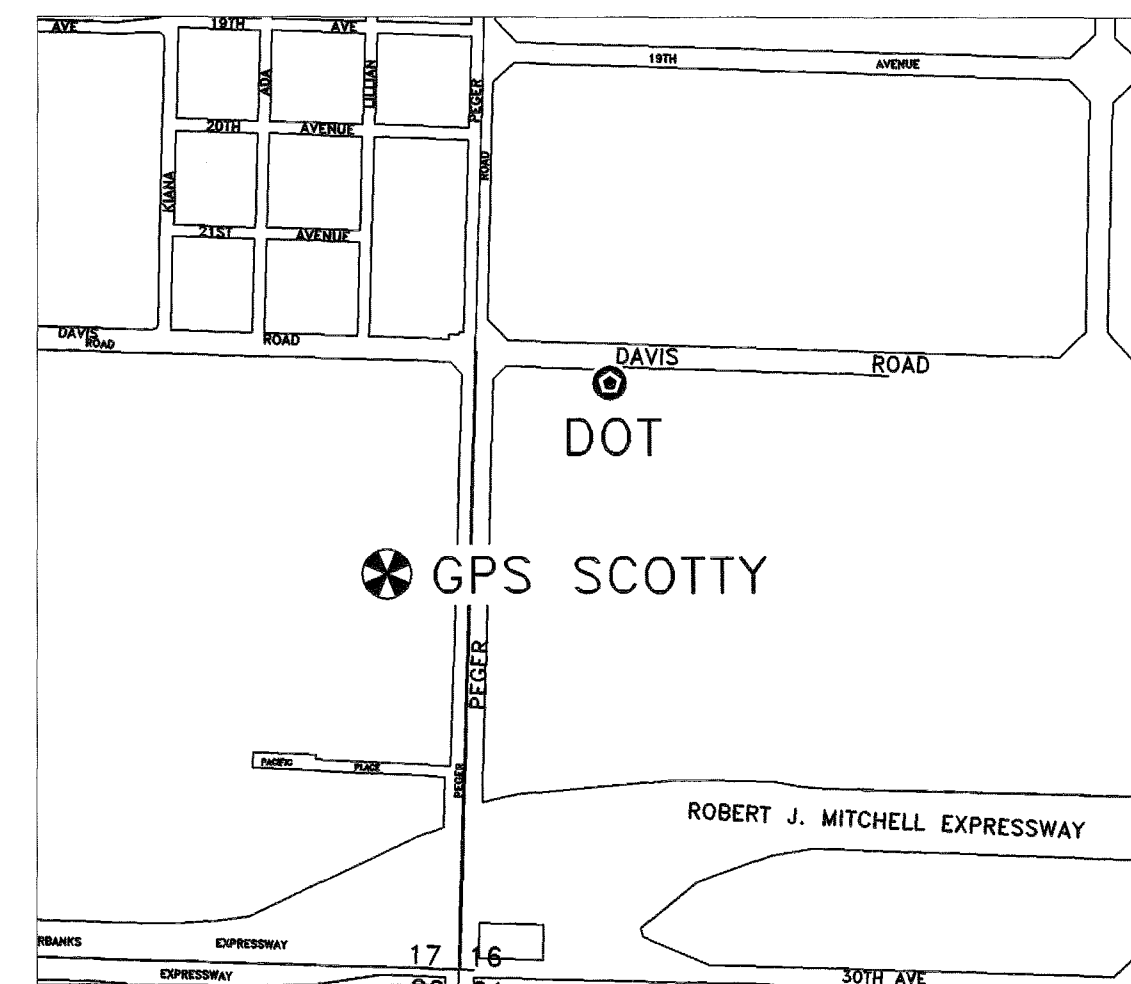
**FIFTH**  
Rebar and Cap in gravel Island 6 meters Southeast of Luninair, 5 Meters South of the Southerly Edge of Pavemant at Fifth Avenue in North Pole.



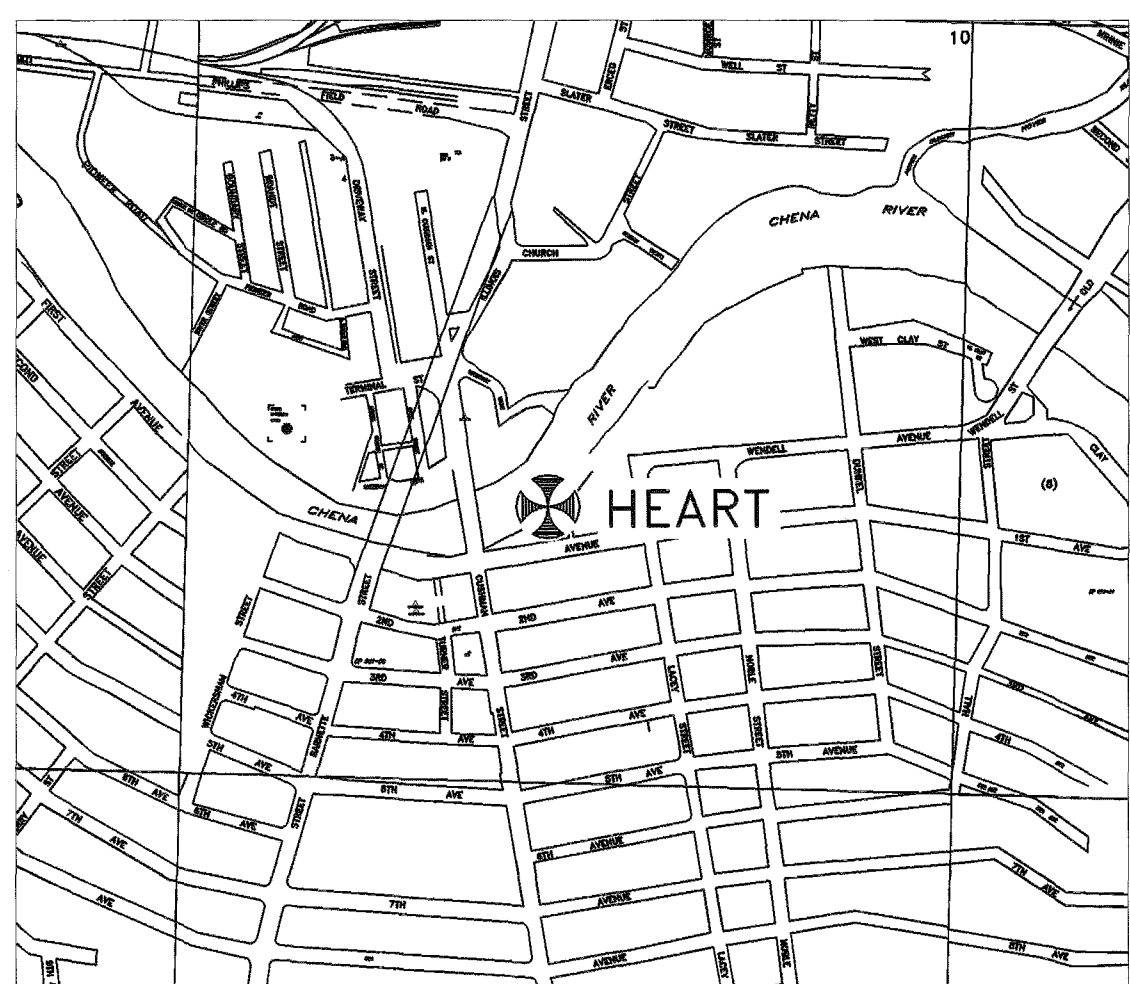
**GOLDEAST**  
State of Alaska Primary Monument 3 Meters East of Pipeline Abutment and 2.5 Meters North of Guardrail at Pipeline Crossing on Goldstream Road.



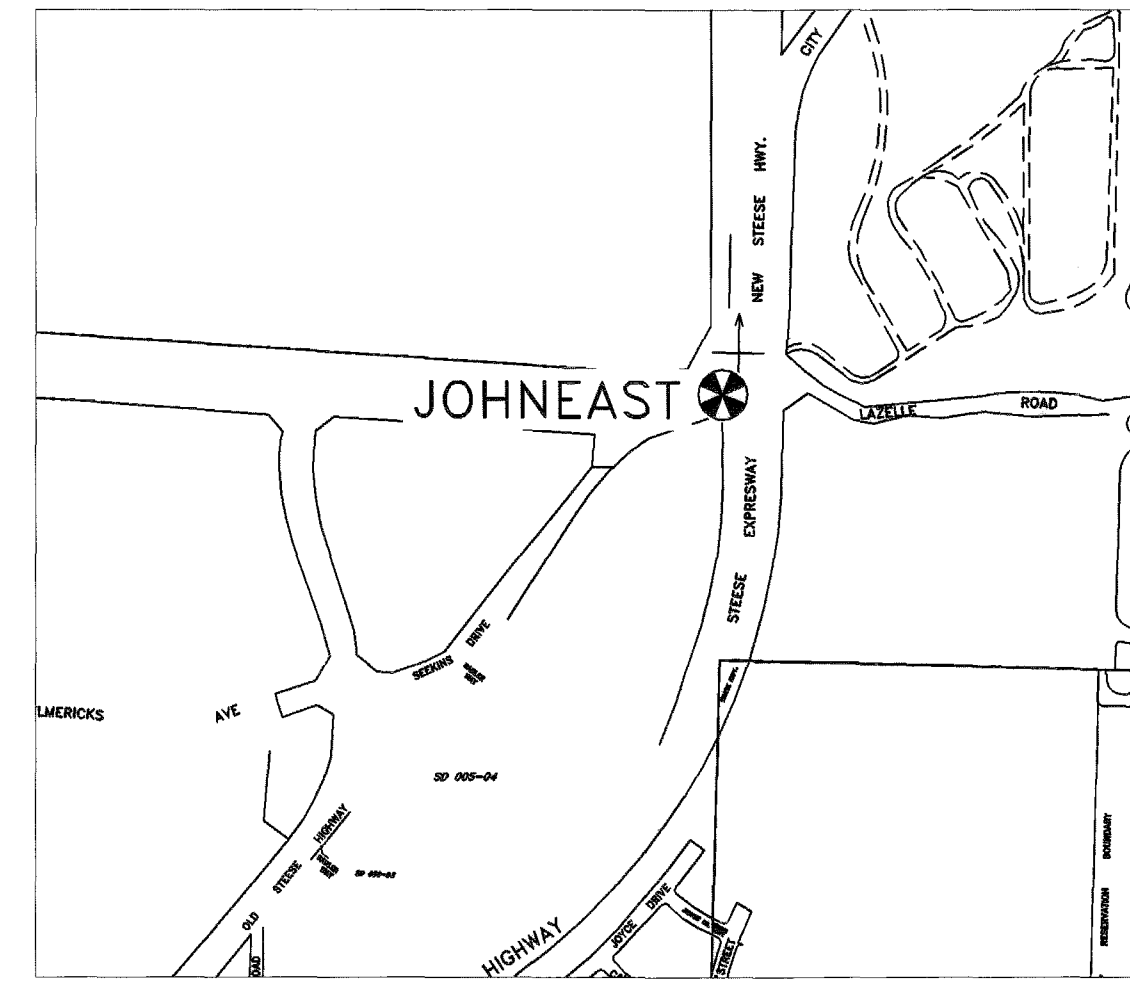
**GOLDSTR**  
State of Alaska Primary Monument Set 11 Meters East of Easterly End of Turnout and 5 Meters North of the Shoulder of Goldstream Rd. and 76 Meters West of Buck Drive on Goldstream Rd.



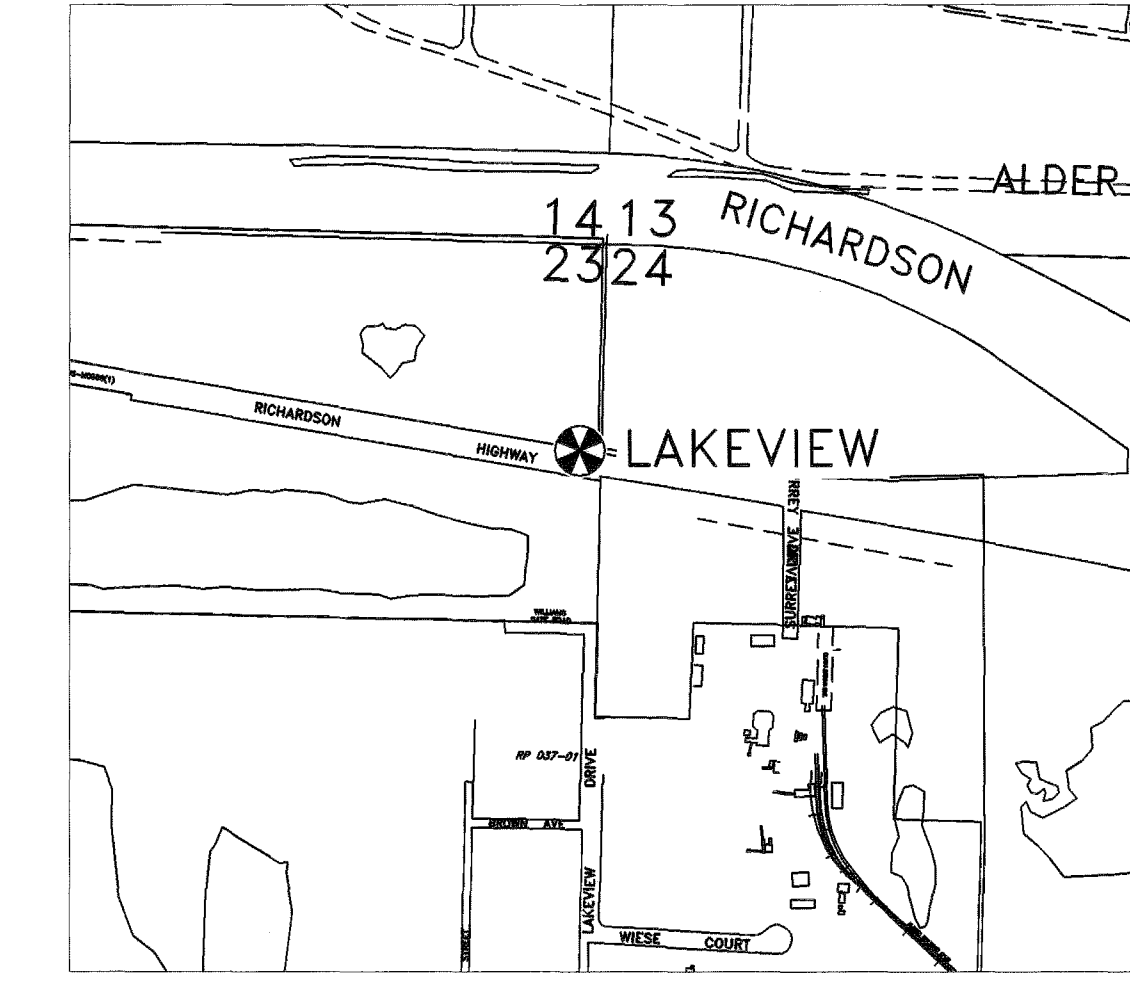
**GPS SCOTTY**  
State of Alaska Primary Monument North of Parking Lot 15 meters East of the NW Corner at top of bank.  
DOT  
Rebar and Cap between Guard Rails in North DOT Parking Lot 10 meters West of the East End of Guard Rail.



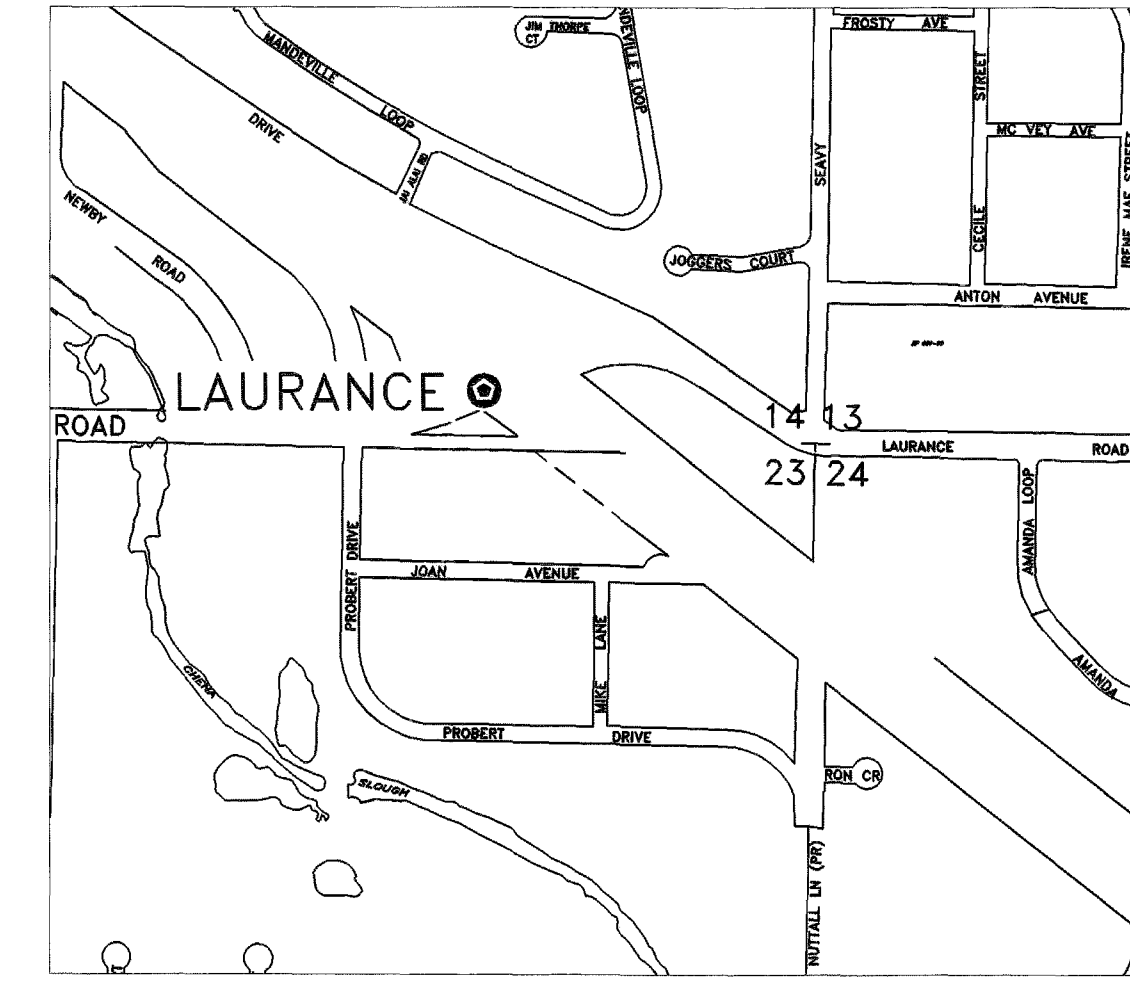
**HEART**  
Primary Monument Set By ASPLS in South Planter Wall of the Center Planter 10 Meters North of 1st Family Statue Wall in Golden Heart Park.



**JOHNEAST**  
State of Alaska Primary Monument Set in Median of Johansen Expressway at the Stees Intersection 7 Meters West of the West Edge of Bikepath.

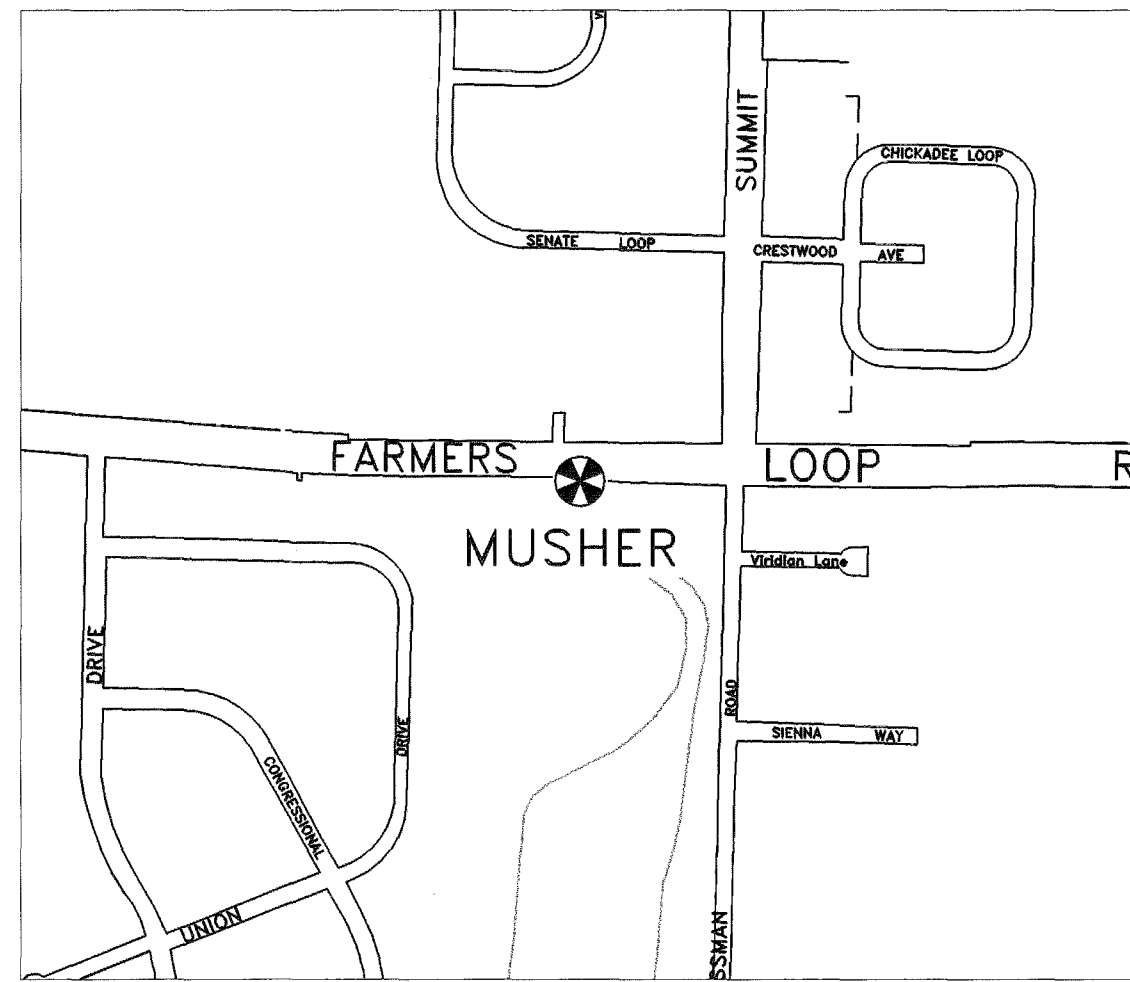


**LAKEVIEW**  
State of Alaska Primary Monument in Northwest Quadrant of Lakeview and Old Rich Intersection 3 Meters East of a Fire Hydrant.

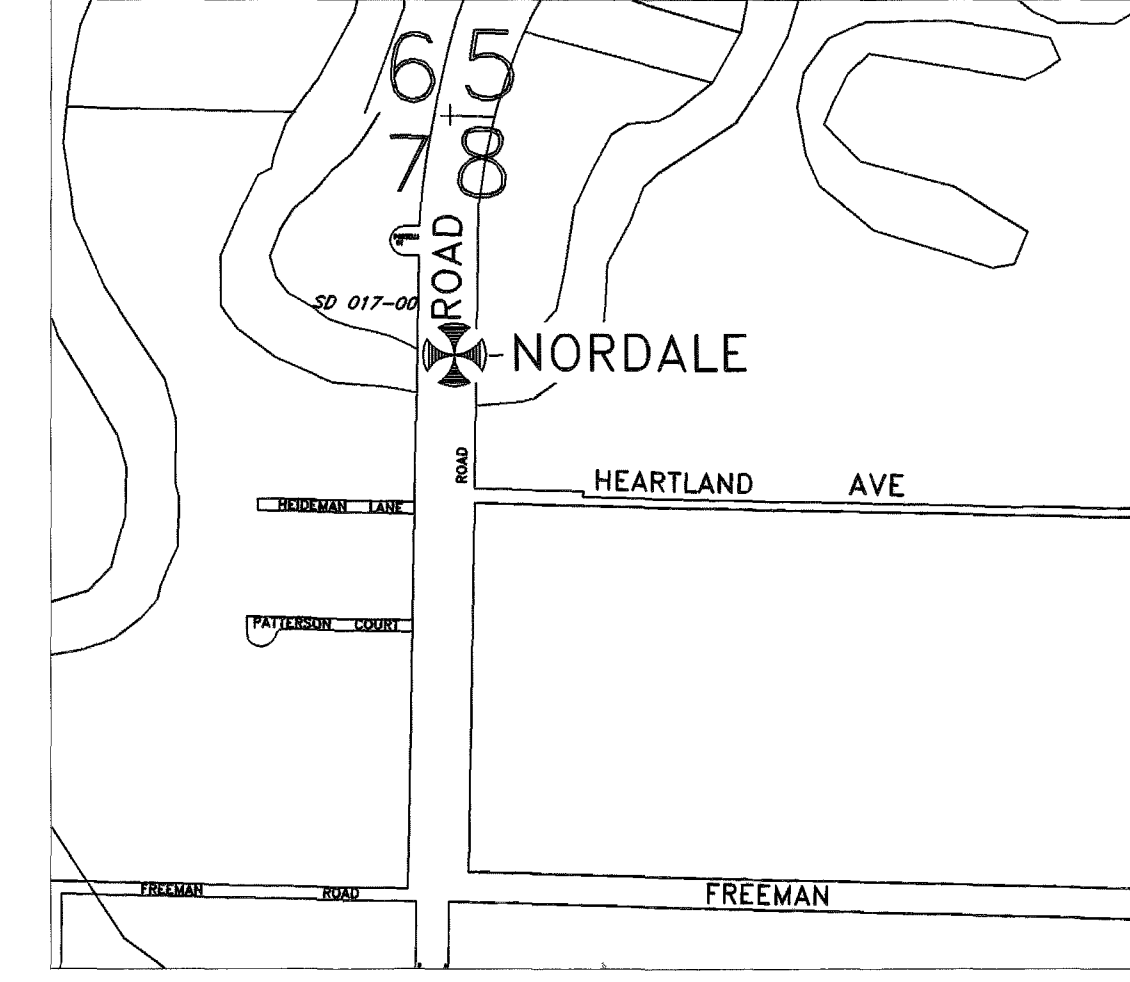


**LAURANCE**  
Rebar and Cap Set in Island at the Intersection of Richardson Hwy and Laurance Rd. 9 Meters Southwest of Eastbound Lane Centerline.

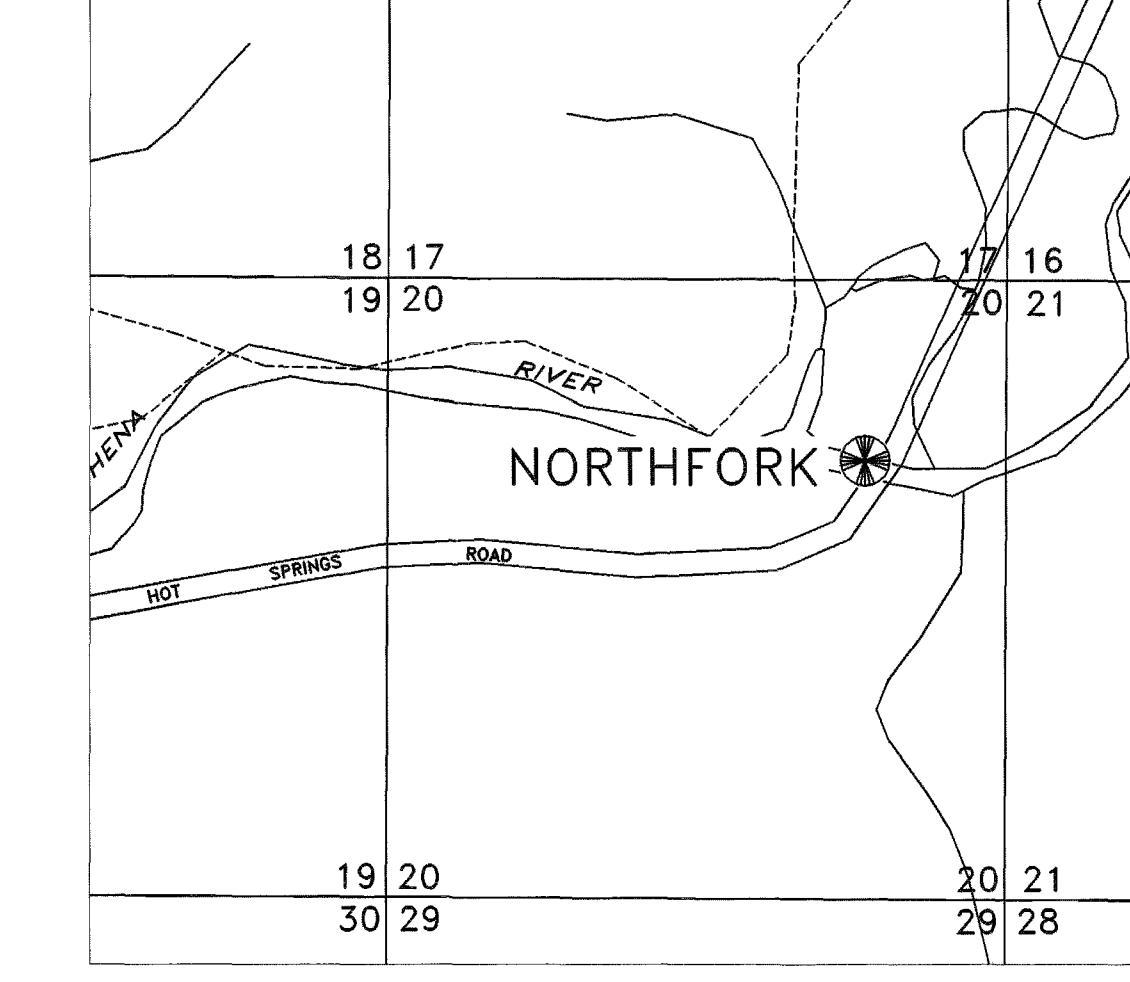
- LEGEND**
- ▲ CORS SITE
  - ⊗ SOA DENSIFICATION MONUMENT
  - ⊗ SOA PRIMARY SET
  - ⊗ NGS MONUMENT
  - ⊗ MISC MONUMENT FOUND
  - ⊙ REBAR AND CAP SET
  - × SPIKE SET



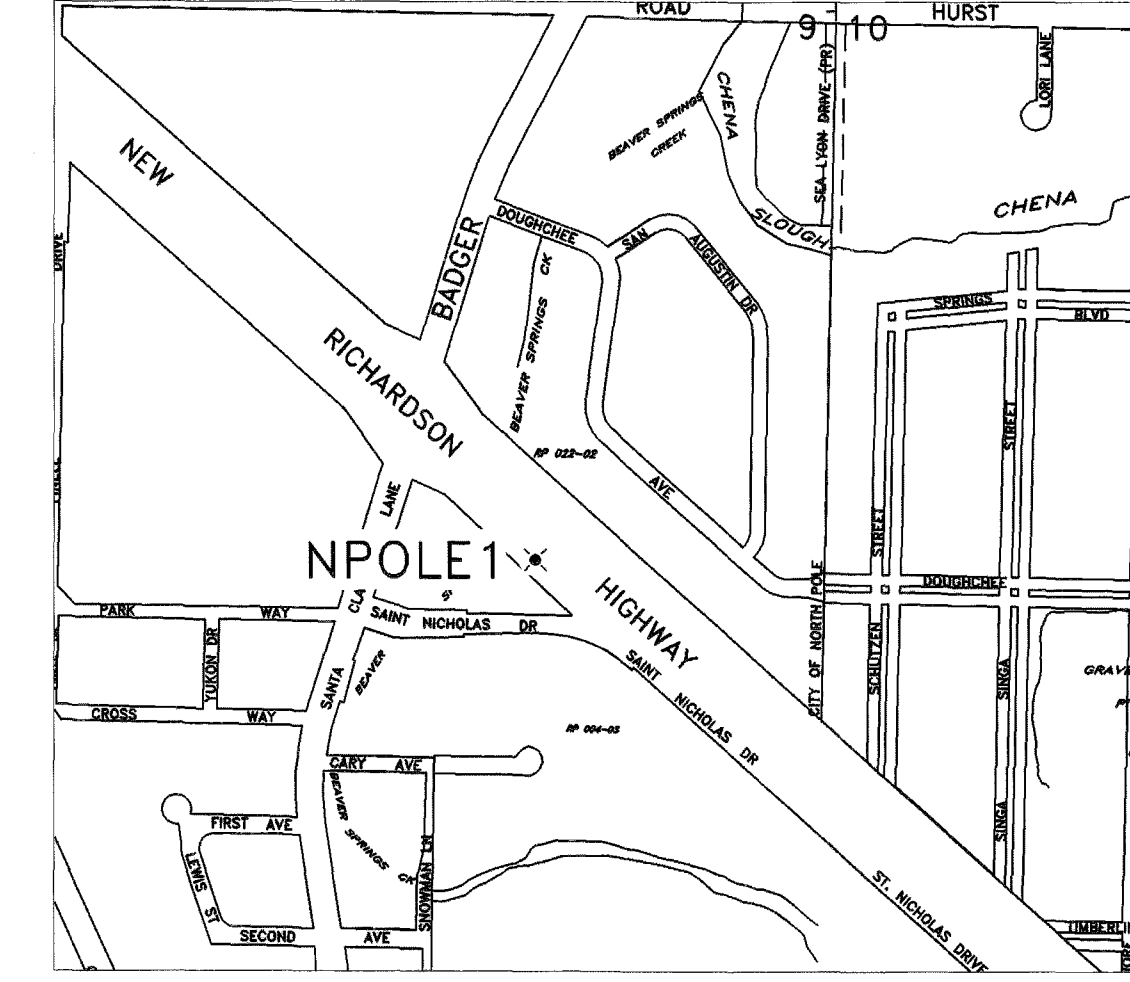
**MUSER**  
State of Alaska Primary Monument 5 Meters South of Bikepath and 9 Meters West of Westerly Approach to Dog Musher's Hall on Farmers Loop Rd.



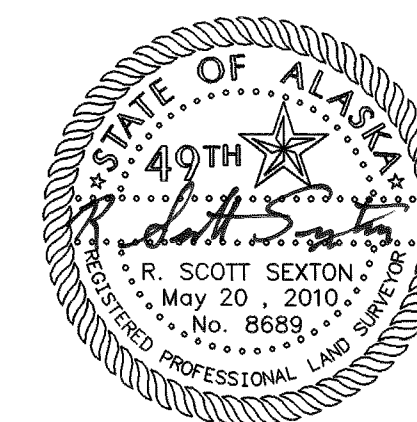
**NORDALE**  
Corp of Engineers Brass Cap on Northeast Abutment of Chena River Bridge on Nordale Road.



**NORTHFORK**  
Primary Monument with Post located at 39.5 Mile Chena Hot Spring Rd. 7 Meters Northeast of Hwy Centerline and 25 Meters Southwest of State Park Approach in PVC Casing.



**NPOLE1**  
Spike at East End of Guardrail of Eastbound On Ramp to Richardson Hwy from Badger Road, 1 Meter South of Lane and Approximately 107 Meters East of Overpass.



DATE: 05/10/10

DATE OF SURVEY Beginning: 2003 Ending: 2005	NAME AND ADDRESS: Department of Transportation and Public Facilities (DOT&PF) 2301 Peger Road Fairbanks, Alaska 99709
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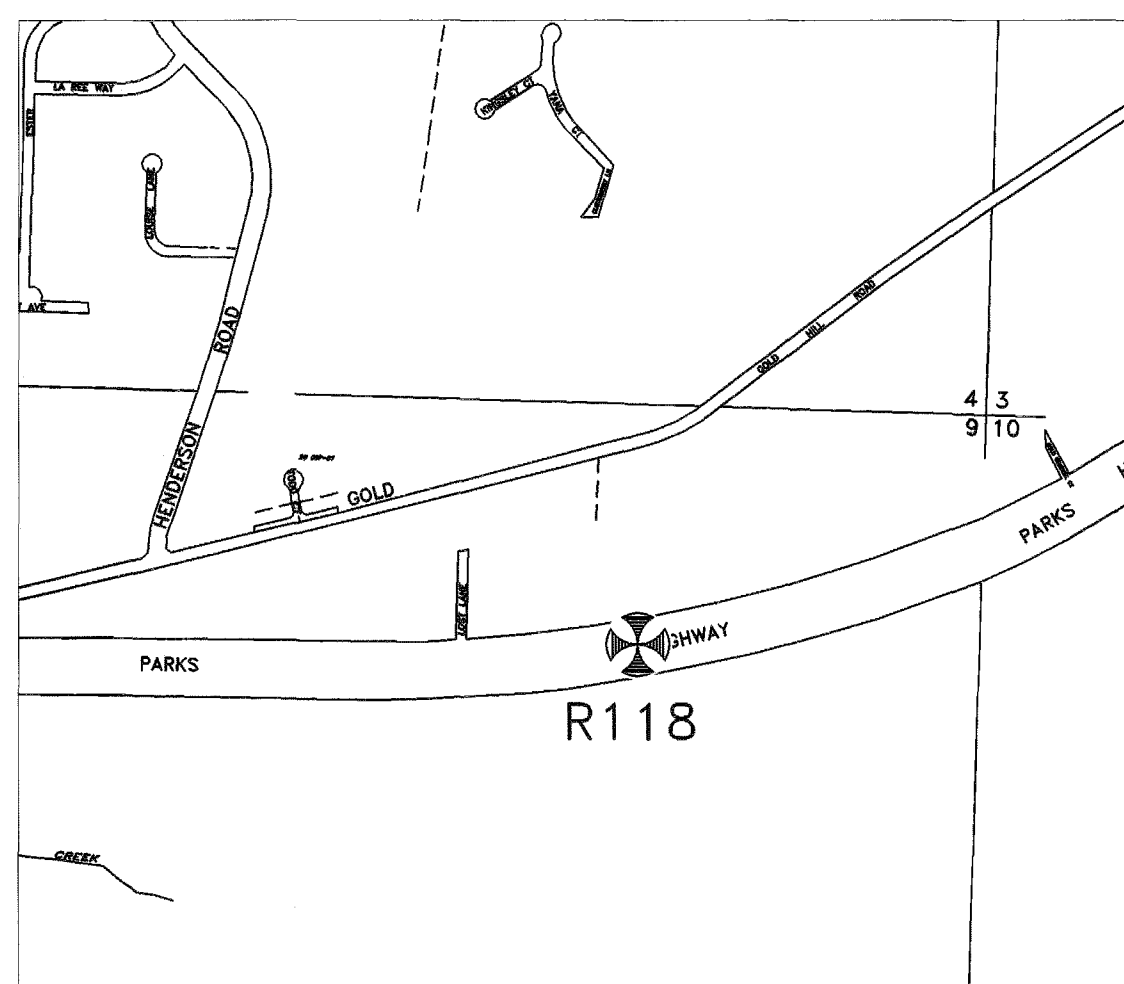
**RECORD OF SURVEY**

FAIRBANKS GPS NETWORK  
FAIRBANKS BOWL  
within  
FAIRBANKS MERIDIAN, ALASKA  
FAIRBANKS RECORDING DISTRICT

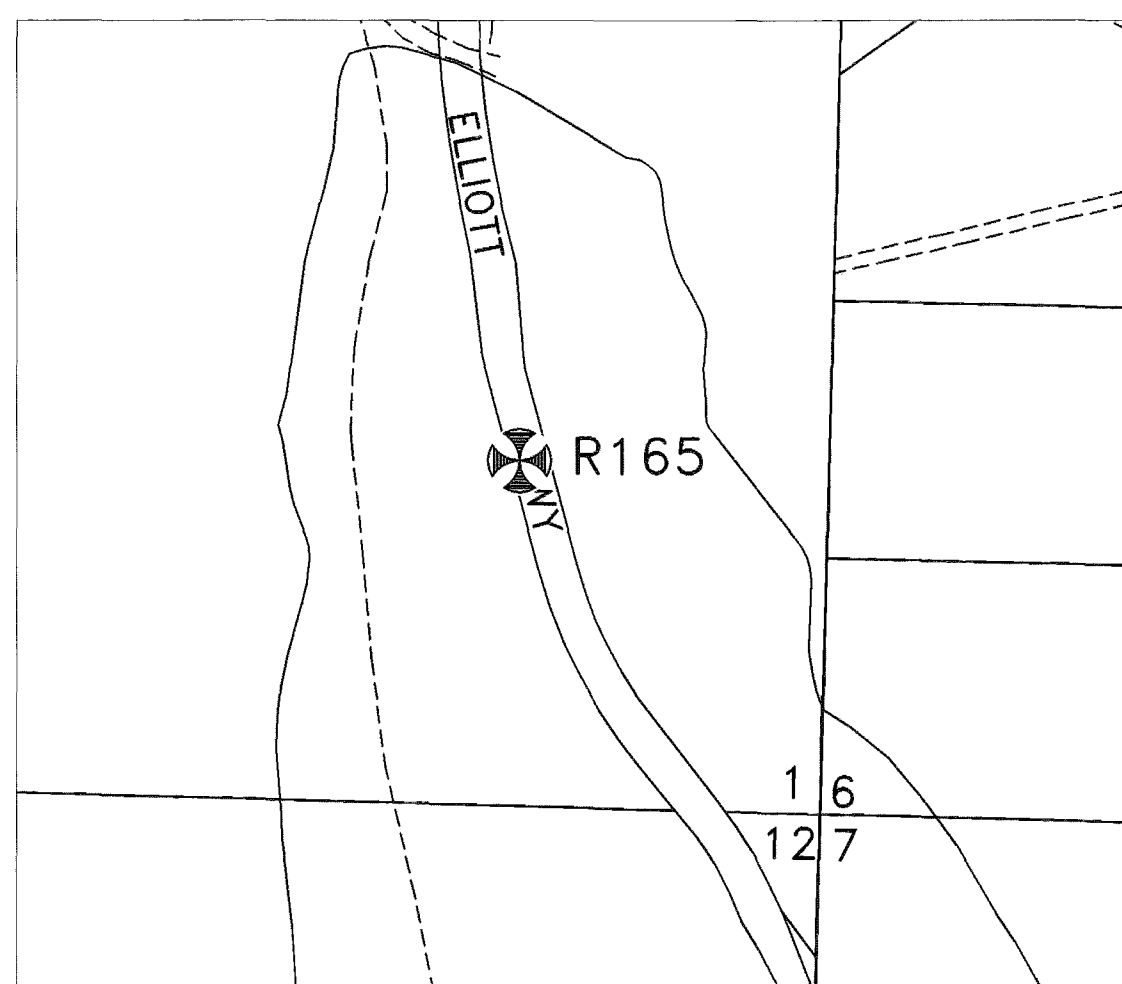
DRAWN BY: RSS	SCALE: NTS	CHECKED BY: REW/LSD	FILE NO.:
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Fairbanks 2010-103

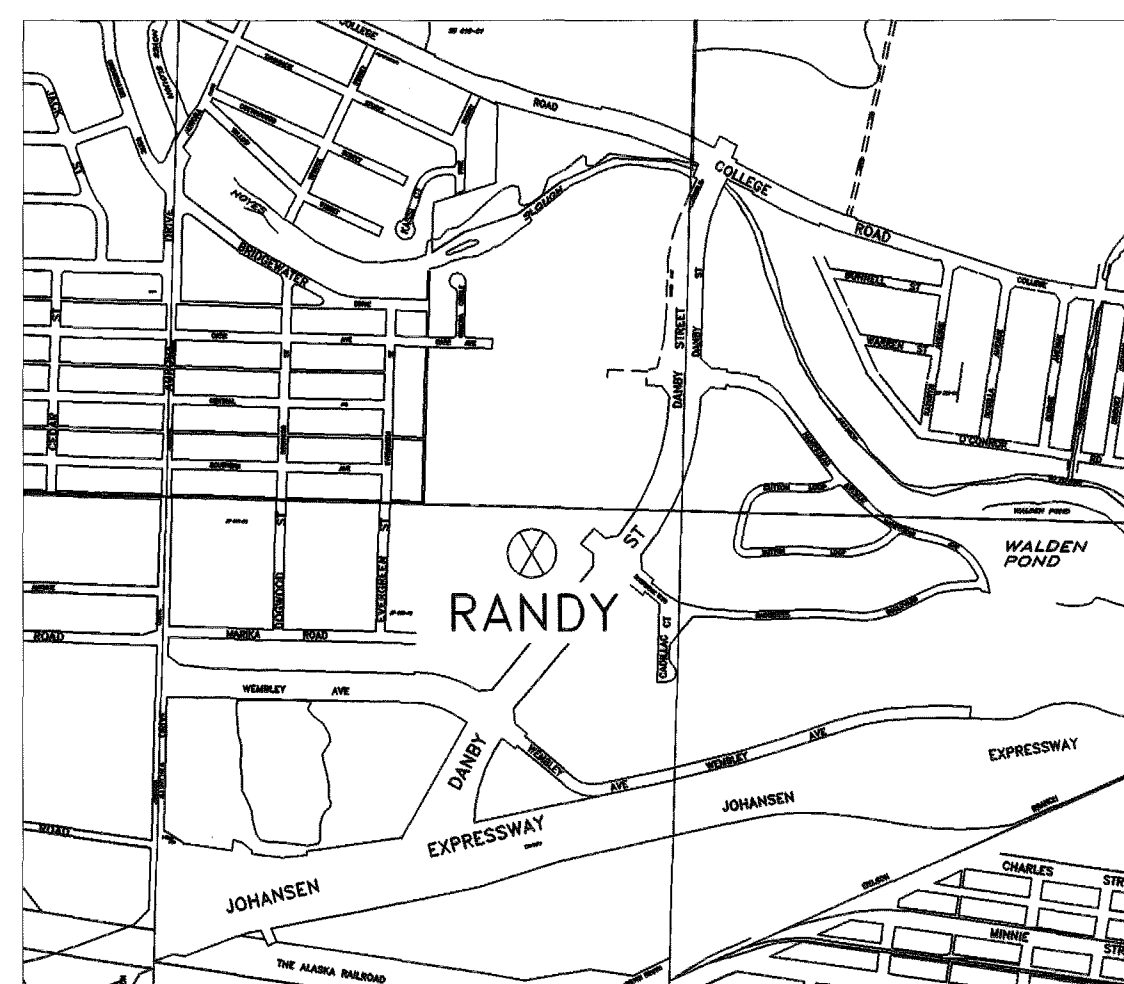
CONTROL SHEET 3 OF 5



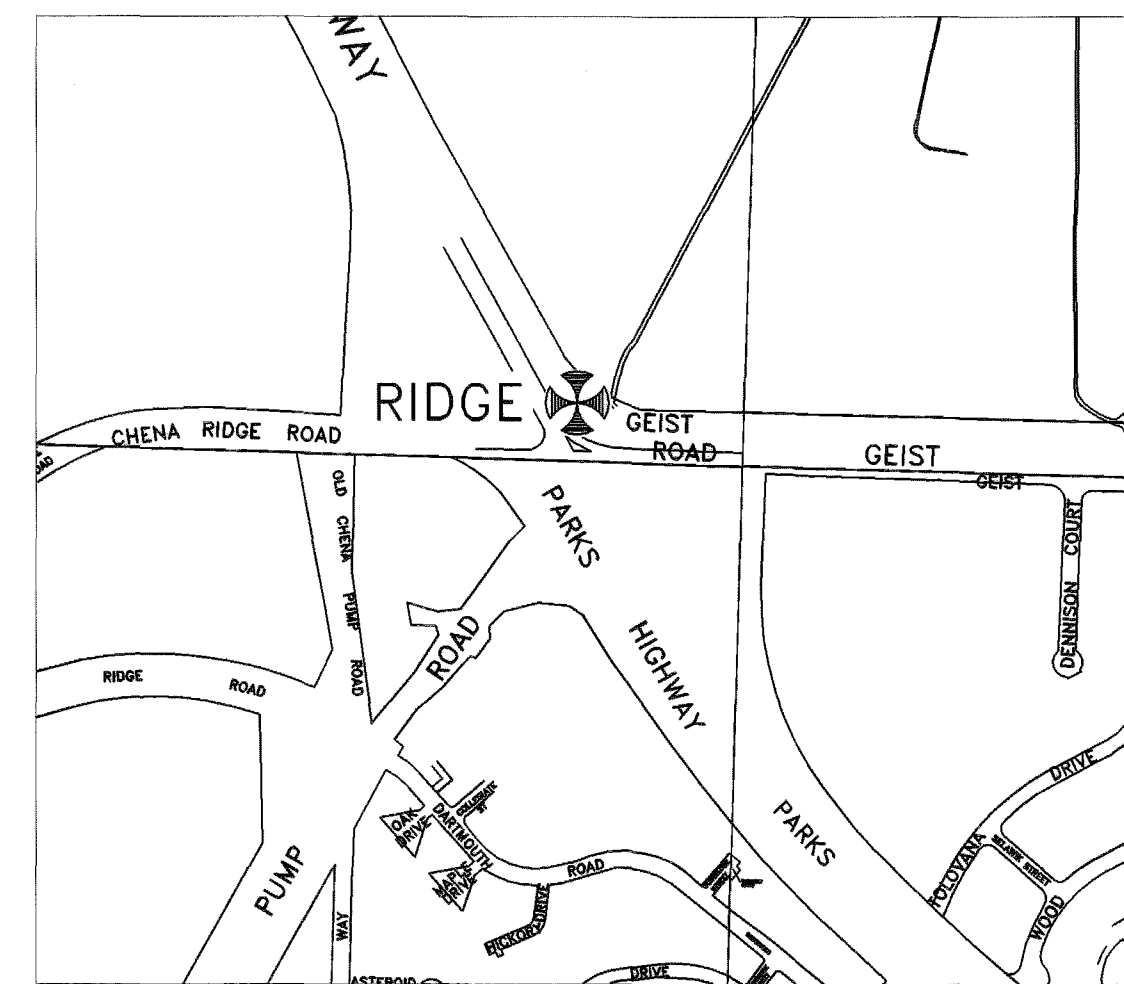
R 118  
NGS Bench Mark R 118 Located on Parks Hwy 250 Meters West of Goldhill Store and 19 Meters South of the Parks Hwy Centerline.



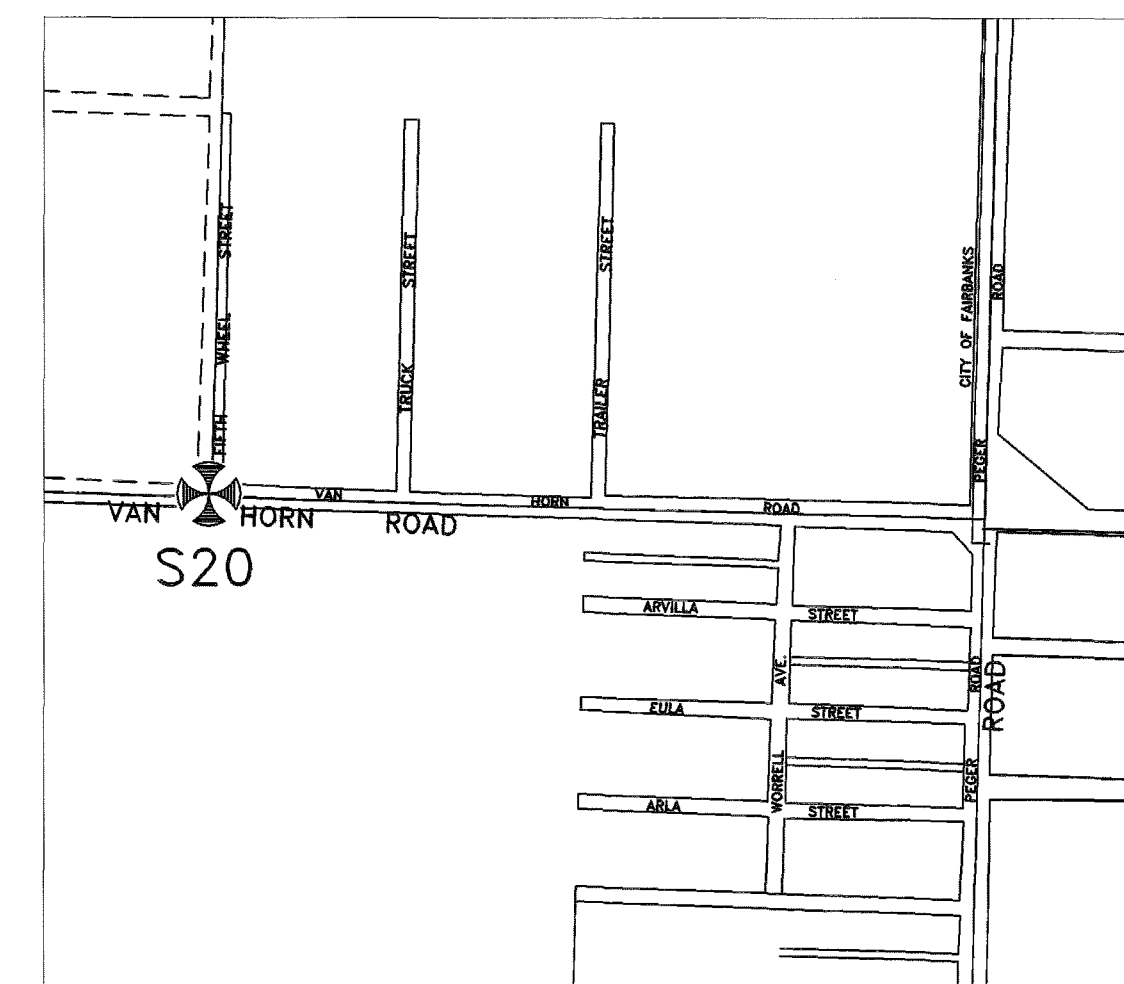
R 165  
NGS Bench Mark R 165 Located on the Elliott Hwy 2.4 Kilometers North of Hilltop Cafe, 21 Meters West of Centerline, 6 Meters East of Power Line, 7.6 Meters North of West Bound Approach at Mile Post 10.5



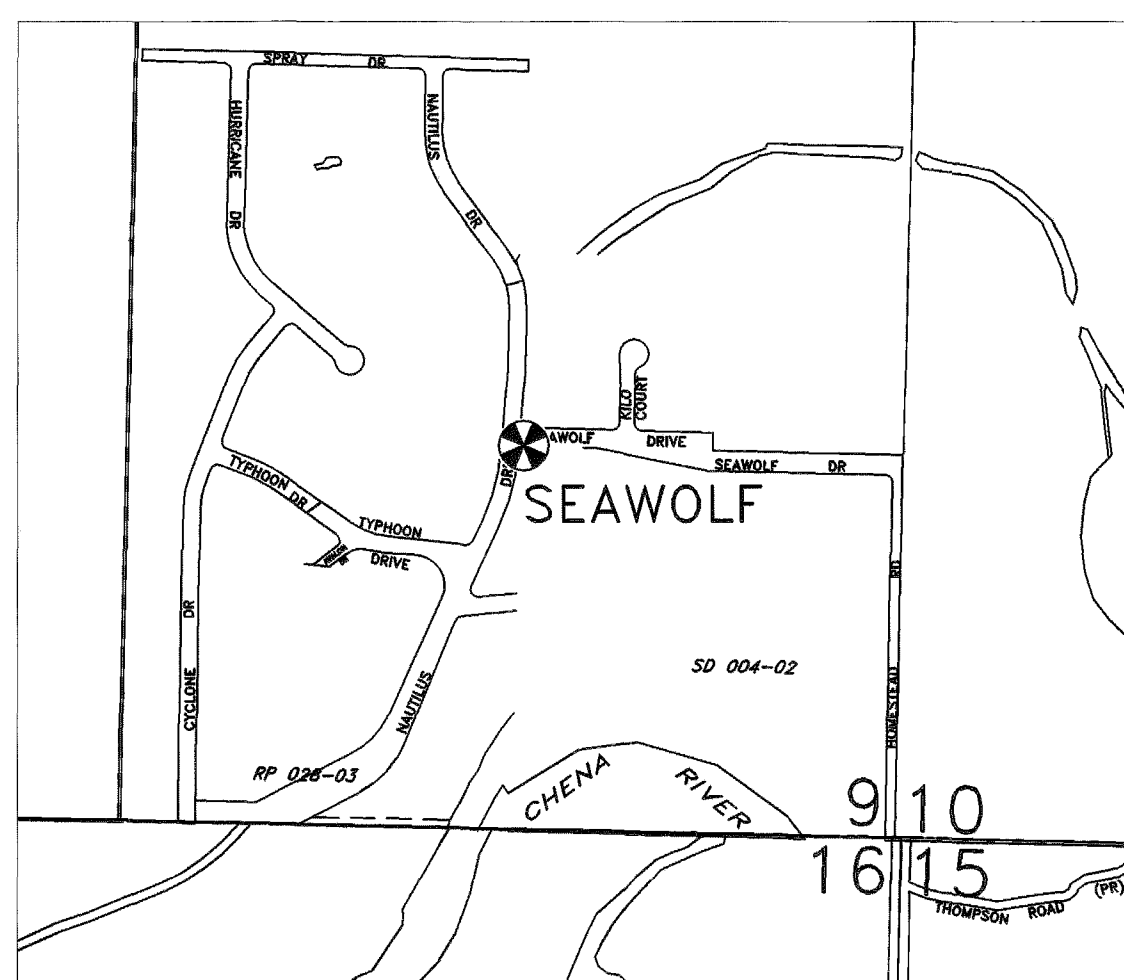
RANDY  
Monument Marked BM-3, Set in Curb on West Side of Ramp at Randy Middle School.



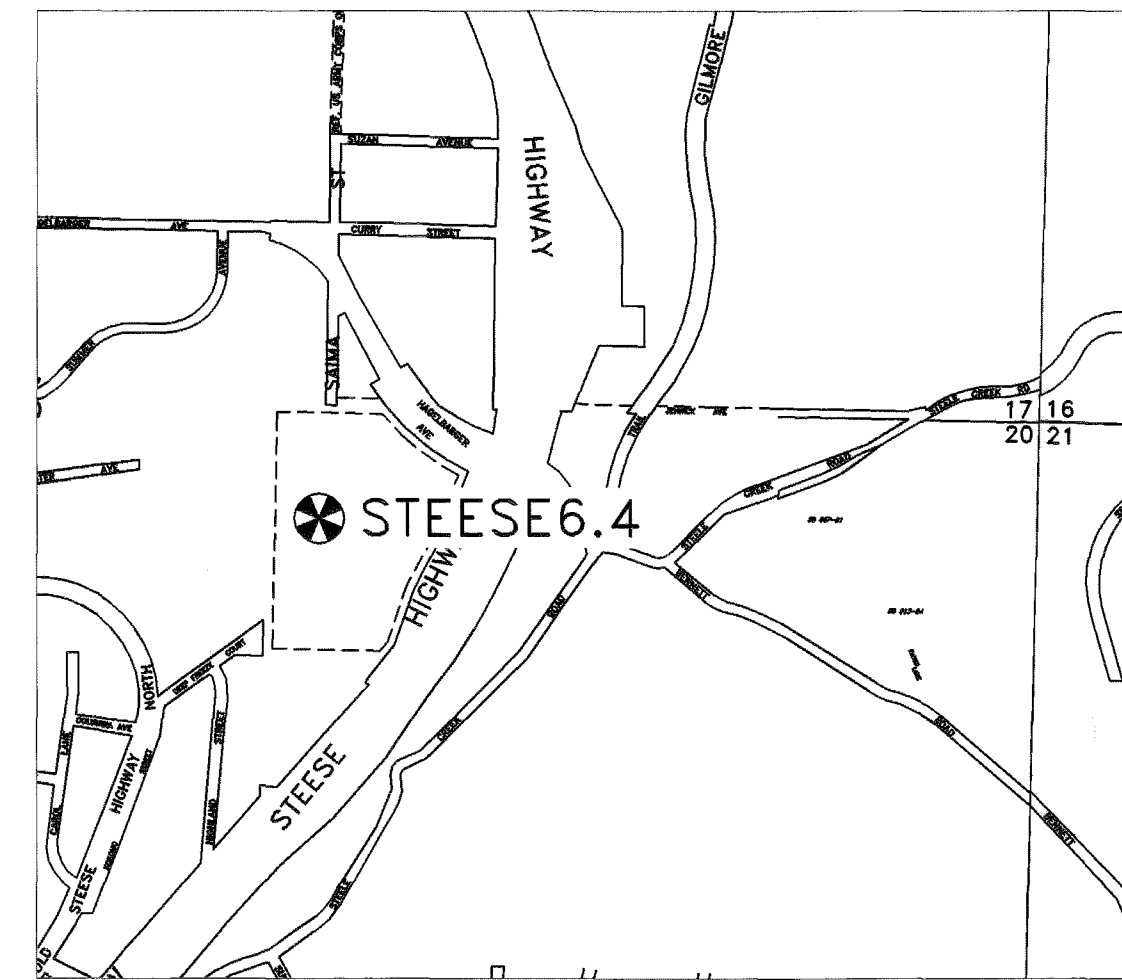
RIDGE  
Primary Monument with Center Post Located in 24 Inch Vertical CMP Between Outbound Geist Road Access Ramp and Parks Hwy.



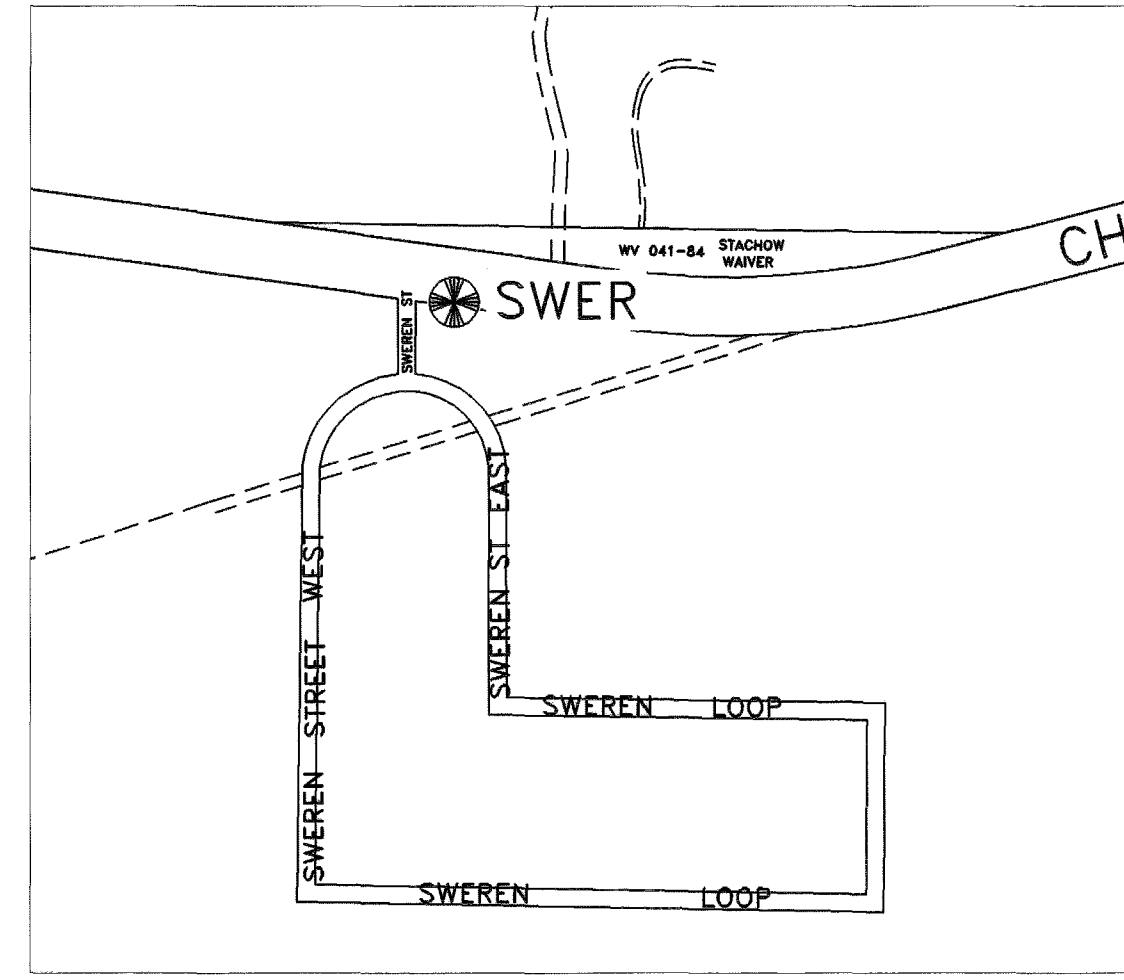
S 20  
BLM 1/4 Corner at SE of West Van Horn Road and Fifth Wheel Street.



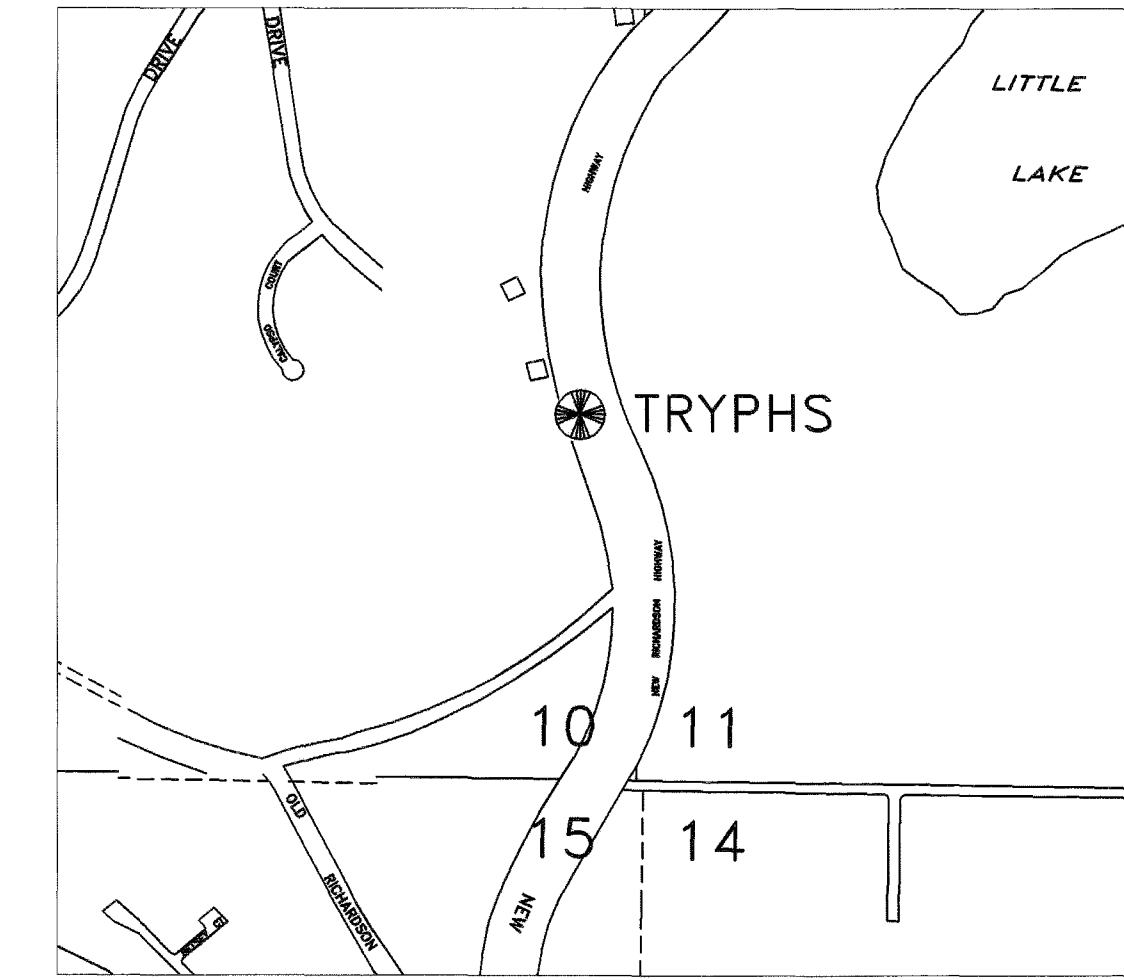
SEAWOLF  
Primary Monument Located at Corner in Southeast Quadrant of Nautilus Drive and Seawolf Drive, 11 Meters South of Seawolf Centerline at the Top of Slope Marked PC 1, Carlson Subdivision.



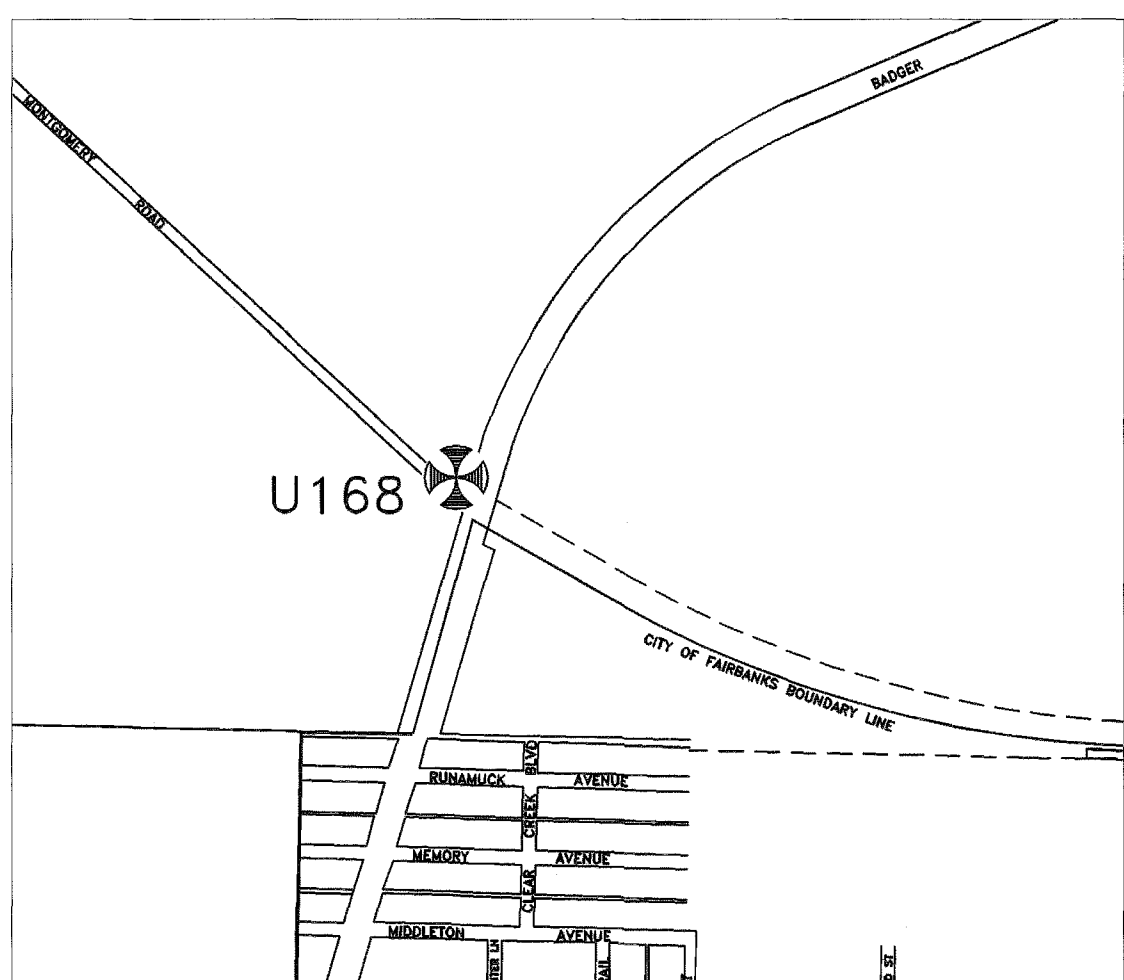
STEESE 6.4  
State of Alaska Primary Monument Set at East End of Turnout, 10.7 Meters North of Centerline of Hagelbarger, 29 Meters West of Stop Sign, Near Steese Expressway Intersection.



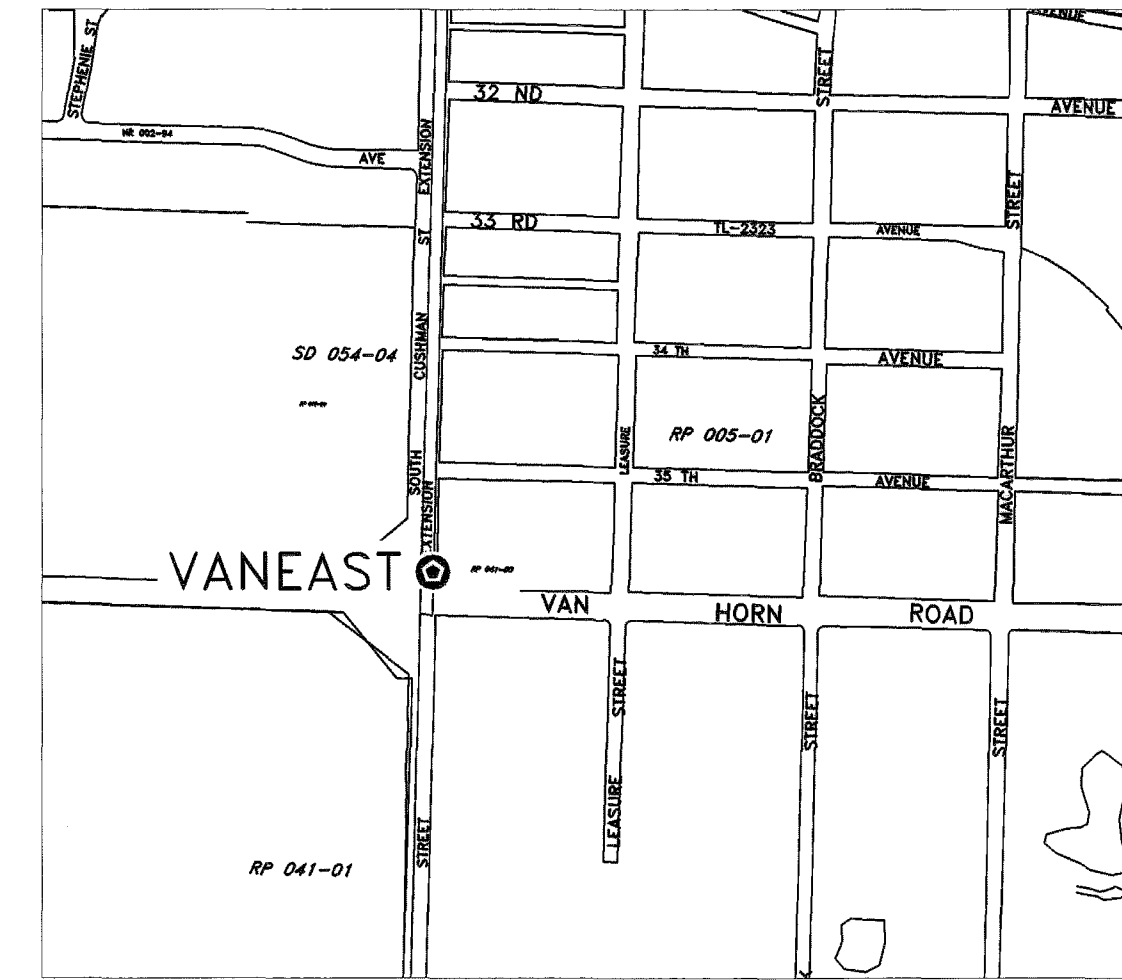
SWER  
Primary Monument Located at 22.3 Mile Chena Hot Springs Road, in the Southeast Quadrant 10 Meters South of Chena Hot Springs Rd Centerline and 56 Meters East of Centerline Sweren Street.



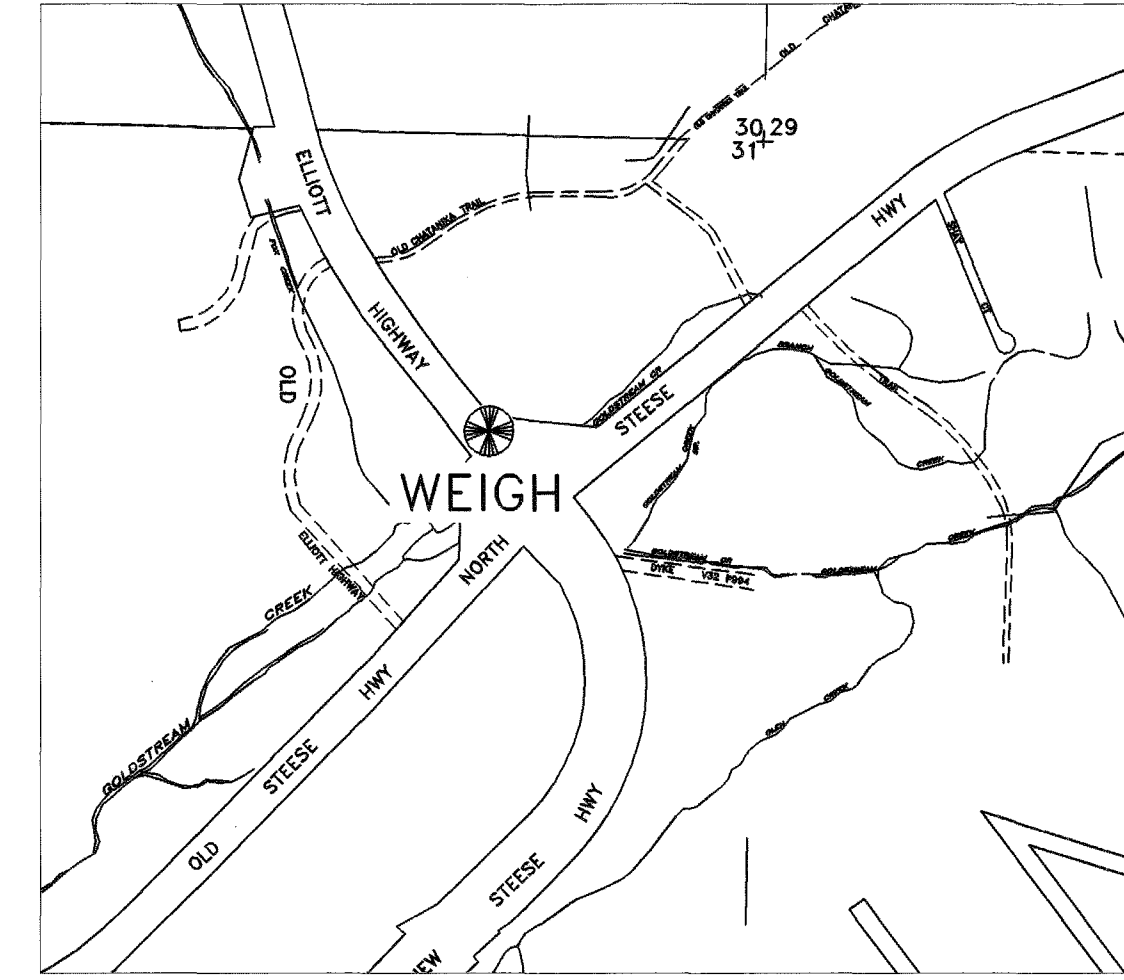
TRYPHS  
Primary Monument with Center Post Located at Milepost 318.4 Richardson Hwy 56 Meters North of the Southerly Approach to Tryphs, 14 Meters North of a Phone Pole, 11 Meters East of the Circular Drive Centerline.



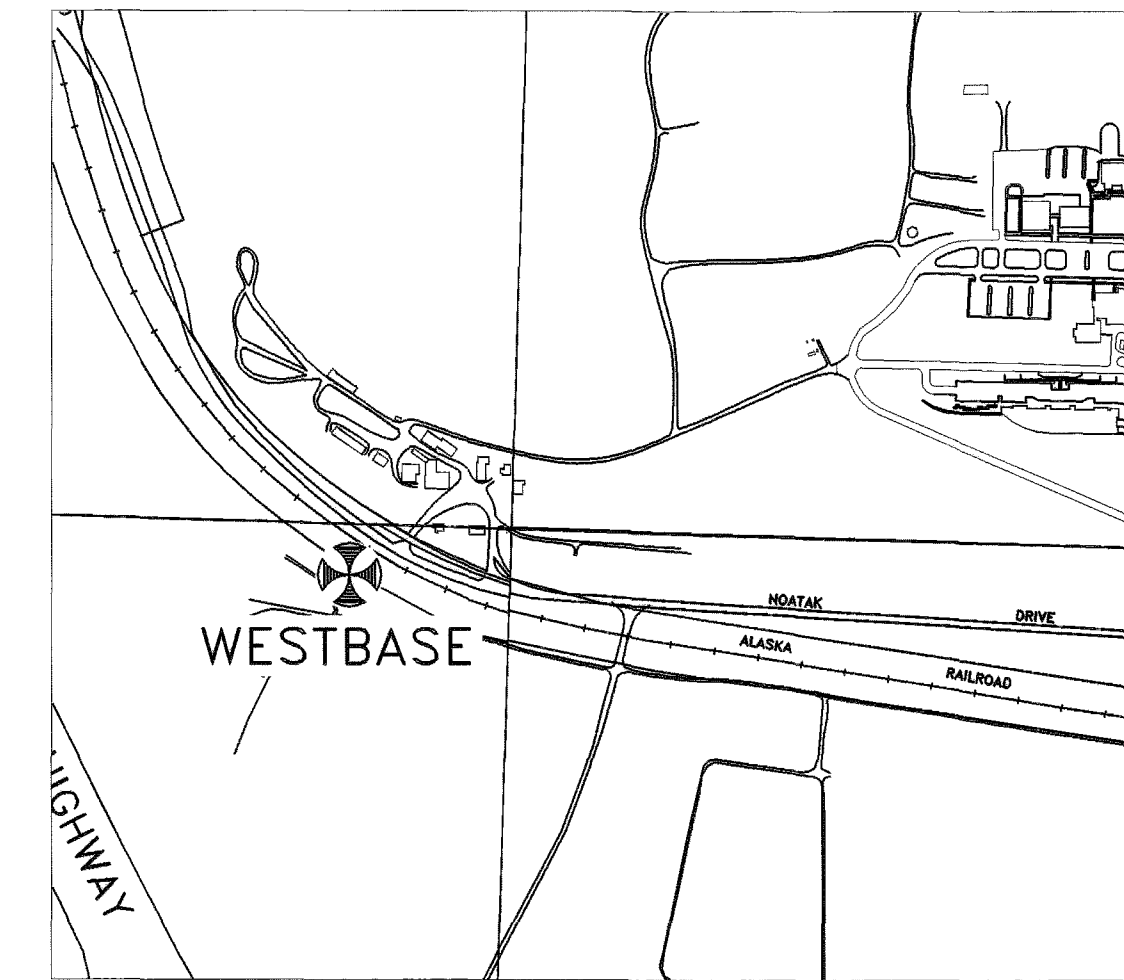
U 168  
NGS Bench Mark U 168 RESET Located in Northwest Quadrant of Badger Road and Montgomery Road, 27 Meters North of Montgomery Road Centerline and 30 Meters West of Centerline Badger Road.



VANEAST  
Rebar and Cap in Northeast Quadrant of Van Horn and South Cushman Street, 20 Meters South of Approach Centerline at Edge of Pavement of Parking Lot.



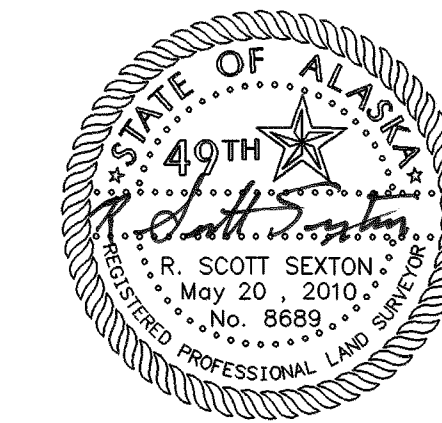
WEIGH  
Primary Monument with Post located in Northern Most Quadrant of the Steese Hwy and the Elliott Hwy, 15 Meters East of Elliott Centerline and 21 Meters North of Weigh Station Exit.



WESTBASE  
NGS Tri-Station Chena West Base Located in the Lower UAF Animal Research Area South of the Railroad Tracks in 4 Post Fenced Area 12 Meters South of the Equipment Shed.

LEGEND

- ▲ CORS SITE
- ⊗ SOA DENSIFICATION MONUMENT
- ⊗ SOA PRIMARY SET
- ⊗ NGS MONUMENT
- ⊗ MISC MONUMENT FOUND
- ⊙ REBAR AND CAP SET
- × SPIKE SET



DATE: 05/10/10

DATE OF SURVEY Beginning: 2003 Ending: 2005	NAME AND ADDRESS: Department of Transportation and Public Facilities (DOT&PF) 2301 Peger Road Fairbanks, Alaska 99709
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RECORD OF SURVEY

FAIRBANKS GPS NETWORK  
FAIRBANKS BOWL  
within  
FAIRBANKS MERIDIAN, ALASKA  
FAIRBANKS RECORDING DISTRICT

DRAWN BY: RSS	SCALE: NTS	CHECKED BY: REW/LSD	FILE NO.:
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Fairbanks 2010-103

CONTROL SHEET 4 OF 5

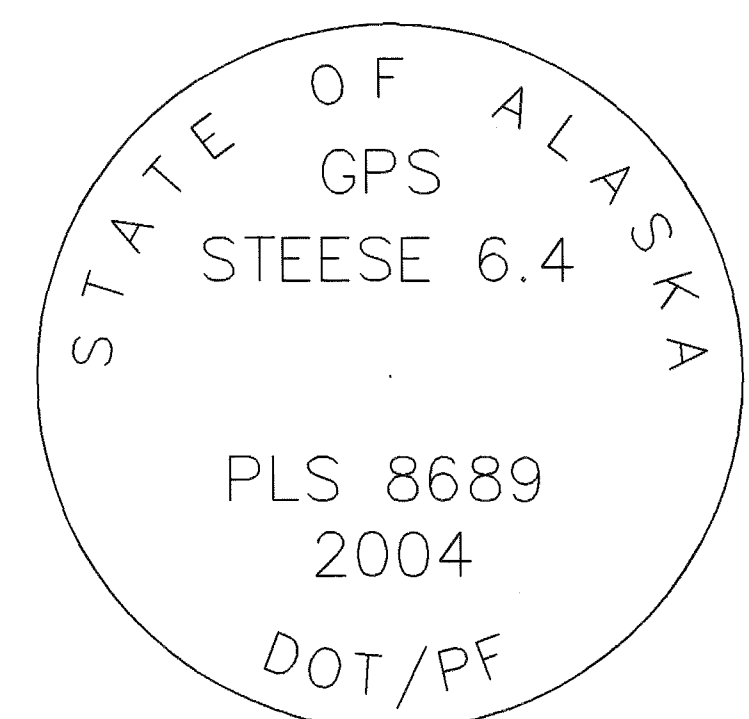
Table with columns: Station, Quality, Observation Date, Northing, Easting, Ellipsoid Height, Orthometric Height, Geoid 09 Seperation, Longitude, Latitude, Y, X, Z. Contains data for various stations like APTWEST, BADGER, CHS6.4, FAIR, LAURANCE, R 118, R 165, SWER, U 168, WESTBASE, AIRPORT, APTEAST, BALLAINE, CENA, DAWSON, DOT, FAI102, FARMWEST, FIFTH, GOLDEAST, GOLDSTR, GPS SCOTTY, HEART, JOHNEAST, LAKEVIEW, MUSHER, NORDALE, NORTHFORK, NPOLE1, RANDY, RIDGE, S20, SEAWOLF, STEESE6.4, TRYPHS, VANEAST, WEIGH.

ABSOLUTE CONFIDENCE REGIONS (ERROR ELLIPSES) 2D - 39.4% 1D - 68.3%

Table with columns: Station, A, B, A/B, Phi, Hgt(68.3%). Lists station names and their associated confidence values and heights.



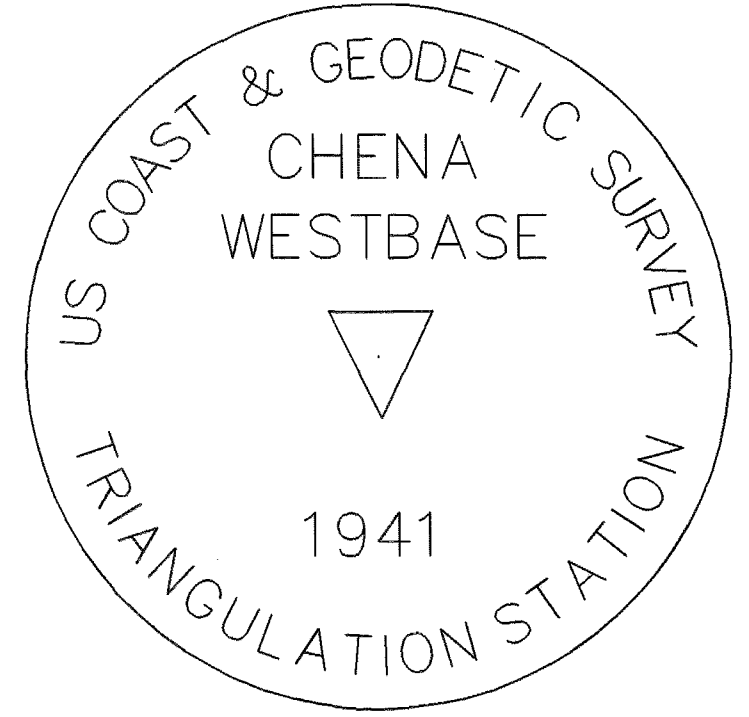
TYPICAL REBAR AND CAP



TYPICAL STATE OF ALASKA PRIMARY



TYPICAL STATE OF ALASKA GPS DENSIFICATION



TYPICAL TRI-STATION



2010-103  
Plat # Fairbanks  
Date 10-15-2010  
Time 11:00 A.M.

DATE: 05/10/10

DATE OF SURVEY Beginning: 2003 Ending: 2005  
NAME AND ADDRESS: Department of Transportation and Public Facilities (DOT&PF) 2301 Peger Road Fairbanks, Alaska 99709

RECORD OF SURVEY

FAIRBANKS GPS NETWORK  
FAIRBANKS BOWL  
within  
FAIRBANKS MERIDIAN, ALASKA  
FAIRBANKS RECORDING DISTRICT

DRAWN BY: RSS  
SCALE: NTS  
CHECKED BY: REW/LSJ  
FILE NO.: