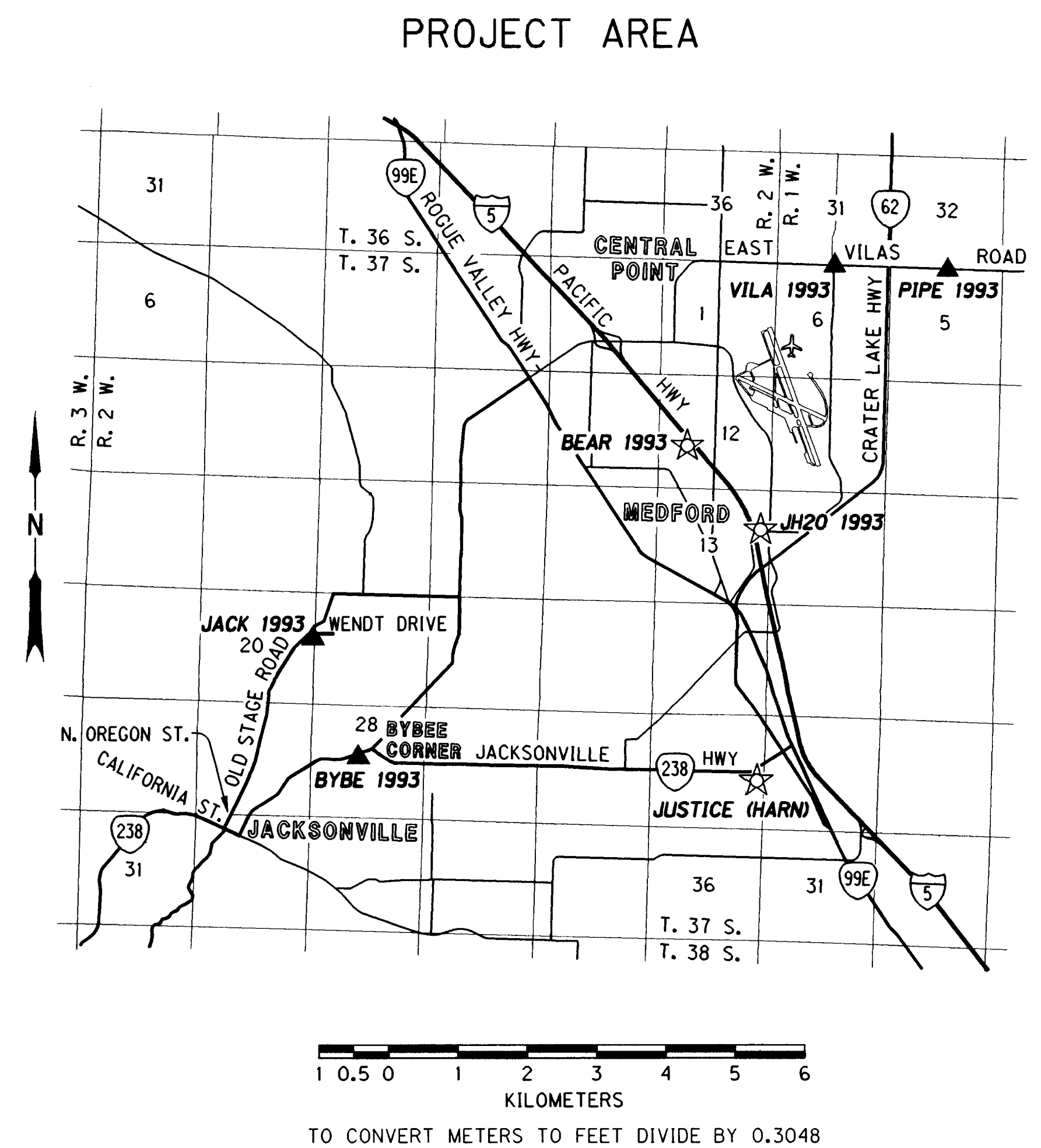
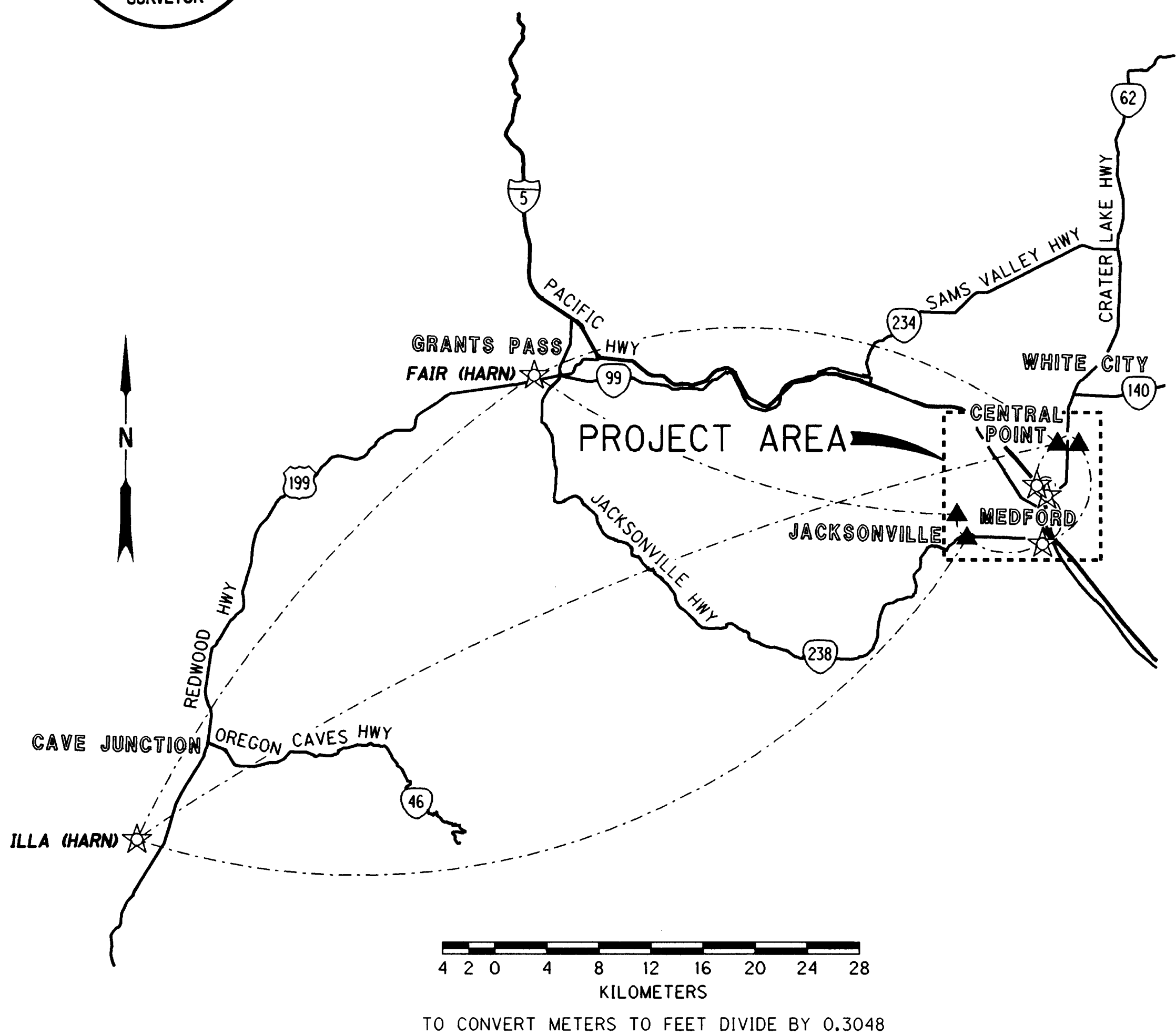


SW 1/4 SEC 32, T36S, R1W, WM (PIPE) NE 1/4 SEC 6, T37S, R1W, WM (VILA)
 NW 1/4 SEC 28, T37S, R2W, WM (BYBE) NE 1/4 SEC 20, T37S, R2W, WM (JACK)
 SITUATED IN JACKSON COUNTY, OREGON

RECEIVED
 Date 4-10-03 By *DD*
 This survey consists of:
 2 sheet(s) Map
 0 page(s) Narrative
 JACKSON COUNTY SURVEYOR



- #### LEGEND
- ☆ FOUND GEODETIC CONTROL STATION
 - ▲ SET GEODETIC CONTROL STATION
 - GPS CONNECTION

REGISTERED PROFESSIONAL LAND SURVEYOR
Ranvir Singh
 OREGON
 JULY 26, 1988
 RANVIR SINGH
 2363
 EXPIRES 06/30/04

METRIC SURVEY OREGON DEPARTMENT OF TRANSPORTATION
 GEOMETRONICS UNIT
 200 HAWTHORNE AVE. SE, # B-250
 SALEM, OR 97301-5193
 (503)986-3103; FAX (503)986-3548

GEODETIC SURVEY REPORT
 HWY 238 - JACKSON ST. HORIZONTAL CONTROL
 JACKSONVILLE HIGHWAY #272
 ALSO KNOWN AS STATE ROUTE 238
 GEOMETRONICS CONTROL FILE #93-020
 FOR OREGON DEPARTMENT OF TRANSPORTATION, REGION 3

| | | | | |
|----------------------------|---------------------|-------------------------|-------|----|
| COUNTY: JACKSON | DRAWN BY: GRC & MJA | KEY #: 03711 | SHEET | OF |
| SURVEY DATE: FEBRUARY 1994 | CHECKED BY: | FILE NAME: 03711GEO.DGN | 1 | 2 |

SW 1/4 SEC 32, T36S, R1W, WM (PIPE) NE 1/4 SEC 6, T37S, R1W, WM (VILA)
 NW 1/4 SEC 28, T37S, R2W, WM (BYBE) NE 1/4 SEC 20, T37S, R2W, WM (JACK)
 SITUATED IN JACKSON COUNTY, OREGON

SURVEY NARRATIVE

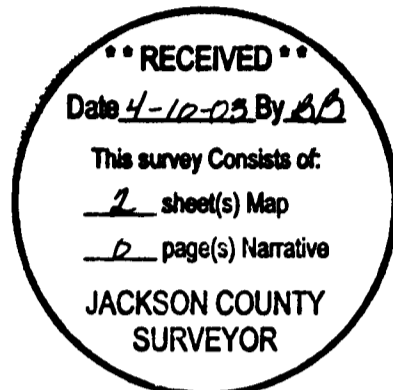
THE PURPOSE OF THIS SURVEY WAS TO ESTABLISH HORIZONTAL GEODETIC CONTROL FOR THE "HWY 238 - JACKSON ST." PROJECT. THE SURVEY WAS COMPLETED IN FEBRUARY, 1994. GPS OBSERVATIONS WERE MADE USING ASHTECH MD-XII DUAL FREQUENCY RECEIVERS. THE PROCEDURES FOLLOWED WERE FROM THE RECOMMENDED GPS GUIDELINES IN THE "GEOMETRIC GEODETIC ACCURACY STANDARDS AND SPECIFICATIONS FOR USING GPS RELATIVE POSITIONS TECHNIQUES" GROUP C ORDER 1 PUBLISHED BY THE FEDERAL GEODETIC CONTROL COMMITTEE. OREGON HARN STATIONS JUSTICE, ILLA, AND FAIR WERE THE BASIS FOR THIS SURVEY. DATA FOR THIS SURVEY IS LOCATED IN CONTROL FILE 93-020 IN THE ODOT-GEOMETRONICS UNIT, SALEM OREGON.

NOTE: TWO OF THE SIX GEODETIC CONTROL MONUMENTS, JH20 1993 AND BEAR 1993 WERE FILED IN CS *15237 WITH JACKSON COUNTY. THIS SURVEY FILING IS TO INCLUDE THE FOUR GEODETIC CONTROL MONUMENTS THAT WERE NOT FILED. THE ODOT PHOTOGRAMMETRY UNIT CONDUCTED THIS SURVEY IN 1994 UNDER PRIOR MANAGEMENT. I TOOK OVER THE MANAGEMENT OF THE UNIT IN 1997 AND RECENTLY DISCOVERED THAT THE SURVEY HAD NOT BEEN FILED. I AM TAKING RESPONSIBLE CHARGE FOR THE SURVEY AT THIS TIME AND PLACING IT INTO THE PUBLIC RECORD.

MONUMENT INFORMATION (GRID COORDINATES - OREGON COORDINATE SYSTEM SOUTH ZONE) DATUM: NAD 83/91

| STATION DESIGNATION | LATITUDE (AT 2 SIGMA) | LONGITUDE (AT 2 SIGMA) | NORTHING (m) (GRID) | EASTING (m) (GRID) |
|---------------------|------------------------------|-------------------------------|---------------------|--------------------|
| JACK 1993 | 42°20'24.75399" N +/-0.004 m | 122°57'16.30402" W +/-0.004 m | 77784.456 | 1297756.525 |
| BYBE 1993 | 42°19'29.54485" N +/-0.002 m | 122°56'41.62977" W +/-0.004 m | 76058.463 | 1298500.191 |
| VILA 1993 | 42°23'21.15500" N +/-0.004 m | 122°51'56.20857" W +/-0.004 m | 83014.378 | 1305234.542 |
| PIPE 1993 | 42°23'21.41428" N +/-0.004 m | 122°50'48.13716" W +/-0.004 m | 82978.576 | 1306791.149 |
| JH20 1993 CS*15237 | 42°21'16.96568" N +/-0.002 m | 122°52'39.50189" W +/-0.004 m | 79212.049 | 1304135.916 |
| BEAR 1993 CS*15237 | 42°21'41.01909" N +/-0.002 m | 122°52'59.52745" W +/-0.004 m | 79966.952 | 1303698.918 |
| JUSTICE (HARN) | 42°19'21.42830" N | 122°52'36.72874" W +/-0.004 m | 75646.722 | 1304098.191 |
| ILLA (HARN) | 42°06'16.06202" N | 123°40'53.50884" W +/-0.004 m | 53631.814 | 1236885.414 |
| FAIR (HARN) | 42°25'24.55714" N | 123°20'19.88180" W +/-0.004 m | 88030.439 | 1266414.307 |

m = METERS



DESCRIPTION AND TO REACH STATIONS

| | |
|--|---|
| <p>JACK 1993</p> <p>THE STATION IS 2 MILES NORTHEAST OF THE CITY OF JACKSONVILLE; FROM INTERSECTION OF CALIFORNIA STREET AND N. OREGON STREET ON JACKSONVILLE HWY (STATE ROUTE #238) IN JACKSONVILLE GO NORTHEAST ON N. OREGON STREET (WHICH BECOMES OLD STAGE ROAD) FOR 1.96 MILES TO WENDT DRIVE; GO EAST ON WENDT DRIVE FOR 25 FEET TO STATION ON SOUTH SIDE; 35.5 FEET EAST OF A FENCE CORNER AND 2.3 FEET NORTH OF FENCE ON THE SOUTH EDGE OF WENDT DRIVE.</p> <p>SET 3 INCH DIAMETER GEODETIC CONTROL BRASS DISK WITH CASTED "OREGON STATE HIGHWAY DIVISION, DO NOT DISTURB, TRIANGULATION STA" IN 12 INCH x 12 INCH CONCRETE POST FLUSH WITH GROUND STAMPED "JACK 1993".</p> | <p>VILA 1993</p> <p>THE STATION IS 3.6 MILES NORTHEAST OF THE CITY OF MEDFORD; FROM PACIFIC HWY (I-5) AND CRATER LAKE HWY INTERCHANGE (I-5 MILEPOINT 30.30); GO EASTBOUND (NORTHERLY) ON CRATER LAKE HWY (STATE ROUTE #62) FOR 3.65 MILES TO EAST VILAS ROAD; GO WEST ON EAST VILAS ROAD FOR 0.50 MILE TO STATION ON SOUTH SIDE; 6.6 FEET NORTH OF FENCE CORNER; 83 FEET EAST OF MILE POST 1 AND 23.8 FEET SOUTH OF CENTERLINE OF VILAS ROAD SIGN.</p> <p>SET 3 INCH DIAMETER GEODETIC CONTROL BRASS DISK WITH CASTED "OREGON STATE HIGHWAY DIVISION, DO NOT DISTURB, TRIANGULATION STA" IN 12 INCH x 12 INCH CONCRETE POST FLUSH WITH GROUND STAMPED "VILA 1993".</p> |
| <p>BYBE 1993</p> <p>THE STATION IS 2 MILES NORTHEAST OF THE CITY OF JACKSONVILLE; FROM INTERSECTION OF CALIFORNIA STREET AND N. OREGON STREET ON JACKSONVILLE HWY (STATE ROUTE #238) IN JACKSONVILLE; GO NORTHEAST ON JACKSONVILLE HWY FOR 1.57 MILES TO THE STATION ON SOUTH SIDE OF JACKSONVILLE HWY; 8.5 FEET SOUTH OF EDGE OF PAVEMENT AND 25.4 FEET WEST OF CURVE 30 MPH SIGN.</p> <p>SET 3 INCH DIAMETER GEODETIC CONTROL BRASS DISK WITH CASTED "OREGON STATE HIGHWAY DIVISION, DO NOT DISTURB, TRIANGULATION STA" IN 12 INCH x 12 INCH CONCRETE POST FLUSH WITH GROUND STAMPED "BYBE 1993".</p> | <p>PIPE 1993</p> <p>THE STATION IS 3.6 MILES NORTHEAST OF THE CITY OF MEDFORD; FROM PACIFIC HWY (I-5) AND CRATER LAKE HWY INTERCHANGE (I-5 MILEPOINT 30.30); GO EASTBOUND (NORTHERLY) ON CRATER LAKE HWY (STATE ROUTE 62) FOR 3.65 MILES TO EAST VILAS ROAD; GO EAST ON EAST VILAS ROAD FOR 0.47 MILE TO STATION ON NORTH SIDE; 10 FEET NORTH OF EDGE OF PAVEMENT OF EAST VILAS ROAD; 1.5 FEET SOUTH OF PIPE FENCE AND 25 FEET WEST OF PHONE POLE #11.</p> <p>SET 3 INCH DIAMETER GEODETIC CONTROL BRASS DISK WITH CASTED "OREGON STATE HIGHWAY DIVISION, DO NOT DISTURB, TRIANGULATION STA" IN 12 INCH x 12 INCH CONCRETE POST FLUSH WITH GROUND STAMPED "PIPE 1993".</p> |

HARN STATION DESCRIPTIONS

JUSTICE 1989, SEE NGS DATA SHEET (PID: NZ1325) FOUND 4" (0.10 m) BRASS DISK SET IN A DRILL HOLE IN THE ELEVATED PEBBLE/CONCRETE FLOOR AROUND THE FOUNTAIN, STAMPED "JUSTICE 1989".

ILLA 1989, SEE NGS DATA SHEET (PID: NZ1330) FOUND 4" (0.10 m) BRASS DISK SET IN A DRILL HOLE IN THE SOUTHEAST CORNER OF THE NORTH CONCRETE PAD, STAMPED "ILLA 1989".

FAIR 1989, SEE NGS DATA SHEET (PID: RD4324) FOUND 4" (0.10 m) BRASS DISK SET IN THE TOP OF A CONCRETE POST RECESSED 5 CM BELOW PAVEMENT ENCASED IN A CAST IRON MONUMENT BOX WITH COVER FLUSH WITH THE PAVEMENT, STAMPED "FAIR 1989".

JACKSON COUNTY SURVEY DESCRIPTIONS

JH20 1993, SEE JACKSON COUNTY SURVEY *15237, SET 3 INCH DIAMETER GEODETIC CONTROL BRASS DISK WITH CASTED "OREGON STATE HIGHWAY DIVISION, DO NOT DISTURB, TRIANGULATION STA" IN 12 INCH x 12 INCH CONCRETE POST FLUSH WITH GROUND STAMPED "JH20 1993".

BEAR 1993, SEE JACKSON COUNTY SURVEY *15237, SET 3 INCH DIAMETER GEODETIC CONTROL BRASS DISK WITH CASTED "OREGON STATE HIGHWAY DIVISION, DO NOT DISTURB, TRIANGULATION STA" IN 12 INCH x 12 INCH CONCRETE POST FLUSH WITH GROUND STAMPED "BEAR 1993".



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| COUNTY: JACKSON | DRAWN BY: GRC & MJA | KEY #: 03711 | SHEET | OF |
| SURVEY DATE: FEBRUARY 1994 | CHECKED BY: | FILE NAME: 03711GEO.DGN | 2 | 2 |