

ISLAND AVE. TRAFFIC SIGNAL MONUMENT RECOVERY AND CENTERLINE RESOLUTION SURVEY SITUATED IN THE SOUTH 1/2 OF THE SE 1/4, SECTION 5 AND SOUTH 1/2 OF THE SW 1/4, SECTION 4, T 3 S, R 38 E, W.M.

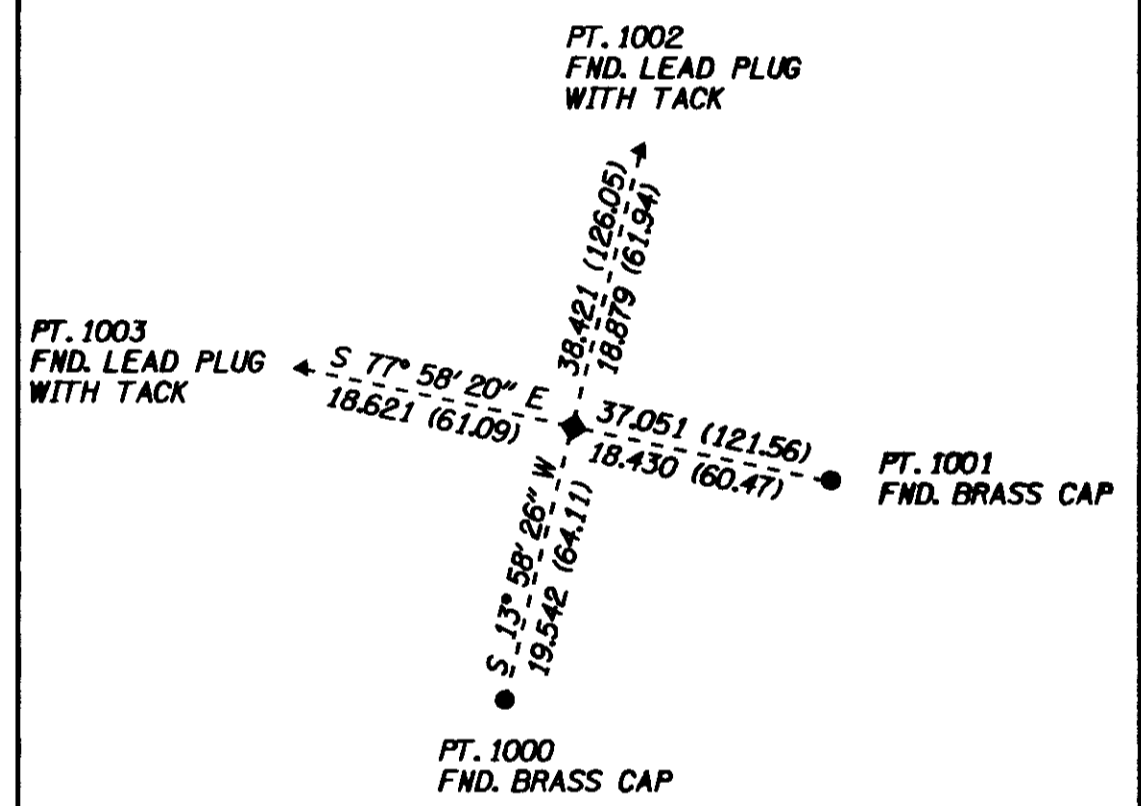
MONUMENT COORDINATE TABLE

POINT	NORTHING	EASTING	POINT	NORTHING	EASTING
NT1	10000.000	20000.000	SH1	10115.126	19970.304
NT2	10021.788	19983.871	SH2	10170.899	19968.799
NT3	10097.755	20150.735	SH3	10173.202	20045.514
NT4	10238.878	20317.946	SH4	10176.819	20166.282
1000	9760.736	19630.208	A1	10032.958	20165.359
1001	9775.800	19653.349	A2	9901.943	20169.074
1002	9798.020	19639.486	A3A	9644.992	20185.064
1003	9783.521	19617.111	A3B	9631.847	20183.842
1004	9885.567	19825.806	A3C	9631.460	20170.902
1005	9882.822	19893.004	A3D	9642.711	20168.357
1006	9886.826	19888.718	A3E	9644.843	20198.712
1007	9909.063	19887.761	A3F	9632.188	20195.341
1008	9916.488	19887.736	P1	9758.941	19987.414
1009	9925.780	19887.745	P2	9727.924	19988.273
1010	9945.577	19918.221	P3A	9640.289	20000.256
1011	10035.799	19948.960	P3B	9625.830	20000.741
PA1	9777.523	20176.711	P3C	9625.215	19991.434
PA2	9765.437	20177.116	P3D	9638.609	19986.631
PA3	9764.611	20168.930	SECCOR	9637.120	20182.697
PA4	9776.568	20168.347			

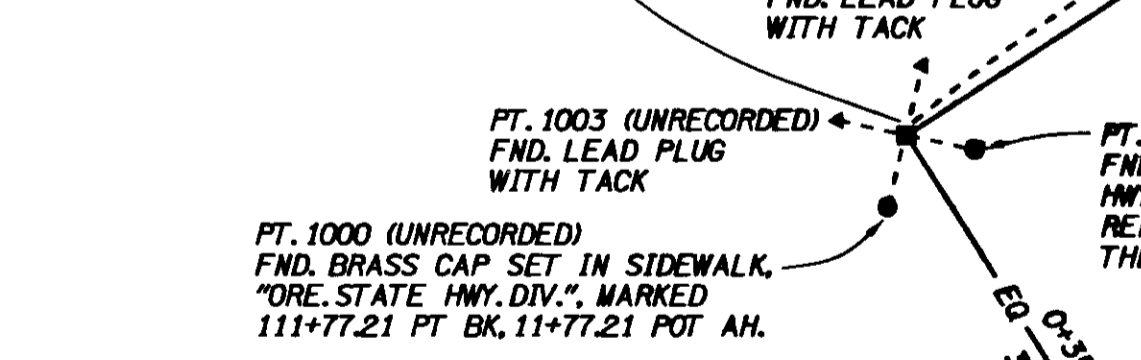
LEGEND

- CENTERLINE CONTROL POINT, POSITION ONLY
- FND. MONUMENT AS NOTED
- ▲ FND. LEAD PLUG WITH BRASS SCREW OR TACK
- ◆ HORIZONTAL CONTROL NETWORK POINT AS NOTED
- O.W.R.&N. RAILROAD (JOSEPH BRANCH)
- () MEASURED DISTANCE IN FEET
- [] RECORD DISTANCE IN FEET
- APPROX. BOUNDARY LINE, SCOTT HILL PROPERTY

NOT TO SCALE



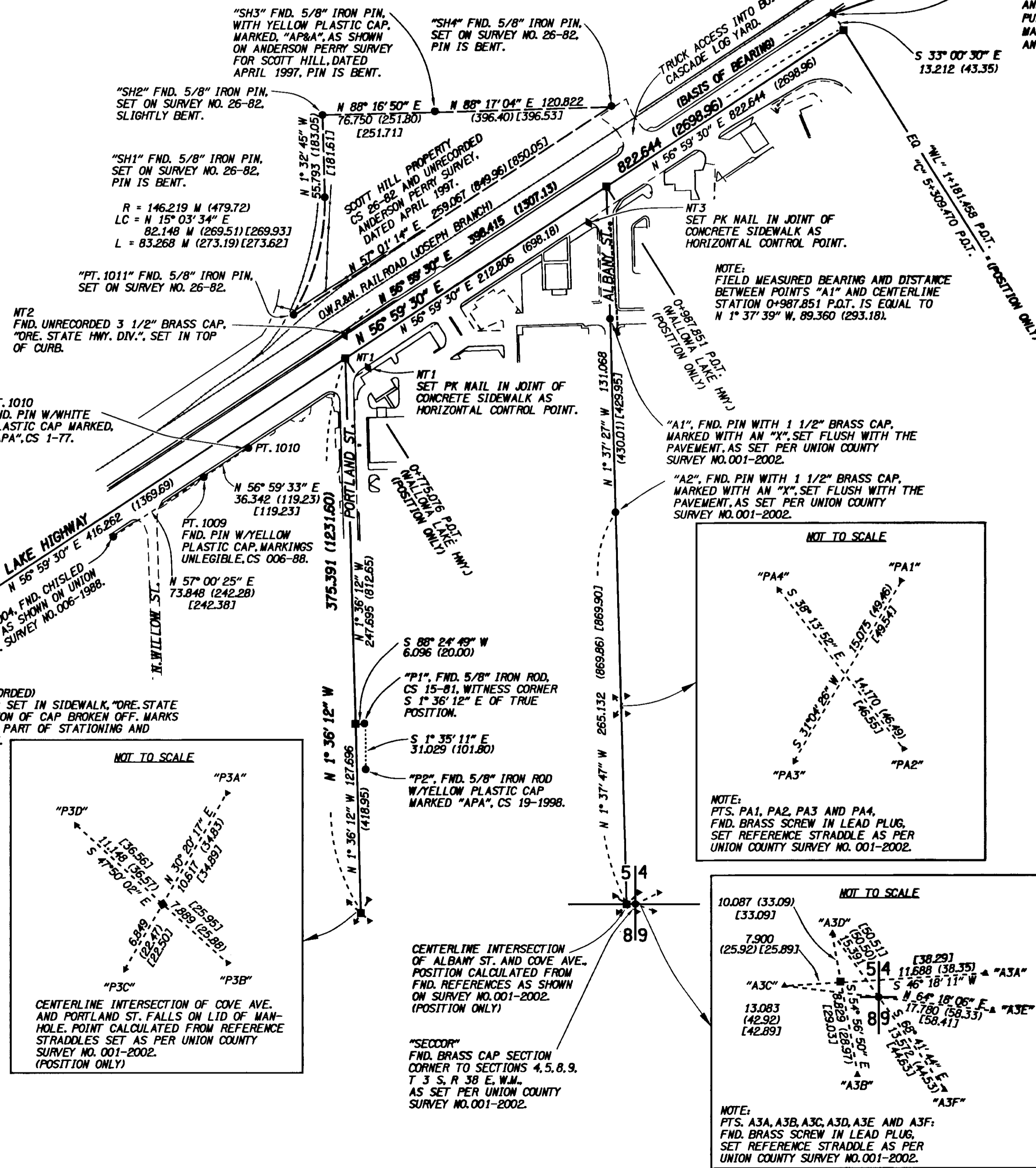
NOT TO SCALE



REFERENCES

- UNION CO. SURVEY NO. 001-2002
- ANDERSON PERRY SURVEY FOR SCOTT HILL, DATED APRIL 1997
- CONST. PLANS "ISLAND CITY STRIP SECTION", DATED JANUARY 2001 (ODOT)
- CONST. PLANS "ADAMS AVE. - OLD ORE. TRAIL SECTION", DATED SEPTEMBER 1973 (ODOT)
- UNION CO. SURVEY NO. 006-1988
- CONST. PLANS "WALLOWA LAKE HIGHWAY INTERCHANGE", REVISED AS CONSTRUCTED, DATED AUGUST 1974 (ODOT)
- ODOT RW MAP 88-36-3 (ORO DELL - UNION JUNCTION SECTION, MAY 1966)
- ODOT RW MAP 98-8-4, REVISION DATED DECEMBER 1976 (ADAMS AVE. - OLD OREGON TRAIL HIGHWAY) LAGRANDE SECTION
- UNION CO. SURVEY NO. 19-1998
- UNION CO. SURVEY NO. 15-81
- UNION CO. SURVEY NO. 26-82

NOTE:
SCOTT HILL PROPERTY IS SHOWN ON THIS SURVEY FOR DESIGN PURPOSES ONLY, AS PART OF THIS SIGNAL PROJECT A NEW TRUCK ACCESS INTO BOISE CASCADE WILL BE CONSTRUCTED AROUND THE PERIMETER OF THIS PROPERTY.



N 70° 50' 21\"/>

PT. "NHS"
FND. 1\"/>



SCALE

METRIC = 1:2000
CONVERSION FACTOR: 1 FOOT = 0.3048 METERS

SURVEY NARRATIVE

The purpose of this survey was to establish centerline control on a portion of the Wallowa Lake Highway, Portland Street and Albany Street for the purpose of constructing a new traffic signal at the intersection of Portland Street and Wallowa Lake Highway by the Oregon Department of Transportation (ODOT). Horizontal control for this survey was originally established from two found brass disks identified as points NT2 and NT4 on this survey. Point NT4 marks metric equation station "WL" 1+181.458 P.O.T. = "C" 5+309.470 P.O.T., with an offset of 22.25 feet left of centerline. This distance, which is stamped on the brass disk, reflects the offset distance to the original centerline of the Wallowa Lake Highway and not the current distance to centerline. I accepted this point as being at the same offset position as point NT4, and therefore use these two points as the Base of Bearing for this survey. Coordinates for this survey were assumed and then I rotated above mentioned points to match the bearing as shown on the construction plans for "Island City Strip Section", Wallowa Lake Highway, dated January 2001. Overall horizontal control was in the form of a series of set network points throughout the project area and then field measurements made using a Leica TCA 1800 Total Station. The field data was then reduced through a least squares adjustment computer program.

Centerline equation station "WL" 111+77.21 P.T. BK. = 11+77.21 P.O.T. AH., as shown on ODOT right of way map 98-8-4 and which is equal to metric station "WL" 3+406.818 P.T. BK. = 0+358.814 P.O.T. AH. on this survey, was established from found reference straddles, points 1000, 1001, 1002 and 1003, as shown on this survey. To establish the centerline of the Wallowa Lake Highway I then performed a bearing-bearing intersection from point NT4, using a bearing perpendicular to the base of bearing, and from said distance from points 1004, 1009 and 1010 which all calculated an offset distance of almost identical values and therefore concluded that the position of the found brass disks in relationship to other found monuments were essentially parallel to each other.

I established the centerline of Albany Street from found monuments as set in Union County survey number 001-2002 whereas a bearing-bearing intersection was calculated to determine the intersection point of Albany Street centerline with the centerline of the Wallowa Lake Highway. This resulted in a centerline station (metric) of 0+987.851 P.O.T.

I established the centerline of Portland Street from found monuments as set in Union County survey number 001-2002 at the intersection of Cove Avenue and Portland Street, and from another found monument on the easterly right of way of Portland Street, point P1 on this survey. I calculated a centerline position from point P1 which then gave me two points on this alignment. Extending this alignment northerly towards the Wallowa Lake Highway fit very well with existing curb lines. I then calculated a bearing-bearing intersection to determine the intersect point of this centerline for Portland Street with the centerline of the Wallowa Lake Highway which resulted in a centerline station (metric) of "WL" 0+775.076 P.O.T.

UNION COUNTY SURVEYOR

Date Received: 9/17/02
Date Filed: 9/18/02
By: P. Robinson Deary
File No: 036-2002

REGISTERED PROFESSIONAL LAND SURVEYOR
CURTIS B. STOCKHOFF
JULY 10, 1996
EXPIRES JUNE 30, 2004

SURVEY FOR OREGON DEPARTMENT OF TRANSPORTATION	
MONUMENT RECOVERY AND CENTERLINE RESOLUTION SURVEY	
LOCATION: SOUTH HALF OF THE SE 1/4, SECTION 5, SOUTH HALF OF THE SW 1/4, SECTION 4, T 3 S, R 38 E, W.M., UNION COUNTY OREGON	
SURVEYED BY: CURTIS B. STOCKHOFF	DRAFTED BY: CURTIS B. STOCKHOFF
DATE SURVEYED: MARCH 1, 2002	SHEET 1 OF 1