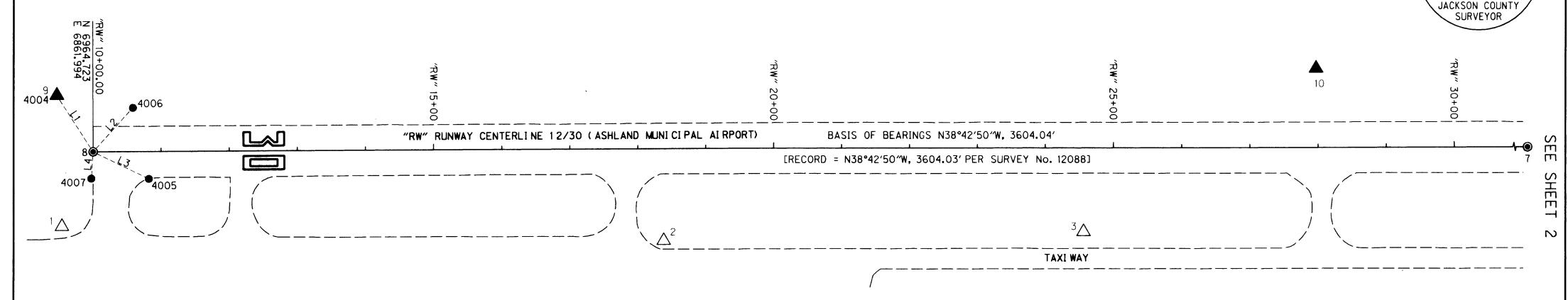
SHEET INDEX

- 1. NARRATIVE, SURVEY
- 2. CONTROL NARRATIVE, SURVEY

SW 1/4 SEC 12 T39S R1E WM SE 1/4 SEC 11 T39S R1E WM NE 1/4 SEC 11 T39S R1E WM

DATE Z:15-1! BY This survey consists of: _**_2_**_ sheet(s) Map _<u>0</u>_ page(s) Narrative



REFERENCE POINTS LINE TABLE

LINE NO.	BEARING	DISTANCE
L1	S 18°32′17″ W	98.32'
L2	N 86°09'36" W	86.75′
L3	N 12°31′36″ W	91.24′
L4	N 55°21′09″ E	39.51'

PROJECT LEGEND

[] RECORD DATA PER SURVEY NO. 12088

FOUND CONTROL POINT, NOTED IN TABLE

SET CONTROL POINT, NOTED IN TABLE

- SET MONUMENT, NOTED IN TABLE
- SET BRASS CAP, NOTED IN TABLE

— — EDGE OF EXISTING PAVEMENT

NARRATIVE

THE PURPOSE OF THIS SURVEY IS TO PERPETUATE THE POSITIONS OF ANY EXISTING SURVEY MONUMENTS OF RECORD THAT LIE WITHIN THE PROJECT AREA IN SUPPORT OF THE RECONSTRUCTION OF THE ASHLAND MUNICIPAL AIRPORT RUNWAY 12-30. THIS WAS ACCOMPLISHED BY TYING THE ORIGINAL FOUND CENTERLINE MONUMENTS (POINTS NUMBERED 7 AND 8) TO THE EXISTING PROJECT CONTROL NETWORK, PROVIDED BY THE ENIGINEER OF RECORD FOR THE PROJECT, PRIOR TO THEIR DESTRUCTION DURING THE CONSTRUCTION OF THE NEW RUNWAY. THE FOUND CENTERLINE MONUMENTS, AS WELL AS NEW REFERENCE POINTS WERE THEN RESET IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AS SHOWN HEREON. THIS SURVEY WAS MADE AT THE REQUEST OF CITY OF ASHLAND IN SUPPORT OF A PROJECT IN THE PREVIOUSLY DESCRIBED VICINITY. THE CENTERLINE OF THE RUNWAY WAS ESTABLISHED BY HOLDING THE ORIGINAL POSISTIONS OF THE CENTERLINE MONUMENTS AS SHOWN HEREON, NEW BRASS CAPS WERE SET IN PLACE OF THE ORIGINAL MONUMENTS AFTER THE RECONSTRUCTION OF THE RUNWAY WAS COMPLETE. THE RECORD BEARING FOR THE CENTERLINE OF THE RUNWAY WAS HELD PER SURVEY NUMBER 12088 AS SHOWN HEREON.

RPC = RED PLASTIC CAP

THIS SURVEY WAS PERFORMED IN APRIL THROUGH JULY OF 2011. THE SURVEY EQUIPMENT CONSISTED OF ONE TRIMBLE R8 GPS RECEIVER, ONE TRIMBLE S6 ROBOTIC TOTAL STATION AND ONE TRIMBLE TSC2 DATA COLLECTOR.

REFERENCES

SURVEY NUMBER 12088, RECORD CONSTRUCTION DRAWINGS FOR RUNWAY RE-HAB PROJECT

RTK (ORGN) GPS CALIBRATION TO PROJECT CONTROL RESIDUALS

РТ	ΙD	HORZ. CALIBRATION RESIDUAL		
1		0.021′		
2		0.014′		
3		0.021′		

SET MONUMENTS TABLE

SET	T MONUMENTS TABLE OPC = ORANGE PLASTIC CAP					
PT. NO.	NORTHING	EASTING	DATE	DESCRIPTION		
8	6964.72	6861.99	07/05/11	SET 3" BRASS CAP OVER 2" IRON PIPE IN CONCRETE, MARKED "CITY OF ASHLAND, SURVEY MARKER", FLUSH WITH TOP OF RUNWAY (MONUMENT SET AT ORIGINAL LOCATION, AS MEASURED PRIOR TO CONSTRUCTION OF THE NEW RUNWAY, ORIGINAL FOUND MONUMENT WAS A FOUND 3" BRASS CAP IN CONRETE MARKED "CITY OF ASHLAND, SURVEY MONUMENT", FLUSH IN RUNWAY)		
4004	6871.50	6830.73	07/05/11	SET 5/8" X 30" LONG REBAR WITH AN RPC MARKED "OBEC CONTROL", (CONTROL POINT *9)		
4005	7053.79	6842.20	07/05/11	SET 1" COPPER PLUG, MARKED "OBEC", FLUSH IN TOP OF CONTRETE		
4006	6970.53	6775.43	07/05/11	SET 5/8" X 30" LONG REBAR WITH AN OPC MARKED "OBEC LS 65452"		
4007	6987.18	6894.49	07/05/11	SET 1" COPPER PLUG. MARKED "OBEC", FLUSH IN TOP OF CONTRETE		

CONTROL POINT COORDINATE TABLE

RPC = RED PLASTIC CAP YPC = YELLOW PLASTIC CAP

NORTHING DESCRIPTION EASTING ID. FOUND 1/2" REBAR W/ YPC STAMPED "CONTROL", FLUSH WITH GROUND 6996.98 6976.25 FOUND 1/2" SMOOTH STEEL ROD, IN MONUMENT CASE, FLUSH, (FAA 503A) 7702.73 2 6442.96 FOUND 1/2" REBAR W/ YPC STAMPED "CONTROL", FLUSH WITH GROUND 8177.60 6047.25 3 SET 5/8" X 30" LONG REBAR WITH AN RPC MARKED " OBEC CONTROL", FLUSH 9 6871.50 6830.73 SET 5/8" X 30" LONG REBAR WITH AN RPC MARKED " OBEC CONTROL", FLUSH 8295.15 5647.70 10

BASIS OF BEARINGS:

TRUE MERIDIAN PER SURVEY NUMBER 12088 AT THE MONUMENTED CENTERLINE OF RUNWAY 12-30 OF THE ASHLAND MUNICIPAL AIRPORT

FILE NAME: 524-11_Mon.dgn

CONSULTING ENGINEERS

SCALE 1" = 100'

0 FEET

REGISTERED **PROFESSIONAL**

LAND SURVEYOR

OREGON

JULY 12, 2005

LOGAN MILES

65452

RENEWAL: DEC. 31, 2012

50

Corporate Office: 920 COUNTRY CLUB ROAD, SUITE 100B EUGENE, OREGON 97401-6089, 541-683-6090 2235 MISSION STREET SE, SUITE 100 SALEM, OREGON 97302-1295, 503-589-4100 831 O'HARE PARKWAY MEDFORD, OREGON 97504-4005, 541-774-5590 5005 SW MEADOWS ROAD, SUITE 120 LAKE OSWEGO, OREGON 97035, 503-620-6103

CITY OF ASHLAND

RE-MONUMENTATION SURVEY ASHLAND MUNICIPAL AIRPORT: RUNWAY RE-HAB CITY OF ASHLAND, JACKSON COUNTY, OREGON

CITY OF ASHLAND 20 EAST MAIN STREET ASHLAND, OR. 97520

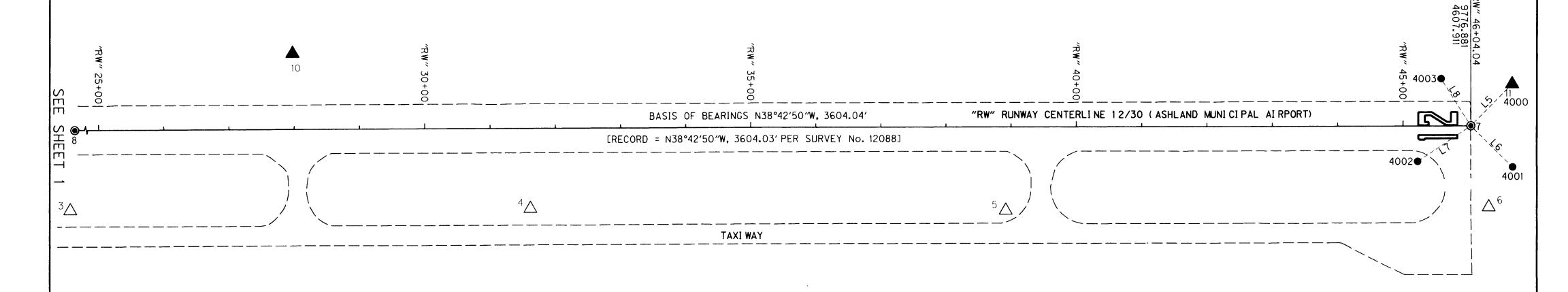
JULY, 2011 1" = 100' SHEET 1 OF 2

J. COLTON PROJ. NO. 0524-0011.00 DESIGNED: Logan Miles APPROVED BY: SURVEY GROUP MNGR. DRAWN: Logan Miles CHK'D: J. COLTON

DATES STIMES Me\Projects\0524\05240011\Survey\Final\524-11_Mon.dgn is Default

SW 1/4 SEC 12 T39S R1E WM SE 1/4 SEC 11 T39S R1E WM NE 1/4 SEC 11 T39S R1E WM

* * RECEIVED * DATE 7-15-1/ BY This survey consists of: \mathcal{L}_{\perp} sheet(s) Map _**/**_ page(s) Narrative JACKSON COUNTY SURVEYOR



REFERENCE POINTS LINE TABLE

LINE NO.	BEARING	DISTANCE
L5	N 83°40′01″ W	89.48′
L6	N 06°01′00″ E	89.58′
L7	S 72°15′24″ E	97.98′
L8	S 18°57′28″ W	84.89′

PROJECT LEGEND

[] RECORD DATA PER SURVEY NO. 12088

FOUND CONTROL POINT, NOTED IN TABLE

SET CONTROL POINT, NOTED IN TABLE

SET MONUMENT, NOTED IN TABLE

SET BRASS CAP, NOTED IN TABLE

- - EDGE OF EXISTING PAVEMENT

CONTROL NARRATIVE

PROJECT: RUNWAY 12-30 REHABILITATION LOCATION: ASHLAND MUNICIPAL AIRPORT, CITY OF ASHLAND COUNTY: JACKSON COUNTY OBEC PROJECT: 0524-0011.00 SURVEY DATUM: HORIZONTAL - ASSUMED COORDINATE BASE, PER PROVIDED CONTROL BEARINGS: CENTERLINE OF RUNWAY 12-30 PER SURVEY NUMBER 12088

HORIZONTAL CONTROL SURVEY

PROJECT CONTROL VALUES FOR POINTS 1 THROUGH 6 WERE ESTABLISHED BY THE DESIGN SURVEYOR AND PROVIDED TO OBEC BY THE DESIGN ENGINEER FOR USE ON THIS PROJECT. THE CONTROL POINT VALUES WERE HELD AND A CALIBRATION WAS PREFORMED WITH RESIDUALS SHOWN HERE ON. ADDITIONAL CONTROL POINTS 9, 10 AND 11 WERE THEN SET BASED ON THE PROVIDED CONTROL TO SUPPORT THE CONSTRUCTION OF THE PROJECT.

CONTROL POINTS FOR THIS SURVEY WERE NOT SET ON AND DO NOT REPRESENT PROPERTY LINES OR RIGHT-OF-WAY LINES AND ARE INTENDED FOR USE OF THE CITY OF ASHLAND AND OBEC CONSULTING ENGINEERS IN SUPPORT OF FUTURE PROJECTS. IT IS NOT THE INTENT OF THE CITY OF ASHLAND OR OBEC CONSULTING ENGINEERS TO PERPETUATE THESE CONTROL POINTS AS MONUMENTS.

RPC = RED PLASTIC CAP

RTK (ORGN) GPS CALIBRATION TO PROJECT CONTROL RESIDUALS

PT ID	HORZ. CALIBRATION RESIDUAL
4	0.011′
5	0.013′
6	0.019′

SET MONIMENTS TARIE

SET	MONUMENT	S TABLE		OPC = ORANGE PLASTIC CAP	_
PT.	NORTHING	EASTING	DATE	DESCRIPTION	
7	9776.88	4607.91	07/01/11	SET 3" BRASS CAP OVER 2" IRON PIPE IN CONCRETE, MARKED "CITY OF ASHLAND, SURVEY MARKER", FLUSH WITH TOP OF RUNWAY (MONUMENT SET AT ORIGINAL LOCATION, AS MEASURED PRIOR TO CONSTRUCTION OF THE NEW RUNWAY, ORIGINAL FOUND MONUMENT WAS A FOUND 3" BRASS CAP IN CONRETE MARKED "CITY OF ASHLAND, SURVEY MONUMENT", FLUSH IN RUNWAY)	
4000	9786.75	4518.98	07/01/11	SET 5/8" X 30" LONG REBAR WITH AN RPC MARKED "OBEC CONTROL", (CONTROL POINT *11)]
4001	9865.97	4617.30	07/01/11	SET 5/8" X 30" LONG REBAR WITH AN OPC MARKED "OBEC LS 65452"]
4002	9747.02	4701.23	07/01/11	SET 1" COPPER PLUG, MARKED "OBEC", FLUSH IN TOP OF CONTRETE	
4003	9696.59	4580.33	07/01/11	SET 5/8" X 30" LONG REBAR WITH AN OPC MARKED "OBEC LS 65452"	_

CONTROL POINT COORDINATE TABLE

RPC = RED PLASTIC CAP YPC = YELLOW PLASTIC CAP

PT. ID.	NORTHING	EASTING	DESCRIPTION		
4	8728.06	5606.05	FOUND 1/2" REBAR W/ YPC STAMPED "CONTROL", FLUSH WITH GROUND		
5	9300.59	5153.09	FOUND 1/2" SMOOTH STEEL ROD, IN MONUMENT CASE, FLUSH, (FAA 503B)		
6	9875.65	4687.87	FOUND 1/2" REBAR W/ YPC STAMPED "CONTROL", FLUSH WITH GROUND		
11	9786.75	4518.98	SET 5/8" X 30" LONG REBAR WITH AN RPC MARKED " OBEC CONTROL", FLUSH		

BASIS OF BEARINGS:

TRUE MERIDIAN PER SURVEY NUMBER 12088 AT THE MONUMENTED CENTERLINE OF RUNWAY 12-30 OF THE ASHLAND MUNICIPAL AIRPORT

Corporate Office: 920 COUNTRY CLUB ROAD, SUITE 100B EUGENE, OREGON 97401-6089, 541-683-6090

FILE NAME: 524-11_Mon.dgn



SCALE 1" = 100'

0 FEET

REGISTERED

PROFESSIONAL

LAND SURVEYOR

OREGON

JULY 12, 2005

LOGAN MILES 65452

RENEWAL: DEC. 31, 2012

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2235 MISSION STREET SE, SUITE 100 SALEM, OREGON 97302-1295, 503-589-4100 831 O'HARE PARKWAY MEDFORD, OREGON 97504-4005, 541-774-5590 5005 SW MEADOWS ROAD, SUITE 120 LAKE OSWEGO, OREGON 97035, 503-620-6103

CITY OF ASHLAND

RE-MONUMENTATION SURVEY ASHLAND MUNICIPAL AIRPORT: RUNWAY RE-HAB CITY OF ASHLAND, JACKSON COUNTY, OREGON

CITY OF ASHLAND 20 EAST MAIN STREET ASHLAND, OR. 97520

JULY, 2011 1" = 100' SHEET 2 OF 2

PROJ. NO. 0524-0011.00 DESIGNED: Logan Miles DRAWN: Logan Miles CHK'D: J. COLTON

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