

SHEET INDEX

1. NARRATIVES, CONTROL AND BASIS OF BEARING
2. REFERENCES, RECOVERY AND RETRACEMENT SURVEY

NE 1/4 SEC 26 T38S R1W WM

\*\*\* RECEIVED \*\*\*  
 DATE 8-17-11 BY *AB*  
 This survey consists of:  
 2 sheet(s) Map  
 2 page(s) Narrative  
 JACKSON COUNTY SURVEYOR

NARRATIVE

THE PURPOSE OF THIS SURVEY IS TO RESOLVE THE FIELD LOCATION OF THE RIGHT-OF-WAY MARGINS OF TALENT AVENUE BETWEEN ROGUE RIVER PARKWAY AND ARNOS STREET, THE RIGHT-OF-WAY MARGINS OF ROGUE RIVER PARKWAY SOUTHERLY OF TALENT AVENUE, AND A PORTION OF THE SOUTHEASTERLY LINE OF PARCEL 1 OF PARTITION PLAT NO. P-76-1990 IN TALENT, OREGON FOR A PARKING LOT IMPROVEMENT PROJECT AT THE CHUCK ROBERTS CITY PARK. THIS SURVEY WAS MADE AT THE REQUEST OF THE CITY OF TALENT AND THE OREGON DEPARTMENT OF TRANSPORTATION (ODOT).

THIS SURVEY ALSO MEETS THE REQUIREMENTS FOR A MONUMENT RECOVERY SURVEY AS OUTLINED IN THE OREGON REVISED STATUTES CHAPTER 209.155. PERPETUATION OF THE LOCATIONS OF SURVEY MONUMENTS OF RECORD WAS ACCOMPLISHED BY TYING THE MONUMENTS TO THE PROJECT CONTROL.

THE PORTION OF THE SOUTHEASTERLY LINE OF PARCEL 1 OF PARTITION PLAT NUMBER P-76-1990, COUNTY SURVEY NUMBER 12148, WAS RESOLVED BY HOLDING THE FOUND MONUMENTS TIED AS POINT NUMBERS 1002 AND 1009, AS SHOWN HEREON.

THIS SURVEY WAS PERFORMED IN MAY AND JULY OF 2011. THE SURVEY EQUIPMENT USED CONSISTED OF ONE TRIMBLE R8 GPS RECEIVER, ONE TRIMBLE S6 ROBOTIC TOTAL STATION, ONE TRIMBLE TSC2 DATA COLLECTOR, AND ONE MOTOROLA RAZR CELLULAR MODEM.

ROGUE RIVER PARKWAY - "R" LINE

THE RIGHT-OF-WAY MARGINS OF ROGUE RIVER PARKWAY WERE LOCATED BY HOLDING THE RIGHT-OF-WAY MONUMENTS AS SET PER COUNTY SURVEY NUMBERS 11358 AND 12148 (POINT NUMBERS 1013 AND 1000) AT THEIR RECORD OFFSET OF 20.00 FEET FROM CENTERLINE. THE RIGHT-OF-WAY CURVE NEAR THE INTERSECTION WITH TALENT AVENUE WAS RESOLVED BY HOLDING A CURVE OF RECORD RADIUS AND LENGTH FROM THE FOUND MONUMENT TIED AS POINT NUMBER 1000. THE RESULTING TANGENT BETWEEN CALCULATED POINTS 5000 AND 5001 IS A LINE TANGENT TO AFOREMENTIONED CURVE. STATIONING IS PROJECT SPECIFIC.

TALENT AVENUE - "T" LINE

THE RIGHT-OF-WAY MARGINS OF TALENT AVENUE WERE RESOLVED BY HOLDING THE FOUND MONUMENTS TIED AS POINT NUMBERS 1002 AND 1014 AT THE RECORD OFFSET FROM CENTERLINE. STATIONING IS BASED ON ODOT DRAWING NUMBER 4B-6-2 AND WAS ESTABLISHED BY HOLDING THE RECORD DISTANCE OF 235.78 FEET FROM CALCULATED POINT NUMBER 5002 AS SHOWN HEREON.

CONTROL NARRATIVE

PROJECT: CENTRAL POINT AND TALENT PARKING LOT IMPROVEMENTS  
 LOCATION: TALENT, JACKSON COUNTY, OREGON  
 OBEC PROJECT: 0019-0100.04  
 SURVEY DATUM:  
 HORIZONTAL - OCRS: GRANTS PASS-ASHLAND ZONE  
 NAD83 (CORS96) EPOCH 2002 (INTERNATIONAL FEET)

HORIZONTAL CONTROL SURVEY

PRIMARY CONTROL FOR THIS PROJECT WAS ESTABLISHED BY USING THE OREGON REAL TIME GPS NETWORK (ORGN) TO ESTABLISH HORIZONTAL POSITIONS FOR CONTROL POINTS 1 THROUGH 3. THE MEAN NORTHINGS AND EASTINGS OF TWO SEPARATE OBSERVATIONS UNDER DIFFERENT SATELLITE CONSTELLATIONS WERE HELD FIXED.

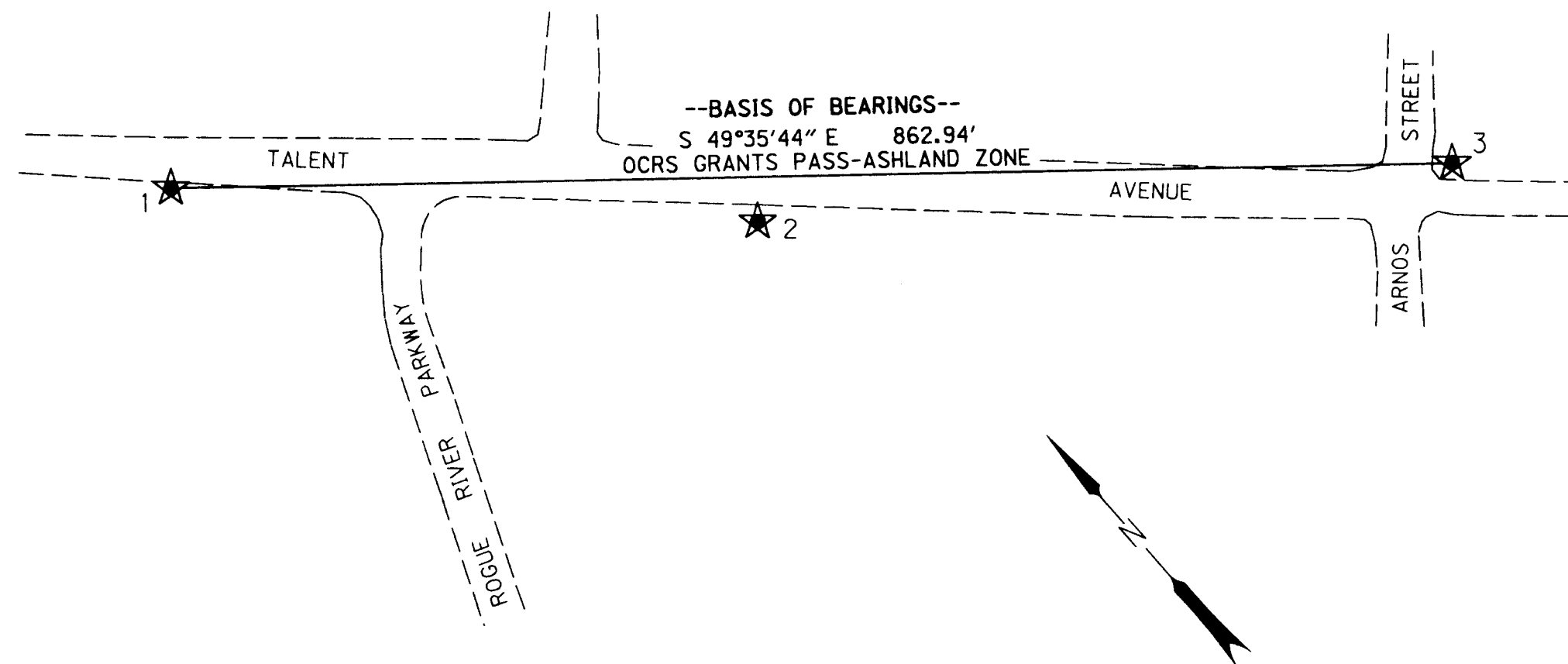
CONTROL POINTS FOR THIS SURVEY WERE NOT SET ON AND DO NOT REPRESENT PROPERTY LINES OR RIGHT-OF-WAY LINES AND ARE INTENDED FOR USE BY THE CITY OF TALENT AND OBEC CONSULTING ENGINEERS IN SUPPORT OF FUTURE PROJECTS. IT IS NOT THE INTENT OF THE CITY OF TALENT OR OBEC CONSULTING ENGINEERS TO PERPETUATE THESE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

VERTICAL CONTROL SURVEY

VERTICAL CONTROL IS BASED ON THE NAVD 88 (GEOID09) DATUM AND WAS ESTABLISHED BY HOLDING THE ORGN DERIVED ELEVATION OF CONTROL POINT NUMBER 2. A DIGITAL LEVEL CIRCUIT WAS THEN RUN THROUGH CONTROL POINTS 1 AND 3.

OREGON COORDINATE REFERENCE SYSTEM (OCRS)  
 GRANTS PASS-ASHLAND ZONE PARAMETERS

TRANSVERSE MERCATOR PROJECTION  
 NORTH AMERICAN DATUM 1983  
 LATITUDE OF GRID ORIGIN : 41°45'00" N  
 CENTRAL MERIDIAN : 123°20'00" W  
 FALSE NORTHING: 0.000 M (0.00 FT)  
 FALSE EASTING: 50,000.000 M (164041.9948 FT)  
 CENTRAL MERIDIAN SCALE: 1.000043 (EXACT)



1.96 SIGMA (95%) CONFIDENCE LEVEL  
 LIMITS-RTK GPS CONFIDENCE TABLE

PT NO	SOLUTION	RMS
1	WIDE AREA RTK - L1 FIXED	0.02'
2	WIDE AREA RTK - L1 FIXED	0.01'
3	WIDE AREA RTK - L1 FIXED	0.03'

RMS (ROOT MEAN SQUARE) AFTER A MINIMUM OF 180 MEASUREMENTS OF EACH BASE LINE INDICATES THE QUALITY OF THE SOLUTION BASED ON MEASUREMENT NOISE. THE LOWER THE RMS VALUE, THE HIGHER THE QUALITY OF THE BASELINE. RMS IS EXPRESSED IN FEET AND IS THE RADIUS OF THE ERROR CIRCLE WITHIN WHICH 95% OF THE POSITION FIXES ARE FOUND.

LEGEND  
 ★ SET GPS POINT  
 --- EDGE OF PAVEMENT

REGISTERED PROFESSIONAL LAND SURVEYOR  
 8/17/11  
 OREGON  
 JULY 12, 2005  
 ARON JAMES CUTSFORTH  
 65696  
 RENEWAL: DEC. 31, 2011

CONTROL POINT COORDINATE TABLE

PT. NO.	OCRS NORTHING	OCRS EASTING	ELEVATION	ELLIPSOID HEIGHT	GEOIDAL SEPARATION	CONVERGENCE ANGLE	DATE	DESCRIPTION
1	178687.52	314389.25	1633.87	1555.31	-78.56	0°22'24"	7/5/11	SET 1" COPPER PLUG IN CURB INLET STAMPED "OBEC"
2	178408.58	314670.55	1636.64	1558.09	-78.55	0°22'26"	7/5/11	SET 5/8" X 12" REBAR W/RPC STAMPED "OBEC CONTROL"
3	178128.18	315046.37	1636.74	1558.20	-78.54	0°22'29"	7/5/11	SET 1" COPPER PLUG IN CONCRETE SLAB STAMPED "OBEC"

RPC = RED PLASTIC CAP

APPROVED BY: J. COLTON	OBEC	DESIGNED: A. CUTSFORTH	DRAWN: A. CUTSFORTH	CHK'D: W. DONOVAN	PROJ. NO. 019-100.04
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OBEC CONSULTING ENGINEERS  
 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 OHARE PARKWAY MEDFORD, OREGON 97504-4005, 541-774-5590  
 5005 SW MEADOWS ROAD, SUITE 120 LAKE OSWEGO, OREGON 97035, 503-620-6103

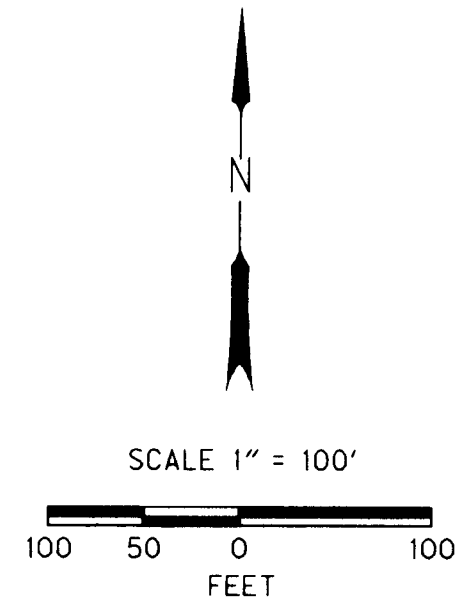
OREGON DEPARTMENT OF TRANSPORTATION

HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT SURVEY  
 CENTRAL POINT AND TALENT PARKING LOT IMPROVEMENTS  
 CITY OF TALENT, JACKSON COUNTY

ODOT REGION 3  
 100 ANTELOPE ROAD  
 WHITE CITY, OR 97503  
 AUGUST, 2011  
 1" = 100'  
 SHEET 1 OF 2

NE 1/4 SEC 26 T38S R1W WM

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 DATE 8-17-11 BY [Signature]  
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 - 2 - sheet(s) Map  
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LEGEND			
[ ]	RECORD DATA PER CS 12148	★	SET GPS POINT
( )	RECORD DATA PER ODOT DRAWING NO. 4B-6-2	—	RIGHT-OF-WAY
○	FOUND MONUMENT NOTED IN TABLE	—	PROPERTY LINE
□	CALCULATED POINT, NO MONUMENT FOUND OR SET	---	EDGE OF PAVEMENT
		-X-	EXISTING FENCE

REFERENCES

- CS 12148 (PART. PLAT NO. P-76-1990), BY LARRY J. FRIAR, FILED AUGUST 16, 1990
- CS 11358, BY DARREL W. EDWARDS, FILED OCTOBER 24, 1988
- CS 12279 (PART. PLAT NO. P-1360-1990), BY DARREL W. EDWARDS, FILED NOVEMBER 8, 1990
- CS 11585, BY DARREL W. EDWARDS, FILED MAY 9, 1989
- CS 16890, BY PAUL J. MORIN, FILED APRIL 12, 2001
- PLAT OF GRIMES SUBDIVISION UNIT NO. 1, BY ROBERT JOSEPH MILTS, RECORDED MARCH 7, 1979
- ODOT RIGHT-OF-WAY DRAWING NO. 4B-6-2

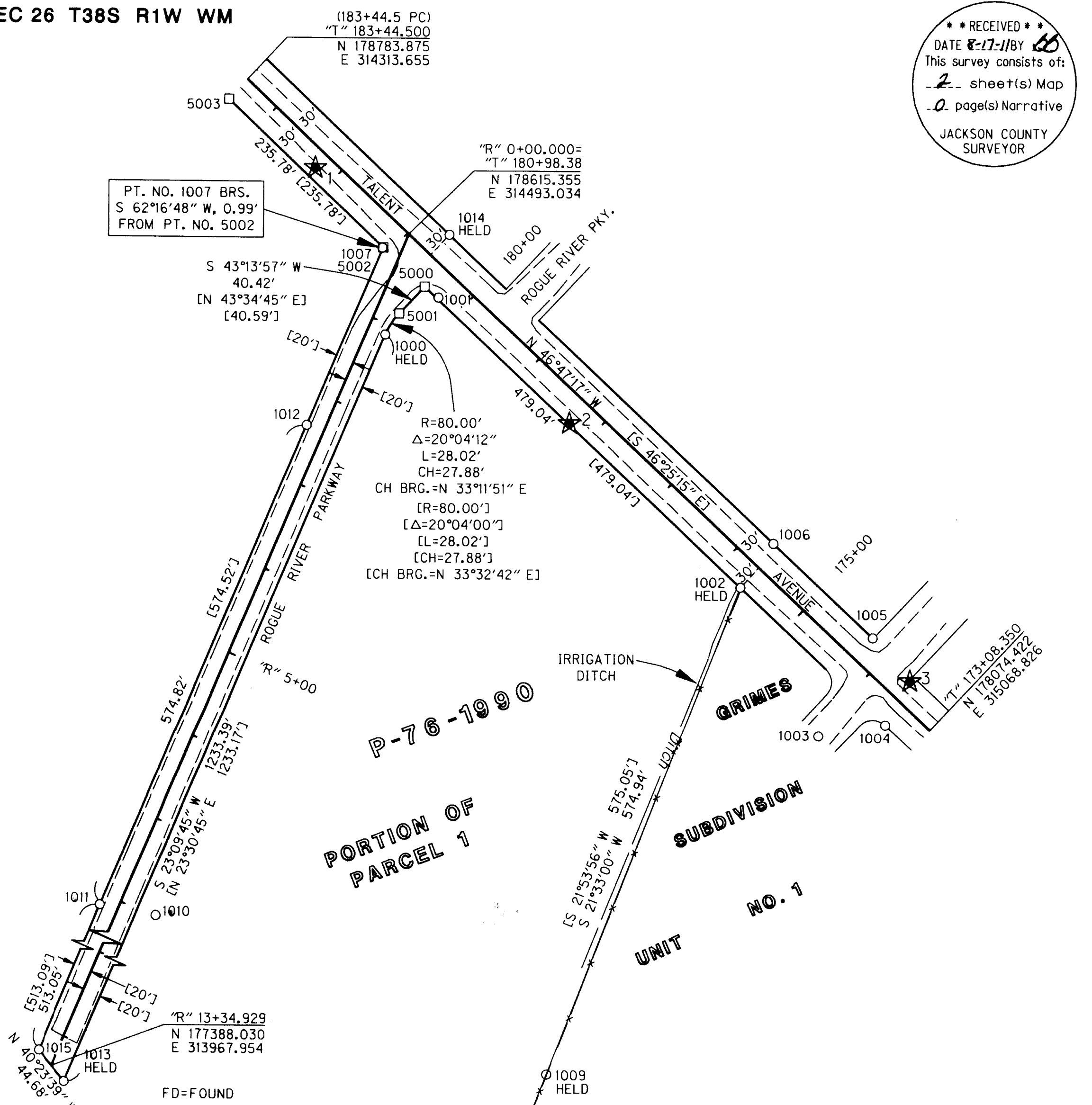
CALCULATED POINT LIST

PT NO	OCRS NORTHING	OCRS EASTING	STATION	OFFSET	DESCRIPTION
5000	178557.77	314510.52	"T" 180+46.20	30.00' LT	CALCULATED POINT, NO MONUMENT FOUND OR SET
5001	178528.32	314482.84	"R" 0+84.03	24.86' LT	CALCULATED POINT, NO MONUMENT FOUND OR SET
5002	178600.57	314464.96	"T" 181+08.72	30.00' LT	CALCULATED POINT, NO MONUMENT FOUND OR SET
5003	178762.01	314293.11	"T" 183+44.50	30.00' LT	CALCULATED POINT, NO MONUMENT FOUND OR SET

RECOVERED MONUMENT LIST

ALL FOUND MONUMENTS ARE IN GOOD CONDITION UNLESS NOTED OTHERWISE

PT NO	OCRS NORTHING	OCRS EASTING	STATION	OFFSET	DATE	DESCRIPTION & REFERENCE DOCUMENTS
1000	178504.99	314467.57	"R" 1+11.49	20.00' LT	7/22/11	FD 5/8" IRON ROD W/YPC (PUSHED DOWN ON ROD), FLUSH, PER CS 12148
1001	178545.99	314525.89	"T" 180+26.94	28.06' LT	7/22/11	FD 5/8" IRON ROD, DOWN 0.4', BENT, PER CS 16890, CONTROL POINT "W-1963"
1002	178229.76	314859.66	"T" 175+67.16	30.00' LT	7/22/11	FD 5/8" IRON ROD W/YPC STAMPED "DW EDWARDS PLS 741", DOWN 0.3', PER CS 11358
1003	178067.15	314946.13	"T" 173+92.80	89.31' LT	7/22/11	FD 2" BRASS DISK IN CONC. W/PUNCH MARK, FLUSH, PER PLAT OF GRIMES SUBDIVISION UNIT NO. 1
1004	178079.52	315019.57	"T" 173+47.74	30.01' LT	7/22/11	FD 5/8" IRON ROD, FLUSH, PER PLAT OF GRIMES SUBDIVISION UNIT NO. 1
1005	178175.17	315005.49	"T" 174+23.50	30.06' RT	7/22/11	FD 5/8" IRON ROD, DOWN 0.3', PER CS 7141
1006	178277.98	314895.86	"T" 175+73.79	29.92' RT	7/22/11	FD 5/8" IRON ROD W/YPC STAMPED "LJ FRIAR & ASSOC.", FLUSH, PER CS 20855
1007	178600.11	314464.08	"T" 181+09.05	30.94' LT	7/22/11	FD 5/8" IRON ROD, UP 0.1', PER CS 11358
1009	177695.02	314648.48	N/A	N/A	7/22/11	FD 5/8" IRON ROD, DOWN 0.3', PER CS 11358
1010	177865.54	314217.12	"R" 7+97.90	41.25' LT	7/22/11	FD 5/8" IRON ROD, DOWN 0.2', BENT, PER CS 11358
1011	177876.74	314155.28	"R" 8+11.93	20.01' RT	7/22/11	FD 5/8" IRON W/YPC (ILLEGIBLE), FLUSH, PER CS 11813
1012	178405.23	314381.39	"R" 2+37.11	20.00' RT	7/22/11	FD 5/8" IRON ROD, DOWN 0.1', BENT, PER CS 12148
1013	177371.02	313982.43	"R" 13+44.88	20.00' LT	7/22/11	FD 5/8" IRON ROD, DOWN 0.3', PER CS 11358
1014	178614.61	314537.64	"T" 180+65.36	30.00' RT	7/22/11	FD 5/8" IRON ROD W/YPC STAMPED "LJ FRIAR & ASSOC.", DOWN 0.1', PER CS 13997
1015	177405.07	313953.45	"R" 13+24.96	20.04' RT	7/22/11	FD 5/8" IRON ROD W/YPC (ILLEGIBLE), DOWN 0.2', PER CS 11358



OSCE CONSULTING ENGINEERS  
 Corporate Office: 920 COUNTRY CLUB ROAD, SUITE 100B EUGENE, OREGON 97401-6089, 541-683-6090  
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 5005 SW MEADOWS ROAD, SUITE 120 LAKE OSWEGO, OREGON 97035, 503-620-6103  
 www.osce.com

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 CENTRAL POINT AND TALENT PARKING LOT IMPROVEMENTS  
 CITY OF TALENT, JACKSON COUNTY  
 ODOT REGION 3 AUGUST, 2011  
 100 ANTELOPE ROAD 1" = 100'  
 WHITE CITY, OR 97503 KEY NO. 15695 SHEET 2 OF 2  
 DESIGNED: A. CUTSFORTH PROJ. NO. 019-100.04  
 DRAWN: A. CUTSFORTH CHK'D: W. DONOVAN