

RECORD OF SURVEY

A SURVEY LOCATED IN THE NW 1/4 OF SECTION 15 AND IN SECTION 16, TOWNSHIP 6 NORTH, RANGE 33 EAST OF THE WILLAMETTE MERIDIAN, UMATILLA COUNTY, OREGON.

BASIS OF BEARINGS

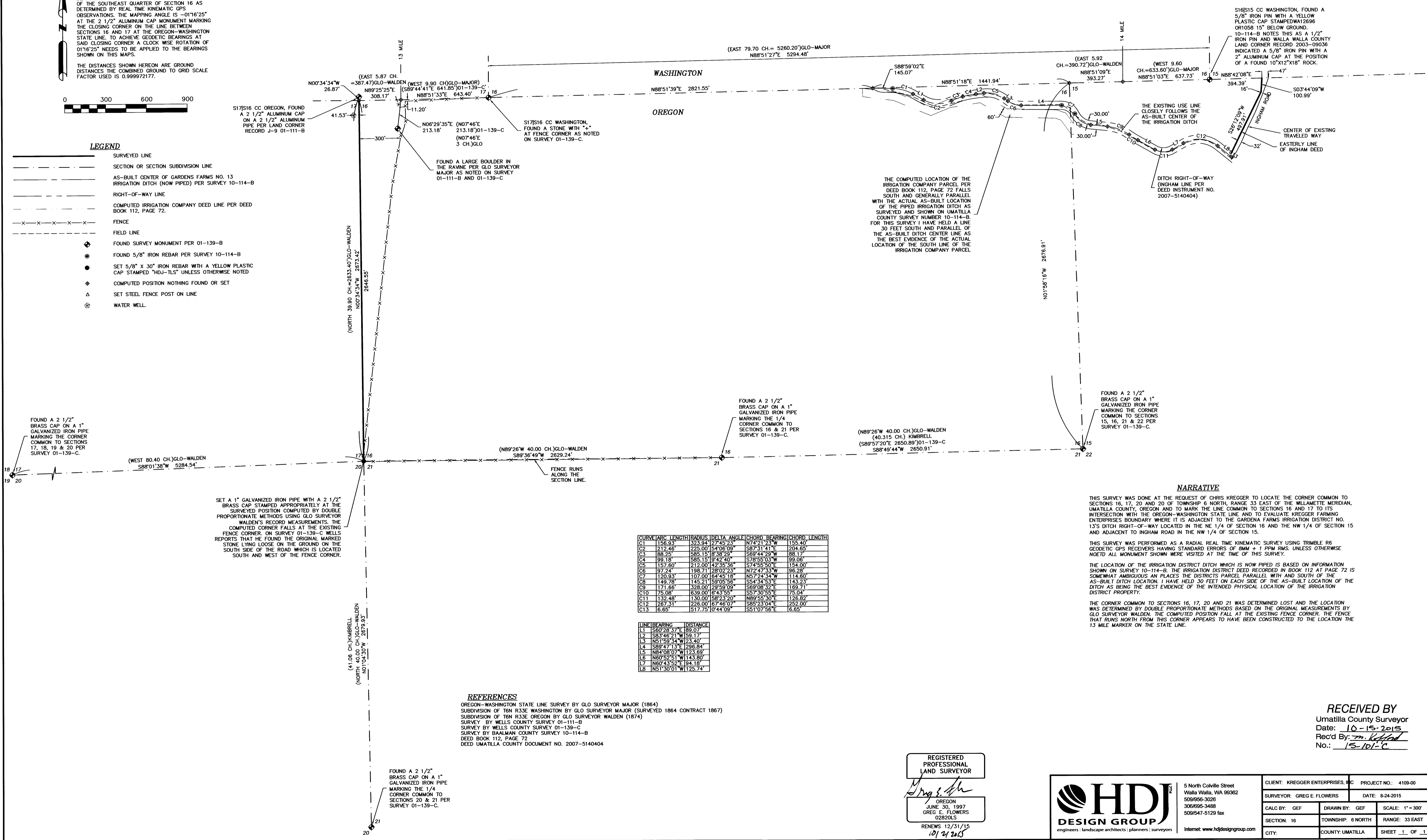
OREGON COORDINATE SYSTEM NORTH ZONE GRID BEARING OF S88°49'44"W ALONG THE SOUTH LINE OF THE SOUTHEAST QUARTER OF SECTION 16 AS DETERMINED BY REAL TIME KINEMATIC GPS OBSERVATIONS. THE MAPPING ANGLE IS -01°16'25" AT THE 2 1/2" ALUMINUM CAP MONUMENT MARKING THE CLOSING CORNER ON THE LINE BETWEEN SECTIONS 16 AND 17 AT THE OREGON-WASHINGTON STATE LINE. TO ACHIEVE GEODETIC BEARINGS AT SAID CLOSING CORNER A CLOCK WISE ROTATION OF 01°16'25" NEEDS TO BE APPLIED TO THE BEARINGS SHOWN ON THIS MAPS.

THE DISTANCES SHOWN HEREON ARE GROUND DISTANCES THE COMBINED GROUND TO GRID SCALE FACTOR USED IS 0.999972177.



LEGEND

- SURVEYED LINE
- - - SECTION OR SECTION SUBDIVISION LINE
- - - AS-BUILT CENTER OF GARDENS FARMS NO. 13 IRRIGATION DITCH (NOW PIPED) PER SURVEY 10-114-B
- - - RIGHT-OF-WAY LINE
- - - COMPUTED IRRIGATION COMPANY DEED LINE PER DEED BOOK 112, PAGE 72.
- - - FENCE
- - - FIELD LINE
- ⊕ FOUND SURVEY MONUMENT PER 01-139-B
- ⊙ FOUND 5/8" IRON REBAR PER SURVEY 10-114-B
- SET 5/8" X 30" IRON REBAR WITH A YELLOW PLASTIC CAP STAMPED "HDJ-TLS" UNLESS OTHERWISE NOTED
- ⊕ COMPUTED POSITION NOTHING FOUND OR SET
- △ SET STEEL FENCE POST ON LINE
- ⊙ WATER WELL



SET A 1" GALVANIZED IRON PIPE WITH A 2 1/2" BRASS CAP STAMPED APPROPRIATELY AT THE SURVEYED POSITION COMPUTED BY DOUBLE PROPORTIONATE METHODS USING GLO SURVEYOR WALDEN'S RECORD MEASUREMENTS. THE COMPUTED CORNER FALLS AT THE EXISTING FENCE CORNER. ON SURVEY 01-139-C WELLS REPORTS THAT HE FOUND THE ORIGINAL MARKED STONE LYING LOOSE ON THE GROUND ON THE SOUTH SIDE OF THE ROAD WHICH IS LOCATED SOUTH AND WEST OF THE FENCE CORNER.

THE COMPUTED LOCATION OF THE IRRIGATION COMPANY PARCEL PER DEED BOOK 112, PAGE 72 FALLS SOUTH AND GENERALLY PARALLEL WITH THE ACTUAL AS-BUILT LOCATION OF THE PIPED IRRIGATION DITCH AS SURVEYED AND SHOWN ON UMATILLA COUNTY SURVEY NUMBER 10-114-B. FOR THIS SURVEY I HAVE HELD A LINE 30 FEET SOUTH AND PARALLEL OF THE AS-BUILT DITCH CENTER LINE AS THE BEST EVIDENCE OF THE ACTUAL LOCATION OF THE SOUTH LINE OF THE IRRIGATION COMPANY PARCEL.

NARRATIVE

THIS SURVEY WAS DONE AT THE REQUEST OF CHRIS KREGGER TO LOCATE THE CORNER COMMON TO SECTIONS 16, 17, 20 AND 21 OF TOWNSHIP 6 NORTH, RANGE 33 EAST OF THE WILLAMETTE MERIDIAN, UMATILLA COUNTY, OREGON AND TO MARK THE LINE COMMON TO SECTIONS 16 AND 17 TO ITS INTERSECTION WITH THE OREGON-WASHINGTON STATE LINE AND TO EVALUATE KREGGER FARMING ENTERPRISES BOUNDARY WHERE IT IS ADJACENT TO THE GARDENA FARMS IRRIGATION DISTRICT NO. 13'S DITCH RIGHT-OF-WAY LOCATED IN THE NE 1/4 OF SECTION 16 AND THE NW 1/4 OF SECTION 15 AND ADJACENT TO INGHAM ROAD IN THE NW 1/4 OF SECTION 15.

THIS SURVEY WAS PERFORMED AS A RADIAL REAL TIME KINEMATIC SURVEY USING TRIMBLE R6 GEODETIC GPS RECEIVERS HAVING STANDARD ERRORS OF 8MM + 1 PPM RMS. UNLESS OTHERWISE NOTED ALL MONUMENT SHOWN WERE VISITED AT THE TIME OF THIS SURVEY.

THE LOCATION OF THE IRRIGATION DISTRICT DITCH WHICH IS NOW PIPED IS BASED ON INFORMATION SHOWN ON SURVEY 10-114-B. THE IRRIGATION DISTRICT DEED RECORDED IN BOOK 112 AT PAGE 72 IS SOMEWHAT AMBIGUOUS IN PLACES THE DISTRICTS PARCEL PARALLEL WITH AND SOUTH OF THE AS-BUILT DITCH LOCATION. I HAVE HELD 30 FEET ON EACH SIDE OF THE AS-BUILT LOCATION OF THE DITCH AS BEING THE BEST EVIDENCE OF THE INTENDED PHYSICAL LOCATION OF THE IRRIGATION DISTRICT PROPERTY.

THE CORNER COMMON TO SECTIONS 16, 17, 20 AND 21 WAS DETERMINED LOST AND THE LOCATION WAS DETERMINED BY DOUBLE PROPORTIONATE METHODS BASED ON THE ORIGINAL MEASUREMENTS BY GLO SURVEYOR WALDEN. THE COMPUTED POSITION FALL AT THE EXISTING FENCE CORNER. THE FENCE THAT RUNS NORTH FROM THIS CORNER APPEARS TO HAVE BEEN CONSTRUCTED TO THE LOCATION THE 13 MILE MARKER ON THE STATE LINE.

CURVE	ARC LENGTH	RADIUS	DELTA ANGLE	CHORD BEARING	CHORD LENGTH
C1	156.93	323.94	127.45 23°	N74°21'23"W	155.40
C2	212.46	225.00	54°06'09"	S87°31'41"E	204.65
C3	88.25	585.15	8°38'29"	S69°44'29"W	88.17
C4	99.18	585.15	8°42'40"	S78°55'03"W	99.06
C5	157.60	212.00	42°35'36"	S74°55'50"E	154.00
C6	97.24	198.71	28°02'23"	N72°47'33"W	96.28
C7	120.93	107.00	64°45'18"	N57°24'34"W	114.60
C8	149.78	145.21	159°05'56"	S54°34'53"E	143.23
C9	171.66	328.00	29°59'09"	S69°08'32"E	169.71
C10	75.08	639.00	6°43'55"	S57°30'55"E	75.04
C11	132.48	130.00	58°23'20"	N89°55'30"E	126.82
C12	267.31	226.00	67°46'07"	S85°23'04"E	252.00
C13	6.65	517.75	0°44'09"	S51°07'58"E	6.65

LINE	BEARING	DISTANCE
L1	S87°28'37"E	89.07
L2	S87°49'21"W	59.17
L3	N51°59'34"W	23.40
L4	S89°47'13"E	296.84
L5	N84°08'07"W	123.69
L6	N60°52'51"W	143.80
L7	N60°43'52"E	94.18
L8	N51°30'01"W	125.74

REFERENCES

- OREGON-WASHINGTON STATE LINE SURVEY BY GLO SURVEYOR MAJOR (1864)
- SUBDIVISION OF T6N R33E WASHINGTON BY GLO SURVEYOR MAJOR (SURVEYED 1864 CONTRACT 1867)
- SUBDIVISION OF T6N R33E OREGON BY GLO SURVEYOR WALDEN (1874)
- SURVEY BY WELLS COUNTY SURVEY 01-111-B
- SURVEY BY WELLS COUNTY SURVEY 01-139-C
- SURVEY BY BAALMAN COUNTY SURVEY 10-114-B
- DEED BOOK 112, PAGE 72
- DEED UMATILLA COUNTY DOCUMENT NO. 2007-5140404

REGISTERED PROFESSIONAL LAND SURVEYOR
 GREG E. FLOWERS
 OREGON
 JUNE 30, 1997
 GREG E. FLOWERS
 02820LS
 RENEWS 12/31/15
 10/24/2015

HDJ DESIGN GROUP
 engineers | landscape architects | planners | surveyors
 5 North Colville Street
 Walla Walla, WA 99362
 509/956-3026
 308/695-3488
 509/547-5129 fax
 Internet: www.hdjdesigngroup.com

RECEIVED BY
 Umatilla County Surveyor
 Date: 10-15-2015
 Rec'd By: *m. Koffel*
 No.: 15-101-C

CLIENT: KREGGER ENTERPRISES, INC	PROJECT NO.: 4109-00
SURVEYOR: GREG E. FLOWERS	DATE: 8-24-2015
CALC BY: GEF	DRAWN BY: GEF
SCALE: 1" = 300'	
SECTION: 16	TOWNSHIP: 6 NORTH
RANGE: 33 EAST	
CITY:	COUNTY: UMATILLA
SHEET 1 OF 1	