RECORD OF SURVEY

A TRACT OF LAND LOCATED IN THE EAST HALF OF LOT 4, BLOCK 105, WARDWELL'S ADDITION TO THE CITY OF UMATILLA, SITUATED IN THE NW 1/4 , SE 1/4, SECTION 17, TWP. 5 NORTH, RANGE 28, EAST OF THE WILLAMETTE MERIDIAN, UMATILLA COUNTY, OREGON.

SURVEY NOTES: ALL DISTANCES ARE IN RELATION TO THE CALCULATED BEST FIT PLAT LINES, NOT CARDINAL CALLS.

1. 5/8" SMOOTH IRON BAR, HELD POSITION FOR NORTHING AND EASTING OF CENTERLINE OF "L" AND 3RD.
2. PK NAIL, 0.55'WEST, AND ONLINE NORTH-SOUTH OF THE CENTERLINE OF "J" AND 5TH.
3. CONCRETE NAIL, 0.62' WEST, AND 0.51' SOUTH OF CENTERLINE OF "I" AND 5TH.
4. PK NAIL, 0.75' WEST, AND 0.17' NORTH OF CENTERLINE OF "F" AND 5TH.
5. PK NAIL, 0.84' WEST, AND 0.13' NORTH OF CENTERLINE OF "D" AND 5TH.
6. 1/2" BAR, ONLINE EAST-WEST, AND 0.22' SOUTH OF CENTERLINE OF "E" AND 7TH.
7. 1/2" BAR (APPEARS TO BE SQUARE, ONLINE EAST-WEST, AND 0.22' SOUTH OF CENTERLINE OF "G" AND 7TH.
8. 1/2" REBAR, EDWARDS, 0.35' EAST, AND 0.44' SOUTH OF CALC'D SE CORNER OF BLOCK 86, WARDWELL'S ADD.
9. 1/2" BAR, 0.37' EAST, AND 0.26' SOUTH OF CENTERLINE OF "I" AND 7TH.
10. 1/2" REBAR, EDWARDS, 0.39' EAST, AND 0.42' SOUTH OF THE CALC'D N.E. CORNER OF BLOCK 94, WARDWELL'S ADD.
11. 1/2" BAR, ONLINE EAST-WEST, AND 0.29' NORTH OF CENTERLINE OF "K" AND 7TH.
12. 1/2" REBAR, EDWARDS, 0.38' EAST, AND 0.33' SOUTH OF THE CALC'D N.W. CORNER OF BLOCK 91, WARDWELL'S ADD.
13. 1/2" BAR, ONLINE EAST-WEST, AND 0.54' NORTH OF CENTERLINE OF "L" AND 7TH.
14. 5/8" REBAR, EDWARDS, ONLINE EAST-WEST.
15. 5/8" REBAR, EDWARDS, 0.08' EAST, AND 0.77' SOUTH OF CALC'D N.E. CORNER LOT 5, BLOCK 91, WARDWELL'S ADD.
16. 5/8" REBAR, EDWARDS, 0.32' EAST, AND 0.91' SOUTH OF CALC'D CENTERLINE EXTENSION OF 8TH STREET TO EAST R.O.W.
17. 5/8" REBAR, EDWARDS, 0.21' EAST, AND 0.84' SOUTH OF CALC'D N.E. CORNER OF LOT 4, BLOCK 105, WARDWELL'S ADD.
18. 5/8" BAR, 0.11' WEST, AND 1.42' SOUTH OF CALC'D. CENTERLINE ALLEY AT INTERSECTION WITH THE EXTENSION OF THE EAST LINE OF LOT 4, BLOCK 105, WARDWELL'S ADD.
19. 1/2" REBAR, EDWARDS, ON THE CALCULATED WEST LINE OF BROWNELL'S ADD.
20. 1/2" REBAR, EDWARDS, 0.24' WEST, AND 0.92' SOUTH OF CALC'D S.W. CORNER OF BLOCK 91, WARDWELL'S ADD.
21. 5/8" BAR, 0.43' WEST, AND 1.46' SOUTH OF CENTERLINE OF "K" AND 8TH.
22. 1/2" REBAR, EDWARDS, 0.54' EAST, AND 0.51' SOUTH OF CALC'D S.W. CORNER OF BLOCK 94, WARDWELL'S ADD.
23. THE SANITARY SEWER SERVICE TO THE IS ON THE NORTH SIDE OF THE SCHOOL IN 7TH STREET.

REFERENCE DOCUMENTS

WARDWELL'S ADDITION TO THE TOWN OF UMATILLA, APRIL 26, 1866.
BROWNELL'S ADDITION TO THE CITY OF UMATILLA, OCTOBER 4, 1944.

COUNTY SURVEY NO. J-28-A, EDWARDS, JULY 1975.
COUNTY SURVEY NO. M-86-A, HARRIS, MAY 31, 1977.
COUNTY SURVEY NO. B-17-A, GIERING, DATE NOT LEGIBLE.
COUNTY SURVEY NO. 00-66-B, EDWARDS, MARCH 2000.
COUNTY SURVEY NO. Q-1176-AX, EDWARDS, AUGUST 20,1979.
COUNTY SURVEY NO. 98-101-C, WELLS, MAY 1998.
COUNTY SURVEY NO. 89-71-B, EDWARDS, AUGUST 28, 1989.
STATUTORY WARRANTY DEED 2008-5400264, JULY 28,2008.

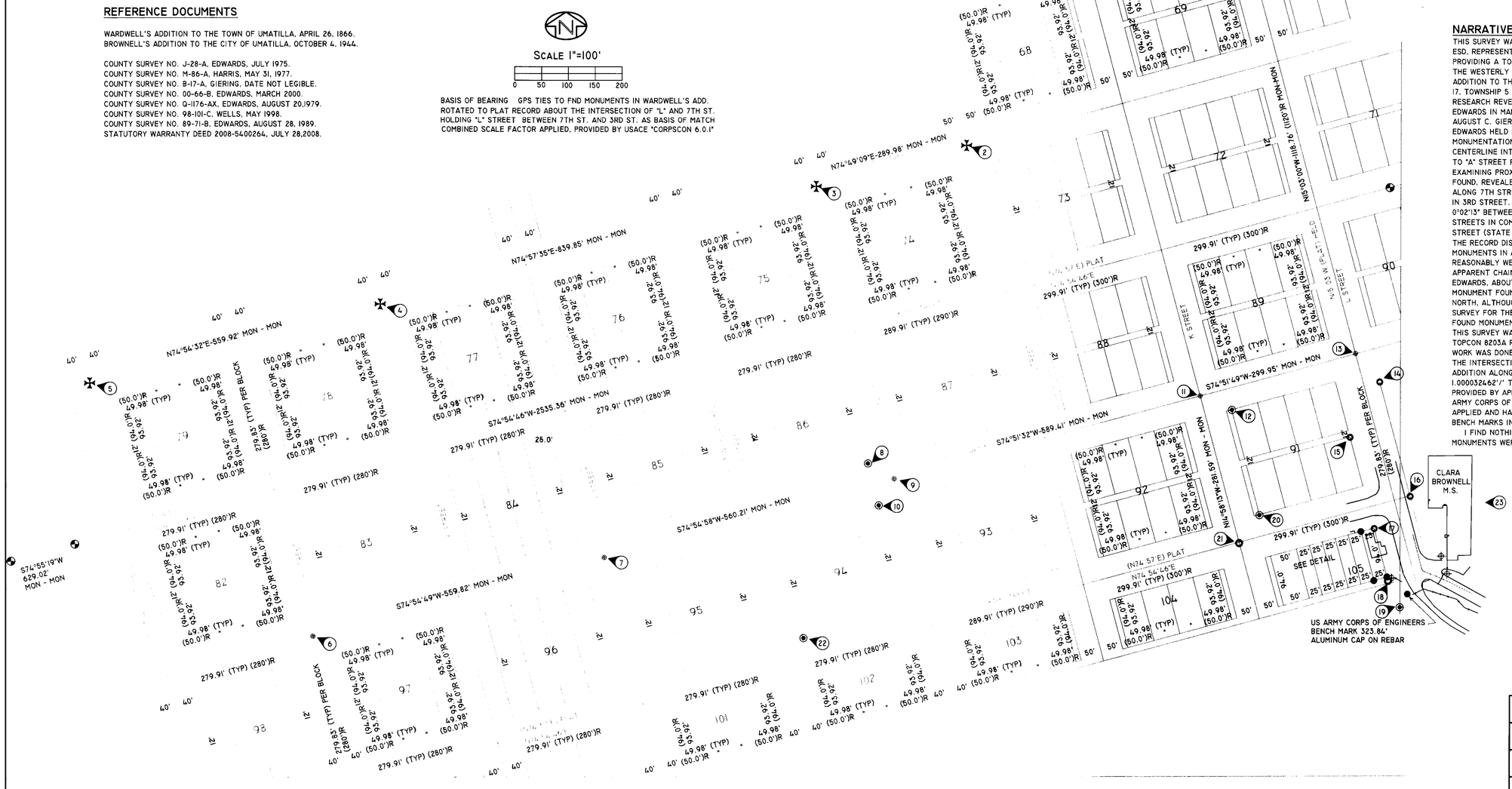
SCALE 1"=100'

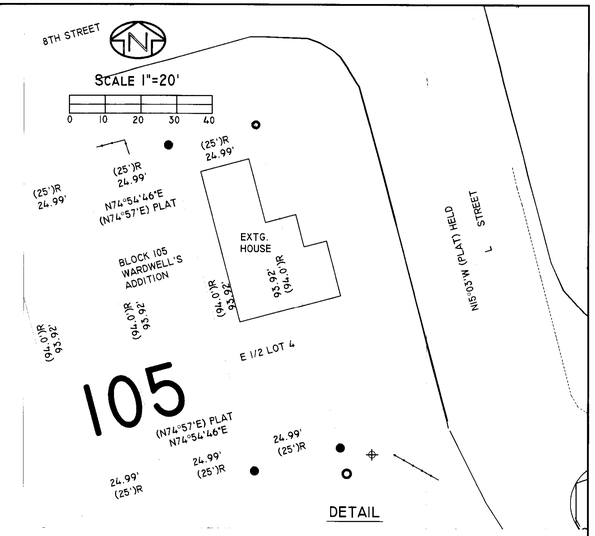
0 50 100 150 200

BASIS OF BEARING GPS TIES TO FND MONUMENTS IN WARDWELL'S ADD. ROTATED TO PLAT RECORD ABOUT THE INTERSECTION OF "L" AND 7TH ST. HOLDING "L" STREET BETWEEN 7TH ST. AND 3RD ST. AS BASIS OF MATCH COMBINED SCALE FACTOR APPLIED, PROVIDED BY USACE "CORPSCON 6.0.1"

LEGEND

- SET 5/8" X 30" IRON REBAR WITH PLASTIC CAP MARKED ORPLS 43406
- FOUND BRASS CAP MONUMENT, AS NOTED.
- FOUND MONUMENT, AS NOTED.
- FOUND 3/8" REBAR, EDWARDS SURVEYS, AS REFERENCED.
- FOUND 1/2" REBAR, EDWARDS SURVEYS, AS REFERENCED.
- FOUND 1/2" REBAR. NOT OF RECORD.
- FOUND 3/8" REBAR. NOT OF RECORD.
- FOUND P.K. NAIL OR CONCRETE NAIL NOT OF RECORD.
- x CALCULATED POSITION ONLY NOT SET OR FOUND
- EXISTING POWER POLE
- NOTE LEADER
- EXISTING FENCES
- (XXX)R RECORD FROM WARDWELL'S ADDTN.





DETAIL

NARRATIVE OF SURVEY

THIS SURVEY WAS PERFORMED AT THE REQUEST OF RANDY HINRICHSEN, OF WILLAMETTE ESD, REPRESENTATIVE OF UMATILLA SCHOOL DISTRICT NO. 6R, FOR THE PURPOSE OF PROVIDING A TOPOGRAPHIC MAP FOR CONSTRUCTION AND LOCATING AND MONUMENTING THE WESTERLY CORNERS OF EASTERLY HALF OF LOT 4, BLOCK 105 OF WARDWELL'S ADDITION TO THE TOWN OF UMATILLA, SITUATE IN THE SE 1/4 OF THE NW 1/4 OF SECTION 17, TOWNSHIP 5 NORTH, RANGE 28, EAST OF THE WILLAMETTE MERIDIAN. RECORD RESEARCH REVEALED THAT THERE WERE SEVERAL SURVEYS PERFORMED BY G. DENNIS EDWARDS IN MANY OF THE ADJOING BLOCKS IN THE GENERAL VICINITY AND ONE BY AUGUST C. GIERING ALONG THE SOUTHERLY BOUNDARY OF THE SITE. VARIATIONS IN WHAT EDWARDS HELD FOR CONTROL IN THE OTHER BLOCKS LED ME TO FURTHER SEARCH FOR MONUMENTATION THAT COULD TIE ALL THE SURVEY CONTROL TOGETHER. SEARCHING THE CENTERLINE INTERSECTIONS OF THE STREETS FROM 8TH NORTH TO 3RD, AND "L" WEST TO "A" STREET REVEALED MANY MONUMENTS (NOT OF RECORD), AS SHOWN ON THIS PLAT. EXAMINING PROXIMITY AND RELATIONSHIP BETWEEN ALL THE CENTERLINE MONUMENTS FOUND, REVEALED A REASONABLY CONSISTENT CHAINING ERROR RUNNING EAST TO WEST ALONG 7TH STREET, AND LIKEWISE ALONG "L" STREET NORTH TO THE MONUMENT FOUND IN 3RD STREET. ANGULAR COMPARISONS BETWEEN FOUND MONUMENTS A VARIATION OF 0°02'13" BETWEEN THE CENTERLINES OF THE NUMBERED STREETS TO THE ALPHABETIZED STREETS IN COMPARING MEASURED AND RECORD. HOLDING THE CENTERLINE OF 6TH STREET (STATE HWY.) AND APPLYING SCALING FACTORS FOR THE CHAINING ERRORS TO THE RECORD DISTANCES NORTH AND SOUTH SHOWED SLIGHT VARIATIONS IN THE MONUMENTS IN ALIGNMENT AND DISTANCE, BUT MOST PROVED CONSISTENT, AND REASONABLY WELL BALANCED. IN APPLYING SAID FOUND MONUMENTS AND THEIR APPARENT CHAINING VARIATIONS I FIND THAT I COME TO A SIMILAR CONCLUSION, AS EDWARDS, ABOUT THE 1/2" REBAR MONUMENT IN "L" AND 7TH INTERSECTION. THE MONUMENT FOUND IS APPARENTLY GOOD FOR EAST-WEST LOCATION BUT TOO FAR TO THE NORTH, ALTHOUGH I FIND IT TO BE LESS THAN WHAT EDWARDS DETERMINED IN HIS 2000 SURVEY FOR THE CITY OF UMATILLA STREET IMPROVEMENTS. VARIATIONS OF ALL THE FOUND MONUMENTS ARE NOTED ON THE FACE OF THIS PLAT.

THIS SURVEY WAS PERFORMED USING A SOKKIA GSR 2700IS RTK GPS SYSTEM AND A TOPCON 8203A ROBOTIC TOTAL STATION. REDUNDANCY CHECKS WERE PERFORMED, AND WORK WAS DONE IN OREGON NORTH STATE PLANE COORDINATES, THEN ROTATED ABOUT THE INTERSECTION OF 7TH AND "L" STREET TO RECORD BEARING FOR WARDWELL'S ADDITION ALONG "L" STREET, AND A COMBINATION SCALING FACTOR WAS APPLIED OF 1.000032462'/' TO GET FROM GRID TO GROUND MEASUREMENT. SCALE FACTOR WAS PROVIDED BY APPLYING OBSERVED LATITUDE, LONGITUDE, AND ELEVATION TO THE US ARMY CORPS OF ENGINEERS "CORPSCON 6.0.1" SOFTWARE. THE 2003 GEOID WAS INITIALLY APPLIED AND HAS BEEN FOUND TO BE WITHIN 0.15' IN VERTICAL TOLERANCES WITH LOCAL BENCH MARKS IN THIS AREA.

I FIND NOTHING EXTREMELY UNUSUAL OR OUT OF THE ORDINARY ON THIS SURVEY. MONUMENTS WERE ESTABLISHED AS PER O.R.S. 92 REQUIREMENTS.

REGISTERED PROFESSIONAL LAND SURVEYOR
OREGON
JANUARY 11, 2005
ROBERT DOUGLAS ENGLISH
43406LS
RENEWAL DATE: 12/31/09

DATE: 08/10/08	DWN. BY: JAE/RDE	RECORD OF SURVEY FOR: CLARA BROWNELL MIDDLE SCHOOL 125 SE 15TH AVENUE UMATILLA, OREGON
SCALE: ~~1"=40'~~	CHK. BY: RDE/JAE	
JOB NO. 2008-062	REV. NO:	SURVEY ONE,LLC P.O. BOX 382 PENDLETON OR, 97801 PH:541-276-2055 FAX:541-276-3480
DWG NO. CLARABROWNELLFINAL		

5N28 17BD

8-08
KK
08-120-C