

NARRATIVE

THE PURPOSE OF THIS SURVEY IS TO ESTABLISH THE BOUNDARIES OF THE PORT OF CASCADE LOCKS AS DESCRIBED IN DEEDS RECORDED NOVEMBER 9,1962 IN BOOK 72, PAGE 70 AND DEED RECORDED MAY 24, 1954 IN BOOK 52, PAGE 551. THE SURVEY IS SITUATED IN THE NE 1/4 & THE N 1/2 OF SECTION 12, TOWNSHIP 2 NORTH, RANGE 7 EAST, WM. THIS SURVEY IS ALSO USED TO DOCUMENT THE ESTABLISHMENT OF A HORIZONTAL CONTROL NETWORK AS REQUIRED BY ORS. 209.240 (5).

Hood River County Survey No. 2008 065

REFERENCE DOCUMENTS USED: R-1:U.S.C.E. MAP CALLED " BONNEVILLE PROJECT ", " LANDS ", DATED APRIL 24, 1936, 0-7-1&2 OHR, ALSO RECORDED AS 01-2-01&02 H.R.C. SURVEYORS OFFICE. R-2:UNION PACIFIC RAILROAD PROVIDED MAP CALLED " RIGHT-OF-WAY AND TRACK MAP ", " MAIN LINE PORTLAND TO THE DALLES " DATED JUNE 30, 1913, MAP

COUNTY SURVEY FILE NUMBERS (CS #): 1204,1482,81112,90072,92087,98004,2004019,PLATS OF;FOREST LANE ADDITION & RIVERVIEW ADDITION.

DEED DOCUMENTS: A-13,1-450,N-215,73-280 AND FEE NO 'S 862474,200701698,20053449

ALIGNMENT - RW AND BOUNDARY RESOLVE:

THE RW OF WA-NA-PA STREET (U.S. HWY 30) WAS ESTABLISHED FOR THE PURPOSE OF DISPLAYING THE ALIGNMENT AS IT RELATES TO THE PORT OF CASCADE LOCKS PROPERTY. I HELD THE ALIGNMENT ESTABLISHED IN THE SURVEY BY ODOT RECORDED AS CS 92087 BY HOLDING THE CENTERLINE GEOMETRY ROTATED AND TRANSLATED ABOUT CENTERLINE MONUMENT NO. 31 AND MONUMENT NO. 34 AT THE CENTER OF SECTION.

THE SOUTHWESTERLY PORTION OF THE PROJECT BOUNDARY WAS DESCRIBED MAKING REFERENCE TO STONE MONUMENTS. AFTER RESEARCHING ALL AVAILABLE RECORDS AT THE HOOD RIVER COUNTY SURVEYOR'S OFFICE, THE ARMY CORPS OF ENGINEERS, BLM AND UNION PACIFIC RAILROAD I WAS UNABLE TO LOCATE A SURVEY THAT ESTABLISHED THIS BOUNDARY. THE OLDEST RECORDS, BEING R-1 AND R-2 AND CS 1482 BY McQUINN & POWERS IN 1925 TRACE THE SAME COURSES AS OUR DEED AND NOTES EXISTING STONE MONUMENTS. THEREFORE THE SOUTHEASTERLY LINE OF BOOK 52, PAGE 551 WAS ESTABLISHED BY HOLDING THE STONES FOUND AND DEED DATA BETWEEN THESE FOUND STONES, THE SOUTHERLY LINE WAS ESTABLISHED BY HOLDING THE RECORD DISTANCE OF 1037.10 FROM STONE NO.42 AND THE RECORD ANGLE . THE NORTH LINE OF BOOK 52, PAGE 551 BEING THE NORTH LINE OF THE CHIPMAN D.L.C. WAS ESTABLISHED BY HOLDING MONUMENTS USED IN SAID CS 1482 NO.'S 26 & 27. THIS LINE WAS THEN EXTENDED BY HOLDING THE RECORDED DISTANCE OF 2500.82 ' PER CS 1482.THIS METHOD COMPARES WELL (0.73 ') WHEN EXTENDING THE DEED DATA FROM STONE MONUMENT NO.64 TO THE INTERSECTION WITH THE D.L.C. LINE.

THE NORTHEASTERLY PORTION OF THE PROJECT BOUNDARY, BOOK 72, PAGE 70 IS DESCRIBED WITHOUT BENEFIT OF A SURVEY. THE EAST LINE OF BOOK 72, PAGE 70 IS CALLED AS THE EAST RIGHT OF WAY LINE OF THE O.W.R. & N. THE CENTERLINE OF THE RAILROAD RIGHT OF WAY WAS ESTABLISHED BY LOCATING THE CENTERLINE OF THE EXISTING TRACKS AND PERFORMING A BEST FIT OF THE TANGENTS AND THEN HOLDING THE CURVE DATA SHOWN ON R-2. A RIGHT OF WAY WIDTH OF 100 ' WAS HELD PER R-2. THE NORTH LINE OF BOOK 72, PAGE 70 WAS ESTABLISHED BY HOLDING THE NE CORNER OF SECTION 12, MONUMENT NO. 13 AND THE DEED DISTANCE ON A DUE EAST BEARING. USING A CONVERGENCE ANGLE OF -0°58 '40 " .THE BEARING OF THE MOST NORTHERLY LINE WAS ESTABLISHED BY HOLDING MONUMENT NO. 23 AS SHOWN

THE NORTHEASTERLY LINE IS THE MEANDER LINE OF THE COLUMBIA RIVER PER DEED AND IS DEPICTED BY ROTATING GLO AND DEED DATA TO GRID BEARINGS.

DURING THE COURSE OF THE SURVEY AROUND THE NE CORNER OF SECTION 12 A 8 " SQ X 4 ' LONG QUARRIED STONE SCRIBED WITH SECTION NUMBERS 1,6,7 & 12 WAS FOUND ABOUT 300 ' SOUTHERLY OF MONUMENT NO. 13 LYING ON IT 'S SIDE. THIS STONE WAS NOTED IN H.R.C. SURVEYORS BOOK 19-S PG 29 AND R-2 BUT WAS NOT MENTIONED IN H.R.C. CR 636. THIS STONE WAS RETRIEVED BY THE H.R.C. SURVEYOR.

THE BASIS OF BEARING WAS ESTABLISHED BY HOLDING THE GLOBAL POSITIONING SYSTEM (GPS) STATIONS. THE BASIS IS OREGON STATE COURDINALE SYSTEM, NUMBER ZONE, NAD 83(CORS96).

BASIS OF COORDINATES: THIS SURVEY UTILIZES LOCAL DATUM PLANE (LDP), WHICH IS RELATIVE TO THE ORFGON COORDINATE SYSTEM, NORTH ZONE, NAD 83(CORS96). BY HOLDING AN OPUS SOLUTION FOR A BASE STATION SET ON THE NE CORNER OF SECTION 12, MONUMENT 13.LAT 45°40 '35.32036 " W LON 121°52 '52.50129 " . TO SCALE THESE GROUND COORDINATES BACK TO GRID MULTIPLY COORDINATE VALUE BY 0.99992704.

NGVD 29, PER NGS BM 103=F 231 (PID RC1541) A BRASS DISK SET IN NORTHEAST TOP OF U.P. RAILROAD UNDERPASS ABUTMENT ELEVATION 103.57 '. A DIGITAL LEVEL LOOP WAS RUN THROUGH ALL NETWORK POINTS.

ALL SURVEY WORK WAS PERFORMED BY DAVE MILLS CONSULTING INC. CREWS IN MAY AND JUNE 2008. THE FOUND MONUMENTS WERE SURVEYED FROM THE CONTROL NETWORK. THE FIELD DATA WAS BALANCED AND ADJUSTED USING A LEAST SQUARES ADJUSTMENT. THE MONUMENTS WERE SET ON THE DATE SHOWN IN THE TABLES.

CONTROL NETWORK WAS SURVEYED USING A TRIMBLE 5600 ELECTRONIC TOTAL STATION S/N 24991 & 3 TRIMBLE R8 GPS RECEIVERS IN STATIC NETWORKED SESSIONS.

BOUNDARY & NETWORK CONTROL SURVEY

IN THE
NE1/4 & NW1/2 OF SECTION 12, T.2N., R.7E., W.M.,
CITY OF CASCADE LOCKS, HOOD RIVER COUNTY, OR.

SHEET NO.

ZN 7 12, AA, A13, AC, AD

8-28-08 dwm

DWM

DWM

RE GC

APPROVED

CHECKED

TWO INCHES AT FULL SCALE

IF NOT SCALE ACCORDINGLY

1"=400"

08-11-08

SCALE

DATE

DRAWN

NO. REVISIONS

HRC Surv. Review

RECEIVED SEP - 2 2008

BORY DON

FILE NAME:

PARAMETRIX INC.

ODOT

JOB NO.

PORT OF CASCADE LOCKS

SERVICES, OREGON & WASHINGTON

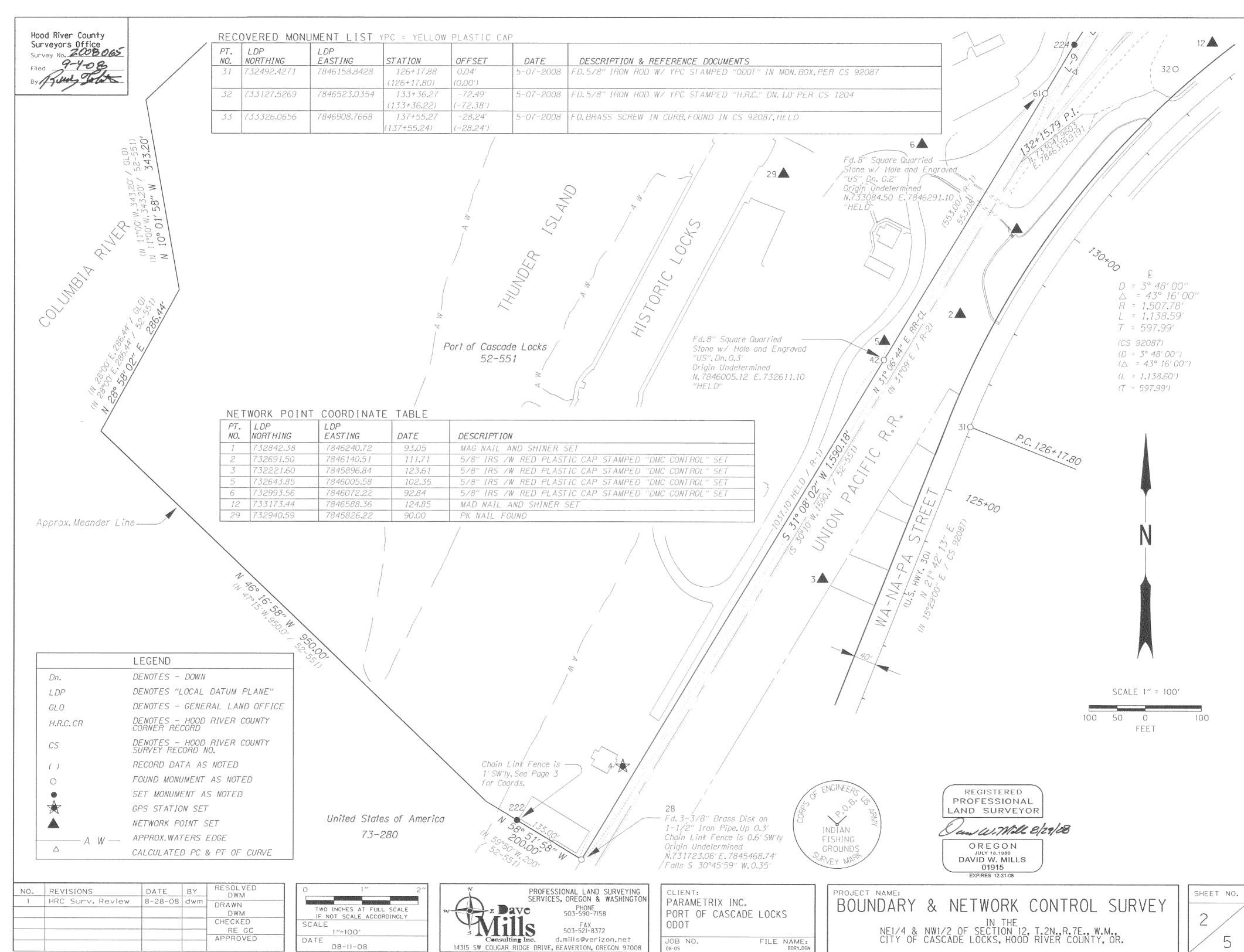
PHONE 503-590-7158

FAX 503-521-8372

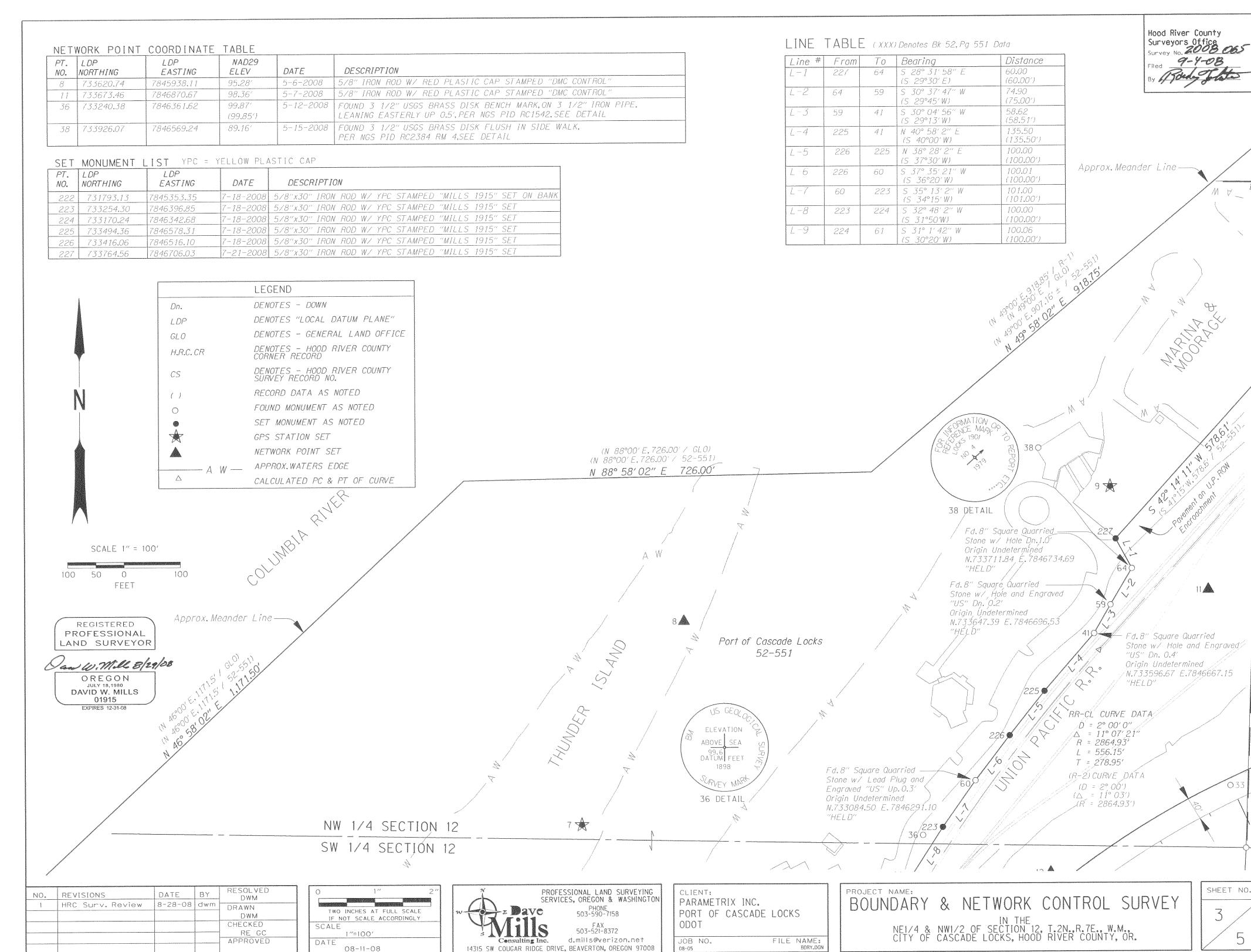
14315 SW COUGAR RIDGE DRIVE, BEAVERTON, OREGON 97008

d.mills@verizon.net

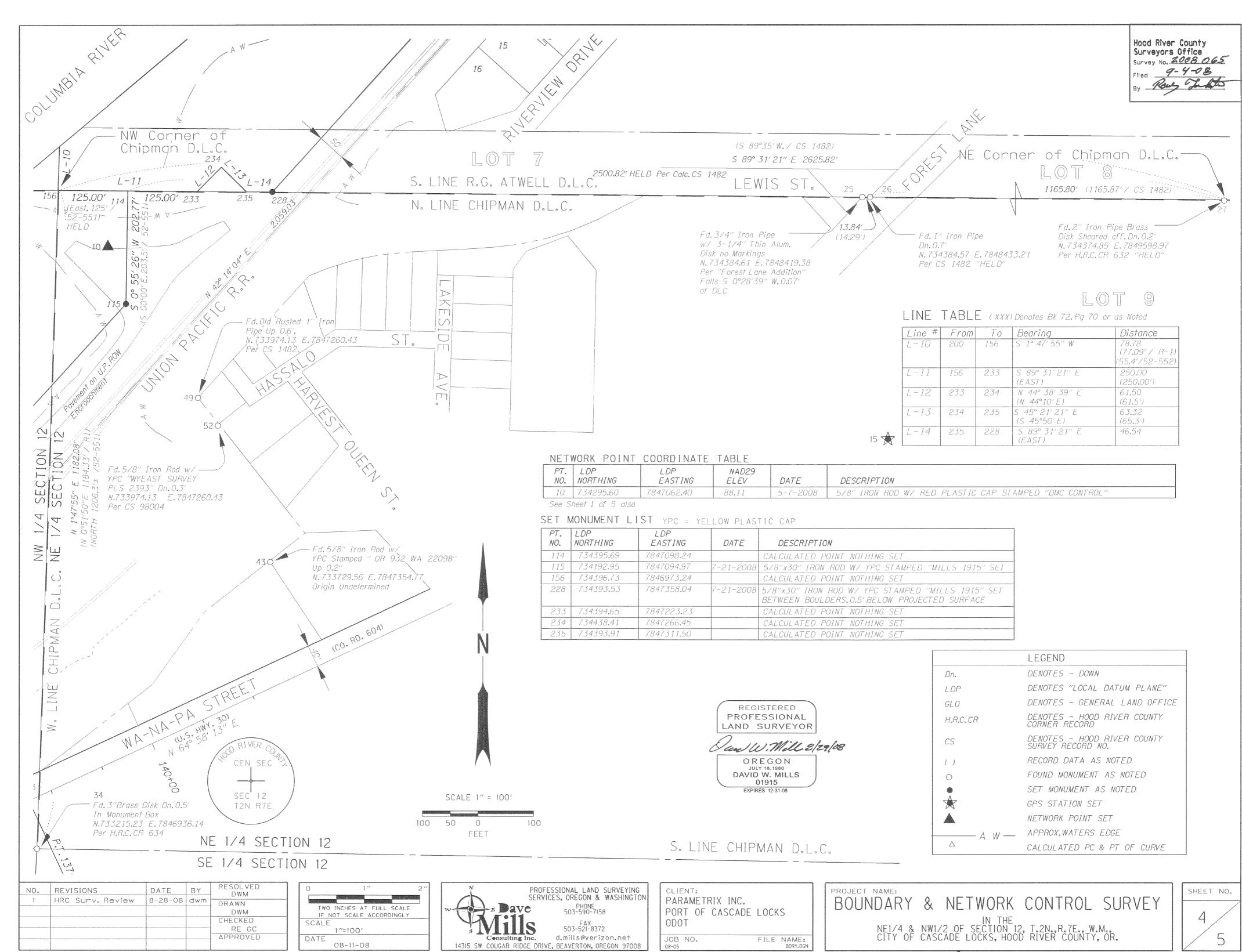
CS ZOOB 065-1



CS 2008 065-Z



CS Z008 065-3



C3 2008 065_4

