CORNER NOTES:

1—Corner for Townships 21 and 22 North, Ranges 21 and 22 East: Record: (1881 US General Land Office (GLO) Survey of the east line of T.21 N., R.21 E., by GLO Deputy Surveyor, Gilbert M. Ward) "Set a pine post 6 x 6 x 60 ins., 1 ft. deep with marked stone in mound of stone 4 x 4

Record: (1909, Ref. 3) Plat of Valhalla Orchards indicates this corner found and used to control the west line of the subdivision. No further details were provided.

Record: (1952, Ref. 4) "Found pine post 6"x 6" x 60", 12" in ground in mound of stone. Scribing on post not legible. On very steep hill." Found: This corner falls on a very steep slope approximately 1000 feet above the valley floor. Calculated position for this corner based upon the ALCOA survey per Reference 4. This corner was not visited as a part of this survey.

2—Quarter Corner for Sections 31 and 6:

Record: (1881, Ref. 1) "Set a marked stone, 20 x 4 x 4 ins., raised a mound of stone 2 ft. high, 4 ft. base."

Record: (1889, Ref. 2 Retracement) "At 40.05 chains found stone 4 inches square marked ¼ on N. face with small mound of stone alongside. I dug pits ... and raised mound of earth south of corner" Record: (1952, Ref. 4) Note: F.M. Berry, PE, performing survey work for

ALCOA apparently did not find original evidence of original 1/4 corner and re-established corner position on a proportion distance, midway on the south line of Section 31, and monumented this position with a brass cap in a concrete cylinder. Unfortunately, this position was not established using proper procedure since the original corner was not established at a point midway on the south line of Section 31. (See Surveyor's Narrative) Found: Brass cap, 31/4 in. diam., in a concrete cylinder, 6 ins. diam., flush with ground firmly set marked "T22N 1/4 S31/ S6 T21N, Washington County Reference Mark (no date)."

This monument was not accepted as quarter corner. See note above and Surveyor's Narrative. Instead, this monument is hereby accepted and used as a Witness Corner (WC) for the quarter corner. From WC, the quarter corner for Sections 31 and 6 bears N.86°44'02"E, a distance of 15.75 feet. Appropriate markings were added to the brass cap indicating it as a WC w/ direction and distance to the actual quarter corner position. No other accessories available.

3—Corner for Sections 5, 6, 31 and 32:

Record: (1881, Ref. 1) "Marked a poplar post, 48 x 4 x 4 ins., 12 ins. in the ground, raised a mound of earth 3 ft. high, 5 ft. base. Dug pits 24 x 24 x 16 ins. in each section."

Record: (1909, Ref. 3) Plat of Valhalla Orchards indicates this corner found and used to control the south line of the subdivision. No further details were provided.

Record: (1952, Ref. 4) "Found rock 12" x 15" x 24" w/ x chiseled and 5 notches on E. side. Placed brass cap in rock."

Note: It is unclear why Berry found a chiseled rock when the record would indicate a poplar post, pits and a mound of earth. Although Berry's recovered location is considerably out of position relative to GLO records, it has been accepted as the corner for at least fifty years and remains the best available evidence of its true location. (The plat of Valhalla Orchards shows a similarly skewed bearing along the south line of Section 31, but shows a total distance much closer to the original survey.)

Found: No evidence of brass cap was found which falls approximately 80 feet into the Columbia River (Rock Island Dam Reservoir). Corner was deemed to be obliterated. Used calculated position for this corner based upon the recovery of monuments set by Berry at the west and south quarter corners and the northwest corner of Section 31. See Alcoa survey per Reference 4.

Set Witness Corner: At a point 120.00 ft. west of calculated position on the section line, set a 5/8"x 24" rebar with 2" alum. cap marked "WC 120.00'> T22N S31/S32 T21N S6/S5 R22E 20865 2006" from which an abandoned power pole bears S.59¾°E, 62.28 ft. distant. No other accessories available.

4—Quarter Corner for Sections 31 and 36:

Record: (1889, Ref. 2) "Set a basaltic stone, 18 x10 x8 ins., 12 ins. in the ground, mkd. "¼" on W. face; dug pits 18 x18 X12 ins. N. and S. of corner 5 ft. dist. and raised a mound of earth 11/2 ft. high, 31/2 ft. base along side." Record: (1952, Ref. 4) "Found rock 16" x 6" x 18" w/ 1/4 chiseled on E.

face. 'X' chiseled on to. Replaced with brass monument." Found: Brass cap, 3½ in. diam., in a concrete cylinder, 6 ins. diam., flush with ground firmly set marked 1/4 S36/S31, Washington County Reference Mark (no date)." A wood post with a DNR tag bears West, 0.6 ft. distant. No other accessories available.

5—Section Corner for Sections 25, 30, 31 and 36:

Record: (1889, Ref. 2) "Set a granite stone, 18 x10 x 8 ins., 12 ins. in the ground, mkd. w/ 1 notch on the S. and 5 notches on the N. edges, raised a mound of stone alongside.

Record: (1909, Ref. 3) Plat of Valhalla Orchards indicates this corner found and used to control the west line of the subdivision. No further details were provided.

Record: (1952, Ref. 4) "Found rock 18" x 15" x 12" w/ 5 notches on N. face on line with N-S fence. Replaced with brass monument." Record: (1971, Ref. 5) Unrecorded Alcoa survey indicates corner found and used to control location of original outfall "right of way." No further details were provided.

Record: (1995, Ref. 6) "Found brass cap in conc. GLO survey 1886." Found: Brass cap, 3½ in. diam., in a concrete cylinder, 6 ins. diam., flush with ground firmly set marked T22N S25/ S36 R21E/ S30/ S31 R22E,

Washington County Reference Mark (no date)." No other accessories

6—Section Corner for Sections 29, 30, 31 and 32:

Record: (1889, Ref. 2) "Set a basalt stone, 12 x 8 x 6 ins., 8 ins. in the ground, mkd. 5 notches on the E. and 1 notch on the S. edges, dug pits 18 x18 X12 ins. in each section 5½ ft. dist. and raise a mound of earth

Record: (1971, Ref. 5) "Found."

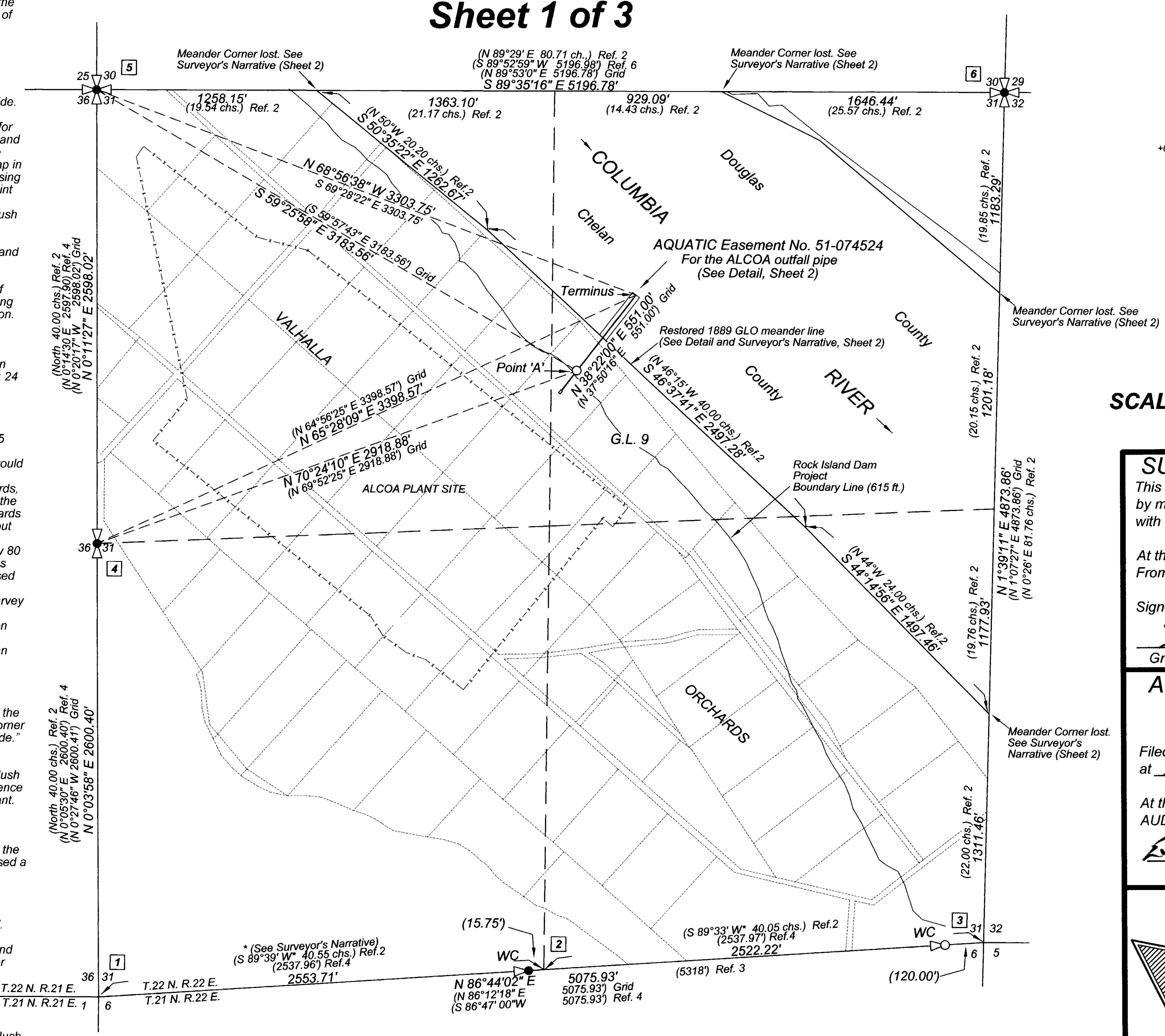
Record: (1995, Ref. 6) "Found brass cap in concrete wall." Found: Found brass cap, 3 in. diam., in a concrete cylinder, 6 ins. diam., flush with ground firmly set marked LS#10819 as shown.

No other accessories available.

RECORD OF SURVEY

State of Washington Aquatic Easement No. 51-074524 Within Government Lot 9, Section 31,

T. 22 N., R. 22 E., W.M., CHELAN COUNTY, WASHINGTON



LEGEND:

2000'

EASEMENT DESCRIPTION: SHEET 2

SURVEYOR'S NARRATIVE: SHEET 2

1" = 500'

1000'

REFERENCES: SHEET 3

= FOUND SECTION CORNER (SEE CORNER NOTES)

□ = FOUND QUARTER CORNER (SEE CORNER NOTES)

WC = FOUND WITNESS CORNER TO QUARTER SECTION CORNER (SEE CORNER NOTES)

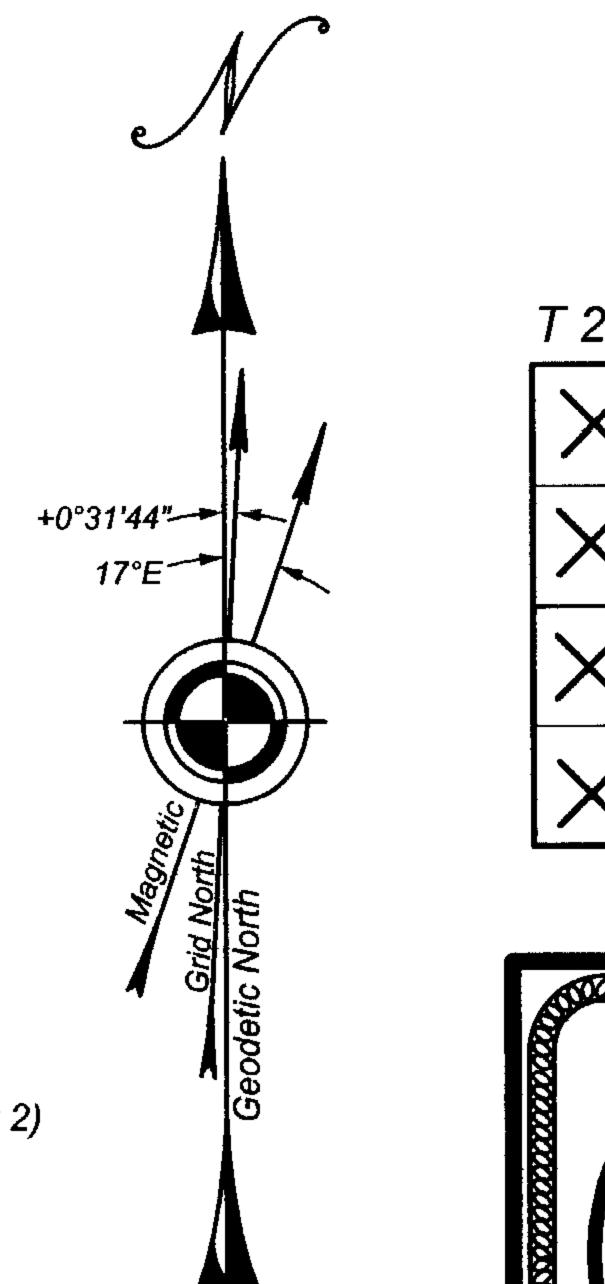
= SET WITNESS CORNER TO SECTION CORNER (SEE CORNER NOTES)

O = SET REBAR SEE SHEET 2

1 = CORNER INDEX NUMBER SEE CORNER NOTES

BASIS OF BEARING:

True Meridian as determined by Global Positioning System (GPS). Note: Average Grid Rotation Factor from True Meridian to Wash. State Plane Coordinate System North Zone, (NAD '83) is +0°31'44". Average Scale Factor equals: 1.00000



Section 31 T 22 N. R 22 E. W.M.

SCALE: 1" = 500']

SURVEYOR'S CERTIFICATE

This map correctly represents a survey performed by me, or under my direction, and in accordance with the Survey Recording Act.

At the request of: Robert Cunningham From January to July, 2006 of 2006.

Signed and sealed this / day of June, 2007. certificate no. 20865 Grant D. Tolton, P.L S.

AUDITOR'S CERTIFICATE

Filed for record this 8 day of 50, 2007 at 3:22 PM, page 50, book 50 of Surveys.

At the request of: Robert Cunningham, Jr., PE AUDITOR'S FILE NO. 2258387



Grant D. Tolton Professional Land Surveyor

4 Mid-Mountain Lane Republic, WA 99166 (509) 775-3563 www.mid-mtn.com

FILENAME:

M:\AJobs2006\CUNNINGHAM\Drawing\CUNNINGHAM.dwg DATE: DRAWN BY:

5/31/2007 CHECKED BY: JOB NO.: 06-011 SCALE: SHEET 1 OF 3 1" = 500'

RECORD OF SURVEY

State of Washington Aquatic Easement No. 51-074524
Within Government Lot 9, Section 31,
T. 22 N., R. 22 E., W.M., CHELAN COUNTY, WASHINGTON
Sheet 2 of 3

EASEMENT DESCRIPTION:

Aquatic Resources Easement No. 51-074524:

A strip of land fifty feet wide, over and across shorelands of the second class and bedlands of the Columbia River owned by the State of Washington and adjacent to Government Lot Nine (9), Section Thirty-one (31), Township Twenty-two (22) North, Range Twenty-two (22) East, W.M., the center line of which is described as follows: Commencing at a Point 'A' within said Government Lot 9 which is also within Lot 5, Block 2 of the plat of Valhalla Orchards as recorded January 8, 1909, records of Chelan County, and which point is monumented with a 5/8" x 24" steel rebar with a 2" diameter aluminum marked, "PT-A LS #20865 2006." Said Point 'A' being located directly above the center line of a buried 36" diameter outfall pipe and from which point the west quarter corner of Section 31 bears S.70°24'10"W, a distance of 2918.88 feet and the northwest corner of Section 31 bears N.59°25'58"W, a distance of 3183.56 feet. Thence, N.38°22'00"E, along the center line of said outfall pipe, a distance of 239.98 feet to a point on the restored 1889 government meander line of the right bank of the Columbia River and the point of beginning of said center line description. Thence N.38°22'00"E, continuing along the center line of said outfall pipe, over and across the second class shorelands and bedlands of the Columbia River, a distance of 311.02 feet to a point 25 feet beyond the end point of said outfall pipe

and the terminus of said center line description. From said terminus point,

the northwest corner of Section 31 bears N.68°56'38"W, a distance of

3303.75 feet. Situated within the County of Chelan, State of Washington.

SURVEYOR'S NARRATIVE:

This survey was executed at the request of Robert L. Cunningham, Jr., PE, on behalf of the Aluminum Company of America (Alcoa), to revise and update the official survey and narrative description of Washington State Aquatic Easement No. 51-074524 which provides for Alcoa's existing outfall pipe over and across second class shorelands and the bed of the Columbia River within Government Lot 9, Section 31, T.22 N., R.22 E., W.M., Chelan County, Washington.

One objective of this survey was to define the limit of state ownership and thus define the proposed easement location. State owned shorelands and bedlands of navigatible waters up to the ordinary high water line as it existed at the time of statehood (November 11, 1889). Since no specific data exists regarding the location of the ordinary high water line in 1889, the best available evidence of its location is the original meander line as surveyed US General Land Office (GLO) in 1890. Thus, the location of the government meander line within Section 31 was restored as a part of this survey.

To restore the meander line location it was necessary to restore the location of the meander corners on the right (south) bank of the Columbia River where the north and east lines of Section 31 intersect. The original meander corners fall in the reservoir and are considered lost. These meander corner locations, as well as the meander corner locations for the left bank and the north and east quarter corners, were calculated at proportion distances along the north and east section lines. (Please see Plat, Sheet 1.)

Once the locations of the meander corners were fixed, the courses and distances recorded by the GLO surveyors along the right bank were adjusted to fit the restored meander corner locations using the broken boundary method. The resultant courses and distances for the restored meander line are annotated along with the corresponding GLO record data on the plat. (Please see Plat, Sheet 1.)

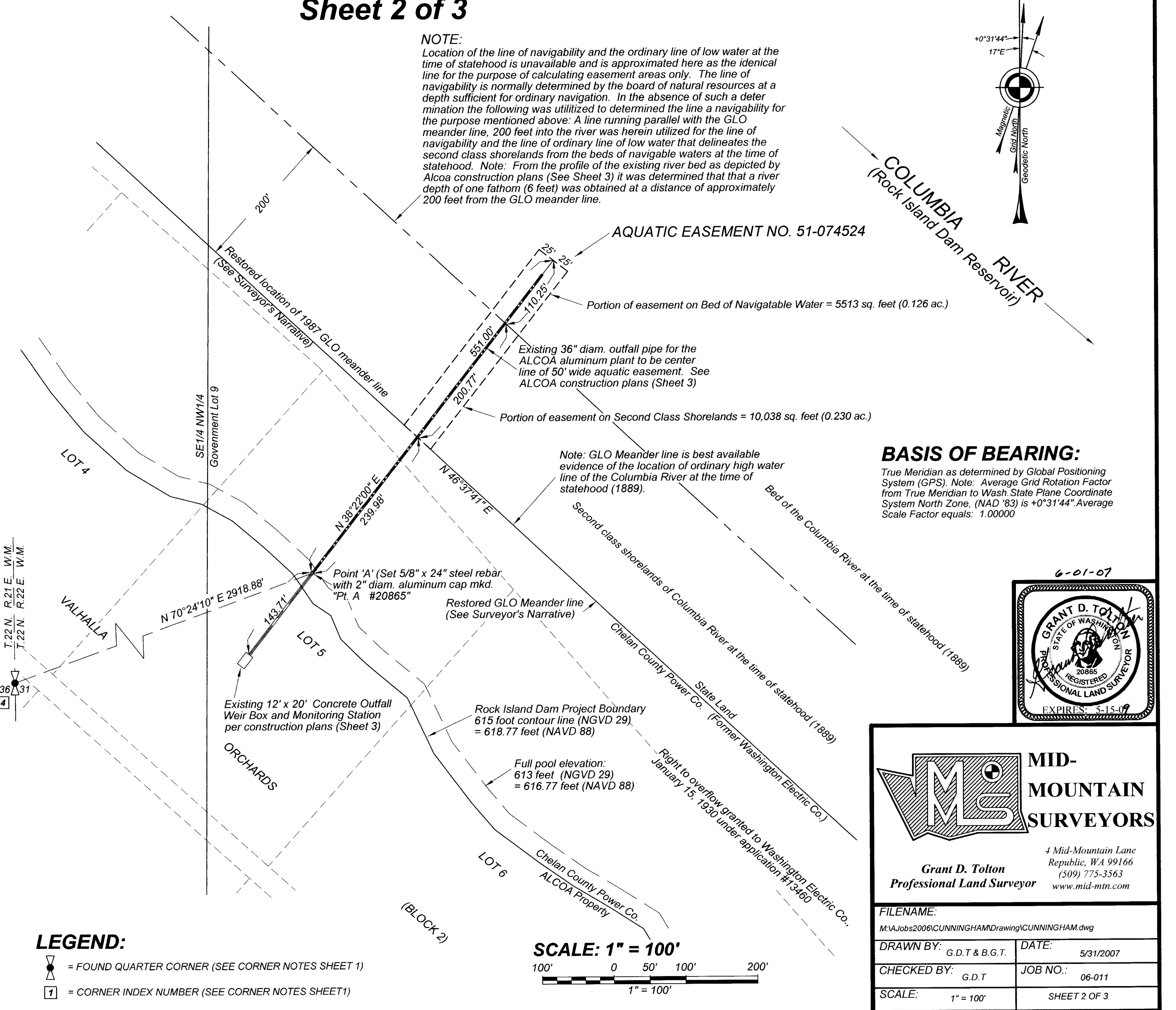
The location of south line of Section 31 presents an unusual situation. As explained in Corner Note #2 (See Sheet 1), the monument found (near) the south quarter corner was utilized to re-establish the southeast corner position of Section 31 using ties from the 1952 Berry unrecorded survey (See Reference 4) yet was not accepted as the quarter corner itself. The true point for the quarter corner was calculated at a point along the south section line as restored using Berry's data but at a proportionate distance along said line based upon the retraced measurements of the same line by GLO surveyor, Joseph Snow in 1889.

Snow's retracement included southward fallings from a due west line at the south quarter corner and southwest (township) corner as 32 links and 57 links, respectively. Thus the computed bearings appear as record bearings and distances per Reference 2. (Please see Plat, Sheet 1.)

This survey was executed using a Topcon "Hiper-Lite" real time kinematic global positioning system instrument (RTK-GPS). Positional tolerance, closure and precision of this survey meet or exceed requirements of WAC 332.130.090.

All bearings indicated which are based on true meridian were determined by applying the average rotation factor of +0°31'44" to bearings derived from State Plane Coordinate System North Zone (NAD 83-91). All distances referred to in feet are in US survey feet.

The field crew consisted of Ernie Fox, party chief; Bryce Tolton, field assistant. Computing, field crew supervision and the final plat executed by Grant D. Tolton, P.L.S.



RECORD OF SURVEY

REFERENCES:

1—U.S. General Land Office (GLO): Original survey of a portion of the south line of Township 22 North, Range 22 East, W.M., by U.S. Deputy Surveyor, O.B. Iverson in 1881.

Township 22 North, Range 22 East, W.M., by U.S. Deputy Surveyor, Joseph M. Snow in 1889-1890.

3—SUBDIVISION SURVEY: VALHALLA ORCHARDS, surveyed by The Prowell Engineering Co. in Wenatchee, WA., approved by Board of County Commissioners, December 26th, 1908, Recorded January 8th 1909, on Page 56, Book 2 of Plats, Records of Chelan

4—UNRECORDED SURVEY: Ownership Holdings Map for Aluminum Company of America (ALCOA), surveyed by The F.M. Berry Engineering Co. Wenatchee, WA., dated January, 1952 and last revised March 7th, 1958.

5-UNRECORDED SURVEY: ALCOA discharge pipe easement survey as surveyed by Joe Lee McKinstry P.E. #12823 dated December 16th. 1971.

6—Record of Survey (ROS): For Ken Rosenberger, surveyed by James W. Rotter P.L.S. #10819, filed April 18th, 1995, on page 22, Book 4, under Chelan County Auditors File #303886.

State of Washington Aquatic Easement No. 51-074524 Within Government Lot 9, Section 31, 2—GLO: Re-survey (Retracement) of the south line, original survey T. 22 N., R. 22 E., W.M., CHELAN COUNTY, WASHINGTON of west line and independent re-survey of and meanders of Sheet 3 of 3

CONTROL DIAGRAM:

Washington State Plane Coordinate System North Zone (NAD83-91) US Survey Feet. Vertical Control (NAVD88)

LEGEND:

N.140862.5756'

E.1805968.5728'

EL.846.43'

= CONTROL POINT NOTE INDEX

= SET 5/8" REBAR WITH 2" ALUMINUM CAP MARKED #20865

= EXISTING PLSS CORNER (SEE SHEET 1)

=NGS CONTROL POINT

N.135035.7038' E.1808957.7626' EL.672.43' 2 N.133014.0740' E.1813973.5081' 1 1 EL.698.64' N.131420.4619' N.134114.1215' E.1816729.4881 E.1808550.1657' EL.686.47' N.130416.1035' E.1813988.8416 EL.786.84'

T22N R22E W.M.

SCALE: 1" = 2000'

6-01-07

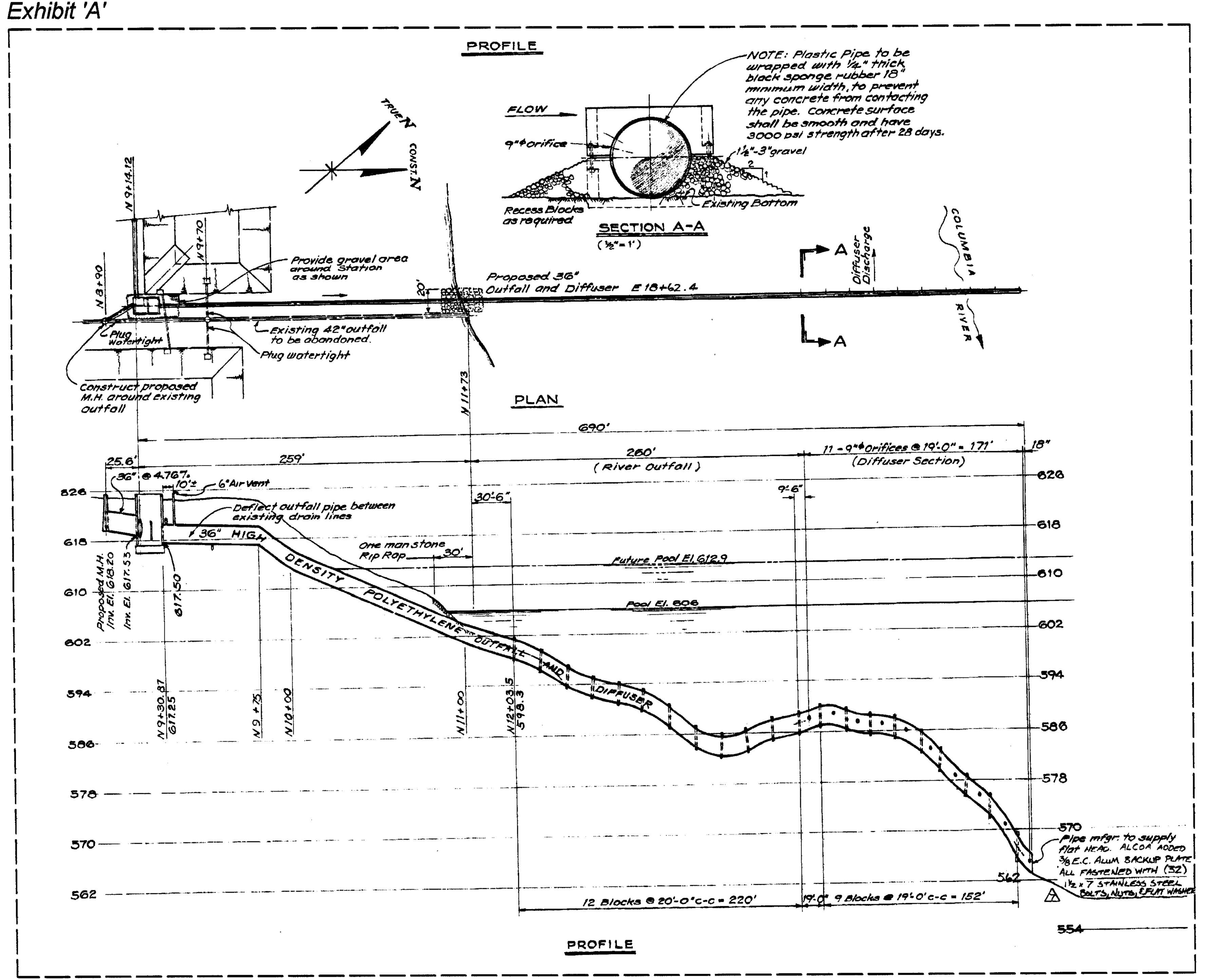


EXHIBIT 'A':

A portion of Alcoa construction plans for the plant outfall

pipe: Alcoa Drawing # PA-021985-WW dated March 27,

Mid-Mountain Surveyors was given permission by Alcoa to

satisfy the state mandated requirement to "show a detailed

include this drawing as a part of this Record of Survey to

plan of improvements .. existing on the lease area."

1972 by John R. Sproat, Jr. P.E. License #11282.

H. Scale 1"=80' V. Scale 1"=16' Elevations shown are NGVD29

CONTROL POINT NOTES:

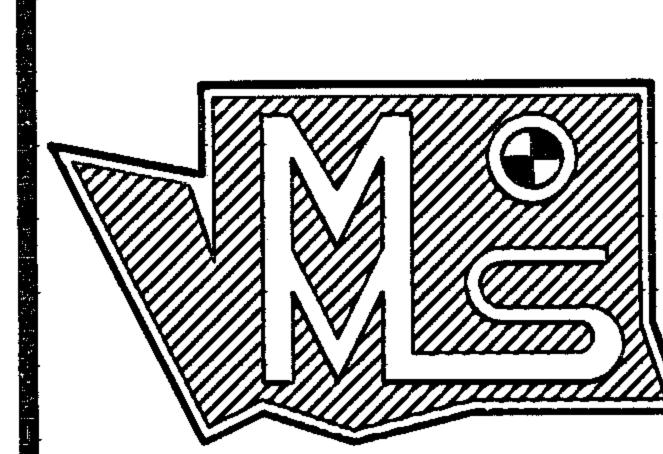
1—National Geodetic Survey Monument PID # SX0134: Found brass cap, 31/2 ins. diam., flush in a rock boulder established in 1929, marked as shown. Latitude; 47°21'56.28051"(N.), Longitude: 120°09'17.61280"(W.).

2—National Geodetic Survey Monument PID # SX0135: Found

brass cap, 31/2 ins. diam., flush in a poured concrete support structure at the north end of the railroad trestle established in 1933, marked as shown. Elevation: 672.43 feet above sea level.

3—National Geodetic Survey Monument PID # SX1641: Found brass cap, 3½ ins. diam., flush on top of concrete cylinder, 5 ins. diam., projecting 3 ins. above ground firmly set established in 1993, marked as shown.

Latitude; 47°23'03.10447" (N.), Longitude: 120°09'54.26100"(W.).



MOUNTAIN

Grant D. Tolton Professional Land Surveyor

4 Mid-Mountain Lane Republic, WA 99166 (509) 775-3563 www.mid-mtn.com

FILENAME: M:\AJobs2006\CUNNINGHAM\Drawing\CUNNINGHAM.dwg DRAWN BY: G.D.T & B.G.T. 5/31/2007 CHECKED BY: G.D.T JOB NO.: 06-011 SCALE: SHEET 3 OF 3 As Indicated