EXECUTIVE SUMMARY

In June of 2019 KLJ Engineering LLC (KLJ) was contracted by the North Dakota Board of University and School Lands, to complete land boundary research and surveying for determination of areas associated with lands within the Ordinary High Water Mark (OHWM) Study of the historical Missouri Riverbed channel prepared by Wenck Associates, Inc (the "Wenck Study"), which was created pursuant to NDCC 61-33.1-03.

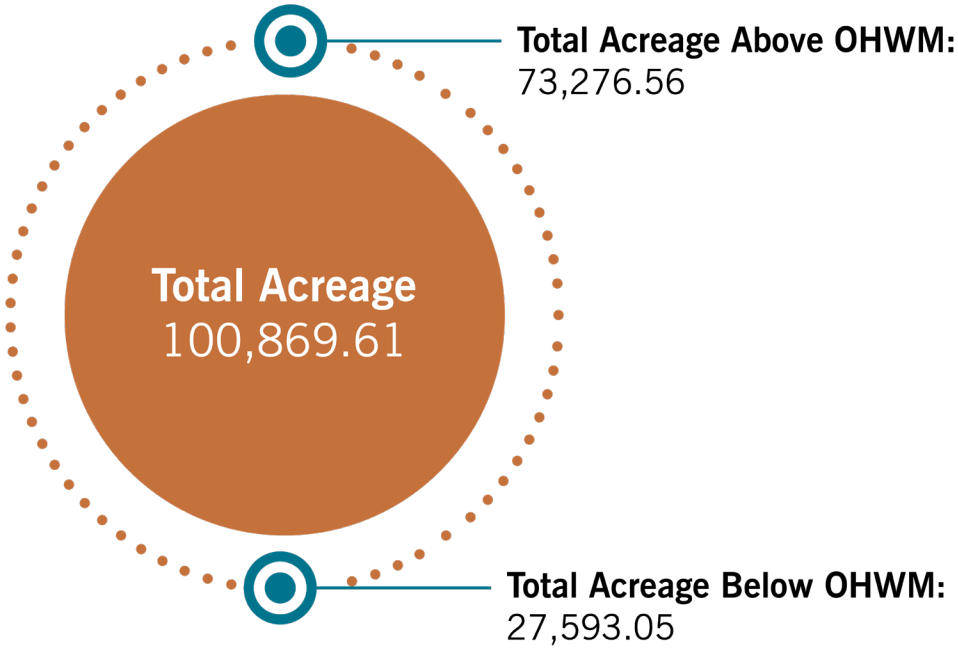
The Wenck Study was adopted by the North Dakota Industrial Commission (NDIC) on September 27, 2018 in Order No. 29129 and provided the OHWM utilized for KLJ's research and surveying. The OHWM as identified in the Wenck Study was assumed to be accurate for purposes of this project.

Over the course of one year, KLJ surveyed and completed acreage calculations for the project area, a distance of approximately 83 river miles and covers the northern boundary of the Fort Berthold Indian Reservation (approximately river mile 1482) to the southern border of Sections 33 and 34, Township 153 North, Range 102 West (just beyond river mile 1564). Thirty-five total team members worked approximately 7,000 hours in and out of the office on this project. Further review is required on two areas of the project and will be addressed by the North Dakota Department of Trust Lands.

The purpose of the survey is to provide clarity and consistency in mineral acreage allocations, to both the North Dakota Department of Trust Lands and privately owned minerals, along the OHWM.

Due to the complexity and impact of this project, KLJ utilized Professional Land Surveyors and Certified Federal Surveyors to complete this work. These professionals have surveyed across North Dakota and other states for decades. With KLJ's more than 80-year history in the state, they also had access to historical survey data, research, and field notes which allowed for an unmatched understanding of the terrain, project location, and technical accuracy required for this project.

The project area had a total of 100,869.61 acres. Upon completion of the research and survey work, 73,276.56 acres were identified above the OHWM and 27,593.05 acres were identified below the OHWM.



There were 19 Townships surveyed, with 17 of those Townships with section acreage adjustments to the OHWM. There were 172 total sections in the project area, with 158 sections adjusted (14 sections were in the excluded areas and are not included in this total). The total number of parcels in the project area was 3,943.

The acreage for each quarter-quarter and government lot is listed in the following report, as well as all of the supporting documentation used to establish the boundaries and areas. Supporting documentation includes but is not limited to surveyors' field notes and a detailed description of how each lost or obliterated corner was established. This project adhered to applicable surveying and mapping standards, including the *Manual of Practice for Land Surveying* in North Dakota – NDSPLS and the 2009 Bureau of Land Management (BLM) *Manual of Survey Instruction*. The KLJ team worked diligently together to maintain consistency in calculations throughout the project. The report is available in hardcopy, electronic format, and supporting documentation is available in electronic format.

INTRODUCTION

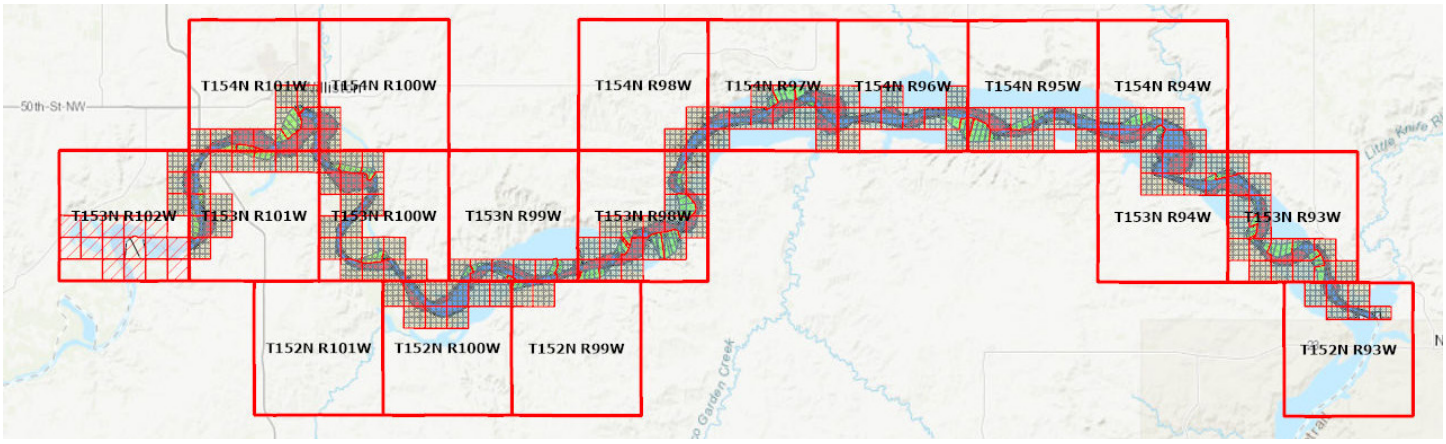
In December of 2018, the North Dakota Board of University and School Lands, which is responsible for managing associated mineral interests under sovereign lands, requested proposals for land boundary research and surveying for determination of areas associated with lands within the Ordinary High Water Mark (OHWM) Study of the historical Missouri Riverbed channel prepared by Wenck Associates, Inc. (the Wenck Study). The Wenck Study was adopted by the North Dakota Industrial Commission (NDIC) on September 27, 2018 in Order No. 29129.

ORDINARY HIGH WATER MARK

ND Administrative Code Section 89-10-01-03 (Reference 7) definition: that line below which the action of the water is frequent enough either to prevent the growth of vegetation or to restrict its growth to predominantly wetland species. Islands in navigable streams and waters are considered to be below the ordinary high watermark in their entirety.

NDCC 61-33.1-04(2) provides that upon adoption of the final review findings by the NDIC of the Wenck Study, the Board of University and School Lands shall begin to implement any acreage adjustments, lease bonus and royalty refunds, and payment demands as may be necessary relating to state-issued oil and gas leases. The Board shall complete the adjustments, refunds, and payment demands within two years after the date of adoption of the final review findings.

The North Dakota Board of University and School Lands did not have the information to determine the precise acreage adjustments required to release any royalty proceeds held by the Board attributable to oil and gas mineral tracts. With the exception of two identified areas of concern, KLJ has provided the necessary information needed to complete the acreage adjustments. The requested research and survey is to determine acreage above and below the OHWM within a specific area:



The northern boundary of the Fort Berthold Indian Reservation (approximately river mile 1482) to the southern border of Sections 33 and 34, Township 153 North, Range 102 West (just beyond river mile 1564), a distance of approximately 83 river miles.

KLJ Engineering LLC (KLJ) was selected to verify the boundaries and to calculate the acreage of each Public Land Survey System (PLSS) section within the project area, by quarter-quarter section or government lot, above and below the OHWM as identified by NDIC through the Wenck Study, with the determination of the OHWM from the Wenck Study assumed correct.

KLJ brought significant professional technical experience to the project, with an existing database of survey resources and information to support efforts related to the project. The project utilized all available information and resources including original General Land Office (GLO) surveys, United States Army Corps of Engineers (USACE) surveys and various retracement surveys by local surveyors. The project adhered to professional standards and guidelines, specifically those relating to survey and mapping standards as documented in the *Manual of Practice for Land Survey* in North Dakota the Rules of Professional conduct for the Engineering and Surveying Processions, The 2009 Bureau of Land Management *Manual of Surveying Instructions*, and where appropriate, North Dakota law.

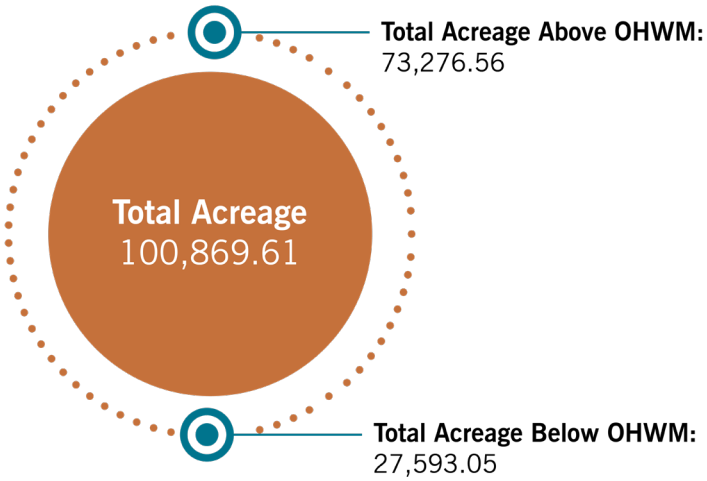
Upon completion of the research and survey work KLJ prepared the following report which includes:

1. A table that lists the following information for each PLSS quarter-quarter section or government lot in the project area:
   a. Total area in acres,
   b. Area in acres below the OHWM
   c. Area in acres above the OHWM

2. Maps and a Microsoft Excel spreadsheet depicting acreage above and below the OHWM showing the boundaries of each quarter-quarter section and government lot within the project area, with appropriate base map layers.

3. Documentation of the approach and methodologies in determining acreages, source data used, project results, project team, and any other information necessary to fully explain and substantiate the project work and deliverables.

The project area had a total of 100,869.61 acres. Upon completion of the research and survey work, 73,276.56 acres were identified above the OHWM and 27,593.05 acres were identified below the OHWM.



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PROJECT TEAM

KLJ assembled a team of highly skilled and experienced Professional Land Surveyors (PLS). Those on the team hold many certifications including Professional Land Surveyor licenses and Certified Federal Surveyor Certificates (CFedS). Each member of the team played an integral part of making this project a success. The team was built on the strengths of each individual allowing KLJ to navigate the project with consistency throughout. The team members are experts in GLO Retracement Surveys, Accretion, Reliction and Avulsion Calculation, records research, and interpretation of historical survey data. The team members also hold several technical skills such as GIS Database Creation, Data Management, and CAD Drafting skills.

Quentin Obrigewitsch, Survey Department Manager, (PLS in ND, SD, MT and CFedS) served as the Project Manager and Licensed Surveyor in responsible charge of the project. Quentin brought nearly 19 years of land surveying experience to the project. A majority of his experience is in GLO survey retracement. Quentin worked directly with all members of the KLJ team and was also responsible for coordination and updating progress with North Dakota Trust Lands staff. In his role as the Licensed Surveyor in responsible charge of the project, he worked directly with field staff to analyze evidence found in the field and worked with office staff in determining the use of that evidence.

Jake Backowski, Professional Land Surveyor, (PLS in AR, MN, MO, NM, OK, WI, IL) served as the PLSS Technical Lead on this project. Jake was responsible for completing the initial calculations for all parcels needed to complete the scope of work. His understanding of PLSS calculations, along with his experience in determining riparian boundaries played a significant role in making this project a success. Jake was relied upon to make consistent determinations and keep the overall project schedule in mind.

Matt Krebs, Professional Land Surveyor, (PLS in ND, retired status for SD, MT and WY) was brought in to lead the field efforts for the project. Matt began his work in the survey profession in 1979 with KLJ and retired in 2018. When KLJ was awarded this project, Matt was brought back to KLJ as the lead field surveyor. He was dedicated to this project for the duration and personally visited or verified each corner used in this survey. Matt's 40+ years of survey experience led to him finding several original GLO monuments that have not been previously found. These monuments are an integral part of establishing confidence in our calculations.

Aaron Norby, GIS Analyst IV, (PLS in ND, SD, MT, MN, WY, TX and CFedS) served as the main data management and GIS specialist for this project. Aaron was responsible for building and maintaining the GIS database, creating the Map Book deliverable and keeping track of project status reporting. He also served an advisor to Jake in determining the riparian boundaries.

Jarrett Leas, Survey Department Manager, (PLS in MN, KS, ND, SD) served as the lead Quality Assurance/Quality Control (QA/QC) reviewer and also as a technical advisor. Jarrett has more than 25 years of survey experience dealing with PLSS and boundary calculations. He was responsible for developing the QA/QC plan for all of the calculations and data used to produce the final product. Jarrett coordinated the QA/QC for the entire projects to make sure methodology used followed ND State Statutes and BLM Standards of Practices.

Several other KLJ staff assisted in the completion of this project including Carl Olson PLS, Matt Anderson PLS, Brian Heath PLS, Chris Ingersoll PLS, Marge Washko PLS. These team members served as QA/QC reviewers and Technical advisors.

As with most boundary determinations, there are several opinions and conclusions that can be drawn. By assembling this team, it was KLJ's intent to rely on several opinions with differing expertise to develop a quality driven final product.

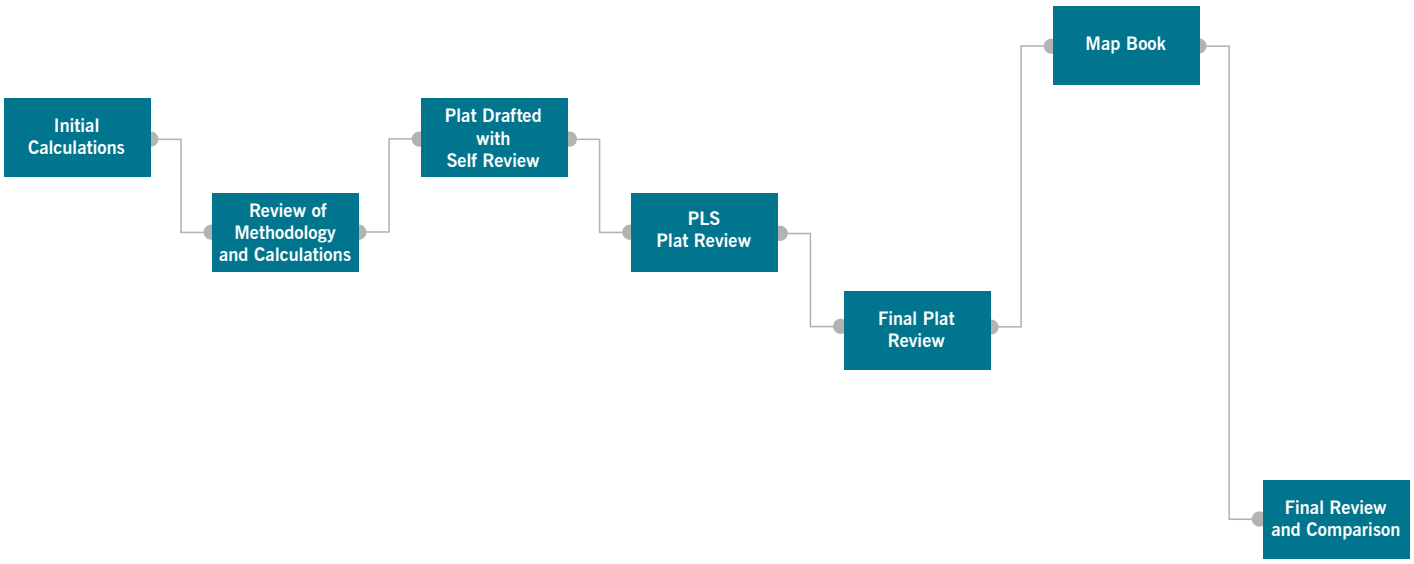
APPROACH AND METHODOLOGIES IN DETERMINING ACREAGE

KLJ began the project by planning and coordinating the research and assembly of the data required for development of our internal survey, GIS, and CAD Systems databases. Publicly available resources such as digital aerial photography, georeferenced GLO plats and field notes, the Wenck Study, USACE surveys, petroleum well plats, and other supporting data, along with KLJ developed survey and GIS databases, were compiled to create the GIS base map. These resources enabled working project directories for the survey, CAD, and GIS production teams. The GIS and CAD team leaders performed project setup for all production workflows and data quality assurance measures for data review during production.

After the initial project setup was complete, the team began the production phase. The project was developed with ground survey data, the GIS base map, and survey calculations performed in CAD. In order to calculate area for individual tracts, the team had to first determine positions for the PLSS Section, Quarter Section and meander corners that were part of the original GLO surveys, that no longer exist because of the movement of the Missouri River and the creation of Lake Sakakawea. These calculated positions were each derived from the same rigorous process of historical data review, Bureau of Land Management (BLM) instruction review and consistencies in determination.

With the corners calculated, the lines for each government lot, quarter-quarter and avulsion distribution were created in CAD to create tracts and areas measured. All CAD-constructed tracts were reviewed by our team of QA/QC reviewers, each being Licensed Survey Professionals with experience in cadastral, boundary and riparian surveys. Jarrett Leas and Quentin Obrigewitsch provided the final quality assurance check on all deliverables prior to submittal. All section subdivisions in this project were based on GLO surveys, the BLM *Manual of Surveying Instructions*, USACE surveys prior to dam construction, and North Dakota Society of Professional Land Surveyors (NDSPLS) *Manual of Practice*. Acreage calculations along the ordinary high water mark were calculated using the relationship between the original meander line and the "NDIC-adopted Wenck Study's revised Ordinary High Water Mark (OHWM)". The methods used were based on the BLM *Manual of Surveying Instructions* providing fair and equitable division of acreage.

After all the field work and calculations were complete, the team completed a final review of the project data. Following the final review, the GIS team developed the Map Book, Acreage tables, and Shapefiles for each parcel.



DISCREPANCY STATEMENT

A certain degree of judgment goes into decision making when trying to establish lost or obliterated corners in association with boundary calculations. During KLJ's field survey, we encountered a few discrepancies with monuments found. In most cases these discrepancies were easily resolved by analyzing data and recovering additional existing monuments. One case, however, presented a larger challenge than others to identify a solution.

The northwest corner of Section 27, Township 153 North, Range 100 West was found as stated in the original GLO survey notes. A sandstone, properly marked and orientated, fitting the size and description was found. We found adjacent corners, both original stones and corner monuments set by other PLS's. It was determined that the corner was approximately 180 feet from the position described on the GLO plat. After several internal conversations, the project team sought the advice of the Bureau of Land Management (BLM) and USDA Forest Service Cadastral Survey Experts. Although these federal offices are able to help in our decision making, as Professional Land Surveyors, we ultimately make the decision as to what would be accepted as the corner position. After analyzing the information, the determination for this corner position was deemed to be a "manifest blunder" and we placed the error in the area where the blunder mostly likely occurred.

This determination is further described in the 2009 BLM *Manual of Survey Instruction*, as found in Chapter VII under 7-5 in part that;

> "Existing original corners shall not be disturbed. Consequently, discrepancies between the retracement measurements and the measurements shown in the record have no effect beyond the accepted corners."
>
> "This restates the common law hierarchy of calls for monuments as controlling over calls for measurements."
>
> "All discrepancies in measurement will be verified with the object of placing each difference where it properly belongs. Manifest blunders in measurement are removed from the general average difference and placed where the blunder was made. In cases where the proportioned position cannot be made to harmonize with all the calls of the original field notes, due to errors in description or to discrepancies in measurement made apparent by the retracement, it should be ascertained which of the calls are entitled to greater weight and which calls should be subordinate."
>
> (*Manual of Surveying Instruction*, 2009.)

And Chapter VII under 7-58 in part that;

> "This method is consistent with the general rule that manifest blunders in measurement are removed from the general average difference and placed where the blunder was made prior to applying proportionate measurement."
>
> (*Manual of Surveying Instruction*, 2009.)

Areas for further review have been brought to the attention of the North Dakota Department of Trust Lands. The NDDTL is working through these areas and they have no bearing on the data provided in this report.

SOURCE DATA USED

1951 Aerial Photography. Provided by the ND Department of Trust Lands from the ND State Industrial Commission Department of Mineral Resources. Georeferenced Esri File Geodatabase Mosaic Imagery Feature Class.

1943 Williston Basin Aerial Photography. Provided by ND Department of Trust Lands from the from the ND State Industrial Commission Department of Mineral Resources. Non-Georeferenced TIF Imagery files.

National Agriculture Imagery Program (NAIP). 2018 and 2019 NAIP Imagery. Farm Service Agency US Department of Agriculture. Georeferenced Imagery files.

Wenck Ordinary Highwater Mark. Wenck Associates October 2018. Esri Shapefiles.

Missouri River July 1943 Garrison Reservoir Topographic Maps. US Army Corps of Engineers. Georeferenced TIF Imagery files.

1947 to 1954 USACE Tract Segment Maps and Survey Plats. US Army Corps of Engineers, Riverdale, ND and Omaha, NE. Segment Maps with Surveyed Tract Boundaries Georeferenced TIF Imagery files.

US General Land Office Original Plats. ND State Water Commission. Georeferenced General Land Office Plats for the Missouri River TIF Imagery files.

KLJ Survey Corners 1995 to 2020. Surveyed and calculated PLSS corners database. Trimble Business Center export to Esri File Geodatabase Feature Class.

Manual of Surveying Instruction, Bureau of Land Management United States Department of Interior, Denver, CO, 2009.

PROJECT WORK AND DELIVERABLES

TWP 152 N, R 093 W

PLSS CORNERS:

A-1 Computed position based on lap proportion east of the Standard SQ Corner of Section 33-153-93 on the 13th Standard Parallel.

A-3 Computed position based on lap proportion east of the Standard SQ Corner of Section 34-153-93 on the 13th Standard Parallel.

A-4 Computed position based on average lap proportion (4.72) east and west between the NE Corner of Section 4 and the calculated NE Corner of Section 6 which matches mean bearing of the E & W lines of Section 5 within 1 foot.

A-6 Computed position based on average lap proportion (4.56) east and west between the NE Corner of Section 4 and the calculated NE Corner of Section 6 which matches mean bearing of the E & W lines of Section 4 within 1 foot.

A-7 Found original stone and accessory orange plastic capped rebar LS 5771

A-8 Computed position at Single Proportion, and adjusted in cardinal direction north to the 13th Standard Parallel, holding the NE Closing Corner of Section 4 (A-7) and the true NE Closing Corner of Section 3 (A-9).

A-9 Found Rebar and orange plastic LS 5771, corner held for direction. True corner position lies on intersection of line South and the 13th Std Parallel E-W, true corner held for proportion since there was no evidence found of original in setting the rebar and cap

A-10 Computed position at Single Proportion, and adjusted in cardinal direction south to the 13th Standard Parallel, holding the true NE Closing Corner of Section 3 (A-9) and the calculated NE Closing Corner of Section 2 (A-11).

A-11 Computed position based on lap proportion east of the Standard SQ Corner of Section 32-153-92 on the 13th Standard Parallel.

B-1 Found Original Stone and USCOE T-Pin.

B-3 Computed at Single Proportion, holding the calculated NE Closing Corner of Section 6 (A-3) and the calculated NE Corner of Section 7 (C-3).

B-5 Computed at GLO distance north, holding the calculated NE Corner of Section 8 (C-5). Bearing Based on the mean of the West line of Section 5 and the East Line of Section 4 which both bear north similarly to the line that this corner was set.

B-7 Computed at Single Proportion, holding the found NE Closing Corner of Section 4 (A-7) and the calculated NE Corner of Section 9 (C-7).

B-9 Computed at Single Proportion, holding the true NE Closing Corner of Section 3 (A-9) and the calculated NE Corner of Section 10 (C-9).

B-11 Computed at Single Proportion, holding the calculated NE Closing Corner of Section 2 (A-11) and the NE Corner of Section 11(C-11).

TWP 152 N, R 093 W

C-1 Found Original Stone and Aluminum Capped Rebar LS-3366

C-2 Found Original Stone and USCOE T-Pin.

C-3 Computed at double proportion holding the calculated NE Closing Corner of Section 6 (B-3), the NE Corner of Section 11 (C-11), the EQ Corner of Section 7 (D-3) and the NQ corner of Section 7 (C-2).

C-4 Computed at Single Proportion, holding the calculated NE Corner of Section 7 (C-3) and the calculated NE Corner of Section 8 (C-5).

C-5 Computed at 3 point location holding GLO distance from the Closing Corner of Sections 8/9 and single proportion holding the NQ Corner of Section 7 (C-2) and the NE Corner of Section 11 (C-11).

C-6 Computed at Single Proportion, holding the calculated NE Corner of Section 8 (C-5) and the calculated NE Corner of Section 9 (C-7).

C-7 Computed at double proportion holding the NE Closing Corner of Section 4 (A-7), the NE Corner of Section 11 (C-11), the Closing Corner of Sections 9/10 and the NQ corner of Section 7 (C-2).

C-8 Computed at Single Proportion, holding the calculated NE Corner of Section 9 (C-7) and the calculated NE Corner of Section 10 (C-9).

C-9 Computed at 3 point location holding GLO distance from the true NE Closing Corner of Section 3 and single proportion holding the NQ Corner of Section 7 (C-2) and the NE Corner of Section 11 (C-11).

C-10 Computed at Single Proportion, holding the calculated NE Corner of Section 10 (C-9) and the NE Corner of Section 11 (C-11).

D-3 Found Original Stone and accessory 5/8” rebar.

D-5 Computed at Single Proportion, holding the calculated NE Corner of Section 8 (C-5) and the Closing Corner of Sections 8/9.

D-7 Computed at Single Proportion, holding the calculated NE Corner of Section 9 (C-7) and the calculated Closing Corner of Sections 9/10.

D-11 Found Rebar.

CC 7/8 Found original stone and GLO Brass Cap.

MP 72.5 Found 3” Aluminum Cap LS6612

CC 8/9 Found original stone and GLO Brass Cap.

MP 71.5 Found Stone

MP 71 Computed at single proportion, holding MP 71.5 and the Closing corner to Sections 11/12.

CC 9/10 Computed at single proportion, holding MP 70.5 record distance west.

MP 70.5 Computed at single proportion, holding MP 71.5 and the Closing corner to Sections 11/12.

CC 10/11 Computed, from West MC of the Missouri River record distance east per GLO notes

MP 70 Computed at single proportion, holding MP 71.5 and the Closing corner to Sections 11/12.

MP 69 Computed at single proportion, holding MP 71.5 and the Closing corner to Sections 11/12.

MP 68.5 Computed at single proportion, holding MP 71.5 and the Closing corner to Sections 11/12.

CC 11/12 Found destroyed GLO monument. CC from evidence N&S also proportions of the 1 mile between the found stone mile posts to the west suggest that MP 68.5 should lie easterly of this position. Additionally, it seems the GLO perpetuated some closing and section corners in the area which were set as elm posts in 1905 by Veigel across the river this evidence is shown with stones recovered as set in the Forth Berthold surveys and Posts found for the closing corners

SECTION 3

Two corners of this section were field recovered. The N-S quarter line was set from the NQ & SQ corners. The E-W quarter line was set from the EQ to the WQ corner. Since the section was only minimally traversed by the Missouri River the section was broken using the federal method for Sections on the norther tier of townships. The meander corners on the south and west lines were computed at single proportion. The meander line of the left bank of the Missouri River was computed and adjusted according to the record. Government Lot 5 is subject to erosion according to the provided Wenck OHWM.

SECTION 4

No corners of this section were field recovered. The N-S quarter line was set from the SQ to the NQ corner. The E-W quarter line was set from the EQ to the WQ corner. Since the west line of the section was terminated at the right bank of the Missouri River, the E-W 1/16 lines of the NE & NW quarters was set parallel with the E-W quarter line starting at the proportionate location on the east line and terminated at the left bank of the Missouri River. All other 1/16 lines were set at mean bearings in this section. The meander corners on the north and south lines were computed at single proportion. The meander corner on the west line was computed at GLO distance northerly from the WQ Corner basis of bearing is the mean of the West line of Section 5 and the East Line of Section 4 which both bear north similarly to the line that this corner was set. The meander lines of the left and right banks of the Missouri River were computed and adjusted according to the record. Government Lots 2, 3, 4, 5, 6, 7 & 8 are subject to erosion according to the provided Wenck OHWM.

SECTION 5

No corners of this section were field recovered. The N-S quarter line was set from the SQ to the NQ corner. The E-W quarter line was set from the EQ to the WQ corner. Since the east line of the section was terminated at the right bank of the Missouri River, the E-W 1/16 lines of the NE & NW quarters was

set parallel with the E-W quarter line starting at the proportionate location on the west line and terminated at the right bank of the Missouri River. All other 1/16 lines were set at mean bearings in this section. The meander corner on the north line were computed at single proportion there are two such meander corners on this line. The meander corner on the east line was computed at GLO distance northerly from the WQ Corner basis of bearing is the mean of the West line of Section 5 and the East Line of Section 4 which both bear north similarly to the line that this corner was set. The meander line of the right bank of the Missouri River were computed and adjusted according to the record. Government Lot 1 and the SE4 of the NE4 are subject to erosion according to the provided Wenck OHWM.

SECTION 9

Three corners of this section were field recovered. The N-S quarter line was set from the NQ south, to the mid-point of the Closing corners on the east and west lines of this section and terminated at the Fort Berthold Reservation line. The survey to the north of the reservation line was completed in 1905 while the subdivision of 152-93 south of the reservation line was completed in 1910. These seem to be independent of each other as shown by the bearings of the section lines. Therefore, it is assumed after review of the notes, plats and acreages of these sections that the quarter line is independent in the areas north and south of the reservation line, although the N-S quarter lines extend to the same point on the reservation line. The E-W quarter line was set from the EQ to the WQ corner. All 1/16 lines were set at mean bearing. The meander corners on the north and east lines were computed at single proportion. The meander line of the right bank of the Missouri River was computed and adjusted according to the record. Government Lots 1 & 2 are subject to erosion according to the provided Wenck OHWM.

SECTION 10

No corners of this section were field recovered. The N-S quarter line was set from the NQ south, and terminated at the Fort Berthold Reservation line at the mid-point of between the Closing corners East and West. The survey to the north of the reservation line was completed in 1905 while the subdivision of 152-93 south of the reservation line was completed in 1910. These seem to be independent of each other as shown by the bearings of the section lines. Therefore, it is assumed after review of the notes, plats and acreages of these sections that the quarter line is independent in the areas north and south of the reservation line, although the N-S quarter lines extend to the same point on the reservation line. The E-W quarter line was set parallel with the north line of the section. All 1/16 lines were set at mean bearing. The meander corners on the north, south and west lines were computed at single proportion. The meander corner on the east line was computed at GLO distance northerly from the NE Corner basis of bearing is the mean of the West line of Section 10 and the East Line of Section 11 which both bear north, same as to the line that this corner was set. The meander lines of the left and right banks of the Missouri River were computed and adjusted according to the record. Government Lots 1, 2, 3, 4, 5 & 6 are subject to erosion according to the provided Wenck OHWM. No acreage provided for Government Lot 6 since the Wenck OHWM terminates within its boundaries.

SECTION 11

Two corners of this section were field recovered. The N-S quarter line was set from the NQ south, and terminated at the Fort Berthold Reservation line at the mid-point of between the Closing corners East and West. The survey to the north of the reservation line was completed in 1905 while the subdivision of 152-93 south of the reservation line was completed in 1910. These seem to be independent of each other as shown by the bearings of the section lines. Therefore, it is assumed after review of the notes, plats and acreages of these sections that the quarter line is independent in the areas north and south of the reservation line, although the N-S quarter lines extend to the same point on the reservation line. The E-W quarter line was set parallel with the north line of the section. The N-S 1/16 lines were set at mean bearing. The E-W 1/16 line of the NW4. The meander corners on the south and west lines were computed at single proportion. The meander line of the left bank of the Missouri River was computed and adjusted according to the record. Government Lots 1 & 2 are subject to erosion according to the provided Wenck OHWM. No acreage provided for Government Lot 2 since the Wenck OHWM terminates within its boundaries.

SECTION 5

The NE Closing corner was established at SP using the lap distance form the Standard Corner common to Sections 35 & 36 of Twp 153-99 on the 13th Standard Parallel. The EQ & SE corners were recovered with original stones and accessory rebars at each corner location. The SQ corner was recovered as an original stone with an aluminum capped rebar marked LS 2352. The SW & WQ corners were recovered with original stones and accessory rebars at each corner location. The NW closing corner was not computed or established as part of the original survey therefore neither it nor the NQ corner can be calculated. Thus, the west line of the NW Quarter of the Section was calculated holding the bearing between the aforesaid SW corner and WQ corners and extended north GLO distance, computing the meander corner on the right bank of the Missouri River according to the original survey. To calculate the N-S quarter line in this section a weighted mean bearing of the east and west section lines was used. Further subdivision was completed per the federal method. The Meander corner on the North line was computed using single proportionate measurement, however this meander corner is common to section 5 of Twp 153-99 only since the subdivision of the township to the north resulted in the deputy surveyor establishing another meander corner on the 13th Standard Parallel in 1896, according to his notes state “In running W. retracing the 13th Standard Parallel S. boundary of Sec 35, I find 31.50 chs. the reported distance to Standard Meander cor. on S. boundary of Sec. 35, now falls in Missouri river and consequently all trace of same have been obliterated I therefore establish a new meander corner .....27.80 chs from Standard cor. of Secs. 35 and 36”. The meander corner called for in the subdivision of this section in 1901, according to the original notes, is that of the meander corner set in the survey of the standard parallel in 1891 with a chainage of 31.50 chains from the Standard corner of Sections 35 & 36, however the record does not explicitly or specifically say that the meander corner was field recovered. The meander line being a single call in this section was set between this corner as calculated on the 13th Standard Parallel, at single proportionate measurement, using 31.50 chains per the record for this township, and the reestablished meander corner on the west line. The length of the computed meander line matches the record distance within reason. Government Lot 4 is part of a larger accretion area and is part of Accretion Calculation #1 which was calculated using proportionate shoreline method, holding the Wenck OHWM as the “shoreline”.

SECTION 6

The corners on the east line of the section can be found in the Section 5 narrative. The SQ, SW & WQ corners were recovered with original stones and accessory rebars at each corner location. The NW Closing corner was established at SP using the lap distance form the Standard Corner common to Sections 34 & 35 of Twp 153-99 on the 13th Standard Parallel. The meander corner on the west line was computed at single proportionate measurement. To calculate the N-S quarter line in this section the bearing of the east was held used since the NQ Closing corner cannot be computed from the record, nor can the NE Closing corner. All N-S 1/16 lines were set parallel with the East Section line. The 1/16 line between government lots in the North half was set at single proportion on the west line to 1320’ from the EQ corner. Further subdivision was completed per the federal method. The meander line of the right bank of the Missouri River was computed and adjusted according to the record. Accretions exist in Government Lots 1, 2, 3 & 4 according to the provided Wenck OHWM line. Calculations for this

accretion are part of Accretion Calculation #1 and were computed using the Wenck OHWM line as the new bank and the computed meander line as the ancient bank.

TWP 152 N, R 100 W

SECTION 1

The SE, SQ & EQ corners were recovered with original stones and accessory rebars at each corner location. The NE Closing corner was established, at single proportion, using the lap distance from the Standard Corner common to Sections 33 & 34 of Twp 153-99 on the 13th Standard Parallel. The NW corner was established, at single proportion, using the lap distance from the Standard Corner common to Sections 32 & 33 of Twp 153-99 on the 13th Standard Parallel. The SW corner was calculated at a three-point calculation as no recovered monuments along the surveyed line to the west were recovered and distances are not provided to the township corner on the west line of the township. Therefore, the calculated NW of 1 as previously mentioned, SQ 1 as previously mentioned and the EQ corner of Section 11, an original stone with accessory rebar were used in the computation. The WQ Corner was computed at single proportionate method and the NQ corner was calculated at single proportion and fixed on the 13th Standard parallel. The meander corners on the north and east lines were computed at single proportionate measurement. Subdivision of the section was completed per the federal method. The meander line of the right bank of the Missouri River was computed and adjusted according to the record. Accretions exist in Government Lots 1 & 7 according to the provided Wenck OHWM line. Calculations for this accretion are part of Accretion Calculation #1 and were computed using the Wenck OHWM line as the new bank and the computed meander line as the ancient bank.

SECTION 2

The NE, EQ & SE corner information can be review in the Section 1 narrative. The NW corner was not established, as part of the original survey and not computed. The SW corner was calculated at a two-point calculation as no recovered monuments along the surveyed line to the north and west were recovered and distances are not provided to the township lines. Therefore, the calculated SE of 2 as previously mentioned and the calculated NE corner of Section 15 were used in the computation. The SQ Corner was computed at single proportionate method and the NQ corner was holding the bearing of the east line of Section 2 as calculated to hold the integrity of the original plat and fixed on the 13th Standard parallel, since no closing distance was provided on the west line of the section. The WQ corner was also not established in the original survey the E-W quarter line was set parallel with the south line of the section. The E-W 1-16 lines were computed parallel with the South line of the Section and the N-S 1-16th lines were set parallel with the east line of the section. The meander corner on the north line was computed at single proportionate measurement. The meander corner on the west line was computed at GLO distance north, bearing defined as north as calculated on an extension of the section line common to sections 10 & 11. Subdivision of the section was completed per the federal method. The meander line of the right bank of the Missouri River was computed and adjusted according to the record. Very minimal accretions exist in Government Lots 11, 12 & 13 according to the provided Wenck OHWM line. For this reason, the extension of the property lines to the provided Wenck OHWM line was completed and acreages applied to each Government Lot as computed.

SECTION 3

The NE, EQ & SE corners information can be reviewed in the Section 2 narrative. The NW closing corner was field located and held at a rebar, 435.63' from the Standard Corner common to townships 153-100 & 153-99. This corner lies 1.5' north of the compute standard parallel, however the corner was used to compute proportions but the final section breakdown will show distances to the true corner location. The NQ & SQ corners were not computed as these were not established in the original survey. The SW corner was calculated at a single proportion position base on the original notes that established the corner location within the meandered river area, the NE of Sec. 16 & the NE of Sec. 4 were held in this calculation. The WQ corner was calculated at single proportionate measurement. The meander corner common to Section 2 & 3 can be found in the Section 2 narrative. The meander corner on the right bank common to sections 3 & 10 was set a GLO distance "west" as run parallel with the section line common to Sections 10 & 15 per the GLO notes and plat. Both meander corners on the left bank of the Missouri River were calculated at single proportion between the nearest corners within the section. The meander lines of the left and right bank of the Missouri River were computed and adjusted according to the record. Accreted lands on the right bank in Government Lot 7, were very minimal when comparing the original meander line and Wenck OHWM line the extension of property lines to the provided Wenck OHWM line was completed and acreages applied to each Government Lot as computed.

SECTION 4

The NE, EQ & SE corners information can be reviewed in the Section 3 narrative. The NW closing corner was field located and held at a rebar, 439.66' from the Standard Corner common to Sections 35 & 36 of T153-100. The NQ closing corner was computed on the 13th Standard Parallel at single proportion between the recovered NW & NE corners. The SW corner, also being a meander corner on the right bank of the Missouri River was calculated using a 3-point computation holding the NW Closing corner of Sec. 4, the SE corner of Section 16 being an original stone, and the computed NW corner of Section 7, on the township line. The WQ Corner and the Meander corner common to Sections 4 & 5 were calculated at single proportion. The SQ Corner was not established in the original survey however the N-S quarter line for Section 4 was computed from the calculated NQ corner to the midpoint between the SE & SW corners of Section 4. Accreted lands in Government Lot 13, on the left bank of the Missouri River were computed using proportionate shoreline method and can be found in Accretion Calculation #3.

SECTION 5

The NE corner, EQ corner, SE corner & meander corners on the east line of the section's information can be reviewed in the Section 4 narrative. The NW closing corner was not set in the original survey and a distance from the MC on the line common to sections 5 & 6 to the CC was not provided, however a lap distance is provided on the GLO plat, therefore for direction of the West line of Section 5 the proportionate lap calculation was used. Since the distance to the standard parallel was not provided in calculating the SW corner a 3-point calculation was completed holding the SE corner of Section 5 as calculated, the EQ corner of Section 18 being an original stone, and the calculated NW corner of Section 7. Therefore, to control direction on the west line of Section 5 the lap proportion was used as the north point and the SW corner as the south point. The Quarter corner and the Meander corner along this line were calculated on line at GLO distances. The SQ corner was calculated at single proportion between the

SE & SW corners. The meander corner on the north line was calculated at single proportion on the standard parallel. To control the N-S Quarter line in Section 5, as the best representation, the NQ corner was calculated at single proportionate measurement between the NW & NE corners. Accreted lands in Government Lot 6, on the left bank of the Missouri River were computed using proportionate shoreline method and can be found in Accretion Calculation #3.

SECTION 6

The NE corner, EQ corner, SE corner & meander corners on the east line of the section's information can be reviewed in the Section 5 narrative. The NW Closing corner was computed at lap proportion on the 13th Standard parallel. The WQ & SW corners were calculated at single proportionate measurement along the township line holding the calculated NW Closing corner and the NW corner of Section 18 recovered as a rebar with aluminum cap marked LS 2352. The NQ corner was calculated at single proportionate measurement between the NW & NE corners & the SQ corner was calculated at single proportionate measurement between the SE & SQ corners. The meander corner on the north line was calculated at single proportion along the 13th Standard Parallel. Section 6 being fractional, but hardly, was broken per the federal method. No accretions exist when comparing the meander line and the provided Wenck OHWM line.

SECTION 8

The NE corner's information can be found in the Section 4 narrative. The NQ & NW corner's information can be found in the Section 5 Narrative. Section 8 was not a fractional section per the original survey, however the provided Wenck OHWM line intersects and traverses the section. All 8 corners were computed, and the section was broken per the federal method for a typical section. The SE corner of the section was computed at double proportion holding the NE corner of Section 5 being a rebar on the 13th Standard Parallel, the NQ corner of Section 14 being an original stone with accessory rebar, the SE corner of Section 17 being an original stone with accessory rebar & aluminum cap LS2884, and the NW of Section 18 being a rebar with aluminum cap marked LS 2352. Since the no recovered monument exist north of the SW corner and the original survey does not provided a distance to the standard parallel a 3-point calculation was completed for the SW of Section 8. One may argue that I could have used the calculated NW corner of the section to compute a double proportion, however the calculation of the NW of 8 was also a 3-point calculation, therefore only creating a minor difference, if any in the location of the SW of Section 8. The 3-point calculation was completed holding the GLO distance North from the EQ corner of Section 18 being and original stone and rebar with cap LS 2884, the NQ corner of Section 14 being an original stone with accessory rebar, and the NW of Section 18 being a rebar with aluminum cap marked LS 2352. The remaining EQ, SQ and WQ corners were calculated at single proportionate measurement from their respective nearest adjacent corners.

SECTION 9

The NE corner's information can be found in the Section 3 narrative. The NQ & NW corner's information can be found in the Section 4 Narrative. The WQ & SW corner's information can be found in the Section 8 Narrative. The SE corner of Section 9 was computed at a double proportionate location holding the NE corner of Section 4, a recovered rebar; the NQ corner of Section 14 being an original stone with accessory rebar; the SE corner of Section 16 being an original stone with accessory rebar; and the NW corner of Section 18 being a rebar with aluminum cap marked LS 2352. The EQ and SQ corners were calculated at single proportionate measurement from their respective nearest adjacent corners. The NQ Corner, as described in the Section 4 narrative, was not established in the original survey however the N-S quarter line for Section 9 was computed from the calculated SQ corner to the midpoint between the NE & NW corners of Section 9 in the same manner as the N-S quarter line in Section 4. The meander corner common to Sections 9 & 10 was computed at single proportion. The meander lines of the right bank of the Missouri River was computed and adjusted according to the record. Accreted lands in Government Lots 2, 3 & 4 on the right bank of the Missouri River were computed using proportionate shoreline method and can be found in Accretion Calculation #4.

SECTION 10

The NE corner's information can be found in the Section 2 narrative. The NW corner's information and the meander corner on the north line can be found in the Section 3 Narrative. The WQ & SW corner's information, along with the meander corner on the west line, can be found in the Section 9 Narrative. The SE corner of the section was computed at a 3-point calculation holding GLO distance from the EQ corner of Section 15 being an original stone with an accessory USCOE monument. The NQ of Section 14 being an original stone with accessory rebar and the NW corner of Section 18 being a rebar with aluminum cap marked LS 2352 were held to East and West. The EQ and SQ corners were calculated at single proportionate measurement from their respective nearest adjacent corners. The meander lines of the right bank of the Missouri River was computed and adjusted according to the record. Accreted lands in Government Lots 1, 2, & 4 on the right bank of the Missouri River are minimal and were computed by property line extension.

PLSS CORNERS:

A-1 Computed position based on Rugland and Meinecke corner records from NDLSMRs C3142, Mountrail County (2010) & C4645 Mountrail County (2015). Double proportion matches within 3.25 feet using long baselines West and South. Basis of final calculation is bearing-bearing intersection of the USCOE T pins North and the Original stones East

A-2 Found Original Stone and accessory rebar with Yellow plastic cap LS-6612.

A-3 Found Original Stone and accessory rebar with Aluminum Cap LS-5771.

B-1 Computed at Single Proportion, holding the calculated NW Corner of Section 6 (A-1) and the NW Corner of Section 30 (J-1).

B-3 Found 3.25" Aluminum Cap LS-6860, LW Survey Co.

C-1 Computed at Single Proportion, holding the calculated NW Corner of Section 6 (A-1) and the NW Corner of Section 30 (J-1).

C-2 Computed at GLO distance west from the NE Corner of Section 7 (C-3), basis of bearing is the North line of Section 8 which had the same bearing according to the GLO records.

C-3 Computed at 3 point location holding GLO distance from the NE Corner of Section 8 (C-5) and single proportion holding the EQ Corner of Section 6 (B-3) and the NE Corner of Section 31 (L-3).

C-4 Computed at Single Proportion, holding the calculated NE Corner of Section 7 (C-3) and the NE Corner of Section 8 (C-5).

C-5 Found Original Stone and accessory rebar with Aluminum Cap LS-5771.

D-1 Computed at Single Proportion, holding the calculated NW Corner of Section 6 (A-1) and the NW Corner of Section 30 (J-1).

D-3 Computed at Single Proportion, holding the calculated NE Corner of Section 7 (C-3) and the calculated NE Corner of Section 18 (E-3).

D-5 Original Stone Location, holding Highlands Well location plat Bartleson Federal 44-31-4H, and provided Lat/Long position.

E-1 Computed at Single Proportion, holding the calculated NW Corner of Section 6 (A-1) and the NW Corner of Section 30 (J-1).

E-2 Computed at Single Proportion, holding the calculated NW Corner of Section 18 (E-1) and the calculated NE Corner of Section 18 (E-3).

E-3 Computed at double proportion holding the EQ Corner of Section 6 (B-3), the NQ Corner of Section 16 (E-6), the NE Corner of Section 31 (L-3) and the calculated NW corner of Section 18 (E-1).

E-4 Computed at Single Proportion, holding the calculated NE Corner of Section 18 (E-3) and the calculated NE Corner of Section 17 (E-5).

E-5 Computed at double proportion holding the EQ Corner of Section 8 (D-5), the NQ Corner of Section 16 (E-6), the calculated SE Corner of Section 32 (N-5) and the calculated NW corner of Section 18 (E-1).

E-6 Found Original Stone & pits with accessory Aluminum Capped Rebar LS-3214.

F-1 Computed at Single Proportion, holding the calculated NW Corner of Section 6 (A-1) and the NW Corner of Section 30 (J-1).

F-3 Computed at Single Proportion, holding the calculated NE Corner of Section 18 (E-3) and the calculated NE Corner of Section 19 (G-3).

F-5 Computed at Single Proportion, holding the calculated NE Corner of Section 17 (E-5) and the calculated NE Corner of Section 20 (G-5).

F-7 Found Original Stone and accessory 5/8" Rebar.

G-1 Computed at Single Proportion, holding the calculated NW Corner of Section 6 (A-1) and the NW Corner of Section 30 (J-1).

G-2 Computed at Single Proportion, holding the calculated NW Corner of Section 19 (G-1) and the calculated NE Corner of Section 19 (G-3).

G-3 Computed at double proportion holding the EQ Corner of Section 6 (B-3), the NQ Corner of Section 22 (G-8), the NE Corner of Section 31 (L-3) and the calculated NW corner of Section 19 (G-1).

G-4 Computed at Single Proportion, holding the calculated NE Corner of Section 19 (G-3) and the calculated NE Corner of Section 20 (G-5).

G-5 Computed at double proportion holding the EQ Corner of Section 8 (D-5), the NQ Corner of Section 22 (G-8), the calculated SE Corner of Section 32 (N-5) and the calculated NW corner of Section 19 (G-1).

G-8 Found Original Stone and accessory Aluminum Capped Rebar LS-3214.

H-1 Computed at Single Proportion, holding the calculated NW Corner of Section 6 (A-1) and the NW Corner of Section 30 (J-1).

H-3 Computed at Single Proportion, holding the calculated NE Corner of Section 19 (G-3) and the calculated NE Corner of Section 30 (J-3).

H-5 Computed at Single Proportion, holding the calculated NE Corner of Section 20 (G-5) and the calculated NE Corner of Section 29 (J-5).

J-1 Found Original Stone and accessory Aluminum Capped Monument LS 5771.

J-2 Computed at Single Proportion, holding the NW Corner of Section 30 (J-1) and the calculated NE Corner of Section 30 (J-3).

J-3 Computed at double proportion holding the EQ Corner of Section 6 (B-3), the NE Corner of Section 27 (J-9), the NE Corner of Section 31 (L-3) and the NW corner of Section 30 (J-1).

J-4 Computed at Single Proportion, holding the calculated NE Corner of Section 30 (J-3) and the calculated NE Corner of Section 29 (J-5).

J-5 Computed at double proportion holding the EQ Corner of Section 8 (D-5), the NE Corner of Section 27 (J-9), the calculated SE Corner of Section 32 (N-5) and the NW corner of Section 30 (J-1).

J-6 Computed at Single Proportion, holding the calculated NE Corner of Section 29 (J-5) and the calculated NE Corner of Section 28 (J-7).

J-7 Computed at double proportion holding the EQ Corner of Section 16 (F-7), the NE Corner of Section 27 (J-9), the calculated SE Corner of Section 33 (N-7) and the NW corner of Section 30 (J-1).

J-8 Computed at Single Proportion, holding the calculated NE Corner of Section 28 (J-7) and the NE Corner of Section 27 (J-9).

J-9 Found Aluminum Capped rebar LS-5771.

J-10 Found USCOE T-pin monument.

J-11 Found #3 rebar, as recorded in NDLSMR C3700.

K-1 Found Original Stone and accessory Aluminum Capped Rebar LS-3366 as recorded in NDLSMR 11008572.

K-3 Computed at Single Proportion, holding the calculated NE Corner of Section 30 (J-3) and the NE Corner of Section 31 (L-3).

K-5 Computed at Single Proportion, holding the calculated NE Corner of Section 29 (J-5) and the calculated NE Corner of Section 32 (L-5).

K-7 Computed at Single Proportion, holding the calculated NE Corner of Section 28 (J-7) and the calculated NE Corner of Section 33 (L-7).

K-9 Computed at Single Proportion, holding the NE Corner of Section 27 (J-9) and the calculated NE Corner of Section 34 (L-9).

K-11 Found Rebar with Orange Plastic Cap LS-7389.

L-1 Found Original Stone and Aluminum Capped Rebar LS-3366.

L-2 Found Original Stone and Aluminum Capped Rebar LS-5999.

L-3 Found USACOE Tpost with Section Marker according to NDLSMR 11008180.

L-4 Computed at Single Proportion, holding the NE Corner of Section 31 (L-3) and the calculated NE Corner of Section 32 (L-5).

L-5 Computed at double proportion holding the EQ Corner of Section 8 (D-5), the NE Corner of Section 35 (L-11), the calculated SE Corner of Section 32 (N-5) and the NE corner of Section 31 (L-3).

L-6 Computed at Single Proportion, holding the calculated NE Corner of Section 32 (L-5) and the calculated NE Corner of Section 33 (L-7).

L-7 Computed at double proportion holding the EQ Corner of Section 16 (F-7), the NE Corner of Section 35 (L-11), the calculated SE Corner of Section 33 (N-7) and the NE corner of Section 31 (L-3).

L-8 Computed at Single Proportion, holding the calculated NE Corner of Section 33 (L-7) and the calculated NE Corner of Section 34 (L-9).

L-9 Computed at double proportion holding the NE Corner of Section 27 (J-9), the NE Corner of Section 35 (L-11), the calculated SE Corner of Section 34 (N-9) and the NE corner of Section 31 (L-3).

L-10 Computed at Single Proportion, holding the calculated NE Corner of Section 34 (L-9) and the NE Corner of Section 35 (L-11).

L-11 Found Original Stone.

L-12 Found Original Stone and accessory Aluminum Capped Rebar LS-3214.

L-13 Found Original Stone and accessory Orange Plastic Capped Rebar LS-5771.

M-1 Found Original Stone and Aluminum Capped Rebar LS-5999.

M-3 Found Original Stone and Aluminum Capped Rebar LS-5999

M-5 Computed at Single Proportion, holding the calculated NE Corner of Section 32 (L-5) and the calculated SE Corner of Section 32 (N-5).

M-7 Computed at Single Proportion, holding the calculated NE Corner of Section 33 (L-7) and the calculated SE Corner of Section 33 (N-7).

M-9 Computed at Single Proportion, holding the calculated NE Corner of Section 34 (L-9) and the calculated SE Corner of Section 34 (N-9).

M-11 Computed at Single Proportion, holding the NE Corner of Section 35 (L-11) and the calculated SE Corner of Section 35 (N-11).

M-13 Found Original Stone and accessory Orange Plastic Capped Rebar LS-3541.

N-1 Found

N-3 Found Original Stone and accessory Aluminum Capped Rebar LS-3366.

N-4 Found Original Stone and accessory Aluminum Capped Rebar LS-3366.

N-5 Calculated at Single proportion and adjusted to the offset from the Chord using the secant method, on the 13th Standard Parallel holding the SQ Section 32 (N-4) and the SE Corner of Section 36 (N-13).

N-6 Calculated at Single proportion and adjusted to the offset from the Chord using the secant method, on the 13th Standard Parallel holding the SQ Section 32 (N-4) and the SE Corner of Section 36 (N-13).

N-7 Calculated at Single proportion and adjusted to the offset from the Chord using the secant method, on the 13th Standard Parallel holding the SQ Section 32 (N-4) and the SE Corner of Section 36 (N-13).

N-8 Calculated at Single proportion and adjusted to the offset from the Chord using the secant method, on the 13th Standard Parallel holding the SQ Section 32 (N-4) and the SE Corner of Section 36 (N-13).

N-9 Calculated at Single proportion and adjusted to the offset from the Chord using the secant method, on the 13th Standard Parallel holding the SQ Section 32 (N-4) and the SE Corner of Section 36 (N-13).

N-10 Calculated at Single proportion and adjusted to the offset from the Chord using the secant method, on the 13th Standard Parallel holding the SQ Section 32 (N-4) and the SE Corner of Section 36 (N-13).

N-11 Calculated at Single proportion and adjusted to the offset from the Chord using the secant method, on the 13th Standard Parallel holding the SQ Section 32 (N-4) and the SE Corner of Section 36 (N-13).

N-12 Calculated at Single proportion and adjusted to the offset from the Chord using the secant method, on the 13th Standard Parallel holding the SQ Section 32 (N-4) and the SE Corner of Section 36 (N-13).

N-13 Found Rebar and yellow plastic cap

SECTION 6

Three corners of this section were field recovered. The N-S quarter line was set from the NQ & SQ corners. The E-W quarter line was set from the EQ to the WQ corner. The N-S 1/16 line of the NW & SW quarters was set parallel with the N-S quarter line. The E-W 1/16 line of the NW & NE quarters was set according to GLO proportion of the east and west lines of the section. All other 1/16 lines were set at mean bearings. The meander corner on the west line was computed at single proportion. The meander corner on the south line was computed at GLO distance westerly from the NQ Corner of Section 7 (C-2) basis of bearing is the north line of Section 8 of which was set at west during the original survey. The meander line of the left bank of the Missouri River was computed and adjusted according to the record. Accretions for Government Lots 7 & 8 are calculated in Accretion calculation #31.

SECTION 7

No corners of this section were field recovered. The N-S quarter line was set from the NQ & SQ corners. The E-W quarter line was set from the EQ to the WQ corner. The N-S 1/16 line of the NW & SW quarters was set parallel with the N-S quarter line. All other 1/16 lines were set at mean bearings. The meander corners on the east and west lines were computed at single proportion. The meander corner on the north line was computed at GLO distance westerly from the NQ Corner of Section 7 (C-2) basis of bearing is the north line of Section 8 of which was set at west during the original survey. The meander lines of the left and right banks of the Missouri River were computed and adjusted according to the record. Accretions for Government Lot 2 are calculated in Accretion calculation #31. Government Lots 1, 2, 3, 4, 5, 6, 7 & 8, the SE4 of the SW4 and the S2 of the SE4 are subject to erosion according to the provided Wenck OHWM.

SECTION 8

Two corners of this section were field recovered. The N-S quarter line was set from the NQ & SQ corners. The E-W quarter line was set from the EQ to the WQ corner. All 1/16 lines were set at mean bearings. The meander corners on the south and west lines were computed at single proportion. The meander lines of the left and right banks of the Missouri River were computed and adjusted according to the record. Government Lots 1, 2, 3, & 4, the NE4 of the SW4 and the SW4 of the SE4 are subject to erosion according to the provided Wenck OHWM.

SECTION 17

No corners of this section were field recovered. The N-S quarter line was computed between the NQ corner and the calculated SQ corner for calculation purposes only. The E-W quarter line was set between the EQ and WQ corners and terminated at the left and right banks of the Missouri River. The remaining 1/16 section line were calculated at mean bearings. The meander corners on the north and south lines were computed at single proportion. The meander line of the left and right banks of the Missouri River were computed and adjusted according to the record. Accretions for Government Lots 2, 3, 6 & 7 are calculated in Accretion calculation #34. Government Lots 1, 2, 4, 5 & 8, the E2 of the SE4 and the SE4 of the NE4 are subject to erosion according to the provided Wenck OHWM.

SECTION 18

No corners of this section were field recovered. This Section was not traversed by the Missouri River or the meanders of the original survey. Therefore, the section was broken using the federal method for Sections on the western tier of townships. Accretions for Government Lot 1 are calculated in Accretion calculation #34. The N2 of the NE4 and the NE4 of the NW4 are subject to erosion according to the provided Wenck OHWM.

SECTION 19

One corner of this section was field recovered. The N-S quarter line was computed between the NQ and SQ corners. The E-W quarter line was set between the EQ and WQ corners and terminated at the right bank of the Missouri River. The remaining 1/16 section line were calculated using the federal method for Sections on the western tier of townships. The meander corners on the east and south lines were computed at single proportion. The meander line of the right bank of the Missouri River was computed and adjusted according to the record. Accretions for Government Lots 3, 4 & 7 are calculated in Accretion calculation #34.

SECTION 20

No corners of this section were field recovered. The N-S quarter line was computed between the SQ corner and calculated the NQ corner and terminated at the south line of Government Lot 1. The E-W quarter line was set between the EQ corner and the calculated WQ corner and terminated at the left bank of the Missouri River. The 1/16 section lines were computed at mean bearings. The meander corners on the north, south and west lines were computed at single proportion. The meander lines of the left and right banks of the Missouri River were computed and adjusted according to the record. Accretions for Government Lot 2 are calculated in Accretion calculation #34. The remainder of the section is subject to erosion according to the provided Wenck OHWM.

SECTION 26

Five corners of this section were field recovered. The N-S quarter line was computed between the NQ and SQ corners. The E-W quarter line was set between the EQ and WQ corners. All 1/16 lines in of this Section were run at mean bearings. The meander corners on the west and south lines were computed at single proportion. The meander line of the left bank of the Missouri River was computed and adjusted according to the record. Government Lots 1, 2 & 3 and the NW4 of the SE4 are subject to erosion according to the provided Wenck OHWM.

SECTION 27

One corner of this section was field recovered. The N-S quarter line was computed between the NQ and SQ corners. The E-W quarter line was set between the EQ and WQ corners, however it was used to establish 1/16 lines only. All 1/16 lines in of this Section were run at mean bearings. The meander corners on the east, west and south lines were computed at single proportion. The meander lines of the left and right bank of the Missouri River were computed and adjusted according to the record. Government Lots 1, 5, 6 & 7 and the S2 of the SW4 are subject to erosion according to the provided Wenck OHWM. Accretions for Government Lot 7 are calculated in Accretion calculation #32. Accretions for Government Lots 1, 2, 3 & 4 are calculated in Accretion calculation #33.

SECTION 28

No corners of this section were field recovered. The N-S quarter line was computed between the NQ and SQ corners. The E-W quarter line was computed between the EQ and WQ corners for calculation purposes. All 1/16 lines in of this Section were run at mean bearings. The meander corners on the east and west lines were computed at single proportion. The meander lines of the left and right banks of the Missouri River were computed and adjusted according to the record. Government Lots 5, 6, 7 & 8, the S2 of the SW4 and the S2 of the SE are subject to erosion according to the provided Wenck OHWM. Accretions for Government Lots 1, 2, 3 & 4 are calculated in Accretion calculation #33.

SECTION 29

One corner of this section was field recovered. The N-S quarter line was computed between the NQ and SQ corners. The E-W quarter line was computed between the EQ and WQ corners. All 1/16 lines in of this Section were run at mean bearings. The meander corners on the north, east and west lines were computed at single proportion. The meander lines of the left and right banks of the Missouri River were computed and adjusted according to the record. Government Lots 2, 3, 5, 6 & 7, the SW4 of the SE4 and the NE4 of the SW4 are subject to erosion according to the provided Wenck OHWM. Accretions for Government Lots 1 & 2 are calculated in Accretion calculation #33. Accretions for Government Lots 4 & 5 are calculated in Accretion calculation #34.

SECTION 30

Five corners of this section were field recovered. This Section was minimally traversed by the Missouri River or the meanders of the original survey. Therefore, the section was broken using the federal method for Sections on the western tier of townships. The meander corners on the north and east lines were computed at single proportion. The meander line of the right bank of the Missouri River were computed and adjusted according to the record. Accretions for Government Lot 1 are calculated in Accretion calculation #34.

SECTION 32

Four corners of this section were field recovered. This Section was not traversed by the Missouri River or the meanders of the original survey. Therefore, the section was broken using the federal method for standard Sections. The NE4 of the NE4 is subject to erosion according to the provided Wenck OHWM.

SECTION 33

No corners of this section were field recovered. This Section was not traversed by the Missouri River or the meanders of the original survey. Therefore, the section was broken using the federal method for standard Sections. The N2 of the NW4 and the N2 of the NE4 are subject to erosion according to the provided Wenck OHWM.

SECTION 34

No corners of this section were field recovered. The N-S quarter line was computed between the NQ and SQ corners. The E-W quarter line was set between the EQ and WQ corners. All 1/16 lines in of this Section were run at mean bearings. The meander corners on the north and east lines were computed at single proportion. The meander line of the right bank of the Missouri River was computed and adjusted according to the record. The N2 of the NW4 is subject to erosion according to the provided Wenck OHWM. Accretions for Government Lots 1 & 2 are calculated in Accretion calculation #32.

SECTION 35

No corners of this section were field recovered. The N-S quarter line was computed between the NQ and SQ corners, however it was used to establish 1/16 lines only. The E-W quarter line was set between the EQ and WQ corners. All 1/16 lines in of this Section were run at mean bearings. The meander corners on the west and south lines were computed at single proportion. The meander corner on the north line is also the NQ corner. The meander lines of the left and right bank of the Missouri River were computed and adjusted according to the record. Government Lots 1, 2, 3 & 6 and the NE4 of the SE4 are subject to erosion according to the provided Wenck OHWM. Accretions for Government Lots 4 & 5 are calculated in Accretion calculation #32.

SECTION 36

TWP 153 N, R 093 W

Five corners of this section were field recovered. This Section was not traversed by the Missouri River or the meanders of the original survey. Therefore, the section was broken using the federal method for standard Sections. The SW4 of the SW4 is subject to erosion according to the provided Wenck OHWM.

TWP 153 N, R 094 W

PLSS CORNERS:

A-1 Found BLM Aluminum Capped Monument, dated 1984.

A-2 Found Original Stone, per NDLSMR 11008574.

A-3 Found Original Stone and accessory Aluminum Cap LS-3496.

A-4 Computed at Single proportion, and adjusted to the chord offset, using the secant method, holding the NE Corner of Section 6 (A-3) and the NE Corner of Section 1 (A-13).

A-5 Computed at Single proportion, and adjusted to the chord offset, using the secant method, holding the NE Corner of Section 6 (A-3) and the NE Corner of Section 1 (A-13).

A-6 Computed at Single proportion, and adjusted to the chord offset, using the secant method, holding the NE Corner of Section 6 (A-3) and the NE Corner of Section 1 (A-13).

A-7 Computed at Single proportion, and adjusted to the chord offset, using the secant method, holding the NE Corner of Section 6 (A-3) and the NE Corner of Section 1 (A-13).

A-8 Computed at Single proportion, and adjusted to the chord offset, using the secant method, holding the NE Corner of Section 6 (A-3) and the NE Corner of Section 1 (A-13).

A-9 Computed at Single proportion, and adjusted to the chord offset, using the secant method, holding the NE Corner of Section 6 (A-3) and the NE Corner of Section 1 (A-13).

A-10 Computed at Single proportion, and adjusted to the chord offset, using the secant method, holding the NE Corner of Section 6 (A-3) and the NE Corner of Section 1 (A-13).

A-11 Computed at Single proportion, and adjusted to the chord offset, using the secant method, holding the NE Corner of Section 6 (A-3) and the NE Corner of Section 1 (A-13).

A-12 Computed at Single proportion, and adjusted to the chord offset, using the secant method, holding the NE Corner of Section 6 (A-3) and the NE Corner of Section 1 (A-13).

A-13 Computed position based on Rugland and Meinecke corner records from NDLSMRs C3142, Mountrail County (2010) & C4645 Mountrail County (2015). Double proportion matches within 3.25 feet using long baselines West and South. Basis of final calculation is bearing-bearing intersection of the USCOE T pins North and the Original stones East

B-5 Computed at Single proportion, holding the calculated NE Corner of Section 5 (A-5) and the NE Corner of Section 8 (C-5).

B-9 Computed at Single Proportion, holding the calculated NE Corner of Section 3 (A-9) and the calculated NE Corner of Section 10 (C-9).

B-11 Computed at Single Proportion, holding the calculated NE Corner of Section 2 (A-11) and the calculated NE Corner of Section 11 (C-11).

B-13 Computed at Single Proportion, holding the calculated NE Corner of Section 1 (A-13) and the calculated NE Corner of Section 25 (J-13).

C-5 Found Aluminum post and Cap, BLM 1983.

C-6 Computed at GLO distance East from the NE Corner of Section 8 (C-5) bearing based on line perpendicular to the calculated mean line of the East line of the Township which is a bearing of north on the GLO plat.

C-8 Computed at GLO distance West from the NE Corner of Section 10 (C-9) bearing based on line perpendicular to the calculated mean line of the East line of the Township which is a bearing of north on the GLO plat.

C-9 Computed at Single Proportion, holding the calculated NE Corner of Section 3 (A-9) and the NE Corner of Section 15 (E-9). Lines East and West were terminated at the left bank of the Missouri River, no existing monuments found on either of these lines, 3-point and Double proportion are not applicable.

C-10 Computed at Single Proportion, holding the calculated NE Corner of Section 10 (C-9) and the calculated NE Corner of Section 11 (C-11).

C-11 Computed at Single Proportion, holding the calculated NE Corner of Section 2 (A-11) and the EQ Corner of Section 14 (F-11). Lines East and West were terminated at the left bank of the Missouri River, no existing monuments found on either of these lines, 3-point and Double proportion are not applicable.

C-13 Computed at Single Proportion, holding the calculated NE Corner of Section 1 (A-13) and the calculated NE Corner of Section 25 (J-13).

D-5 Found Aluminum post and Cap, BLM 1983.

D-7 Computed at GLO distance North from the NE Corner of Section 16 (E-7) bearing based on mean line of original & BLM monuments south.

D-9 Computed at Single Proportion, holding the calculated NE Corner of Section 10 (C-9) and the NE Corner of Section 15 (E-9).

D-11 Computed at Single Proportion, holding the calculated NE Corner of Section 11 (C-11) and the calculated NE Corner of Section 14 (E-11).

D-13 Computed at Single Proportion, holding the calculated NE Corner of Section 1 (A-13) and the calculated NE Corner of Section 25 (J-13).

E-5 Found Original Stone and accessory Aluminum Capped Monument LS 3366.

E-6 Found Original Stone and accessory Aluminum Capped Monument LS 3366.

E-7 Found Original Stone and accessory Aluminum Capped Monument LS 3366.

E-8 Found Original Stone and accessory Aluminum Capped Monument LS 3366.

E-9 Found Aluminum Capped Monument LS 3366.

E-10 Computed at Single Proportion, holding the NE Corner of Section 15 (E-9) and the calculated NE Corner of Section 14 (E-11).

E-11 Computed at Double Proportion, holding the calculated NE Corner of Section 2 (A-11), the calculated NE Corner of Section 13 (E-13), the EQ Corner of Section 14 (F-11) and the NE Corner of Section 15 (E-9).

E-12 Computed at Single Proportion, holding the NE Corner of Section 14 (E-11) and the calculated NE Corner of Section 14 (E-13).

E-13 Computed at Single Proportion, holding the calculated NE Corner of Section 1 (A-13) and the calculated NE Corner of Section 25 (J-13).

F-11 Found Original Stone and accessory Aluminum Capped Monument LS 3366.

J-13 Found Original Stone and accessory Aluminum Capped Monument LS 5771.

SECTION 1

No corners of this section were field recovered. The N-S quarter line was set from the NQ corner mean bearing south. The E-W quarter line was set from the EQ to the WQ corner. The north half of this section was broken using the federal method for Fractional Sections on the northern tier of Townships. The remainder of the section was computed at mean bearings. The meander corner on the east line was computed at single proportion. The meander corner on the south line was computed at GLO distance easterly from the NE Corner of Section 11 (C-11) basis of bearing is a perpendicular line to the mean of the east Township line of which was set perpendicular to said line during the original survey. The meander line of the left bank of the Missouri River was computed and adjusted according to the record. Accretions for Government Lots 5, 6 & 7 are calculated in Accretion calculation #31.

SECTION 2

No corners of this section were field recovered. This Section was not traversed by the Missouri River or the meanders of the original survey. Therefore, the section was broken using the federal method for Fractional Sections on the northern tier of Townships. Government Lots 3 & 4, the S2 of the NW4 and the SW4 are subject to erosion according to the provided Wenck OHWM.

SECTION 3

No corners of this section were field recovered. The N-S quarter line was set between the NQ and SQ corners. The E-W quarter line was set from the EQ corner parallel with the south line. All N-S 1/16 lines in of this Section were run at mean bearings. All E-W 1/16 lines in of this Section were set parallel with the South line of the Section. The meander corner on the north line was computed at single proportion. The meander corner on the south line was computed at GLO distance westerly from the NE Corner of Section 10 (C-9) basis of bearing is a perpendicular line to the mean of the east Township line of which was set perpendicular to said line during the original survey. The meander corners on the west line were computed at GLO distance southerly from the NE Corner of Section 4 (A-7) basis of bearing is calculated mean line of the original monuments south. The meander lines of the left and right banks of the

Missouri River were computed and adjusted according to the record. Most of this section is subject to erosion according to the provided Wenck OHWM.

SECTION 4

One corner of this section was field recovered. The N-S quarter line was set between the NQ and SQ corners. The E-W quarter line was set from the WQ corner parallel with the south line. All N-S 1/16 lines in of this Section were run at mean bearings. All E-W 1/16 lines in of this Section were set parallel with the South line of the Section. The meander corner on the north line was computed at single proportion. The meander corner on the south line was computed at GLO distance easterly from the NE Corner of Section 8 (C-5) basis of bearing is a perpendicular line to the mean of the east Township line of which was set perpendicular to said line during the original survey. The meander corners on the east line were computed at GLO distance southerly from the NE Corner of Section 4 (A-7) basis of bearing is calculated mean line of the original monuments south. The meander lines of the right bank of the Missouri River were computed and adjusted according to the record. Government Lots 1 & 2 are subject to erosion according to the provided Wenck OHWM. Accretions for Government Lots 5 & 6 exist according to the provided Wenck OHWM and were calculated by line extension.

SECTION 9

Five corners of this section were field recovered. The N-S quarter line was set between the NQ and SQ corners. The E-W quarter line was set between the WQ and EQ corners. All 1/16 lines in of this Section were run at mean bearings. The meander corner on the north line was computed at GLO distance easterly from the NE Corner of Section 8 (C-5) basis of bearing is a perpendicular line to the mean of the east Township line of which was set perpendicular to said line during the original survey. The meander corner on the east line was computed at GLO distance northerly from the NE Corner of Section 16 (E-7) basis of bearing is calculated mean line of the original monuments south. The meander line of the right bank of the Missouri River was computed and adjusted according to the record. Government Lots 1 & 2 are subject to erosion according to the provided Wenck OHWM. Accretions for Government Lot 1 are calculated in Accretion calculation #35.

SECTION 10

Three corners of this section were field recovered. The N-S quarter line was set between the NQ and SQ corners. The E-W quarter line was set between the WQ and EQ corners. All 1/16 lines in of this Section were run at mean bearings. The meander corner on the north line was computed at GLO distance westerly from the NE Corner of Section 10 (C-7) basis of bearing is a perpendicular line to the mean of the east Township line of which was set perpendicular to said line during the original survey. The meander corner on the west line was computed at GLO distance northerly from the NE Corner of Section 16 (E-7) basis of bearing is calculated mean line of the original monuments south. The meander corners on the east line were computed at single proportion. The meander lines of the left and right bank of the Missouri River were computed and adjusted according to the record. Government Lots 1, 2,

3, 5, 6 & 7 are subject to erosion according to the provided Wenck OHWM. Accretions for Government Lot 4 exist according to the provided Wenck OHWM. Accretions for Government Lot 1 are calculated in Accretion calculation #31. Accretions for Government Lots 4 & 5 are calculated in Accretion calculation #35.

SECTION 11

One corner of this section was field recovered. The N-S quarter line was set between the NQ and SQ corners. The E-W quarter line was not established or computed. All 1/16 lines in of this Section were run at mean bearings. The meander corners on the east and west lines were computed at single proportion. The meander lines of the left and right bank of the Missouri River were computed and adjusted according to the record. Government Lots 5, 6, 7 & 8 are subject to erosion according to the provided Wenck OHWM. Accretions for Government Lots 1, 2, 3 & 4 are calculated in Accretion calculation #31.

SECTION 12

No corners of this section were field recovered. The N-S quarter line was set from the SQ corner mean bearing north. The E-W quarter line was computed only for calculation for 1/16 lines. All 1/16 lines in of this Section were run at mean bearings. The meander corners on the east and west lines were computed at single proportion. The meander corner on the north line was computed at GLO distance easterly from the NE Corner of Section 11 (C-11) basis of bearing is a perpendicular line to the mean of the east Township line of which was set perpendicular to said line during the original survey. The meander lines of the left and right banks of the Missouri River were computed and adjusted according to the record. Government Lots 2, 3, 4 & 5 and the S2 of the SE4 are subject to erosion according to the provided Wenck OHWM. Accretions for Government Lot 1 are calculated in Accretion calculation #31.

TWP 153 N, R 098 W

PLSS CORNERS:

A-9 Found Original Stone and Accessory Aluminum Capped Rebar LS 4654

A-10 Found Original Stone and Accessory Aluminum Capped Rebar LS 4654

A-11 Calculated at Single proportion and adjusted to the offset from the Chord holding the NQ Section 2 (A-10) and the Calculated NE Corner of Section 1 (A-13)

A-12 Calculated at Single proportion and adjusted to the offset from the Chord holding the NQ Section 2 (A-10) and the Calculated NE Corner of Section 1 (A-13)

A-13 Computed at a double proportionate location holding; the NE Corner of Section 25-154-98 being an Original Stone and Accessory Aluminum Capped Rebar LS 4654; the NW Corner of Section 5-153-97 Original Stone and Accessory Aluminum Capped Rebar LS 4654; the WQ Corner of Section 7-153-97 a recovered original stone with accessory rebar; and the NQ Corner of Section 2-153-98 an Original Stone and Accessory Aluminum Capped Rebar LS 4654.

B-9 Found an Aluminum Capped Rebar

B-11 Not set in GLO Survey, not computed.

B-13 Calculated at Single proportion holding the EQ Section 12 (D-13) and the Calculated NE Corner of Section 1 (A-13)

C-9 Found an Aluminum Capped Rebar

C-10 Calculated at lost single proportion holding the NE Section 10 (C-9) & NE Section 11 (C-11)

C-11 Computed at a 3 point proportionate location holding; the NE Corner of Section 10 (C-9), the calculated NE Corner of Section 12 (C-13) and GLO distance from the EQ Corner of Section 26 (K-11).

C-12 Calculated at lost single proportion holding the NE Section 11 (C-11) & NE Section 12 (C-13)

C-13 Calculated at Single proportion holding the EQ Section 12 (D-13) and the Calculated NE Corner of Section 1 (A-13)

D-9 Found Aluminum Capped Rebar LS-2352

D-11 Calculated at Single proportion holding the Calculated NE Section 11 (C-11) and the Calculated NE Corner of Section 14 (E-11)

D-13 Found Original Stone and accessory 5/8” rebar

E-9 Found Rebar

E-10 Calculated at Single proportion holding the NE Section 15 (E-9) and the Calculated NE Corner of Section 14 (E-11)

E-11 Computed at a double proportionate location holding; the calculated NE Corner of Section 11 (C-11); the NE Corner of Section 13 (E-13); the EQ Corner of Section 26 (K-11) and the NE Corner of Section 15 (E-9).

E-12 Calculated at Single proportion holding the Calculated NE Corner of Section 14 (E-11) and the NE Corner of Section 13 (E-13)

E-13 Found Original Stone and accessory Aluminum Capped Rebar LS-4654

F-9 Calculated at Single proportion holding the NE Corner of Section 15 (E-9) and the Calculated NE Corner of Section 22 (G-9)

F-11 Calculated at Single proportion holding the Calculated NE Corner of Section 14 (E-11) and the Calculated NE Corner of Section 23 (G-11)

F-13 Calculated at Single proportion holding the NE Corner of Section 13 (E-13) and the NE Corner of Section 24 (G-13)

G-1 Found Original Stone and accessory Aluminum Capped Rebar LS-5999

G-2 Found Rebar

G-3 Found Rebar

G-4 Found Original Stone and accessory Rebar

G-5 Found Original Stone and accessory Rebar

G-6 Found Original Stone and accessory Rebar

G-7 Found Original Stone and accessory Rebar

G-8 Found Original Stone and carsonite post

G-9 Computed at a double proportionate location holding; the NE Corner of Section 15 (E-9); the NE Corner of Section 24 (G-13); the EQ Corner of Section 34 (M-9) and the NQ Corner of Section 22 (G-8).

G-10 Calculated at Single proportion holding the Calculated NE Corner of Section 22 (G-9) and the Calculated NE Corner of Section 23 (G-11)

G-11 Computed at a double proportionate location holding; the calculated NE Corner of Section 11 (C-11); the NE Corner of Section 24 (G-13); the EQ Corner of Section 26 (K-11) and the NQ Corner of Section 22 (G-8).

G-12 Calculated at Single proportion holding the Calculated NE Corner of Section 23 (G-11) and the NE Corner of Section 24 (G-13)

G-13 Found Aluminum Capped Corps of Engineers Monument

H-1 Calculated at Single proportion holding the NW Corner of Section 19 (G-1) and the SW Corner of Section 31 (N-1)

H-3 Need to review

H-5 Found Rebar and Cap LS-2352

H-7 Found Brass Capped Corps of Engineers Monument

H-9 Calculated at Single proportion holding the calculated NE Corner of Section 22 (G-9) and the calculated NE Corner of Section 27 (J-9)

H-11 Calculated at Single proportion holding the calculated NE Corner of Section 23 (G-11) and the calculated NE Corner of Section 26 (J-11)

H-13 Found Rebar and Cap LS-2352

J-1 Calculated at Single proportion holding the NW Corner of Section 19 (G-1) and the SW Corner of Section 31 (N-1)

J-2 Calculated at Single proportion holding the calculated NW Corner of Section 30 (J-1) and the calculated NE Corner of Section 30 (J-3)

J-3 Computed at a double proportionate location holding; the EQ Corner of Section 19 (H-3); the calculated NE Corner of Section 29 (J-5); the SE Corner of Section 31 (N-3) and the calculated NW Corner of Section 30 (J-1).

J-4 Calculated at Single proportion holding the calculated NE Corner of Section 30 (J-3) and the calculated NE Corner of Section 29 (J-5)

J-5 Computed at a 3 point proportionate location holding; the EQ Corner of Section 20 (H-5), the SE Corner of Section 32 (N-5) and GLO distance from the NW Corner of Section 30 (J-1).

J-6 Computed at GLO distance “west” holding the north line of Section 33 for bearing

J-7 Computed at a 3 point proportionate location holding; the EQ Corner of Section 21 (H-7), the SE Corner of Section 33 (N-7) and GLO distance from the NQ Corner of Section 25 (J-12).

J-8 Calculated at Single proportion holding the calculated NE Corner of Section 28 (J-7) and the calculated NE Corner of Section 27 (J-9)

J-9 Computed at a double proportionate location holding; the NE Corner of Section 15 (E-9); the NQ Corner of Section 25 (J-12); the EQ Corner of Section 34 (M-9) and the calculated NE Corner of Section 28 (J-7).

J-10 Calculated at Single proportion holding the calculated NE Corner of Section 27 (J-9) and the calculated NE Corner of Section 26 (J-11)

J-11 Computed at a double proportionate location holding; the calculated NE Corner of Section 11 (C-11); the NQ Corner of Section 25 (J-12); the EQ Corner of Section 26 (K-11) and the calculated NE Corner of Section 28 (J-7).

J-12 Found Aluminum Capped Corps of Engineers Monument

J-13 Found rebar with Yellow Plastic Cap LS-1241

K-1 Not set in GLO Survey, not computed.

K-3 Calculated at Single proportion holding the calculated NE Corner of Section 30 (J-3) and the calculated NE Corner of Section 31 (L-3)

K-5 Calculated at Single proportion holding the calculated NE Corner of Section 29 (J-5) and the calculated NE Corner of Section 32 (L-5)

K-7 Calculated at Single proportion holding the calculated NE Corner of Section 28 (J-7) and the calculated NE Corner of Section 33 (L-7)

K-9 Calculated at Single proportion holding the calculated NE Corner of Section 27 (J-9) and the calculated NE Corner of Section 34 (L-9)

K-11 Found Original Stone and accessory 5/8" Rebar

L-1 Calculated at Single proportion holding the NW Corner of Section 19 (G-1) and the SW Corner of Section 31 (N-1)

L-2 Computed at GLO distance "west" holding the north line of Section 32 for bearing

L-3 Computed at a 3 point proportionate location holding; the EQ Corner of Section 19 (H-3), the SE Corner of Section 31 (N-3) and GLO distance from the Witness Corner to the NQ Corner of Section 35 (L-10).

L-4 Calculated at Single proportion holding the calculated NE Corner of Section 31 (L-3) and the calculated NE Corner of Section 32 (L-5)

L-5 Computed at a double proportionate location holding; the EQ Corner of Section 20 (H-5); the Witness Corner to the NQ Corner of Section 35 (L-10); the SE Corner of Section 32 (N-5) and the calculated NE Corner of Section 31 (L-3).

L-6 Calculated at Single proportion holding the calculated NE Corner of Section 32 (L-5) and the calculated NE Corner of Section 33 (L-7).

L-7 Computed at a double proportionate location holding; the EQ Corner of Section 21 (H-7); the Witness Corner to the NQ Corner of Section 35 (L-10); the SE Corner of Section 33 (N-7) and the calculated NE Corner of Section 31 (L-3).

L-8 Calculated at Single proportion holding the calculated NE Corner of Section 33 (L-7) and the calculated NE Corner of Section 34 (L-9).

L-9 Computed at a double proportionate location holding; the NE Corner of Section 15 (E-9); the Witness Corner to the NQ Corner of Section 35 (L-10); the EQ Corner of Section 34 (M-9) and the calculated NE Corner of Section 31 (L-3).

L-10 Calculated 1.5 chains east of the Witness corner

L-11 Found Original Stone and accessory Rebar with pits

M-1 Not set in GLO Survey, not computed.

M-3 Calculated at Single proportion holding the calculated NE Corner of Section 31 (L-3) and the SE Corner of Section 31 (N-3)

M-5 Calculated at Single proportion holding the calculated NE Corner of Section 32 (L-5) and the SE Corner of Section 32 (N-5)

M-7 Calculated at Single proportion holding the calculated NE Corner of Section 33 (L-7) and the SE Corner of Section 33 (N-7)

M-9 Found Original Stone with accessory 5/8" Rebar

N-1 Found Aluminum Capped Rebar LS-2999

N-2 Found Aluminum Capped Corps of Engineers Monument

N-3 Found Aluminum Capped Rebar LS-3214, Matt Krebs notified me that in his previous calculation for this corner location he did not find the original stone at the SQ corner of Section 32 (N-4), therefore holding the recently recovered stone a location has been recomputed Single proportion and adjusted to the offset from the Chord holding the SQ Section 31 (N-2) and the SQ Corner of Section 32 (N-4)

N-4 Found Original Stone and accessory Aluminum Capped Rebar LS-5771

N-5 Found Original Stone and accessory Aluminum Capped Rebar LS-3214

N-6 Found Aluminum Capped Rebar LS-2352

N-7 Found Original Stone and accessory Yellow Plastic Capped Rebar LS-3287

SECTION 1

No corners of this section were field recovered. The WQ was not established as part of the original survey, since the Missouri river divides the section. Additionally, the West line was not run to the north township line, therefore the Meander corner was computed at GLO distance, holding the bearing of the east line of Section 11, from the SW corner of the Section. The N-S quarter line was computed between the NQ and SQ corners. The E-W quarter line was set parallel with the south line of the section, the reasoning for this is; there is no distance provided on the last half mile of the west line of this section therefore the distance cannot be proportioned, furthermore mean or weighted mean bearing of the north and south lines would assume the section typical which it is not since it is located on the northern tier of sections, closing into the township line. The quarter line is then terminated at the right bank of the Missouri River. All, N-S 1/16 lines were computed at mean courses and the E-W 1/16 lines set parallel with the south line in the same manner as the E-W quarter line. The meander corner on the North line was calculated by single proportionate measurement. Accretions along the right bank for Government Lots 4 and 5 are part of Accretion Calculation #8 (proportionate shoreline).

SECTION 2

Three corners of this section were field recovered. The EQ was not established as part of the original survey, since the Missouri river divides the section. Additionally, the East line was not run to the north township line, therefore the Meander corner was computed at GLO distance, holding the bearing of the east line of Section 11, from the SW corner of the Section. The N-S quarter line was computed between the NQ and SQ corners. The E-W quarter line was set parallel with the south line of the section, the reasoning for this is; there is no distance provided on the last half mile of the east line of this section therefore the distance cannot be proportioned, furthermore mean or weighted mean bearing of the

north and south lines would assume the section typical which it is not since it is located on the northern tier of sections, closing into the township line. The quarter line is then terminated at the left bank of the Missouri River. All, N-S 1/16 lines were computed at mean courses and the E-W 1/16 lines set parallel with the south line in the same manner as the E-W quarter line. The meander corners on the North and south lines were calculated by single proportionate measurement. Accretions along the left bank in Government Lots 1, 4, 5 & 6 are part of accretion calculation #13, proportionate shoreline.

SECTION 11

Three corners of this section were field recovered. The NQ was not established as part of the original survey, since the Missouri river divides the section. Meander corners on the North and South Lines were computed at single proportionate measurement between their respective corners. The E-W quarter line was set between the WQ & EQ corners and terminated at the left and right banks of the Missouri River; the N-S quarter line was not computed as part of this survey nor the original survey. All 1/16 lines were computed at mean courses and terminated the right and left bank if necessary. Accretions along the right bank for Government Lots 1, 4, 5 and 8 are part of Accretion Calculation #8 (proportionate shoreline).

SECTION 12

Two corners of this section were recovered. This Section was not fractional at the time of the original survey; therefore, the section was broken using the federal method for standard sections.

SECTION 13

Two corners of this section were recovered. This Section was not fractional at the time of the original survey; therefore, the section was broken using the federal method for standard sections. Portions of this section are affected by Accretion Calculation #9 (proportionate shoreline).

SECTION 14

One corner of this section was recovered. The N-S quarter line was computed between the NQ and SQ corners. The E-W quarter line was computed between the WQ and EQ corners and terminated on the left and right banks of the Missouri River. All 1/16 lines were computed at mean courses and terminated the right and left bank if necessary. Accretions along the left bank for Government Lots 2, 3, 6 and 7 are part of Accretion Calculation #9 (proportionate shoreline).

SECTION 20

Five corners of this section were field recovered. This Section, although fractional at the time of the original survey, was broken using the federal method for standard sections since all corners were

established in the original survey. The meander corners on the East and South lines were calculated by single proportionate measurement. Accretions along the left bank for Government Lot 1 is part of Accretion Calculation #10 (proportionate shoreline).

SECTION 21

Five corners of this section were field recovered. This Section, although fractional at the time of the original survey, was broken using the federal method for standard sections since all corners were established in the original survey. The meander corners on the West and East lines were calculated by single proportionate measurement. The meander corner on the South line was computed at GLO distance “west” holding the north line of Section 33 for bearing. Accretions along the left bank for Government Lots 2, 3 and 4 are part of Accretion Calculation #10 (proportionate shoreline).

SECTION 22

Three corners of this section were field recovered. This Section, although fractional at the time of the original survey, was broken using the federal method for standard sections since all corners were established in the original survey. The meander corners on the West and South lines were calculated by single proportionate measurement. Portions of this section are affected by Accretion Calculation #11 (proportionate shoreline).

SECTION 23

No corners of this section were field recovered. This Section, although fractional at the time of the original survey, was broken using the federal method for standard sections since all corners were established in the original survey. The meander corners on the North and South lines were calculated by single proportionate measurement. Accretions along the left bank for Government Lots 2 and 3 are part of Accretion Calculation #9 (proportionate shoreline). Accretions along the right bank of the Missouri River for Government Lots 5 and 8 are part of Accretion Calculation #11 (proportionate shoreline).

SECTION 24

Four corners of this section were field recovered. This Section was not fractional at the time of the original survey; therefore, the section was broken using the federal method for standard sections. Portions of this section are affected by Accretion Calculation #9 (proportionate shoreline).

SECTION 26

Two corners of this section were field recovered and the Witness corner to the SQ corner. This Section, although fractional at the time of the original survey, was broken using the federal method for standard sections since all corners were established or can be computed from the original survey. The meander

corners on the North and West lines were calculated by single proportionate measurement. Accretions along the right bank of the Missouri River for Government Lots 1, 4, 5, 7 and 8 are part of Accretion Calculation #11 (proportionate shoreline).

SECTION 27

No corners of this section were field recovered. This Section, although fractional at the time of the original survey, was broken using the federal method for standard sections since all corners were established or can be computed from the original survey. The meander corners on the North and East lines were calculated by single proportionate measurement. Accretions along the right bank of the Missouri River for Government Lots 2, 3, 5, 6 and 7 are part of Accretion Calculation #11 (proportionate shoreline).

SECTION 28

No corners of this section were field recovered. This Section, although fractional at the time of the original survey, was broken using the federal method for standard sections since all corners were established or can be computed from the original survey. The meander corner on the West line was calculated by single proportionate measurement. The meander corner on the North line was computed at GLO distance “west” holding the north line of Section 33 for bearing. Portions of this section are affected by Accretion Calculation #10 (proportionate shoreline).

SECTION 29

No corners of this section were field recovered. This Section, although fractional at the time of the original survey, was broken using the federal method for standard sections since all corners were established or can be computed from the original survey. The meander corners on the North, South and East lines were calculated by single proportionate measurement. Accretions along the left bank of the Missouri River for Government Lots 1, 2 and 3 are part of Accretion Calculation #10 (proportionate shoreline).

SECTION 30

No corners of this section were field recovered. The N-S Quarter line of this section was computed between the NQ and SQ corners. The E-W Quarter line was set at mean bearing of the north and south Section lines. All 1/16 lines in the NE and SE quarters were computed at mean bearing. The N-S 1/16 lines of the NW and SW quarters begin on the north line at single proportion of 20 chains between the NW and NQ corners and terminate at 20 chains west of the SQ corner holding GLO distance of “west” derived from the North line of Section 32. The E-W 1/16 lines in the NW and SW quarters were computed at mean bearing. The meander corner on the West line was calculated by single proportionate measurement. The meander corner on the South line was computed at GLO distance west of the SQ corner holding GLO distance of “west” derived from the North line of Section 32.

SECTION 31

Two corners of this section were field recovered. The N-S Quarter line of this section was computed between the NQ and SQ corners. The E-W Quarter line was set at mean bearing of the north and south Section lines. All 1/16 lines in the NE and SE quarters were computed at mean bearing. The N-S 1/16 lines of the NW and SW quarters begin on the north line at 20 chains west of the SQ corner holding GLO distance of “west” derived from the North line of Section 32 and terminate on the south line at single proportion of 20 chains between the SW and SQ corners. The E-W 1/16 line in the NW quarter was computed at mean bearing. The meander corners on the East and West lines were calculated by single proportionate measurement. The meander corner on the north line was computed at GLO distance west of the SQ corner holding GLO distance of “west” derived from the North line of Section 32. Accretions along the right bank of the Missouri River for Government Lots 7, 8, 9 and 10 are part of Accretion Calculation #12 (proportionate shoreline).

SECTION 32

Three corners of this section were field recovered. This Section, although fractional at the time of the original survey, was broken using the federal method for standard sections since all corners were established or can be computed from the original survey. The meander corners on the North and West lines were calculated by single proportionate measurement. Accretions along the right bank of the Missouri River for Government Lots 1, 4, 5 and 6 are part of Accretion Calculation #12 (proportionate shoreline).

SECTION 33

Three corners of this section were recovered. This Section was not fractional at the time of the original survey; therefore, the section was broken using the federal method for standard sections.

TWP 153 N, R 098 W

G-9 Found original stone and accessory rebar

G-13 Found Original Stone and accessory Aluminum Capped Rebar LS-5999

H-11 Found 4” Corps of Engineers Capped monument

J-7 Found original stone and accessory rebar

K-5 Found aluminum capped rebar LS 2352

L-1 Found original stone and accessory rebar

L-2 Found original stone and accessory rebar

L-3 Found original stone and accessory 5/8” rebar

L-4 Found original stone and accessory 5/8” rebar

L-5 The NE corner was calculated at Double Proportion holding the EQ corner of Section 29, the NE corner of Section 35, the SE Standard Corner of Section 32 & the NQ of Section 32.

L-6 Calculated at Single proportion holding the calculated NE Section 32 (L-5) and the Calculated NE Corner of Section 33 (L-7)

L-7 The NE corner was calculated at Double Proportion holding the NE corner of Section 28, the NE corner of Section 35, the SE Standard Corner of Section 33 & the NQ of Section 32.

L-8 Calculated at Single proportion holding the calculated NE Section 33 (L-7) and the Calculated NE Corner of Section 34 (L-9)

L-9 Computed at a 3 point proportionate location holding; the NQ Corner of Section 32 (L-4), the calculated NE Corner of Section 35 (L-11) and GLO distance from the NE Corner of Section 22 (G-9).

L-10 Calculated at Single proportion holding the calculated NE Section 34 (L-9) and the Calculated NE Corner of Section 35 (L-11)

L-11 Computed at a 3 point proportionate location holding; the EQ Corner of Section 23 (H-11), the SE Corner of Section 35 (N-11) and GLO distance from the NQ Corner of Section 32 (L-4).

L-12 Calculated at GLO distance East from the calculated NE Corner of Section 35 (L-11) bearing based on calculated North line of Section 25 & South line of Section 36

L-13 Calculated at Single proportion holding the NE Corner of Section 24 (G-13) and the SE Corner of Section 36 (N-13).

M-1 Found original stone and accessory rebar

M-3 Not set in GLO Survey, not computed.

M-5 Not set in GLO Survey, not computed.

M-7 Calculated at Single proportion holding the calculated NE Section 33 (L-7) and the Calculated SE Corner of Section 33 (N-7).

M-9 Calculated at GLO distance south from the calculated NE Section 34 (L-9), bearings based on weighted mean of section lines East and West which matches the bearing to the calculated SE Section 34 (N-9) but used as a check only since no distance provided between the MC and SE Section 34(N-9).

M-11 Not set in GLO Survey, computed as mid-point for section breakdown purposes.

M-13 Not set in GLO Survey, not computed.

N-1 Found Rebar

N-2 Calculated at Single proportion and adjusted to the offset from the Chord, on the 13th Standard Parallel holding the SW Section 31 (N-1) and the SE Corner of Section 35 (N-11).

N-3 Calculated at Single proportion and adjusted to the offset from the Chord, on the 13th Standard Parallel holding the SW Section 31 (N-1) and the SE Corner of Section 35 (N-11).

N-4 Calculated at Single proportion and adjusted to the offset from the Chord, on the 13th Standard Parallel holding the SW Section 31 (N-1) and the SE Corner of Section 35 (N-11).

N-5 Calculated at Single proportion and adjusted to the offset from the Chord, on the 13th Standard Parallel holding the SW Section 31 (N-1) and the SE Corner of Section 35 (N-11).

N-6 Calculated at Single proportion and adjusted to the offset from the Chord, on the 13th Standard Parallel holding the SW Section 31 (N-1) and the SE Corner of Section 35 (N-11).

N-7 Calculated at Single proportion and adjusted to the offset from the Chord, on the 13th Standard Parallel holding the SW Section 31 (N-1) and the SE Corner of Section 35 (N-11).

N-8 Calculated at Single proportion and adjusted to the offset from the Chord, on the 13th Standard Parallel holding the SW Section 31 (N-1) and the SE Corner of Section 35 (N-11).

N-9 Calculated at Single proportion and adjusted to the offset from the Chord, on the 13th Standard Parallel holding the SW Section 31 (N-1) and the SE Corner of Section 35 (N-11).

N-10 Calculated at Single proportion and adjusted to the offset from the Chord, on the 13th Standard Parallel holding the SW Section 31 (N-1) and the SE Corner of Section 35 (N-11).

N-11 Found Original Stone and accessory Aluminum Capped Rebar LS-2352

N-12 Calculated at Single proportion and adjusted to the offset from the Chord, on the 13th Standard Parallel holding the SE Section 35 (N-11) and the SE Corner of Section 36 (N-13).

N-13 Found Aluminum Capped Rebar LS-2999

SECTION 25

The NE & SE corners were calculated using SP along the township lines holding the SE of Section 36, an Aluminum Cap, LS 2999 & the NE of Section 24, an original stone and cap LS5999, the NW corner was calculated using 3 pt calculation between the EQ of Section 23, a 4" Corps or Engineer Capped Monument, the calculated NE of Section 25 & the SE of Section 35, an Original Stone & Alum Cap LS 2352. No GLO distance to the west was run past the meander corner between sections 23 & 28 and the meander corner, nor was the NQ of Section 26, was recovered. The SW corer was calculated using 3 pt calculation between the EQ of Section 23, a 4" Corps or Engineer Capped Monument, the SE of Section 35, an Original Stone & Alum Cap LS 2352 & the NQ Corner of Section 32, an original stone and 5/8" Rebar. No GLO distance to the east was run past the meander corner between sections 25 & 36 and the meander corner, nor was the NQ of Section 36, was recovered. To establish the South line of Section 25, being designated "East" bearing, on the plat, was calculated at the same bearing at the calculated north line of Section 25, since this line was run at "West" bearing according to the plat. The SQ corner of Section 25 was calculated at GLO bearing & distance. Whereas the NQ & WQ corners were calculated using the single proportion method. The EQ corner cannot be fixed from the original survey, and the E-W quarter line was calculated holding the bearing of the section lines North and south, terminating at the meander line. The meander corner between Sections 25 & 36 was calculated at GLO bearing & distance. Meanders on the North, East and West lines of section 25 were calculated at single proportionate measurements. Accretions for Government Lots 2, 3 & 4 were calculated using proportionate shoreline method, holding the Wenck OHWM as the "shoreline".

SECTION 24

The NE corner held is an original stone and Cap LS 5999, the NQ corner recovered and held is also an original stone and Cap LS 5999. The NW corner held is database corner 6911, I have not much additional information on this location, however it coincides with the witness corner set to the west by LS 7540, within reason. The WQ corner recovered and held is a 4" COE capped monument. The SW corner was calculated using 3 pt calculation between the EQ of Section 23, a 4" Corps or Engineer Capped Monument, the calculated SE of Section 24 & the SE of Section 35, an Original Stone & Alum Cap LS 2352. The SQ Corner was calculated at single proportionate method. The SE Corner was calculated using SP along the township lines holding the SE of Section 36, an Aluminum Cap, LS 2999 & the NE of Section 24. All meander corners were calculated at single proportionate measurement, no additional information on meanders in the database or record.

SECTION 23

The NE corner held is database corner 6911, the NQ corner recovered is an aluminum capped rebar LS2352. Additionally, the NW corner was recovered being an original stone with an unmarked rebar and the EQ corner recovered and held is a 4" COE capped monument. The WQ corner was calculated at single proportionate measurement, while the SE corner of the section was also calculated at Single proportionate measurement between the said NW corner of section 23 & the calculated SE corner of Section 34. In this situation no distances East or West of the SW corner are provided, as the lines are not

considered run according to the notes and the GLO plat of this township. Therefore, the corner was calculated according to the processes followed by the GLO survey and his calculation of the SW corner of Section 23. The SE corner was calculated using 3 pt calculation between the EQ of Section 23, a 4" Corps or Engineer Capped Monument, the calculated SE of Section 24 & the SE of Section 35, an Original Stone & Alum Cap LS 2352. The South line, along with the meander corner common to sections 23 & 26 and the SQ corner of Section 23 were calculated holding the bearing "west" from the calculated SE corner of Section 23. The bearing west as established previously between the SW and SE of Section 24 was held. Additionally, the GLO distances were held in these calculations to reestablish the MC and the SQ corner of Section 23. All other meander corners in section 23 were calculated at single proportion. The field collected center of section was not held due to unknown processes used to complete the previous survey of the center of section. Within Section 23 there exists only one area of major accretion this takes place in Government Lot 4 along the west line of the section. Since the west line of the Section is considered "run" according to the original survey no accretion calculation was completed between Sections 22 & 23 as the Section line is considered "fixed".

Section 31

Township Standard corner being the SW corner of Section 31 was recovered as a rebar. The NW, NQ, NE & WQ corners recovered all as original stones with rebar. The SQ corner and SE corner were calculated at single proportionate measurement between the SW corner of Section 31 and the SW Corner of Section 36, since these corners are on the 13th Standard parallel they were adjusted to account for the latitude correction. The EQ corner was not established in the original survey and was not computed; therefore, the E-W quarter line was calculated using a weighted mean bearing holding the north line and computed south line of Section 31. The N-S quarter line was calculated using the standard method since both quarter corners were established according to the original survey. Meanders were computed at single proportion on the east and south lines of the Section. Accretions were computed for each lot using the proportionate shoreline method, holding the Wenck OHWM line as the new bank and the computed meander line as the ancient bank. Calculations for this accretion are part of Accretion Calculation #2.

Section 32

The NW & SW corner's information provided in the Section 31 narrative. The SQ corner and SE corner were calculated at single proportionate measurement between the SW corner of Section 31 and the SW Corner of Section 36, since these corners are on the 13th Standard parallel they were adjusted to account for the latitude correction. The NQ corner was recovered as an original stone with accessory rebar. The NE corner was calculated at Double Proportion holding the EQ corner of Section 29, the NE corner of Section 35, the SE Standard Corner of Section 32 & the aforesaid NQ of Section 32. The WQ and EQ corners of this section were not established in the original survey and therefore not computed. The N-S quarter line was calculated using the standard method since both quarter corners were established according to the original survey. Meanders were single proportioned on the west and east lines of the Section with the meander lines computed. In the original notes for the Meander of the left bank(north) of the Missouri River, the notes show an illegible chainage in the fourth call, typically this

can be checked using the total chainage however totaling the 4 other chainage calls and subtraction from this total provided does not match the chainage total needed to compute the meander line between the computed meander corners. In my opinion the record chainage for the fourth call is 25.00 chains. The meander line of the right bank was computed with no issues. Accretions in Government Lots 2, 3 & 4, on the left bank, were computed using the proportionate shoreline method, holding the Wenck OHWM line as the new bank and the computed meander line as the ancient bank. Calculations for this accretion are part of Accretion Calculation #2. Accretion in Government Lot 5 was computed using proportionate shoreline method, holding the Wenck OHWM line as the new bank and the computed meander line as the ancient bank. Calculations for this accretion are part of Accretion Calculation #1.

Section 33

The NW & SW corner's information provided in the Section 32 narrative. The SQ corner and SE corner were calculated at single proportionate measurement between the SW corner of Section 31 and the SW Corner of Section 36, since these corners are on the 13th Standard parallel they were adjusted to account for the latitude correction. The NE corner was calculated at Double Proportion holding the NE of Section 28, the NE of Section 35, the SE Standard Corner of Section 33 and the NQ corner of Section 32. NQ & EQ corners were calculated at single proportionate measurement. All 4 meander corners on the west, east and south lines were calculated at single proportionate measurement. Meander lines were computed and adjusted to said meander corners according to the original survey notes. Government Lots 1, 2, 3 & 4, according to the provided Wenck OHWM line were affected by erosion. Government Lots 5, 6 & 7 are subject to accretion on the right bank of the Missouri River according to the provided Wenck OHWM line. Calculations for this accretion are part of Accretion Calculation #1.

Section 34

No corners of this Section were field recovered. The E-W quarter line was set between the EQ corner and WQ corner. The N-S quarter line was computed at a mean bearing. All 1/16 lines were computed with mean bearings. The meander corner on the west line were calculated at single proportionate measurement. The meander corner on the East line was calculated in the same manner as the EQ corner, at GLO distance south from the calculated NE Section 34 (L-9), bearings based on weighted mean of section lines East and West which matches the bearing to the calculated SE Section 34 (N-9) but used as a check only since no distance provided between the MC and SE Section 34(N-9). Meander lines were computed and adjusted to said meander corners according to the original survey notes. Government Lots 1, 2, 3 & 4, according to the provided Wenck OHWM line were affected by erosion.

Section 35

One corner of this Section was field recovered. The E-W quarter line was set at from the WQ corner to the mid-point of the East line of the section, the EQ corner was not set in the original survey. The N-S quarter line was computed at a weighted mean bearing of the east and west lines from the NQ corner and terminated at the meander line. All 1/16 lines were computed with mean bearings. The meander

corners on the north, south and east lines were calculated at single proportionate measurement. The meander corner on the West line was calculated in the same manner as the WQ corner, at GLO distance south from the calculated NE Section 34 (L-9), bearings based on weighted mean of section lines East and West which matches the bearing to the calculated SE Section 34 (N-9) but used as a check only since no distance provided between the MC and SE Section 34(N-9). Meander lines were computed and adjusted to said meander corners according to the original survey notes. Government Lots 4 & 5, according to the provided Wenck OHWM line were affected by erosion. This section was affected by an avulsion, across an ox bow, at some point between the original survey and the aerial photography used by Wenck to determine the OHWM before the dam construction. According to a letter received by KLJ, from Jodi Smith, addressed to Lynn Helms, dated June 20, 2018 from the State of North Dakota, Office of the State Engineer and signed by Garland Erbele which references this avulsion in part 6.0. It is stated, according to the State Engineer's Office that; "it would appear that this change in the river channel was the result of an avulsive event. As such, the State would take title to the channel formed and would forfeit title to the channel abandoned, even though it is still situated below the OHWM. Therefore, the OHWM should cut across the meander where it meets the river, much as it would at the mouth of a tributary river." Since the State of North Dakota is not claiming any title to the abandoned oxbow area this are needs to be divided amongst riparian owners. Therefore, to dispose of the oxbow area in this section, calculations were made by creating a medial line, dividing the river, between the original meander lines of the right and left banks of the Missouri River and extending perpendicular lines from the medial line to the meander and property corners. This process can be found in section 8-154 and figure 8-40.

Section 36

Two corners of this Section were field recovered. The E-W quarter line was set at from the mid-point of the West line to the mid-point of the East line of the section, the WQ Corner nor was the EQ corner were set in the original survey. The N-S quarter line was computed between the NQ corner and SQ corner. All 1/16 lines were computed with mean bearings. The meander corners on the east and west lines were calculated at single proportionate measurement. The meander corners on the north line were calculated in the same manner as the NQ corner, at GLO distance east from the calculated NW Section 36 (L-11), bearings based on weighted mean bearing based on calculated North line of Section 25 & South line of Section 36. Meander lines were computed and adjusted to said meander corners according to the original survey notes. This section was affected by an avulsion, across an ox bow, at some point between the original survey and the aerial photography used by Wenck to determine the OHWM before the dam construction. According to a letter received by KLJ, from Jodi Smith, addressed to Lynn Helms, dated June 20, 2018 from the State of North Dakota, Office of the State Engineer and signed by Garland Erbele which references this avulsion in part 6.0. It is stated, according to the State Engineer's Office that; "it would appear that this change in the river channel was the result of an avulsive event. As such, the State would take title to the channel formed and would forfeit title to the channel abandoned, even though it is still situated below the OHWM. Therefore, the OHWM should cut across the meander where it meets the river, much as it would at the mouth of a tributary river." Since the State of North Dakota is not claiming any title to the abandoned oxbow area this are needs to be divided amongst riparian owners. Therefore, to dispose of the oxbow area in this section, calculations were made by creating a medial line, dividing the river, between the original meander lines of the right and left banks of the Missouri River and extending perpendicular lines from the medial line to the

meander and property corners. This process can be found in section 8-154 and figure 8-40. Government Lots 5 & 8 are subject to accretion on the right bank of the Missouri River according to the provided Wenck OHWM line. Calculations for this accretion are part of Accretion Calculation #12.

PLSS CORNERS:

A-1 Computed at a double proportionate location holding; the NE Corner of Section 25-154-101 being a recovered #5 Rebar; the SQ Corner of Section 33-154-100 Corps of Engineers post; the Witness Corner to the NE Corner of Section 12-153-101 a recovered original stone with accessory rebar; and the SQ Corner of Section 32-154-101 recovered as a 2 1/2" Brass Capped Monument.

A-2 Calculated at Single Proportion between the calculated NW corner of Section 6 (A-1) and the NQ corner Section 4 (A-6).

A-3 Calculated at Single Proportion between the calculated NW corner of Section 6 (A-1) and the NQ corner Section 4 (A-6).

A-4 Calculated at Single Proportion between the calculated NW corner of Section 6 (A-1) and the NQ corner Section 4 (A-6).

A-5 Calculated at Single Proportion between the calculated NW corner of Section 6 (A-1) and the NQ corner Section 4 (A-6).

A-6 Found USCOE T Post

A-7 Found Witness Corner to NE 4 Original Stone.

B-3 Calculated at GLO distance south from the NE Corner of Section 6 (A-3) holding a 12 minute deflection of the mean line of original stones found along the East line of Section 4.

B-5 Calculated at GLO distance south from the NE Corner of Section 5 (A-5) holding a 11 minute deflection of the mean line of original stones found along the East line of Section 4.

B-7 Found Original Stone and accessory Rebar

C-1 Corner location held 1 chain (66') north of the Original stone monumented Witness Corner, 50054

C-2 Calculated at Single Proportion between the calculated NW corner of Section 7 (C-1) and the calculated NE corner Section 7 (C-3).

C-3 Calculated at 2 point location holding GLO distance west from the NW Corner of Section 7 (C-3) and GLO distance South from the NE Corner of Section 18 (E-3).

C-7 Found Witness Corner to location held 0.5 chain proportion between the Original Stone North and the Original stone monumented Witness Corner.

D-1 Found Original Stone and accessory Rebar LS-2884.

D-3 Calculated at Single Proportion between the calculated NE corner of Section 7 (C-3) and the calculated NE corner Section 18 (E-3).

D-5 Calculated at GLO distance North from the calculated NE Corner of Section 17 (E-5), bearing based on the mean bearing of section lines to the East and West.

D-7 Found #4 Rebar.

E-1 Found Aluminum Capped Rebar LS-2552

E-2 Found Aluminum Capped USCOE Monument

E-3 Calculated at 2 point location holding GLO distance west from the NQ Corner of Section 18 (E-2) and GLO distance South from the NE Corner of Section 19 (G-3).

E-4 Calculated at GLO distance East from the calculated NE Corner of Section 18 (E-3), bearing based on the mean bearing of the south Township line.

E-5 Calculated at GLO distance East from the calculated NE Corner of Section 18 (E-3), bearing based on the mean bearing of the south Township line.

E-7 Found Rebar.

F-1 Found Original Stone and accessory rebar.

F-3 Calculated at Single proportion between the calculated NE Section 18 (E-3) and calculated NE Corner of Section 19 (G-3).

F-7 Found Rebar.

G-1 Found Aluminum Capped Rebar LS-2352

G-2 Found Aluminum Capped Rebar LS-2352.

G-3 Calculated at GLO distance East from the NQ Corner of Section 19 (G-2), bearing based on the bearing of the NW Corner of Section 19 (G-1) to the NQ Corner of Section 19 (G-2).

G-5 Calculated at 2 point location holding GLO distance west from the NE Corner of Section 21 (G-7) and GLO distance North from the NE Corner of Section 29 (J-5).

G-6 Calculated at Single Proportion between the calculated NE corner of Section 20 (G-5) and the NE corner Section 21 (G-7).

G-7 Found Original stone with accessory Rebar.

H-1 Found Aluminum Capped Monument, LS-2352.

H-5 Calculated at Single proportion between the calculated NE Section 20 (G-5) and calculated NE Corner of Section 29 (J-5).

J-1 Found Original stone with accessory Rebar.

J-2 Found Original stone with accessory Rebar.

J-4 Calculated at GLO distance West from the calculated NE Corner of Section 29 (J-5), bearing based on the mean bearing of the south Township line.

J-5 Calculated at GLO distance West from the NQ Corner of Section 27 (J-8), bearing based on the mean bearing of the south Township line.

J-6 Calculated at GLO distance West from the NQ Corner of Section 27 (J-8), bearing based on the mean bearing of the south Township line.

J-7 Found Original Stone set and marked as described about 175' north and 30' east of GLO plat location. The stone monument was properly marked and oriented and there is no proof the corner had been moved by way of local testimony. There is evidence of the location of the stone being where it currently is now in the 1943 aerial photos. Therefore, although not matching the other GLO stones in the area, this corner was accepted at its found location. However, any error in measurement, according to the original GLO notes and plat were place in the adjacent half miles. No calculations to re-establish other corners was completed using the found location to protect the integrity/geometry of the original GLO plat.

J-8 Found Original Stone and accessory rebar.

J-9 Found Original Stone and accessory rebar.

K-1 Found Aluminum Capped Monument LS-7152.

K-5 Calculated at GLO distance south from the NE Corner of Section 29 (J-5), bearing based on the calculated east line of Section 20.

K-7 Calculated at GLO distance south from the NE Corner of Section 21 (G-7), bearing based on the mean line monuments north except the stone found at J-7. Location checks with topo calls north and fits within reason of the unadjusted meander lines East and west for the MC to the south.

K-9 Found Rebar & Cap LS-2352.

L-1 Found Original Stone and accessory rebar with cap LS-3592.

L-2 Found Aluminum capped rebar LS-7152.

L-3 Found Aluminum capped rebar LS-2884.

L-7 Calculated at GLO distance north from the calculated SE Corner of Section 33 (N-7), bearing based on the mean line monuments north except the stone found at J-7.

L-8 Rebar and Aluminum Cap.

L-9 Found Original Stone and accessory rebar.

L-10 Found Original Stone and accessory rebar.

L-11 Found Rebar.

M-3 Found Original Stone and accessory rebar.

M-5 Calculated at GLO distance north from the calculated SE Corner of Section 32 (N-5), bearing based on the mean of section lines East and West.

M-7 Calculated at GLO distance north from the calculated SE Corner of Section 33 (N-7), bearing based on the mean line monuments north except the stone found at J-7.

M-9 Found US Corps of Engineers Aluminum Cap.

M-11 Found Original Stone and accessory Aluminum Capped Rebar.

N-2 Found Aluminum Capped Rebar LS-2884.

N-3 Found Aluminum Capped Rebar LS-2352.

N-4 Found US Corps of Engineers Brass Capped monument.

N-5 Calculated at single proportion, and adjusted for latitude correction using the secant method, between the SQ Corner of Section 32 (N-4) and the SE Corner of Section 35 (N-11).

N-6 Calculated at single proportion, and adjusted for latitude correction using the secant method, between the SQ Corner of Section 32 (N-4) and the SE Corner of Section 35 (N-11).

N-7 Calculated at single proportion, and adjusted for latitude correction using the secant method, between the SQ Corner of Section 32 (N-4) and the SE Corner of Section 35 (N-11).

N-8 Calculated at single proportion, and adjusted for latitude correction using the secant method, between the SQ Corner of Section 32 (N-4) and the SE Corner of Section 35 (N-11).

N-9 Calculated at single proportion, and adjusted for latitude correction using the secant method, between the SQ Corner of Section 32 (N-4) and the SE Corner of Section 35 (N-11).

N-10 Calculated at single proportion, and adjusted for latitude correction using the secant method, between the SQ Corner of Section 32 (N-4) and the SE Corner of Section 35 (N-11).

N-11 Found original stone and accessory rebar.

SECTION 4

Four corners of this section were field recovered, and the remaining were calculated as described above. The E-W 1/4 line was set between the EQ and WQ corners. The N-S Quarter line was computed at weighted mean bearing south of the sections lines from the NQ corner. The meander corner on the west line was calculated at GLO distance south from the NE Corner of Section 5 (A-5) holding a 11 minute deflection of the mean line of original stones found along the East line of Section 4. The meander corner on the south line was calculated at GLO distance West from the NE corner of Section 9, bearing based on the mean of the south township line bearing west. The N-S 1/16 lines of the NW, SW & NE quarters were calculated by mean bearing. The N-S 1/16 line of the SE quarter was calculated 1320’ from the SE corner of the section on the south line to the center E1/16 corner. The E-W 1/16 lines of the NE & NW quarters were computed according to GLO proportions for Government Lots on the N township line. The E-W 1/16 line of the SE quarter was computed at mean bearing of the 1/4 line and south line of the

section. The meander of the left bank of the Missouri River was computed, adjusted and matched very close to the record. Accretions for this section, in Government Lots 5, 6 & 7, cross into adjacent sections and are part of Accretion Calculation #15(proportionate shoreline).

SECTION 5

No corners of this section were field recovered. The E-W 1/4 line was set between the EQ and WQ corners. The N-S Quarter line was computed at weighted mean bearing south of the sections lines from the NQ corner. The meander corner on the east line was calculated at GLO distance south from the NE Corner of Section 5 (A-5) holding a 11 minute deflection of the mean line of original stones found along the East line of Section 4. The meander corner on the west line was calculated at GLO distance south from the NE Corner of Section 6 (A-3) holding a 12 minute deflection of the mean line of original stones found along the East line of Section 4. All 1/16 lines were calculated by mean bearing. The meander line of the left bank of the Missouri River was computed and adjusted the record. Accretions for this section, in Government Lots 5, 6, 7 & 8, are part of Accretion Calculation #15(proportionate shoreline).

SECTION 6

One corner of this section was field recovered, and the remaining were calculated as described above. The E-W 1/4 line was set in the area north of the river from EQ parallel with the mean north line of the section west to the N-S quarter line. The N-S Quarter line was computed from the SQ corner to the NQ corner and terminated on each bank of the river. The meander corner on the east line was calculated at GLO distance south from the NE Corner of Section 6 (A-3) holding a 12 minute deflection of the mean line of original stones found along the East line of Section 4. The meander corners on the north and west lines were calculated at single proportion. The 1/16 lines of the NE quarter were calculated by mean bearing (mid-point to mid-point). The N-S 1/16 line of the SE quarter was calculated at mean bearing of the East section line and N-S quarter line. The E-W 1/16 line of the NW quarter was set from the calculated N1/16 corner of Sections 1 & 6 to the Center N1/16 corner of section 6 and terminated at the Missouri River. The E-W 1/16 lines of the SW quarters was computed parallel with the south section line since no distance was returned on the length of the East section line. The meander lines of the left and right banks of the Missouri River were computed and adjusted to the record. Accretions for this section, in Government Lots 5, 6 & 7, are part of Accretion Calculation #15(proportionate shoreline). Accretions for Government Lot 11 are calculated in Accretion Calculation #17(proportionate shoreline). Government Lots 3, 4, 5, 8, 9, 10 & 11 are subject to erosion according to the Wenck OHWM.

SECTION 7

Four corners of this section were recovered. This Section was not traversed by the Missouri River at the time of the original survey; therefore, the section was broken using the federal method for sections on the western tier of Townships.

SECTION 8

No corners of this section were field recovered. The E-W 1/4 line was computed between the WQ corner and EQ corners. The N-S Quarter line was computed from the SQ corner weight mean bearing north and terminated on right bank of the river. The meander corner on the east line was calculated at GLO distance north from the NE Corner of Section 17 (E-5) holding the mean bearings of section line east and west. The 1/16 lines of the section were computed at mean bearing. The meander line of the right bank of the Missouri River was computed and adjusted to the record. Most of this section is subject to erosion according to the Wenck OHWM.

SECTION 9

Three corners of this section were field recovered. The E-W 1/4 line was computed between the WQ corner and EQ corners. The N-S Quarter line was not computed or established. The meander corner on the west line was calculated at GLO distance north from the NE Corner of Section 17 (E-5) holding the mean bearings of section line east and west. The meander corner on the south line was calculated at GLO distance West from the NE corner of Section 9, bearing based on the mean of the south township line bearing west. The E-W 1/16 lines in NE4, SE4 & SW4 were computed at mean bearing west. The N-S 1/16 of the west half of the section was set parallel with the west line of the section. The N-S 1/16 line in the SE quarter was computed 1320’ from the SE corner bearing set parallel with the east section line were computed at mean bearing. The meander lines of the left and right banks of the Missouri River were computed and adjusted to the record. Accretions for this section, in Government Lots 5 & 6, are part of Accretion Calculation #15(proportionate shoreline). Accretions for Government Lots 3 & 4 are calculated in Accretion Calculation #16(proportionate shoreline). Much of the remainder of the west half of the section and parts of Government Lots 6, 7 & 8 are subject to erosion according to the Wenck OHWM.

SECTION 16

Three corners of this section were field recovered. The E-W 1/4 line was computed from the EQ corner weighted mean bearing west. The N-S Quarter line was computed from the SQ Corner weighted mean bearing north. The northerly meander corner on the west line was calculated at GLO distance south from the NE Corner of Section 17 (E-5) holding the mean bearings of section line east and west. The southerly meander corner on the west line was calculated at GLO distance north from the NE corner of Section 20, bearing based on the extension of the east line of section 20. The easterly meander corner on the north line was computed at GLO distance west from the NE corner of Section 16, basis of bearing is the mean of the south township bearing west. The westerly meander corner on the north line was computed at GLO distance east from the NE corner of Section 17, basis of bearing is the mean of the south township bearing west. The N-S 1/16 line in NE4 was computed from the Center E1/16 corner north to the north line of the section 1320’ distance of the NE Corner of Section 16. at mean bearing west. The meander lines of the left and right banks of the Missouri River were computed and adjusted to the record. Accretions for this section, in Government Lot 1, are part of Accretion Calculation

#16(proportionate shoreline). Government Lots 2, 3 & 4, SW4 of the NE4, the NE4 of SW4 and the SW4 of SW4, are subject to erosion according to the Wenck OHWM.

SECTION 17

No corners of this section were field recovered. The E-W 1/4 line was computed from the WQ corner mean bearing to the right bank of the Missouri River. The N-S 1/4 line was computed from the NQ Corner weighted mean bearing south, to the right bank of the Missouri River. The northerly meander corner on the east line was calculated at GLO distance south from the NE Corner of Section 17 (E-5) holding the mean bearings of section line east and west. The southerly meander corner on the east line was calculated at GLO distance north from the NE corner of Section 20, bearing based on the extension of the east line of section 20. The easterly meander corner on the south line was computed at GLO distance west from the NE corner of Section 20, basis of bearing is the mean of the south township bearing west. The westerly meander corner on the south line was computed at GLO distance east from the NE corner of Section 19, basis of bearing is the mean of the south township bearing west. The E-W 1/16 line in NE4 was computed from the Center N1/16 corner north to the east line of the section 1320' distance of the NE Corner of Section 17. Remaining 1/16 lines were computed mean bearing. The meander lines of the left and right banks of the Missouri River were computed and adjusted to the record. Accretions for this section, in Government Lots 1, 2 & 3, are part of Accretion Calculation #16(proportionate shoreline). Government Lots 3 & 4, are subject to erosion according to the Wenck OHWM.

SECTION 19

Six corners of this section were field recovered. The E-W 1/4 line was computed weighted mean bearing to the right bank of the Missouri River. The N-S 1/4 line was computed from the NQ Corner to the SQ Corner. The meander corner on the east line was calculated at GLO distance south from the NE Corner of Section 19 holding the calculated bearing of the East line of Section 18. The meander corner on the south line was calculated at GLO distance east from the NQ corner of Section 30, bearing based on the extension of the bearing from the NW Corner of Section 30 to the NQ Corner of Section 30. The E-W 1/16 line in NE4 was computed from the Center N1/16 corner north to the east line of the section 1320' distance of the NE Corner of Section 17. Remaining 1/16 lines were computed mean bearing. The meander line of the right bank of the Missouri River was computed and adjusted to the record. Accretions for this section, are very minimal and attributed to lots by property line extension. Government Lots 3 & 4, are subject to erosion according to the Wenck OHWM.

SECTION 20

No corners of this section were field recovered. The E-W 1/4 line was computed from the EQ corner mean bearing, and terminated at the left bank of the Missouri River. The N-S 1/4 line was computed from the SQ Corner parallel with the east section line and terminated at the left bank of the Missouri River. The meander corner on the west line was calculated at GLO distance south from the NE Corner of

Section 19 holding the calculated bearing of the East line of Section 18. The meander corner on the south line was calculated at GLO distance west from the NQ corner of Section 29, bearing based on the extension of the bearing on the mean township line bearing west in the original survey. The easterly meander corner on the north line was computed at GLO distance west from the NE corner of Section 20, basis of bearing is the mean of the south township bearing west. The westerly meander corner on the north line was computed at GLO distance east from the NE corner of Section 19, basis of bearing is the mean of the south township bearing west. 1/16 lines were computed mean bearing. The meander lines of the left and right banks of the Missouri River were computed and adjusted to the record. Government Lots 1, 2, 3, 4 & 5 are subject to erosion according to the Wenck OHWM.

SECTION 27

Six corners of this section were field recovered. The E-W 1/4 line was computed from the EQ corner to the WQ corner. The N-S 1/4 line was computed from the SQ Corner to the NQ corner. The northerly meander corner on the west line was calculated at GLO distance south from the NE Corner of Section 21 holding the calculated mean bearing of monuments north, since a significant discrepancy between the record measurements and the location of the NW corner of this section, the corner was not used in the calculation. Then southerly meander corner on the west line was computed at GLO distance north from the NE corner of Section 33 bearing based on the east line of Section 33. The easterly meander corner on the south line was calculated at GLO distance west from the NQ corner of Section 34, bearing based on the extension of the bearing from the NE corner of Section 34 to the NQ corner of Section 34. The westerly meander corner on the south line was computed east from the NE corner of Section 33, bearing based on the mean township line. 1/16 lines were computed mean bearing. The meander lines of the left and right banks of the Missouri River were computed and adjusted to the record. Accretions for Government Lots 1 & 2 are part of Accretion Calculation #14(proportionate shoreline).

SECTION 28

One corner of this section was field recovered. The E-W 1/4 line was computed from the EQ corner to the WQ corner. The N-S 1/4 line was computed from the NQ Corner south mean bearing of the calculated East and West lines of the Section. The northerly meander corner on the east line was calculated at GLO distance south from the NE Corner of Section 21 holding the calculated mean bearing of monuments north, since a significant discrepancy between the record measurements and the location of the NW corner of this section, the corner was not used in the calculation. Then southerly meander corner on the east line was computed at GLO distance north from the NE corner of Section 33 bearing based on the east line of Section 33. The meander corner on the south line was calculated at GLO distance west from the NE corner of Section 33, bearing based on the mean township line. Then meander corner on the west line was calculated at GLO distance south from the NE corner of Section 29, bearing calculated from west line of Section 21. 1/16 lines were computed mean bearing except for the north line of Government Lot 1 which was set GLO distance south of the E-W quarter line and parallel with the E-W quarter line. The meander line of the left and right banks of the Missouri River were computed and adjusted to the record. Accretions for Government Lots 1, 2, 3 & 4 are part of Accretion Calculation #14(proportionate shoreline).

SECTION 29

One corner of this section was field recovered. The E-W 1/4 line was computed from the EQ corner to the left bank of the Missouri River, parallel with the north line of the Section. The N-S 1/4 line was computed from the NQ Corner south to the left bank of the Missouri River parallel with the East line of the Section. The meander corner on the south line was calculated at GLO distance west from the NE corner of Section 31, bearing based on the mean township line. Then meander corner on the east line was calculated at GLO distance south from the NE corner of Section 29, bearing calculated from west line of Section 21. The meander corner on the west line computed GLO distance north from the NE corner of Section 31, bearing based on mean of the east line of Section 31. The meander corner on the north line was computed GLO distance from the NE corner of Section 29 basis of bearing was the mean south township line. 1/16 lines were computed parallel with the north and east lines of the section respectively. The meander line of the left and right banks of the Missouri River were computed and adjusted to the record. Accretions for Government Lots 4, 5 & 6 are part of Accretion Calculation #14(proportionate shoreline). Accretions for Government Lots 2, 3 & 4 are calculated in Accretion Calculation #36. Government Lots 1, 4 & 7 subject to erosion according to the provided Wenck OHWM.

SECTION 30

Six corners of this section were field recovered. The E-W 1/4 line was computed from the WQ corner to the right bank of the Missouri River, weighted mean bearing. The N-S 1/4 line was computed from the NQ Corner to the SQ corner. The meander corner on the east line computed GLO distance north from the NE corner of Section 31, bearing based on mean of the east line of Section 31. The meander corner on the north line was calculated at GLO distance east from the NQ corner of Section 30, bearing based on the extension of the bearing from the NW Corner of Section 30 to the NQ Corner of Section 30. 1/16 lines were computed at mean bearing, except for the N-S line of the SE4 which was calculated from the E1/16 corner of Sections 30 & 31, parallel with the N-S quarter line. The meander line of the right bank of the Missouri River was computed and adjusted to the record. Government Lots 5, 6, 7 & 8 subject to erosion according to the provided Wenck OHWM.

SECTION 32

Four corners of this section were field recovered. The E-W 1/4 line was computed from the WQ corner to the EQ corner. The N-S 1/4 line was computed from the SQ Corner to the right bank of the Missouri River weighted mean bearing. The meander corner on the east line was computed GLO distance north from the EQ corner of Section 32, bearing based on mean of the east line of Section 31 and the east line of Section 33. The meander corner on the north line was calculated at GLO distance east from the NE corner of Section 31, bearing based on the mean of the south township line. 1/16 lines were computed at mean bearing, except for the E-W line of the NW4 which was calculated from the N1/16 corner of Sections 31 & 32, set parallel with the E-W quarter line. The meander line of the right bank of the Missouri River was computed and adjusted to the record. Government Lots 1, 2, 3 & 4 subject to erosion according to the provided Wenck OHWM.

SECTION 33

Four corners of this section were field recovered. The E-W 1/4 line was computed from the WQ corner to the EQ corner. The N-S 1/4 line was computed from the SQ Corner to the right bank of the Missouri River weighted mean bearing. The meander corner on the west line was computed GLO distance north from the EQ corner of Section 32, bearing based on mean of the east line of Section 31 and the east line of Section 33. The meander corner on the north line was calculated at GLO distance west from the NE corner of Section 33, bearing based on the mean of the south township line. 1/16 lines, in the south half were computed at mean bearing. The E-W 1/16 line of the NW4 was set 1320' North of the WQ corner and 1320' north of the computed center of Section. The E-W 1/16 line of the NE4 was set 1320' North of the EQ corner and 1320' north of the computed center of Section. The N-S 1/16 line of the NE4 was set 1320' East of the NE corner and extended south to the Center E1/16 corner of the Section. The meander line of the right bank of the Missouri River was computed and adjusted to the record. Government Lots 1, 2 & 3, the S2 of the NW4, the S2 of the NE4 and the NE4 of the SE4 are subject to erosion according to the provided Wenck OHWM.

SECTION 34

Three corners of this section were field recovered. The E-W 1/4 line was computed from the WQ corner to the EQ corner. The N-S 1/4 line was computed from the SQ Corner to the E-W quarter line using the NQ corner. The meander corner on the east line was computed GLO distance south from the EQ corner of Section 34, bearing based on the extension of from the NE corner of Section 34 through the EQ corner of Section 34. The westerly meander corner on the north line was calculated at GLO distance east from the NE corner of Section 33, bearing based on the mean of the south township line. The easterly meander corner on the north line was calculated at GLO distance west from the NQ corner of Section 34, bearing based on the extension of the bearing from the NE corner of Section 34 through the NQ corner of Section 34. The meander corner on the south line was calculated at single proportion. 1/16 lines were computed at mean bearing. The meander lines of the left and right banks of the Missouri River was computed and adjusted to the record. Accretions for Government Lot 5 are calculated in Accretion Calculation #14(proportionate shoreline) Government Lots 1, 2, 3, 4, 5, 6 & 7, the SW4 of the NW4 and the NW4 of the SW4 are subject to erosion according to the provided Wenck OHWM.

SECTION 35

Six corners of this section were field recovered. The E-W 1/4 line was computed from the WQ corner to the EQ corner. The N-S 1/4 line was computed from the SQ Corner to the NQ corner. The meander corner on the west line was computed GLO distance south from the EQ corner of Section 34, bearing based on the extension of from the NE corner of Section 34 through the EQ corner of Section 34. The meander corner on the south line was calculated at single proportion. 1/16 lines were computed at mean bearing. The meander lines of the left bank of the Missouri River was computed and adjusted to the record. Government Lots 1, 2, & 3 are subject to erosion according to the provided Wenck OHWM.

TWP 153 N, R 101 W

PLSS CORNERS:

A-1 Found Original Stone & Aluminum Capped Rebar LS6261, 50018

A-2 Found a #4 Rebar, 60028

A-3 Calculated at Single proportion and adjusted to the offset from the Chord holding the NQ Section 6 (A-2) and the NQ Corner of Section 5 (A-4)

A-4 Found a 2 1/2" BLM Brass Cap, 60054

A-5 Calculated at Single proportion and adjusted to the offset from the Chord holding the NQ Section 5 (A-2) and the Calculated NE Corner of Section 1 (A-13)

A-6 Calculated at Single proportion and adjusted to the offset from the Chord holding the NQ Section 5 (A-2) and the Calculated NE Corner of Section 1 (A-13)

A-7 Calculated at Single proportion and adjusted to the offset from the Chord holding the NQ Section 5 (A-2) and the Calculated NE Corner of Section 1 (A-13)

A-8 Calculated at Single proportion and adjusted to the offset from the Chord holding the NQ Section 5 (A-2) and the Calculated NE Corner of Section 1 (A-13)

A-9 Calculated at Single proportion and adjusted to the offset from the Chord holding the NQ Section 5 (A-2) and the Calculated NE Corner of Section 1 (A-13)

A-10 Calculated at Single proportion and adjusted to the offset from the Chord holding the NQ Section 5 (A-2) and the Calculated NE Corner of Section 1 (A-13)

A-11 Calculated at Single proportion and adjusted to the offset from the Chord holding the NQ Section 5 (A-2) and the Calculated NE Corner of Section 1 (A-13)

A-12 Calculated at Single proportion and adjusted to the offset from the Chord holding the NQ Section 5 (A-2) and the Calculated NE Corner of Section 1 (A-13)

A-13 Computed at a double proportionate location holding; the NE Corner of Section 25-154-101 being a recovered #5 Rebar; the SQ Corner of Section 33-154-100 Corps of Engineers post; the Witness Corner to the NE Corner of Section 12-153-101 a recovered original stone with accessory rebar; and the SQ Corner of Section 32-154-101 recovered as a 2 1/2" Brass Capped Monument.

B-1 Found a 1" Square Iron Rod, 50019

B-3 Found a 2.5" Aluminum Capped Rebar, LS 7538, 120' south being recorded as at Witness Corner

B-5 Found a 2.5" Aluminum Capped Rebar, LS 7538, 200014

B-7 Found a 2.5" Brass Capped Monuments, 60071

B-9 Calculated at GLO Bearing and Distance from the NE Corner Section 10 (C-9) Bearing derived from corners E-9 (Original Stone and Rebar found at the NE corner of Section 15) to C-9.

B-11 Calculated at Single Proportion between the Witness Corner for the NE of Section 11 (C-11) and the calculated NE Section 2 (A-11)

TWP 153 N, R 101 W

C-1 Holding previously Calculated corner position from US Hwy. 85 job, 20010

C-2 Found 2.5” Aluminum Capped Rebar LS 7538, 60061

C-3 Found 2” Aluminum Capped Rebar LS 4654, 60060

C-4 Found 2” Aluminum Capped Rebar LS3592, 60065

C-5 Found 5/8” Rebar, 60067

C-6 Found #4 Rebar, 60068

C-7 Found 1.5” Iron Pipe, 60069

C-8 Found 1” Iron Pipe, 60070

C-9 Calculated at 3 point lost position, holding GLO distance from E-9 (Original Stone and Rebar found at the NE corner of Section 15), proportionate measurement East to the NE Section 11, a calculated corner location from Original Stone Witness (C-11) and West to the NQ Corner Section 10 (C-8)

C-10 Calculated at lost single proportion holding the NE Section 10 (C-9) & NE Section 11 (C-11)

C-11 Corner location held 5 chains (330’) north of the Original stone monumented Witness Corner. 2397

C-12 Holding GLO on line 19.8' East of Original Stone Witness Corner since the line was run east random then true West. 50048

C-13 Corner location held 1 chain (66’) north of the Original stone monumented Witness Corner, 50054

D-1 Calculated at Single proportion between the NW Section 7 (C-1) and WQ Corner of Section 18 (F-1)

D-3 Found 2” Aluminum Capped Rebar LS3592, 60062

E-1 Calculated at Single proportion between the NW Section 7 (C-1) and WQ Corner of Section 18 (F-1)

E-2 Not set in GLO Survey, not computed.

E-3 Found 2.5” Iron Pipe with Brass Cap, 9689

E-4 Found 1.5” Iron Pipe with Brass Cap, 9692

E-5 Found 1.5” Iron Pipe with Brass Cap, 3665

F-1 Found Brass Capped Monument, 50012

F-3 Calculated at Single proportion between the NE Section 18 (E-3) and Computed NE Corner of Section 19 (G-3)

F-5 Found 1.5” Iron Pipe with Brass Cap, 3667

G-1 Found Rebar, 12362

G-2 Not set in GLO Survey, not computed.

G-3 Calculated from Witness Corners North, South and East.

G-4 Found 1.5” Iron Pipe, 3673

G-5 Found Original stone with accessory Aluminum Capped Rebar LS3592, 50042

H-1 Found Brass Capped Monument, 12361

H-3 Calculated at Single proportion between the computed NE Section 19 (G-3) and NE Corner of Section 30 (J-3)

H-5 Found Iron Pipe, 9694

J-1 Found Brass Capped Monument, 12360

J-2 Not set in GLO Survey, not computed.

J-3 Found Original stone with accessory Aluminum Capped Rebar LS1130, 12358

J-4 Found Original stone with accessory Aluminum Capped Rebar LS3214, 50040

J-5 Found Original stone with accessory Aluminum Capped Rebar, 1961

K-1 Not set in GLO Survey, not computed.

K-3 Found Aluminum Capped Monument, 12357

L-1 Found Original Stone and accessory rebar, 12355

L-2 Found Original Stone and accessory aluminum capped rebar LS2884,12353

L-3 Found Original Stone and 2 accessory rebars, 12356

SECTION 1

The breakdown of this section is rather complex when considering the East township line, as the east line, although was not “run” because of the river a distance is returned to the section corner, from the Witness corner to the SE corner set by Marshall, 1892 his chainage was 81 chains to the WC which was field recovered. Additionally, the Meander corner on the right bank of the Missouri river was set 37 chains from the Section corner, or 38 chains from the WC. Also, Marshall subdivided township 153-100 later in 1892 his chainages match the previous record. The witness was used in the double proportion calculation for the Twp corner common to TWPs 154-100, 153-100, 153-101 & 154-101 using the original 81 chains from the WC. In 1900 George K. Dike, for reasons not shown in the notes, resurveyed the township line from the Southeast corner of Township 153-101 to the meander corner common to Section 6-153-100 & Section 1-153-100, he returned a chainage of 79.92 to the Township corner and 36.94 to the meander corner. Now here is where the record differs from the original. One must consider since the Section 1-153-101 is fractional, for two reasons; its on the northern tier and the Missouri River traversed it. Going back to patent “the southwest quarter of the northeast quarter and Lots one and four of Section one in Township one hundred fifty-three north of Range one hundred one west of the Fifth Principal Meridian, North Dakota, containing ninety-three and forty-eight-hundredths acres” was granted to Charley E. Merriman “according to the Official Plat of Survey of the said Land returned to the GENERAL LAND OFFICE by the Surveyor General.” Therefore, when considering the subdivision of

Section 1-153-101 we must consider that the official record for the distance on East line of the Section differs from the previous record. However, we must hold the information used in the official record for the Section, while respecting the patents within the entire Section. Therefor simply holding a "mid-point" for the East Quarter corner of Section 1, is not applicable for two reasons: the official record does not return a distance to the East Quarter Corner, neither as part of Marshall's surveys nor on Dike's survey. It is thereby appropriate to calculate the E-W quarter line parallel with the south line of the section, for two reasons: no information exists that Dike retracted the North township line long section 1 and this closely represents the official plat. Additionally, the south boundary of Lots 1-3 is held at the same bearing because the acreage of government lot 2 exceeds that of Government Lot 3 by over an acre to hold mean courses in this instance would not hold the original survey and the patents.

SECTION 2

All corners of this section were calculated either from witness corners or lost positions. Only a small portion or the original survey was affected by the river therefore this section was broken as a typical section. The meander corner between sections 2 & 3 was computed at GLO distance holding the bearing between the WQ corner and the SW Corner of Section 2. The meander corner on the North Township between Sections 2 & 35-154-101 was set in 1892 by Thomas F. Marshall 37 chains from the Quarter Corner common to Sections 35 & 2 during the original survey of the township line. In 1900 George K. Dike completed a resurvey of the North line before subdividing Township 153-101 and found the point 37 chains form the Quarter Corner common to Sections 35 & 2now falls in the Missouri River and therefore established a new meander corner 20 chains from the Quarter Corner common to Sections 35 & 2. This throws quite a turn in the meander line at the Township line. The calculated meander line within Section 2 matches the record very closely.

SECTION 3

Three corners of this section were recovered in the field and the remaining we calculated as described above. The East and West lines were only extended to the Meander Corners on the Right Bank of the Missouri River. Therefore, the meander corner between sections 2 & 3 was computed at GLO distance holding the bearing between the EQ corner and the SE Corner of Section 3. The meander corner between sections 3 & 4 was computed at GLO distance holding the bearing between the WQ corner and the SQ Corner of Section 3. Since the section is fractional on its north, the N-S quarter line and N-S 16th lines were computed at weighted mean bearings per Chapter 3, Parts 120-122 of the 2009 BLM Manual. Accretions cross into adjacent sections and are part of Accretion Calculation #5(proportionate shoreline).

SECTION 4

Five corners of this section were field recovered, and the remaining were calculated as described above. The description for the east line of this section can be found in the Section 3 narrative, also above. The meander corner on the north line common to Section 3 and Section 33-154-101 was calculated by single

proportionate measurement along the township boundary. Subdivision of the section was completed by connecting the EQ & WQ corners for the E-W quarter line, the N-S quarter line, however was calculated using a weighted mean bearing since the north line was not “fixed” when the section was patented. Additionally, the N-S 1/16 lines of the NW & NE quarters were calculated by weighted mean bearing. Lastly, the E-W 1/16 line of the NW quarter was set parallel with and at single proportion from the E-W quarter line. The meander lines were computed and matched very close to the record. Accretions for this section, cross into adjacent sections and are part of Accretion Calculation #5(proportionate shoreline).

SECTION 5

Five corners of this section were recovered all others were computed. Only a small part of Section 5 was affected at the original survey by the Missouri river. Therefore, the breakdown of this section is standard for sections in the Northern tier of townships except for the western terminus of the E-W 1/16 line of the N1/2 was computed at a location 1320 (20ch.) north of the WQ corner since the west line was terminated at the right bank of the Missouri river. The meander corner along this line was also computed at GLO distance North of the WQ corner using the bearing between the field recovered WQ corner and SW corners of the section. The meander corner on the north line common to Section 3 and Section 33-154-101 was calculated by single proportionate measurement along the township boundary. Only one call connects the two meanders in which the measured distance matches the record within reason. Accretion are for Government Lot 5 of this section, cross into an adjacent section and is part of Accretion Calculation #5(proportionate shoreline).

SECTION 6

Six corners of this section were field recovered. Subdivision of the section was completed as follows: The E-W quarter line set between the EQ & WQ corners. The N-S quarter line set between the NQ & SQ corners. Sixteenth lines computed by mean courses between their respective section or 1/4 lines. All lines terminated at the calculated meander lines for the Left and Right Bank of the Missouri River. Information for the Meander corner on the East line can be found in the Section 5 narrative. The meander corner on the north line was calculated by single proportionate measurement along the township boundary. The meander corners on the South line were calculated by single proportionate measurement between the SW and SQ corners. Accretions along the right bank for Government Lots 6, 7 and 10 are part of Accretion Calculation #5(proportionate shoreline).

SECTION 7

Four corners of this section were field recovered. The SQ corner was not established as part of the original survey although the line was run, since the Missouri river divides the section. The E-W quarter line was set between the EQ & WQ corners and terminated at the left and right bank of the Missouri River. Additionally, E-W 1/16 lines were computed at mean courses and terminated at the left and right bank of the Missouri River. The N-S 1/16 lines of the NE and SE Quarters were computed from the

midpoint of between the NQ & NE corners then terminated on the south line of the section at proportionate measure between the SW and SE corners, since from the notes and review of the plat it is assumed although not set, the SQ was to be established 40 chains west of the SE corner. The meander corners on the North line were calculated by single proportionate measurement between the NW and NQ corners. The meander corners on the South line were calculated by single proportionate measurement between the SW and SE corners. Accretions along the right bank for Government Lots 1, 4, 5 and 8 are part of Accretion Calculation #5(proportionate shoreline). Since the face of the plat does not show the Government Lot designations, the patents were reviewed to compare acreage and thus designate appropriate Government Lot Numbers.

SECTION 17

Six corners of this section were recovered along with 2 witness corners to the SW corner. This Section was not fractional at the time of the original survey; therefore, the section was broken using the federal method for standard sections.

SECTION 18

Three corners of this section were recovered along with a witness corner to the SW corner. The NQ and SQ corners were not established as part of the original survey although the line was run, since the Missouri river divides the section. The E-W quarter line was set between the EQ & WQ corners and terminated at the left and right bank of the Missouri River. Additionally, E-W 1/16 lines were computed at mean courses and terminated at the left and right bank of the Missouri River. The N-S 1/16 lines of the NE and SE Quarters were computed from north line of the section at proportionate measure between the NW and NE corners, since from the notes and review of the plat it is assumed although not set, the NQ was to be established 40 chains west of the NE corner. Said N-S 1/16 lines terminus was computed at proportionate measure between the SW and SE corners, since from the notes and review of the plat it is assumed although not set, the SQ was to be established 40 chains west of the SE corner. The meander corners on the North line were calculated by single proportionate measurement between the NW and NE corners. The meander corners on the South line were calculated by single proportionate measurement between the SW and SE corners. Accretions along the right bank for Government Lots 1, 4 and 5 are part of Accretion Calculation #5 (proportionate shoreline). Accretions of the left bank for Government Lots 3, 6 and 7 are part of Accretion Calculation #6(proportionate shoreline). Since the face of the plat does not show the Government Lot designations, the patents were reviewed to compare acreage and thus designate appropriate Government Lot Numbers.

SECTION 19

Four corners of this section were recovered along with a witness corner to the NE corner. The NQ and SQ corners were not established as part of the original survey although the line was run, since the Missouri river divides the section. The E-W quarter line was set between the EQ & WQ corners and terminated at the left and right bank of the Missouri River. Additionally, E-W 1/16 lines were computed at mean courses and terminated at the left and right bank of the Missouri River. The N-S 1/16 lines of the NE and SE Quarters were computed from north line of the section at proportionate measure

between the NW and NE corners, since from the notes and review of the plat it is assumed although not set, the NQ was to be established 40 chains west of the NE corner. Said N-S 1/16 lines terminus was computed at proportionate measure between the SW and SE corners, since from the notes and review of the plat it is assumed although not set, the SQ was to be established 40 chains west of the SE corner. The meander corners on the North line were calculated by single proportionate measurement between the NW and NE corners. The meander corners on the South line were calculated by single proportionate measurement between the SW and SE corners. Accretions of the left bank for Government Lots 2, 3, 6 and 7 are part of Accretion Calculation #6(proportionate shoreline). Since the face of the plat does not show the Government Lot designations, the patents were reviewed to compare acreage and thus designate appropriate Government Lot Numbers.

SECTION 20

Six corners of this section were recovered along with 2 witness corners to the NW corner. This Section was not fraction at the time of the original survey; therefore, the section was broken using the federal method for standard sections.

SECTION 30

Six corners of this section were filed recovered. The NQ and WQ corners were not established as part of the original survey although the line was run, since the Missouri river divides the section. However, all section corners were established therefore this section was broken according to the federal method for section closing on the west township line. Quarter and sixteenth lines were terminated at the calculated meander lines which matched the record within reason. Meander corners on the west and north lines were calculated at single proportionate measure between their respective corners. Accretions of the left bank for Government Lot 2 is part of Accretion Calculation #6(proportionate shoreline). Accretions of the right bank for Government Lots 3, 4 and 5 are part of Accretion Calculation #7(proportionate shoreline).

TWP 153 N, R 102 W

PLSS CORNERS:

A-11 Found 5/8” Rebar

A-12 Found Aluminum Capped Rebar

A-13 Found Original Stone & accessory rebar

B-11 Found Aluminum Capped Rebar

B-13 Found 1” Square Rod

C-11 Found Iron Pipe

C-12 Found Original Stone with accessory Iron pipe

C-13 Holding previously Calculated corner position from US Hwy. 85 job, 20010

D-11 Calculated at Single proportion holding the NE Section 11 (C-11) and the NE Corner of Section 14 (E-11)

D-13 Calculated at Single proportion, on the Township Line, holding the NE Section 12 (C-13) and the EQ Corner of Section 13 (F-13)

E-11 Found Original Stone with accessory Aluminum Capped Rebar

E-12 Found 1/2” Iron pipe

E-13 Calculated at Single proportion, on the Township Line, holding the NE Section 12 (C-13) and the EQ Corner of Section 13 (F-13)

F-11 Found 4” x 4” concrete monument

F-13 Found Brass Capped Monument

G-2 Found Original Stone and accessory rebar

G-3 Found Aluminum Capped Rebar

G-4 Found Rebar

G-5 Found rebar & Orange Plastic Cap LS 754?

G-6 Found 1” Iron Pipe

G-7 Found Square Iron Pin

G-8 Found rebar

G-9 Found Aluminum Capped Rebar LS 8732

G-10 Found Rebar

G-11 Found Rebar

G-12 Found Aluminum Capped Rebar

TWP 153 N, R 102 W

G-13 Found Rebar

H-1 Found Aluminum Capped Rebar LS 4352

H-3 Not calculated, not set in original survey

H-5 Not calculated, not set in original survey

H-7 Calculated at Single proportion, holding the NE Section 21 (G-7) and the NE Corner of Section 28 (J-7)

H-9 Calculated at Single proportion, holding the NE Section 22 (G-9) and the NE Corner of Section 27 (J-9)

H-11 Found Concrete Monument

H-13 Found Brass Capped Monument

J-1 Found Aluminum Capped Rebar LS 7540

J-2 Holding field calculated corner from 2 reference monuments

J-3 Double Proportionate measurement holding NE Section 19 (G-3), the NE Section 29 (J-5), the NE Section 31 (L-3) and the NQ Section 30 (J-2).

J-4 Calculated at Single proportion, holding the NE Section 30 (J-3) and the NE Corner of Section 29 (J-5)

J-5 3-point calculation holding GLO distance from the NQ Section 30 (J-2) and proportionate measurement holding NE Section 20 (G-5) and the NE Section 32 (L-5)

J-6 Not calculated, not set in original survey

J-7 3-point calculation holding GLO distance from the NE Section 26 (J-11) and proportionate measurement holding NE Section 21 (G-7) and the SE Section 33 (N-7)

J-8 Not calculated, not set in original survey

J-9 3-point calculation holding GLO distance from the NE Section 26 (J-11) and proportionate measurement holding NE Section 22 (G-9) and the SE Section 34 (N-9)

J-10 Calculated at Single proportion, holding the NE Section 27 (J-9) and the NE Corner of Section 26 (J-11)

J-11 Found Square Iron Pin

J-12 Found Aluminum Capped Rebar LS 3496

J-13 Found BLM Brass Capped Monument

K-1 Found Rebar

K-3 Calculated at Single proportion, holding the NE Section 30 (J-3) and the NE Corner of Section 31 (L-3)

K-5 Not calculated, not set in original survey

K-7 Not calculated, not set in original survey

K-9 Not calculated, not set in original survey

K-11 Calculated at Single proportion, holding the NE Section 26 (J-11) and the NE Corner of Section 35 (L-11)

K-13 Not calculated, not set in original survey.

L-1 Found Brass Capped Monument

L-2 Found 4” x 4” Concrete Monument

L-3 Found Brass Capped Monument

L-4 Calculated at Single proportion, holding the NE Section 31 (L-3) and the NE Corner of Section 32 (L-5)

L-5 Found Concrete Monument

L-6 Not calculated, not set in original survey

L-7 3-point calculation holding GLO distance from the NE Section 32 (L-5) and proportionate measurement holding NE Section 21 (G-7) and the SE Section 33 (N-7)

L-8 Not calculated, not set in original survey

L-9 3-point calculation holding GLO distance from the NE Section 35 (L-11) and proportionate measurement holding NE Section 22 (G-9) and the SE Section 34 (N-9)

L-10 Calculated at Single proportion, holding the NE Section 34 (L-9) and the NE Corner of Section 35 (L-11)

L-11 Found Aluminum Capped Rebar “Interstate” LS2884

L-12 Calculated at Single proportion, holding the NE Section 35 (L-11) and the NE Corner of Section 36 (L-13)

L-13 Found Original Stone with accessory rebar

M-5 Found Rebar

M-7 Calculated at Single proportion, holding the NE Section 33 (L-7) and the SE Corner of Section 33 (N-7)

M-9 Calculated at Single proportion, holding the NE Section 34 (L-9) and the SE Corner of Section 34 (N-9)

M-11 Calculated at Single proportion, holding the NE Section 35 (L-11) and the SE Corner of Section 35 (N-11)

M-13 Found Original Stone with accessory rebar

N-5 Found Brass Capped Monument

N-6 Found BLM Brass Capped Monument

TWP 153 N, R 102 W

N-7 Found Iron Pipe

N-8 Calculated at Single proportion and adjusted to the offset from the Chord holding the SE Section 33 (N-7) and the SE Corner of Section 34 (N-9)

N-9 Found Aluminum Capped Rebar

N-10 Calculated at Single proportion and adjusted to the offset from the Chord holding the SE Section 34 (N-9) and the SE Corner of Section 35 (N-11)

N-11 Found 5/8" Rebar

N-12 Found Aluminum Capped Rebar LS 8732

N-13 Found T post

SECTION 1

Seven corners of this section were field recovered and the township corner to the east that affects this section was recovered. Additionally, the center of section was recovered and fits within reason. The W1/16 corner common to Sections 1 & 12 was also recovered. This Section was not affected by the Missouri River at the time of the original survey; therefore, the section was broken using the federal method for sections on the northern tier of Townships. No meander lines, meander corners or accretions calculated as part of this section breakdown.

SECTION 12

Four corners of this section were field recovered. The W1/16 corner common to Sections 1 & 12 was also recovered. This Section was not fraction at the time of the original survey; therefore, the section was broken using the federal method for standard sections. No meander lines, meander corners or accretions calculated as part of this section breakdown.

SECTION 13

Seven corners of this section were field recovered. This Section was not fraction at the time of the original survey; therefore, the section was broken using the federal method for standard sections. No meander lines, meander corners or accretions calculated as part of this section breakdown.

SECTION 19

Six corners of this section were field recovered. The N-S quarter line was place between the NQ and SQ corners, the E-W Quarter line was computed between the WQ corner and the assumed EQ corner at mid-point of the East section line since the EQ corner was not set in the original survey. Sixteenth lines were computed per the federal method for sections on the western tier of townships. Meander corners

on the South and East lines were computed at single proportionate measurement between the respective corners. The meander line was computed and adjusted per the record.

SECTION 20

Three corners of this section were field recovered. The N-S quarter line was place between the NQ and SQ corners, the E-W Quarter line was computed between the assumed WQ corner at the mid-point of the West Section line and the assumed EQ corner at mid-point of the East section line since the EQ & WQ corners were not set in the original survey. Sixteenth lines were computed per the federal method for sections. Meander corners on the South, West and East lines were computed at single proportionate measurement between the respective corners. The meander line was computed and adjusted per the record.

SECTION 21

Three corners of this section were field recovered. The N-S quarter lined was computed from the NQ corner to the assumed SQ corner. The E-W Quarter line was computed between the assumed WQ corner at the mid-point of the West Section line and the compute EQ corner. Sixteenth lines were computed per the federal method for sections. Meander corners on the West and East lines were computed at single proportionate measurement between the respective corners. The meander line was computed and adjusted per the record.

SECTION 22

Three corners of this section were field recovered. The N-S quarter lined was computed from the NQ corner to the assumed SQ corner. The E-W Quarter line was computed between the WQ & EQ corners. Sixteenth lines were computed per the federal method for sections. Meander corners on the West and South lines were computed at single proportionate measurement between the respective corners. The meander line was computed and adjusted per the record.

SECTION 23

Five corners of this section were field recovered. This Section was not fraction at the time of the original survey; therefore, the section was broken using the federal method for standard sections. No meander lines, meander corners or accretions calculated as part of this section breakdown.

SECTION 25

Five corners of this section were field recovered. The N-S quarter lined was computed from the NQ corner to the SQ corner. The E-W Quarter line was not computed in the original survey or this survey. Sixteenth lines were computed per the federal method for sections. Meander corners on the West and East lines were computed at single proportionate measurement between the respective corners. The meander line was computed and adjusted per the record.

SECTION 26

Two corners of this section were field recovered. The N-S quarter lined was computed from the NQ corner to the SQ corner. The E-W Quarter line was not computed in the original survey or this survey. Sixteenth lines were computed per the federal method for sections. Meander corners on the West and East lines were computed at single proportionate measurement between the respective corners. The meander line was computed and adjusted per the record.

SECTION 27

No corners of this section were recovered. No quarter lines or sixteenth lines were computed as most of the section was meandered within the Missouri River. Meander corners on the North, South and East lines were computed at single proportionate measurement between the respective corners. The meander line was computed and adjusted per the record.

SECTION 28

One corner of this section was recovered and a single meander corner on the West line. Quarter lines and sixteenth lines were computed as mean bearings since most of the section was meandered within the Missouri River. Meander corners on the South and West lines were computed at single proportionate measurement between the respective corners. The meander line was computed and adjusted per the record.

SECTION 36

Six corners of this section were field recovered. This Section was not fraction at the time of the original survey; therefore, the section was broken using the federal method for standard sections. No meander lines, meander corners or accretions calculated as part of this section breakdown.

TWP 154 N, R 094 W

PLSS CORNERS:

E-1 Found Original Stone and accessory rebar.

G-3 Found Rebar, per NDLSMR C3915.

H-5 Found Original Stone and accessory rebar & Cap LS 3541.

J-1 Computed at Single proportion holding the NW Corner of Section 18 (E-1) and the WQ Corner of Section 31 (M-1).

J-2 Computed at Single proportion holding the calculated NW Corner of Section 30 (J-1) and the calculated NE Corner of Section 30 (J-3).

J-3 Computed at double proportion holding the NE Corner of Section 19 (G-3), the NQ Corner of Section 28 (J-6), the calculated SE Corner of Section 31 (N-3) and the calculated NW Corner of Section 30 (J-1).

J-4 Computed at Single proportion holding the calculated NE Corner of Section 30 (J-3) and the calculated NE Corner of Section 29 (J-5).

J-5 Computed at double proportion holding the EQ Corner of Section 20 (H-5), the NQ Corner of Section 28 (J-6), the calculated SE Corner of Section 32 (N-5) and the calculated NW Corner of Section 30 (J-1).

J-6 Found USCOE T-Pin.

J-7 Found Original Stone and accessory Aluminum Cap LS 2884.

J-8 Found Original Stone and accessory Aluminum Cap LS 2884.

J-9 Found Rebar.

J-10 Found Original Stone and accessory Aluminum Cap LS 3214, witness corner, calculated 75.9’ east for true position.

J-11 Found USCOE T-Pin.

J-12 Found Original Stone and accessory rebar.

J-13 Found Original Stone and accessory rebar.

K-1 Computed at Single proportion holding the NW Corner of Section 18 (E-1) and the WQ Corner of Section 31 (M-1).

K-3 Computed at Single proportion holding the calculated NE Corner of Section 30 (J-3) and the calculated NE Corner of Section 31 (L-3).

K-5 Computed at Single proportion holding the calculated NE Corner of Section 29 (J-5) and the calculated NE Corner of Section 32 (L-5).

K-7 Computed at Single proportion holding the calculated NE Corner of Section 28 (J-7) and the calculated NE Corner of Section 33 (L-7).

K-9 Found Original Stone and accessory rebar.

K-11 Found Original Stone and accessory rebar.

K-13 Found Aluminum capped rebar, LS-3214, in mound of stone

L-1 Computed at Single proportion holding the NW Corner of Section 18 (E-1) and the WQ Corner of Section 31 (M-1).

L-3 Computed at Single proportion holding the NE Corner of Section 19 (G-3) and the SE Corner of Section 31 (N-3), no distances to adjacent corners east and west, therefore single proportion applied.

L-5 Computed at Single proportion holding the EQ Corner of Section 20 (H-5) and the SE Corner of Section 32 (N-5), no distances to adjacent corners and west, adjacent lines east extend 1 mile of which no corners were recovered, therefore single proportion applied and the check of the line east matches GLO distance within reason.

L-6 Computed at Single proportion, holding the calculated NE Corner of Section 32 (L-5) and the calculated NE Corner of Section 33 (L-7).

L-7 Computed at Single proportion holding the NE Corner of Section 28 (J-7) and the SE Corner of Section 33 (N-7), no distances to adjacent corners and east, adjacent lines west extend 1 mile of which no corners were recovered, therefore single proportion applied and the check of the line west matches GLO distance within reason.

L-9 Computed at 3-point location holding GLO distance west from the NQ Corner of Section 36 (L-12) and single proportion N-S, holding the EQ Corner of Section 27 (K-9) and the calculated SE Corner of Section 34 (N-9).

L-10 Computed at Single proportion, holding the calculated NE Corner of Section 34 (L-9) and the calculated NE Corner of Section 35 (L-11).

L-11 Computed at double proportion holding the EQ Corner of Section 26 (K-11), the NQ Corner of Section 36 (L-12), the SE Corner of Section 35 (N-11) and the NE Corner of Section 34 (L-9)

L-12 Found Original Stone and accessory Rebar with USCOE post.

L-13 Found Original Stone and accessory Rebar.

M-1 Found original stone and accessory Aluminum Cap LS-4654.

M-3 Computed at Single proportion holding the calculated NE Corner of Section 31 (L-3) and the SE Corner of Section 31 (N-3).

M-5 Computed at Single proportion holding the calculated NE Corner of Section 32 (L-5) and the calculated SE Corner of Section 32 (N-5).

M-7 Corner was not physically established in original survey, however original notes reference 40 chains on the line common to Sections 33 & 34, corner location computed at single proportion, holding the calculated NE Corner of Section 33 (L-7) and the calculated SE Corner of Section 33 (N-7).

M-9 Corner was not physically established in original survey, however original notes reference 40 chains on the line common to Sections 34 & 35, corner location computed at single proportion, holding the calculated NE Corner of Section 34 (L-9) and the calculated SE Corner of Section 34 (N-9).

M-11 Computed at Single proportion, holding the calculated NE Corner of Section 35 (L-11) and the calculated SE Corner of Section 35 (N-11).

M-13 Found Original Stone and accessory rebar.

N-1 Found BLM Aluminum Capped Monument, dated 1984.

N-2 Found Original Stone, per NDLSMR 11008574.

N-3 Found Original Stone and accessory Aluminum Cap LS-3496.

N-4 Computed at Single proportion, and adjusted to the chord offset, holding the SE Corner of Section 31 (N-3) and the SE Corner of Section 36 (N-13).

N-5 Computed at Single proportion, and adjusted to the chord offset, holding the SE Corner of Section 31 (N-3) and the SE Corner of Section 36 (N-13).

N-6 Computed at Single proportion, and adjusted to the chord offset, holding the SE Corner of Section 31 (N-3) and the SE Corner of Section 36 (N-13).

N-7 Computed at Single proportion, and adjusted to the chord offset, holding the SE Corner of Section 31 (N-3) and the SE Corner of Section 36 (N-13).

N-8 Computed at Single proportion, and adjusted to the chord offset, holding the SE Corner of Section 31 (N-3) and the SE Corner of Section 36 (N-13).

N-9 Computed at Single proportion, and adjusted to the chord offset, holding the SE Corner of Section 31 (N-3) and the SE Corner of Section 36 (N-13).

N-10 Computed at Single proportion, and adjusted to the chord offset, holding the SE Corner of Section 31 (N-3) and the SE Corner of Section 36 (N-13).

N-11 Computed at Single proportion, and adjusted to the chord offset, holding the SE Corner of Section 31 (N-3) and the SE Corner of Section 36 (N-13).

N-12 Computed at Single proportion, and adjusted to the chord offset, holding the SE Corner of Section 31 (N-3) and the SE Corner of Section 36 (N-13).

N-13 Computed position based on Rugland and Meinecke corner records from NDLSMRs C3142, Mountrail County (2010) & C4645 Mountrail County (2015). Double proportion matches within 3.25 feet using long baselines West and South. Basis of final calculation is bearing-bearing intersection of the USCOE T pins North and the Original stones East

SECTION 27

Four corners of this section were field recovered. The N-S quarter line was set from the NQ mean bearing south. The E-W quarter line was set between the WQ and EQ corners. All 1/16 lines in of this Section were run at mean bearings with the exception of the E-W 1/16th line of the SE Quarter which was set parallel with the E-W quarter line. The meander corner on the west line was computed at single proportion. The meander corner on the south line was computed at GLO distance westerly from the NE Corner of Section 34 (L-9) basis of bearing is the mean of the south Township line of which was set parallel with said line during the original survey. The meander line of the left bank of the Missouri River was computed and adjusted according to the record. Government Lots 2, 3, 4 & 5 are subject to erosion according to the provided Wenck OHWM. Accretions benefiting riparian owners of the right bank of the Missouri River in Section 33 are calculated in accretion calculation #30.

SECTION 28

Two corners of this section were field recovered. The N-S quarter line was set between the NQ and SQ corners. The E-W quarter line was not established. All 1/16 lines in of this Section were run at mean bearings. The meander corners on the south, east and west lines were computed at single proportion. The meander lines of the left and right banks of the Missouri River were computed and adjusted according to the record, one call on the left bank of the river seems to be in error. The third call of the record states South 27 degrees East, however that bearing does not match the GLO plat visually and misses the meander corner significantly, the numbers were possibly transposed. South 72 degrees East was used in calculations. Government Lots 4, 5 & 6 are subject to erosion according to the provided Wenck OHWM. Accretions for Government Lots 1, 2, 3 & 4 are calculated in accretion calculation #29. Accretions for Government Lot 6 are calculated in accretion calculation #30. Accretions benefiting riparian owners of the right bank of the Missouri River in Section 33 are calculated in accretion calculation #30.

SECTION 29

No corners of this section were field recovered. The N-S quarter line was set from the NQ mean bearing south. The E-W quarter line was set between the WQ and EQ corners. All 1/16 lines in of this Section were run at mean bearings. The meander corners on the east and west lines were computed at single proportion. The meander corner on the south line was computed at GLO distance westerly from the NE Corner of Section 32 (L-5) basis of bearing is the mean of the south Township line of which was set parallel with said line during the original survey. The meander line of the left bank of the Missouri River was computed and adjusted according to the record. While the meander line of the right bank of the Missouri River was set between the computed meander corners. Government Lot 6 is subject to erosion according to the provided Wenck OHWM. Accretions for Government Lots 1, 2, 3, 4 & 5 are calculated in accretion calculation #29.

SECTION 30

No corners of this section were field recovered. The N-S quarter line was set parallel with the east line of the section. The E-W quarter line was set between the calculated WQ and EQ corners. The N-S 1/16 lines in of this Section were computed parallel with the east line of the section. The E-W 1/16 lines were computed at mean bearings. The meander corners on the east and west lines were computed at single proportion. No part of the south line of this section was run in the original survey. The meander line of the left bank of the Missouri River was computed and adjusted according to the record. Government Lots 4, 5 & 6 of this section are subject to erosion according to the provided Wenck OHWM. Accretions for Government Lots 3 & 4 are calculated in Accretion calculation #29.

SECTION 31

Four corners of this section were field recovered. The N-S quarter line was set parallel with the east line of the section. The E-W quarter line was computed between the EQ and WQ corners. The N-S 1/16 lines in of this Section were computed parallel with the east line of the section. The E-W 1/16 lines were computed at mean bearings except for the line common to Government Lots 1 & 2 which was set parallel with the E-W quarter line. The meander corners on the east and west lines were computed at single proportion. The meander line of the right bank of the Missouri River was computed and adjusted according to the record. Government Lots 1, 2, 3, 4 & 5, and the NE4 of the SE4 are subject to erosion according to the provided Wenck OHWM. No Accretions exist in this section.

SECTION 32

One corner of this section was field recovered. Although the section is fractional all corners were established by the GLO, the NE and EQ were not set as they were on a sandbar of the Missouri river that was meandered. The N-S quarter line was set from the NQ to SQ corners. The E-W quarter line was set from the WQ and EQ corners. The N-S 1/16 lines in of this Section were run at mean bearings. The E-W 1/16 lines were computed at mean bearings except for the south line of Government Lots 1 & 2 which was set parallel with the E-W quarter line. The meander corner on the west line was computed at single proportion. The meander corner on the north line was computed at GLO distance westerly from the NE Corner of Section 32 (L-5) basis of bearing is the mean of the south Township line of which was set parallel with said line during the original survey. The meander lines of the right bank of the Missouri River was computed and adjusted according to the record. Government Lots 1, 2, 3 & 4, the N2 of the SW4, the N2 of the SE4 and the S2 of the NE4, are subject to erosion according to the provided Wenck OHWM. No Accretions exist in this section.

SECTION 33

No corners of this section were field recovered. The N-S quarter line was set from the SQ corner mean bearing of the east and west lines of the section. The E-W quarter line was set from the WQ and EQ corners. All 1/16 lines in of this Section were run at mean bearings. The meander corner on the south and east lines were computed at single proportion. On the GLO plat the distance shown across the south

line of this section is 80 chains, however the distances between the SE corner, meander corner and SW corner when added together equals 81 chains. A review of the notes for the township line shows that the distance on the GLO plat, 2.25 chains from the SE corner to the meander corner is in error and should be 1.25 chains. The meander line of the right bank of the Missouri River was computed and adjusted according to the record. Government Lots 1, 2, 3 & 4 the W2 of the SE4 and the NW4, are subject to erosion according to the provided Wenck OHWM. Accretions for Government Lots 1 & 2 are calculated in Accretion calculation #30.

SECTION 34

No corners of this section were field recovered. Much of this section was meandered as part of the Missouri River in the original survey. All corners except the NQ corner were established or computed by the GLO. The meander corners on the south and east lines were computed at single proportion. The meander corner on the north line was computed at GLO distance westerly from the NE Corner of Section 34 (L-9) basis of bearing is the mean of the south Township line of which was set parallel with said line during the original survey. The meander line of the left bank of the Missouri River was computed and adjusted according to the record. Government Lots 1 & 2 are subject to erosion according to the provided Wenck OHWM. Accretions benefiting riparian owners of the right bank of the Missouri River in Section 33 are calculated in accretion calculation #30.

SECTION 35

No corners of this section were field recovered. The N-S quarter line was set between the NQ and SQ corners. The E-W quarter line was set from the WQ and EQ corners. All 1/16 lines in of this Section were run at mean bearings. The meander corners on the west line were computed at single proportion. The meander line of the left bank of the Missouri River was computed and adjusted according to the record. Government Lots 1 & 2, the E2 of the SW4, the SW4 of the SW4, the SE4 of the NW4 and the NW4 of the NW4, are subject to erosion according to the provided Wenck OHWM.

TWP 154 N, R 095 W

PLSS CORNERS:

E-13 Found Original Stone and accessory rebar.

F-1 Found USACOE T-Pin Corner Monument.

F-11 Found USACOE T-Pin Corner Monument.

G-3 Found #5 Rebar.

G-5 Found Original Stone and accessory rebar.

G-7 Found Original Stone.

G-9 Found #5 Rebar.

J-1 Computed at Single proportion holding the WQ Corner of Section 18 (F-1) and the SW Corner of Section 31 (N-1).

J-2 Computed at single proportion holding the calculated NW corner of Section 30 (J-1) and the calculated NE corner of Section 30 (J-3).

J-3 Computed at double proportion holding the NE corner of Section 19 (G-3), the calculated NE Corner of Section 25 (J-13), the SE Corner of Section 31 (N-3) and the calculated NW Corner of Section 30 (J-1).

J-4 Computed at single proportion holding the calculated NE corner of Section 30 (J-3) and the calculated NE corner of Section 29 (J-5).

J-5 Computed at double proportion holding the NE corner of Section 20 (G-5), the calculated NE Corner of Section 25 (J-13), the SE Corner of Section 32 (N-5) and the calculated NW Corner of Section 30 (J-1).

J-6 Computed at single proportion holding the calculated NE corner of Section 29 (J-5) and the calculated NE corner of Section 28 (J-7).

J-7 Computed at double proportion holding the NE corner of Section 21 (G-7), the calculated NE Corner of Section 25 (J-13), the EQ Corner of Section 33 (M-7) and the calculated NW Corner of Section 30 (J-1).

J-8 Computed at single proportion holding the calculated NE corner of Section 28 (J-7) and the calculated NE corner of Section 27 (J-9).

J-9 Computed at double proportion holding the NE corner of Section 22 (G-9), the calculated NE Corner of Section 25 (J-13), the EQ Corner of Section 34 (M-9) and the calculated NW Corner of Section 30 (J-1).

J-10 Computed at single proportion holding the calculated NE corner of Section 27 (J-9) and the calculated NE corner of Section 26 (J-11).

J-11 Computed at double proportion holding the EQ corner of Section 14 (F-11), the calculated NE Corner of Section 25 (J-13), the SE Corner of Section 35 (N-11) and the calculated NW Corner of Section 30 (J-1).

J-12 Computed at single proportion holding the calculated NE corner of Section 26 (J-11) and the calculated NE corner of Section 25 (J-13).

J-13 Computed at Single proportion holding the NE Corner of Section 13 (E-13) and the EQ Corner of Section 36 (M-13).

K-1 Computed at Single proportion holding the WQ Corner of Section 13 (F-1) and the SW Corner of Section 31 (N-1).

K-3 Computed at Single proportion holding the NE Corner of Section 30 (J-3) and the NE Corner of Section 31 (L-3).

K-5 Computed at Single proportion holding the NE Corner of Section 29 (J-5) and the NE Corner of Section 32 (L-5).

K-13 Computed at Single proportion holding the NE Corner of Section 13 (E-13) and the EQ Corner of Section 36 (M-13).

L-1 Computed at Single proportion holding the WQ Corner of Section 18 (F-1) and the SW Corner of Section 31 (N-1).

L-2 Not set or computed in original survey, not computed.

L-3 Computed at Single proportion holding the NE Corner of Section 19 (G-3) and the SE Corner of Section 31 (N-3). No distances to adjacent corners E & W section lines terminated by the left bank of the Missouri River.

L-4 Computed at GLO distance east, from the NE Corner of Section 31 (L-3), basis of bearing used is the mean line of the south township line which according to the GLO plat and notes was the bearing used to establish this line.

L-5 Computed at Single proportion holding the NE Corner of Section 20 (G-5) and the SE Corner of Section 32 (N-5). No distances to adjacent corners E & W section corner location lies in the Missouri River.

L-6 Not set or computed in original survey, not computed.

L-7 Computed at Single proportion holding the NE Corner of Section 21 (G-7) and the EQ Corner of Section 33 (M-7). No distance to adjacent corners West section line terminated by the right bank of the Missouri River. Although distances are provided East, the distances are not provided to the Township line, nor were any monuments recovered, therefore to best establish this location the original monuments north and south were most suitable.

L-8 Computed at Single proportion holding the calculated NE Corner of Section 33 (L-7) and the calculated NE Corner of Section 34 (L-9).

L-9 Computed at double proportion holding the NE Corner of Section 22 (G-9), the calculated NE Corner of Section 35 (L-11), the EQ Corner of Section 34 (M-9) and the calculated NE Corner of Section 33 (L-7). Although the corners used East & West are calculated the distances are provided to these adjacent corners. To hold the geometry of the original survey, double proportion, in this manner, was the best application to calculate this corner.

L-10 Computed at Single proportion holding the calculated NE Corner of Section 34 (L-9) and the calculated NE Corner of Section 35 (L-11).

L-11 Computed at Single proportion holding the EQ Corner of Section 14 (F-11) and the SE Corner of Section 35 (M-7). No distance to adjacent corners East section line terminated by the right bank of the Missouri River. Although distances are provided West, the distances are not provided to the Township line, nor were any monuments recovered, therefore to best establish this location, the monuments north and south were most suitable for calculation.

L-12 Computed at GLO distance east, from the NE Corner of Section 35 (L-11), basis of bearing used is the mean line of the south township line which according to the GLO plat and notes was the bearing used to establish this line.

L-13 Computed at Single proportion holding the NE Corner of Section 13 (E-13) and the EQ Corner of Section 36 (M-13).

M-1 Computed at Single proportion holding the WQ Corner of Section 18 (F-1) and the SW Corner of Section 31 (N-1).

M-3 Not set in original survey, notes show 40 chs. being within the Missouri River, computed at single proportion holding the calculated NE Corner of Section 31 (L-3) and the SE Corner of Section 31 (N-3).

M-5 Computed at single proportion holding the calculated NE Corner of Section 32 (L-5) and the SE Corner of Section 32 (N-5).

M-7 Found Iron Pin/Rod according to NDLSMR, 2007.

M-9 Found 1/2” Rebar and 1 1/2” Aluminum Cap, according to NDLSMR, 2007.

M-11 Computed at single proportion holding the calculated NE Corner of Section 35 (L-11) and the SE Corner of Section 35 (N-11).

M-13 Found original stone and accessory Aluminum Cap LS-4654.

N-1 Found BLM Aluminum Capped Monument, dated 1984.

N-2 Found Original Stone and accessory Aluminum Cap LS-3592, according to NDLSMR, 1999.

N-3 Found BLM Brass Capped Monument, according to NDLSMR, 1975.

N-4 Computed at Single proportion, and adjusted to the chord offset, holding the SE Corner of Section 31 (N-3) and the SE Corner of Section 32 (N-5).

N-5 Found Original Stone and Iron Pipe, according to NDLSMR, 1975.

N-6 Found USACOE T-Pin Monument.

N-7 Found BLM Aluminum Capped Monument, dated 1984, according to NDLSMR, 1996.

N-8 Found Original Stone and accessory rebar, according to NDLSMR, 1975.

N-9 Found BLM Aluminum Capped Monument, dated 1984.

N-10 Found Original Stone and accessory Aluminum Cap LS-3592, according to NDLSMR, 1999.

N-11 Found BLM Aluminum Capped Monument, dated 1984.

N-12 Found BLM Aluminum Capped Monument, dated 1984.

N-13 Found BLM Aluminum Capped Monument, dated 1984.

SECTION 25

No corners of this section were field recovered. The N-S quarter line was set between the NQ and SQ corners. The E-W quarter line was not computed. All 1/16 lines in of this Section were run at mean bearings. The meander corners on the east and west lines were computed at single proportion. The meander corner on the south line was computed at GLO distance easterly from the NE Corner of Section 35 (L-11) basis of bearing is the mean of the south Township line of which was set parallel with said line during the original survey. The meander lines of the left and right banks of the Missouri River were computed and adjusted according to the record. Government Lots 4, 5 & 6 are subject to erosion according to the provided Wenck OHWM. Accretions for Government Lots 1, 2, 3 & 4 are calculated in Accretion calculation #26.

SECTION 26

No corners of this section were field recovered. The N-S quarter line was set between the NQ and SQ corners. The E-W quarter line was not computed. All 1/16 lines in of this Section were run at mean bearings. The meander corners on the east and west lines were computed at single proportion. The meander lines of the left and right banks of the Missouri River were computed and adjusted according to the record. Government Lots 2, 3, 4, 5, 6 & 8 are subject to erosion according to the provided Wenck OHWM. Accretions for Government Lots 2, 3 & 4 are calculated in Accretion calculation #26. Accretions for Government Lots 6 & 7 are calculated in Accretion calculation #27.

SECTION 27

No corners of this section were field recovered. The N-S quarter line was set between the NQ and SQ corners. The E-W quarter line was not computed. All 1/16 lines in of this Section were run at mean bearings. The meander corners on the east and west lines were computed at single proportion. The meander lines of the left and right banks of the Missouri River were computed and adjusted according to the record. Government Lots 1, 7 & 8 are subject to erosion according to the provided Wenck OHWM. Accretions for Government Lots 2, 3 & 4 are calculated in Accretion calculation #28. Accretions for Government Lots 5, 6 & 8 are calculated in Accretion calculation #27.

SECTION 28

No corners of this section were field recovered. The N-S quarter line was set at mean bearing from the NQ corner. The E-W quarter line was set from the WQ corner to the calculated midpoint of the east line or assumed EQ corner. All 1/16 lines in of this Section were run at mean bearings. The meander corners on the east and west lines were computed at single proportion. The meander corner on the south line

was computed at GLO distance westerly from the NE Corner of Section 33 (L-7) basis of bearing is the mean of the south Township line of which was set parallel with said line during the original survey. The meander lines of the left and right banks of the Missouri River were computed and adjusted according to the record. Government Lot 5 is subject to erosion according to the provided Wenck OHWM. Accretions for Government Lots 1, 2, 3 & 4 are calculated in accretion calculation #28.

SECTION 29

No corners of this section were field recovered. The N-S quarter line was set between the NQ and SQ corners. The E-W quarter line was set between the WQ an EQ corners. All 1/16 lines in of this Section were run at mean bearings. The meander corner on the east line was computed at single proportion. The meander corner on the south line was computed at GLO distance easterly from the NE Corner of Section 31 (L-3) basis of bearing is the mean of the south Township line of which was set parallel with said line during the original survey. The meander line of the left bank of the Missouri River was computed and adjusted according to the record. Government Lots 1 & 2, the NW4, the SW4 and the N2 of the SE4, are subject to erosion according to the provided Wenck OHWM. Accretions for Government Lot 1 are calculated in accretion calculation #28.

SECTION 30

No corners of this section were field recovered. The N-S quarter line was set parallel with the east line of the section. The E-W quarter line was set between the WQ an EQ corners. The N-S 1/16 lines in of this Section were computed parallel with the east line of the section. The E-W 1/16 lines were computed at mean bearings. The meander corner on the east line was computed at single proportion. The meander corner on the south line was computed at GLO distance westerly from the NE Corner of Section 31 (L-3) basis of bearing is the mean of the south Township line of which was set parallel with said line during the original survey. The meander line of the left bank of the Missouri River was computed and adjusted according to the record. Most of this section is subject to erosion according to the provided Wenck OHWM. Accretions benefiting riparian owners of the right bank of the Missouri River in adjacent sections are calculated in accretion calculation #23.

SECTION 31

Three corners of this section were field recovered. The N-S quarter line was set parallel with the east line of the section. The E-W quarter line not computed. The N-S 1/16 lines in of this Section were computed parallel with the east line of the section. The E-W 1/16 lines were computed at mean bearings. The meander corners on the east and west lines were computed at single proportion. The meander corner on the north line was computed at GLO distance westerly from the NE Corner of Section 31 (L-3) basis of bearing is the mean of the south Township line of which was set parallel with said line during the original survey. The meander lines of the left and right banks of the Missouri River were computed and adjusted according to the record. Government Lot 1 is subject to erosion according

to the provided Wenck OHWM. Accretions benefiting Government Lots 2, 3, 4 & 5 are calculated in accretion calculation #23.

SECTION 32

Two corners of this section were field recovered. The N-S quarter line was set from the NQ and SQ corners. The E-W quarter line was set from the WQ and EQ corners. All 1/16 lines in of this Section were run at mean bearings. The meander corners on the east and west lines were computed at single proportion. The meander corner on the north line was computed at GLO distance easterly from the NE Corner of Section 31 (L-3) basis of bearing is the mean of the south Township line of which was set parallel with said line during the original survey. The meander lines of the left and right banks of the Missouri River were computed and adjusted according to the record. Government Lots 1, 2, 3 & 4 and the S2 of the NE4, are subject to erosion according to the provided Wenck OHWM. Accretions for Government Lots 5, 7 & 8 are calculated in accretion calculation #23.

SECTION 33

Four corners of this section were field recovered. The N-S quarter line was set from the SQ corner mean bearing of the east and west lines of the section. The E-W quarter line was set from the WQ and EQ corners. All 1/16 lines in of this Section were run at mean bearings. The meander corner on the west line was computed at single proportion. The meander corner on the north line was computed at GLO distance westerly from the NE Corner of Section 33 (L-7) basis of bearing is the mean of the south Township line of which was set parallel with said line during the original survey. The meander line of the right bank of the Missouri River was computed and adjusted according to the record. Government Lots 1, 2, 3 & 4 the S2 of the NW4 and the S2 of the NE4, are subject to erosion according to the provided Wenck OHWM. Accretions benefiting riparian owners of the left bank of the Missouri River in Section 28 are calculated in accretion calculation #28.

SECTION 34

Five corners of this section were field recovered. This section was not fractional at the time of the original survey and was subdivided according to the federal method for standard sections. No accretions are in this section. The NW4 of the NW4 is subject to erosion according to the provided Wenck OHWM. The center of section was found, however in speaking with the surveyor that set that corner he noted that the data available when the center of section was set was less than what has been recovered as part of this project. Therefore the center of section was calculated at the intersection of quarter lines.

SECTION 36

Four corners of this section were field recovered. The N-S quarter line was set between the NQ and SQ corners. The E-W quarter line was set between the EQ and WQ corners. All 1/16 lines in of this Section were run at mean bearings. The meander corner on the east line was computed at single proportion.

TWP 154 N, R 095 W

The meander corner on the north line was computed at GLO distance easterly from the NE Corner of Section 35 (L-11) basis of bearing is the south line of Section 36 which was set parallel with said line during the original survey. The meander line of the right bank of the Missouri River was computed and adjusted according to the record. Government Lots 1 & 2 are subject to erosion according to the provided Wenck OHWM.

TWP 154 N, R 096 W

PLSS CORNERS:

E-9 Found Original Stone and accessory rebar.

E-11 Found USACOE T-Post Corner Monument.

F-7 Found Original Stone and accessory rebar.

F-13 Found USACOE T-Post Corner Monument.

G-1 Found Witness Corners North and East, computed location at the intersection of the Witness corners from the distances provided.

G-2 Found 3 Ties North and East, computed location from the tie distances provided.

G-3 Found Iron Pin

G-4 Found Rebar

G-5 Found Original Stone and accessory rebar.

G-6 Computed at Single proportion holding the NE Corner of Section 20 (G-5) and the calculated NE Corner of Section 21 (G-7).

G-7 Computed at double proportion holding the EQ corner of Section 16 (F-7), the calculated NE Corner of Section 24 (G-13), the SE Corner of Section 33 (N-7) and the NE Corner of Section 20 (G-5).

G-11 Computed at double proportion holding the NE Corner of Section 14 (E-11), the calculated NE Corner of Section 24 (G-13), the SE Corner of Section 35 (N-11) and the NE Corner of Section 20 (G-5).

G-12 Computed at Single proportion holding the calculated NE Corner of Section 23 (G-11) and the calculated NE Corner of Section 24 (G-13).

G-13 Computed at Single proportion holding the EQ Corner of Section 13 (F-13) and the SE Corner of Section 36 (N-13).

H-1 Computed at Single proportion holding the calculated (from witness corners) NW Corner of Section 19 (G-1) and the WQ Corner of Section 31 (M-1).

H-3 Computed at Single proportion holding the NE Corner of Section 19 (G-3) and the calculated NE Corner of Section 30 (J-3).

H-5 Computed at Single proportion holding the NE Corner of Section 20 (G-5) and the calculated NE Corner of Section 29 (J-5).

H-7 Computed at Single proportion holding the calculated NE Corner of Section 20 (G-7) and the calculated NE Corner of Section 28 (J-7).

H-11 Computed at Single proportion holding the calculated NE Corner of Section 23 (G-11) and the calculated NE Corner of Section 26 (J-11).

H-13 Computed at Single proportion holding the EQ Corner of Section 13 (F-13) and the SE Corner of Section 36 (N-13).

J-1 Computed at Single proportion holding the calculated (from witness corners) NW Corner of Section 19 (G-1) and the WQ Corner of Section 31 (M-1).

J-2 Computed at Single proportion holding the calculated NW Corner of Section 30 (J-1) and the calculated NE Corner of Section 30 (J-3).

J-3 Computed at double proportion holding the NE corner of Section 19 (G-3), the calculated NE Corner of Section 25 (J-13), the NE Corner of Section 31 (L-3) and the calculated NW Corner of Section 30 (J-1).

J-4 Computed at Single proportion holding the calculated NE Corner of Section 30 (J-3) and the calculated NE Corner of Section 29 (J-5).

J-5 Computed at double proportion holding the NE corner of Section 20 (G-5), the calculated NE Corner of Section 25 (J-13), the EQ Corner of Section 32 (M-5) and the calculated NW Corner of Section 30 (J-1).

J-6 Computed at Single proportion holding the calculated NE Corner of Section 29 (J-5) and the calculated NE Corner of Section 28 (J-7).

J-7 Computed at double proportion holding the EQ corner of Section 16 (F-7), the calculated NE Corner of Section 25 (J-13), the SE Corner of Section 33 (N-7) and the calculated NW Corner of Section 30 (J-1).

J-8 Computed at Single proportion holding the calculated NE Corner of Section 28 (J-7) and the calculated NE Corner of Section 27 (J-9).

J-9 Computed at double proportion holding the NE corner of Section 15 (E-9), the calculated NE Corner of Section 25 (J-13), the SE Corner of Section 34 (N-9) and the calculated NW Corner of Section 30 (J-1).

J-10 Computed at Single proportion holding the calculated NE Corner of Section 27 (J-9) and the calculated NE Corner of Section 26 (J-11).

J-11 Computed at double proportion holding the NE corner of Section 14 (E-11), the calculated NE Corner of Section 25 (J-13), the SE Corner of Section 35 (N-11) and the calculated NW Corner of Section 30 (J-1).

J-12 Computed at Single proportion holding the calculated NE Corner of Section 26 (J-11) and the calculated NE Corner of Section 25 (J-13).

J-13 Computed at Single proportion holding the EQ Corner of Section 13 (F-13) and the SE Corner of Section 36 (N-13).

K-1 Computed at Single proportion holding the calculated (from witness corners) NW Corner of Section 19 (G-1) and the WQ Corner of Section 31 (M-1).

K-3 Not computed, not set in original survey.

K-5 Not computed, not set in original survey.

K-7 Computed at single proportion holding the calculated NE corner of Section 28 (J-7) and the calculated NE corner of Section 33 (L-7).

K-9 Computed at single proportion holding the calculated NE corner of Section 27 (J-9) and the calculated NE corner of Section 34 (L-9).

K-11 Computed at single proportion holding the calculated NE corner of Section 26 (J-11) and the calculated NE corner of Section 35 (L-11).

K-13 Computed at Single proportion holding the EQ Corner of Section 13 (F-13) and the SE Corner of Section 36 (N-13).

L-1 Computed at Single proportion holding the calculated (from witness corners) NW Corner of Section 19 (G-1) and the WQ Corner of Section 31 (M-1).

L-2 Computed at Single proportion holding the calculated NW Corner of Section 31 (L-1) and the calculated NE Corner of Section 31 (L-3).

L-3 Found BLM Brass Capped Monument, 1984.

L-4 Found Original Stone and accessory Rebar.

L-5 Computed at double proportion holding the NE corner of Section 20 (G-5), the calculated NE Corner of Section 35 (L-11), the EQ Corner of Section 32 (M-5) and the NQ Corner of Section 32 (L-4).

L-6 Computed at Single proportion holding the calculated NE Corner of Section 32 (L-5) and the calculated NE Corner of Section 33 (L-7).

L-7 Computed at double proportion holding the EQ corner of Section 16 (F-7), the calculated NE Corner of Section 35 (L-11), the SE Corner of Section 33 (N-7) and the NQ Corner of Section 32 (L-4).

L-8 Computed at Single proportion holding the calculated NE Corner of Section 33 (L-7) and the calculated NE Corner of Section 34 (L-9).

L-9 Computed at double proportion holding the NE corner of Section 15 (E-9), the calculated NE Corner of Section 35 (L-11), the SE Corner of Section 34 (N-9) and the NQ Corner of Section 32 (L-4).

L-10 Computed at Single proportion holding the calculated NE Corner of Section 34 (L-9) and the calculated NE Corner of Section 35 (L-11).

L-11 Compute at 3-point location holding GLO distance west to the NQ Corner of Section 32 (L-4) and proportionate measurement between the NE Corner of Section 14 (E-11) and the SE Corner of Section 35 (N-11).

L-12 Computed at GLO distance East from the NE corner of Section 35, bearing set parallel with the South line of Section 36 from the SE Corner of Section 35 (N-11) to the SE Corner of Section 36 (N-13).

L-13 Computed at Single proportion holding the EQ Corner of Section 13 (F-13) and the SE Corner of Section 36 (N-13).

M-1 Found BLM Brass Capped Monument, dated 1980.

M-3 Found USFS Brass Capped Monument, dated 1994.

M-5 Found Original Stone and accessory Aluminum Capped Rebar.

M-11 Computed at Single proportion holding the calculated NE Corner of Section 35 (L-11) and the SE Corner of Section 35 (N-11).

M-13 Computed at Single proportion holding the EQ Corner of Section 13 (F-13) and the SE Corner of Section 36 (N-13).

N-1 Found Aluminum Capped Rebar LS-2352.

N-2 Found BLM Aluminum Capped Monument, dated 1984.

N-3 Found USFS Brass Capped Monument, dated 1994.

N-4 Found USFS Brass Capped Monument, dated 1998.

N-5 Found USFS Brass Capped Monument, dated 1994.

N-6 Found Original Stone and accessory Aluminum Capped Rebar.

N-7 Found Original Stone and accessory Aluminum Capped Rebar.

N-9 Found Original Stone and accessory Aluminum Capped Rebar.

N-11 Found Aluminum Capped Rebar LS-4654.

N-12 Computed at Single proportion, adjusted to the chord latitude correction, holding the SE Corner of Section 35 (N-11) and the SE Corner of Section 36 (N-13).

N-13 Found BLM Aluminum Capped Monument, dated 1984.

SECTION 19

Three corners of this section were field recovered, two were recovered using witness corners or field ties. This section was not fractional at the time of the original survey and was subdivided according to the federal method for sections on the western tier of the township. No accretions are in this section. The southwest quarter is subject to erosion according to the provided Wenck OHWM.

SECTION 21

One corner of this section was field recovered. This section was not fractional at the time of the original survey and was subdivided according to the federal method for standard sections. No accretions are in this section. The southeast and southwest quarters are subject to erosion according to the provided Wenck OHWM.

SECTION 24

No corners of this section were field recovered. This section was not fractional at the time of the original survey and was subdivided according to the federal method for standard sections. No accretions are in this section. The southeast and southwest quarters are subject to erosion according to the provided Wenck OHWM.

SECTION 25

No corners of this section were field recovered. The N-S quarter line was set between the NQ and SQ corners. The E-W quarter line was not computed. All 1/16 lines in of this Section were run at mean bearings. The meander corners on the east and west lines were computed at single proportion. The meander corner on the south line was computed at GLO distance easterly from the NE Corner of Section 35 (L-11) basis of bearing is the south line of Section 36 which was set parallel with said line during the original survey. The meander lines of the left and right banks of the Missouri River was computed and adjusted according to the record. Government Lots 1, 2, 3 & 4 are subject to erosion according to the provided Wenck OHWM. Accretions for Government Lots 5 & 6 are calculated in Accretion calculation #23.

SECTION 26

No corners of this section were field recovered. The N-S quarter line was set between the NQ and SQ corners. The E-W quarter line was set between the EQ and WQ corners. All 1/16 lines in of this Section were run at mean bearings. The meander corners on the east and west lines were computed at single proportion. The meander lines of the left and right banks of the Missouri River was computed and adjusted according to the record. Government Lots 1, 2, 3, 4, 5 & 6 are subject to erosion according to the provided Wenck OHWM. Accretions for Government Lots 6, 7 & 8 are calculated in Accretion calculation #23.

SECTION 27

No corners of this section were field recovered. The N-S quarter line was set between the NQ and SQ corners. The E-W quarter line was set between the EQ and WQ corners. All 1/16 lines in of this Section were run at mean bearings. The meander corners on the east and west lines were computed at single proportion. The meander lines of the left and right banks of the Missouri River was computed and adjusted according to the record. Government Lots 1, 3, 4, 5, 6, 7 & 8 are subject to erosion according to the provided Wenck OHWM. Minor accretions for Government Lots 2 & 3 were calculated by property line extension.

SECTION 28

No corners of this section were field recovered. The N-S quarter line was set between the NQ and SQ corners. The E-W quarter line was not computed. All 1/16 lines in of this Section were run at mean bearings. The meander corners on the east and west lines were computed at single proportion. The meander lines of the left and right banks of the Missouri River was computed and adjusted according to

the record. Government Lots 1, 2, 3, 4, 5, 6, 7 & 8 and the NE4 of the NE4 are subject to erosion according to the provided Wenck OHWM. Accretion for Government Lot 5 is calculated in accretion calculation #24.

SECTION 29

Two corners of this section were field recovered. The N-S quarter line was set between the NQ and SQ corners. The E-W quarter line was not computed. All 1/16 lines in of this Section were run at mean bearings. The meander corners on the east and west lines were computed at single proportion. The meander lines of the left and right banks of the Missouri River was computed and adjusted according to the record. Government Lots 3, 4, 5 & 6 are subject to erosion according to the provided Wenck OHWM. Accretions for Government Lots 5, 6 & 7 are calculated in accretion calculation #24. Accretions for Government Lots 1, 2 & 4 are calculated in accretion calculation #25.

SECTION 30

One corner of this section was field recovered. The N-S quarter line was set between the NQ and SQ corners. The E-W quarter line was not computed. All 1/16 lines in of this Section were run at mean bearings. The meander corners on the east and west lines were computed at single proportion. The meander lines of the left and right banks of the Missouri River was computed and adjusted according to the record. Government Lots 1, 2, 3, 4, 5, 6, 7, 8 & 9 are subject to erosion according to the provided Wenck OHWM. No accretions exist in this section.

SECTION 31

Six corners of this section were field recovered. This section was not fractional at the time of the original survey and was subdivided according to the federal method for sections on the western tier of the township. No accretions are in this section. Government Lot 1 and the NE4 of the NW4 are subject to erosion according to the provided Wenck OHWM.

SECTION 36

Two corners of this section were field recovered. The N-S quarter line was set between the NQ and SQ corners. The E-W quarter line was set a mean bearing. All 1/16 lines in of this Section were run at mean bearings. The meander corner on the east line was computed at single proportion. The meander corner on the north line was computed at GLO distance easterly from the NE Corner of Section 35 (L-11) basis of bearing is the south line of Section 36 which was set parallel with said line during the original survey. The meander line of the right bank of the Missouri River was computed and adjusted according to the record. Accretions for Government Lots 1, 2 & 3 are calculated in Accretion calculation #23.

TWP 154 N, R 097 W

PLSS CORNERS:

E-9 Found 1” Iron Pipe.

G-1 Found Rebar, no cap.

G-3 Found Original Stone and accessory Aluminum Capped Rebar LS-2883.

G-4 Found Original Stone.

G-5 Found Original Stone.

G-6 Found Original Stone and accessory Aluminum Capped Rebar LS-3214.

G-7 Found Original Stone and accessory USCOE T-Post.

G-8 Calculated at Single proportion holding the NE Section 21 (G-7) and the calculated NE Corner of Section 22 (G-9).

G-9 Computed at a double proportionate location holding; the NE Corner of Section 15 (E-9); the NE Corner of Section 23 (G-11); the EQ Corner of Section 34 (M-9); and the NE Corner of Section 21 (G-7).

G-10 Calculated at Single proportion holding the calculated NE Corner of Section 22 (G-9) and the NE Corner of Section 23 (G-11).

G-11 Found #4 Rebar.

G-12 Found Aluminum Capped Rebar LS-10497 and concrete post.

G-13 Found Witness Corners North and East, computed location at the intersection of the Witness corners from the distances provided.

H-5 Calculated at Single proportion holding the NE Section 20 (G-5) and the calculated NE Corner of Section 29 (J-5).

H-11 Calculated at Single proportion holding the NE Section 23 (G-11) and the calculated NE Corner of Section 26 (J-11).

J-1 Found Original Stone and accessory Aluminum Capped Rebar LS-4654

J-2 Found USCOE T-Post.

J-3 Computed at a double proportionate location holding; the NE Corner of Section 19 (G-3); the NE Corner of Section 29 (J-5); the SE Corner of Section 31 (N-3); and the NQ Corner of Section 30 (J-2).

J-4 Calculated at Single proportion holding the calculated NE Section 30 (J-3) and the calculated NE Corner of Section 29 (J-5).

J-5 Computed at 3-point location holding GLO distance westerly to the NQ Corner Section 30 (J-2) and single proportion holding the NE Corner of Section 20(G-5) and the SE Corner of Section 32 (N-5).

J-6 Computed at GLO distance easterly from the NE Corner of Section 29 (J-5) basis of bearing is a calculated mean line of the south line of Township 154-97.

J-7 Computed at 3-point location holding GLO distance easterly to the NE Corner Section 25 (J-13) and single proportion holding the NE Corner of Section 21 (G-7) and the SE Corner of Section 33 (N-7).

J-8 Calculated at Single proportion holding the calculated NE Section 28 (J-7) and the calculated NE Corner of Section 27 (J-9).

J-9 Computed at a double proportionate location holding; the NE Corner of Section 15 (E-9); the NE Corner of Section 25 (J-13); the EQ Corner of Section 34 (M-9); and the NE Corner of Section 28 (J-7).

J-10 Calculated at Single proportion holding the calculated NE Section 27 (J-9) and the calculated NE Corner of Section 26 (J-11).

J-11 Computed at a double proportionate location holding; the NE Corner of Section 23 (G-11); the NE Corner of Section 25 (J-13); the SE Corner of Section 35 (N-11); and the NE Corner of Section 28 (J-7).

J-12 Calculated at Single proportion holding the calculated NE Section 26 (J-11) and the calculated NE Corner of Section 25 (J-13).

J-13 Computed at Single proportion holding the calculated (from witness corners) NE Corner of Section 24 (J-13) and the EQ Corner of Section 36 (M-13).

K-1 Not set in GLO Survey, computed at Single proportion holding the NW Corner of Section 30 (J-1) and the calculated SW Corner of Section 31 (N-1).

K-3 Computed at Single proportion holding the calculated NE Corner of Section 30 (J-3) and the calculated NE Corner of Section 31 (L-3).

K-5 Not set in GLO Survey, not computed.

K-7 Computed at Single proportion holding the calculated NE Corner of Section 28 (J-7) and the calculated NE Corner of Section 33 (L-7).

K-9 Computed at Single proportion holding the calculated NE Corner of Section 27 (J-9) and the calculated NE Corner of Section 34 (L-9).

K-11 Computed at Single proportion holding the calculated NE Corner of Section 26 (J-11) and the calculated NE Corner of Section 35 (L-11).

K-13 Computed at Single proportion holding the calculated (from witness corners) NE Corner of Section 24 (J-13) and the EQ Corner of Section 36 (M-13).

L-1 Not set in GLO Survey, computed at Single proportion holding the calculated NW Corner of Section 30 (J-1) and the calculated SW Corner of Section 31 (N-1).

L-2 Computed at GLO distance westerly from the NE Corner of Section 31 (L-3) basis of bearing is a calculated mean line of the south line of Township 154-97.

L-3 Computed at 3-point location holding GLO distance easterly to the NE Corner Section 36 (L-13) and single proportion holding the NE Corner of Section 19 (G-3) and the SE Corner of Section 31 (N-3).

L-4 Calculated at Single proportion holding the calculated NE Section 31 (L-3) and the calculated NE Corner of Section 32 (L-5).

L-5 Computed at a double proportionate location holding; the NE Corner of Section 20 (G-5); the NE Corner of Section 36 (L-13); the SE Corner of Section 32 (N-5); and the NE Corner of Section 31 (L-3).

L-6 Calculated at Single proportion holding the calculated NE Section 32 (L-5) and the calculated NE Corner of Section 33 (L-7).

L-7 Computed at a double proportionate location holding; the NE Corner of Section 21 (G-7); the NE Corner of Section 36 (L-13); the SE Corner of Section 33 (N-7); and the NE Corner of Section 31 (L-3).

L-8 Calculated at Single proportion holding the calculated NE Section 33 (L-7) and the calculated NE Corner of Section 34 (L-9).

L-9 Computed at a double proportionate location holding; the NE Corner of Section 15 (E-9); the NE Corner of Section 36 (L-13); the EQ Corner of Section 34 (M-9); and the NE Corner of Section 31 (L-3).

L-10 Calculated at Single proportion holding the calculated NE Section 34 (L-9) and the calculated NE Corner of Section 35 (L-11).

L-11 Computed at a double proportionate location holding; the NE Corner of Section 23 (G-11); the NE Corner of Section 36 (L-13); the SE Corner of Section 35 (N-11); and the NE Corner of Section 31 (L-3).

L-12 Calculated at Single proportion holding the calculated NE Section 35 (L-11) and the calculated NE Corner of Section 36 (L-13).

L-13 Computed at Single proportion holding the calculated (from witness corners) NE Corner of Section 24 (J-13) and the EQ Corner of Section 36 (M-13).

M-1 Not set in GLO Survey, computed at Single proportion holding the calculated NE Corner of Section 25 (J-13) and the calculated SE Corner of Section 36 (N-13).

M-3 Computed at Single proportion holding the calculated NE Corner of Section 31 (L-3) and the SE Corner of Section 31 (N-3).

M-5 Computed at Single proportion holding the calculated NE Corner of Section 32 (L-5) and the SE Corner of Section 32 (N-5).

M-7 Found Aluminum Capped USCOE Monument.

M-11 Computed at Single proportion holding the calculated NE Corner of Section 35 (L-11) and the calculated SE Corner of Section 35 (N-11).

M-13 Found BLM Brass Capped Monument, dated 1980.

N-1 Computed at a double proportionate location holding; the NE Corner of Section 25-154-98 being an Original Stone and Accessory Aluminum Capped Rebar LS 4654; the NW Corner of Section 5-153-97 Original Stone and Accessory Aluminum Capped Rebar LS 4654; the WQ Corner of Section 7-153-97 a recovered original stone with accessory rebar; and the NQ Corner of Section 2-153-98 an Original Stone and Accessory Aluminum Capped Rebar LS 4654.

N-2 Calculated at Single proportion and adjusted to the offset from the Chord holding the SW Section 31 (N-1) and the SE Corner of Section 31 (N-3).

N-3 Found Original Stone and accessory Aluminum Capped Rebar LS-4654.

N-4 Found Original Stone and accessory Aluminum Capped Rebar LS-4654.

N-5 Found Aluminum Capped USCOE Monument.

N-6 Found Aluminum Capped rebar.

N-7 Found Original Stone and accessory Rebar.

N-8 Found Original Stone and accessory Rebar.

N-9 Found 5/8" Rebar

N-10 Found Aluminum Capped rebar.

N-11 Calculated at Single proportion and adjusted to the offset from the Chord holding the SQ Section 35 (N-10) and the SQ Corner of Section 36 (N-12).

N-12 Found Aluminum Capped Rebar LS-2352.

N-13 Found Aluminum Capped Rebar LS-2352.

SECTION 21

Three corners of this section were field recovered, the EQ corner was not set in the original survey, however the original notes refer to 40 chains being on a sandbar therefore the midpoint of the east line has been held as the EQ corner. The N-S quarter line was set between the NQ and SQ corners and the E-W quarter line was set between the WQ and EQ corners terminating at the left bank of the Missouri River. All 1/16 lines in of this Section were run at mean bearings. The meander corner on the east line was computed at single proportion. The meander corner on the south line was computed at GLO distance easterly from the NE Corner of Section 29 (J-5) basis of bearing is a calculated mean line of the south line of Township 154-97. The meander line of the left bank of the Missouri River was computed and adjusted according to the record. Accretions for Government Lot 1, 2 & 3 are calculated in Accretion calculation #21.

SECTION 22

One corner of this section was field recovered, the EQ and WQ corners were not set in the original survey, and the E-W quarter line was not computed in the original survey although it may be established. The N-S quarter line was set between the NQ and SQ corners and terminated at the left and right banks of the Missouri River. All 1/16 lines in of this Section were run at mean bearings. The meander corners on the east, south and west lines were computed at single proportion. The meander lines of the left and right banks of the Missouri River was computed and adjusted according to the record. Accretions for Government Lot 1, 2 & 3 are calculated in Accretion calculation #21, the remainder of the section is subject to erosion according to the provided Wenck OHWM.

SECTION 23

One corner of this section was field recovered, the WQ corner was not set in the original survey, and the E-W quarter line was not computed in the original survey although it may be established. The N-S quarter line was set between the NQ and SQ corners and terminated at the left and right banks of the Missouri River. All 1/16 lines in of this Section were run at mean bearings. The meander corners on the east, south and west lines were computed at single proportion. The meander lines of the left and right banks of the Missouri River was computed and adjusted according to the record. Accretions for Government Lot 1, 2 & 3 are calculated in Accretion calculation #21. Accretions for Government Lot 7 are calculated in Accretion calculation #22. Government Lots 3, 4, 5, 6 & 7 and the SW4 of the SW4 are subject to erosion according to the provided Wenck OHWM.

SECTION 24

No corners of this section were field recovered. The N-S quarter line was set between the NQ and SQ corners. The E-W quarter line was set between the EQ and WQ corners. All 1/16 lines in of this Section were run at mean bearings. Meander corners on the south and west lines were computed at single proportion. The meander line of the left bank of the Missouri River was computed and adjusted according to the record. The NW4, NE4 of the SW4, SE4, NE4 and Government Lots 1 & 2 are subject to erosion according to the provided Wenck OHWM. Accretions for Government Lot 3 are calculated in Accretion calculation #22. No accretions calculated in this section.

SECTION 25

No corners of this section were field recovered. The N-S quarter line was set between the NQ and SQ corners and terminated at the right bank of the Missouri River. The E-W quarter line was set between the EQ and WQ corners and terminated at the right bank of the Missouri River. All 1/16 lines in of this Section were run at mean bearings. Meander corners on the north, west and east lines were computed at single proportion. The meander lines of the left and right banks of the Missouri River were computed and adjusted according to the record. The SW4 and Government Lots 1, 2, 3, 4, 5, 6 & 7 are subject to erosion according to the provided Wenck OHWM. Accretions for Government Lot 3 are calculated in Accretion calculation #22.

SECTION 26

No corners of this section were field recovered. The N-S quarter line was set between the NQ and SQ corners. The E-W quarter line was set between the EQ and WQ corners. All 1/16 lines in of this Section were run at mean bearings. Meander corners on the north and east lines were computed at single proportion. The meander line of the right bank of the Missouri River was computed and adjusted according to the record. The NW4 of the NW4 and the E2 of the SE4 are subject to erosion according to the provided Wenck OHWM. Accretions for Government Lot 1 are calculated in Accretion calculation #22.

SECTION 27

No corners of this section were field recovered. The N-S quarter line was set between the NQ and SQ corners and the E-W quarter line was set between the EQ and WQ corners. All 1/16 lines in of this Section were run at mean bearings. Meander corners on the north and west lines were computed at single proportion. The meander lines of the right bank of the Missouri River was computed and adjusted according to the record. The NW4, NE4 and the SW4 are subject to erosion according to the provided Wenck OHWM. No accretions calculated in this section.

SECTION 28

No corners of this section were field recovered, the WQ corner was not set in the original survey, however the original notes refer to 40 chains being on a sandbar therefore the midpoint of the west line has been held as the WQ corner. The N-S quarter line was set between the NQ and SQ corners and terminated at the left and right banks of the Missouri River. The E-W quarter line was set between the EQ and WQ corners and terminated at the right bank of the Missouri River. All 1/16 lines in of this Section were run at mean bearings. Meander corners on the east and west lines were computed at single proportion, while the meander corner on the north line was computed at GLO distance easterly from the NE Corner of Section 29 (J-5) basis of bearing is a calculated mean line of the south line of Township 154-97. The meander lines of the left and right banks of the Missouri River were computed and adjusted according to the record. The NW4 of the NW4, the E2 of the SE4 and Government Lots 1, 2, 3, 4 & 5 subject to erosion according to the provided Wenck OHWM. Accretions for Government Lots 7 & 8 are calculated in Accretion calculation #20. Accretions for Government Lot 1 are calculated in Accretion calculation #21.

SECTION 29

No corners of this section were field recovered, the EQ corner was not set in the original survey, however the original notes refer to 40 chains being on a sandbar therefore the midpoint of the east line has been held as the EQ corner. The N-S quarter line was set between the NQ and SQ corners and terminated at the left and right banks of the Missouri River. All 1/16 lines in of this Section were run at mean bearings. Meander corners on the east and west lines were computed at single proportion. The meander lines of the left and right banks of the Missouri River were computed and adjusted according to the record. The N2 of the NE4, the N2 of the NW4 and Government Lots 1, 2, 3 & 4 subject to erosion according to the provided Wenck OHWM. Accretions for Government Lot 5, 6, 7 & 8 are calculated in Accretion calculation #20.

SECTION 30

Two corners of this section were field recovered. The N-S quarter line was set between the NQ and SQ corners and terminated at the left bank of the Missouri River. The E-W quarter line was set between the

WQ and EQ corners but was terminated at the N-S quarter line. All 1/16 lines in the NE4 were run at mean bearings. The E-W 1/16 line of the NW4 was computed at mean bearing. The N-S 1/16 lines of the NW4 and SW4 were set parallel with the N-S quarter line at single proportion west of the NQ corner of this Section. Meander corners on the east and west lines were computed at single proportion, while the meander corner on the south line was computed at GLO distance westerly from the NE Corner of Section 31 (L-3) basis of bearing is a calculated mean line of the south line of Township 154-97. The meander lines of the left and right banks of the Missouri River were computed and adjusted according to the record. The N2 of the NE4, the SE4 of the NW4, Government Lots 2, 3, 4, 5, 6, 7 & 8 subject to erosion according to the provided Wenck OHWM. Accretions for Government Lot 8 are calculated in Accretion calculation #20.

SECTION 31

One corner of this section was field recovered. The N-S quarter line was set between the NQ and SQ corners. The E-W quarter line was set between the EQ and WQ corners. All 1/16 lines in the NE4 and SE4 were run at mean bearings. The E-W 1/16 lines of the NW4 and SW4 were run at mean bearing. The N-S 1/16 lines of the NW4 and SW4 were set parallel with the N-S quarter line at single proportion west of the SQ corner of this Section. Meander corner on the west line was computed at single proportion, while the meander corner on the north line was computed at GLO distance westerly from the NE Corner of Section 31 (L-3) basis of bearing is a calculated mean line of the south line of Township 154-97. The meander line of the right bank of the Missouri River was computed and adjusted according to the record. The NW4 of the NE4, Government Lots 1, 2 & 3 subject to erosion according to the provided Wenck OHWM.

SECTION 36

Two corners of this section were field recovered. This section was not fractional at the time of the original survey; therefore, it was subdivided using the federal method for standard sections. The NW4 and the NE4 subject to erosion according to the provided Wenck OHWM.

TWP 154 N, R 098 W

PLSS CORNERS:

J-11 Found Rebar, no cap in roadway

J-12 Calculated at Single proportion holding the NE Corner of Section 26 (J-11) and the NE Corner of Section 25 (J-13).

J-13 Found Original Stone and accessory Aluminum Capped Rebar LS-4654

K-11 Found #4 Rebar

K-13 Not set in GLO Survey, computed at Single proportion holding the calculated NE Corner of Section 25 (J-13) and the calculated SE Corner of Section 36 (N-13)

L-9 Found Original Stone and accessory Aluminum Capped Rebar LS-4654

L-10 Found Original Stone and accessory Aluminum Capped Rebar LS-4654

L-11 Found Original Stone and accessory Aluminum Capped Rebar LS-4654

L-12 Calculated at GLO distance "S 89d 59' E" bearing derived from 4 minutes deflection from average line of original stones recovered at the NE Corner of Section 34 (L-9), then NQ Corner of Section 35 (L-10) and the NE Corner of Section 35 (L-11).

L-13 Not set in GLO Survey, computed at Single proportion holding the calculated NE Corner of Section 25 (J-13) and the calculated SE Corner of Section 36 (N-13)

M-9 Found Original Stone and accessory Aluminum Capped Rebar LS-4654

M-11 Found Original Stone and pits and Set an Accessory Aluminum Capped Rebar LS-3214.

M-13 Not set in GLO Survey, computed at Single proportion holding the calculated NE Corner of Section 25 (J-13) and the calculated SE Corner of Section 36 (N-13).

N-9 Found Original Stone and Accessory Aluminum Capped Rebar LS 4654

N-10 Found Original Stone and Accessory Aluminum Capped Rebar LS 4654

N-11 Calculated at Single proportion and adjusted to the offset from the Chord holding the NQ Section 2 (N-10) and the Calculated NE Corner of Section 1 (N-13)

N-12 Calculated at Single proportion and adjusted to the offset from the Chord holding the NQ Section 2 (N-10) and the Calculated NE Corner of Section 1 (N-13)

N-13 Computed at a double proportionate location holding; the NE Corner of Section 25-154-98 being an Original Stone and Accessory Aluminum Capped Rebar LS 4654; the NW Corner of Section 5-153-97 Original Stone and Accessory Aluminum Capped Rebar LS 4654; the WQ Corner of Section 7-153-97 a recovered original stone with accessory rebar; and the NQ Corner of Section 2-153-98 an Original Stone and Accessory Aluminum Capped Rebar LS 4654.

SECTION 25

Four corners of this section were field recovered. This Section, although fractional at the time of the original survey, was broken using the federal method for standard sections since all corners were established in the original survey. The meander corners on the East and South lines were calculated by single proportionate measurement. No accretions exist in this section.

SECTION 35

Seven corners of this section were field recovered. This Section, although fractional at the time of the original survey, was broken using the federal method for standard sections since all corners were established in the original survey. The meander corners on the East and South lines were calculated by single proportionate measurement. Accretions along the left bank of the Missouri River for Government Lot 1 is part of Accretion Calculation #13 (proportionate shoreline).

SECTION 36

Two corners of this section were field recovered. This Section, although fractional at the time of the original survey, was broken using the federal method for standard sections since all corners were established in the original survey. The meander corners on the North, East, West and South lines were calculated by single proportionate measurement. No accretions exist in this section. All 1/4 and 1/16 lines were terminated at the left or right bank of the Missouri River as shown on the original GLO plat.

SECTION 31

No corner locations were field recovered in this section. The SW Corner common to TWPs 154-100, 153-100, 153-101 & 154-101 was computed at a double proportionate location holding; the NE Corner of Section 25-154-101 being a recovered #5 Rebar; the SQ Corner of Section 33-154-100 Corps of Engineers post; the Witness Corner to the NE Corner of Section 12-153-101 a recovered original stone with accessory rebar; and the SQ Corner of Section 32-154-101 recovered as a 2 1/2" Brass Capped Monument. The NW corner, meander corner and WQ corner were computed at single proportion, on the west township line holding the calculated Township corner and the aforesaid NE Corner of Section 25-154-101. The meander corner, SQ Corner and the SE corner of Section 31 were calculated along the south township line holding the aforesaid Township corner and the aforesaid SQ corner of Section 33-154-100. The NE Corner of Section 31 was then computed at lost double proportionate measurement holding the Calculated NW corner of Section 31; the EQ corner of Section 30, being a brass capped monument; the NE corner of Section 32, a recovered #4 Rebar; and the calculated SE corner of Section 31. The NQ & EQ corners were computed at single proportionate measurement between their respective corners. Subdivision of the section was completed per the federal method for fractional sections. The meander line of the left bank of the Missouri River was computed and adjusted according to the record. No accretions exist within this Section.

SECTION 30

The SE, SQ and SW corner's information can be found in the Section 31 narrative. The NW Corner was field recovered as a #5 rebar. The NE Corner was field recovered as well, it being a #4 Rebar. Also, the EQ Corner was field recovered, a brass capped monument. The NQ & WQ corners were computed at single proportionate measurement between their respective corners. Subdivision of the section was completed per the federal method for fractional sections. No meander lines of the Missouri River were completed as part of the original survey. No accretions exist within this Section.

G-9 Found PK nail.

G-10 Found PK nail.

G-11 Found 2” Aluminum Capped Monument LS-1241.

G-12 Found #4 Rebar.

G-13 Found Witness Corners South and West, calculated position.

H-9 Found #4 Rebar.

H-11 Calculated at Single proportion holding the NE Section 23 (G-11) and the calculated NE Corner of Section 26 (J-11).

H-13 Found 1.5” Brass Capped Monument.

J-9 Found 2.5” Aluminum Capped Monument LS-1222.

J-10 Calculated at GLO distance East, bearing based on monuments at NQ corner Section 27 to the NE corner of Section 27 (J-9).

J-11 Computed at a 3 point proportionate location holding; GLO distance from the NE Corner of Section 25 (J-13) and proportionate measurement between the NE Corner of Section 23 (G-11) and the SE Corner of Section 35 (N-11).

J-12 Calculated at Single proportion holding the calculated NE Section 26 (J-11) and the NE Corner of Section 25 (J-13).

J-13 Found #5 Rebar.

K-5 Found 3 1/4” Iron Pipe

K-9 Calculated at Single proportion holding the NE Section 27 (J-9) and the calculated NE Corner of Section 34 (L-9).

K-11 Not set in original survey not computed.

K-13 Calculated at Single proportion holding the NE Section 26 (J-13) and the calculated SE Corner of Section 36 (N-13).

L-1 Found Mag Nail.

L-2 Found 2” Aluminum Capped Monument LS-8088.

L-3 Found #5 Rebar.

L-4 Found 3 1/4” Aluminum Capped Monument BLM 1988.

L-5 Calculated at GLO, distance 2 point from the found NQ Corner Section 32 (L-4) and the found EQ Corner of Section 29 (K-5). GLO resurvey in the area completed for Section 29, dated April 1993.

L-6 Calculated at Single proportion holding the calculated NE Section 32 (L-5) and the calculated NE Corner of Section 33 (L-7).

L-7 Computed at a 3 point proportionate location holding; GLO distance from the NE Corner of Section 28 (J-7) and proportionate measurement between the calculated NE Corner of Section 32 (L-5) and the calculated NE Corner of Section 34 (L-9).

L-8 Calculated at Single proportion holding the calculated NE Section 33 (L-7) and the calculated NE Corner of Section 34 (L-9).

L-9 Calculated at GLO, distance 2 point from the found NE Corner Section 27 (J-9) and the calculated NE Corner of Section 32 (L-5). Lines East and south terminate on left bank of the Missouri River.

L-10 Not set in original survey not computed.

L-11 Computed at a 3 point proportionate location holding; GLO distance from the calculated NE Corner of Section 36 (L-13) and proportionate measurement between the calculated NE Corner of Section 23 (G-11) and the calculated SE Corner of Section 35 (N-11).

L-12 Calculated at Single proportion holding the calculated NE Section 35 (L-11) and the calculated NE Corner of Section 36 (L-13).

L-13 Calculated at Single proportion holding the NE Section 26 (J-13) and the calculated SE Corner of Section 36 (N-13).

M-1 Found 1/2” Rebar

M-3 Calculated at GLO distance South, bearing based on monuments at NE Corner of Section 30, EQ Corner of Section 30 and the NE corner of Section 31 (L-3).

M-5 Calculated at GLO distance South, bearing based on east line of Section 29, EQ Corner of Section 29 (K-5) and the NE corner of Section 32 (L-5).

M-7 Calculated at GLO distance South, bearing based on east line of Section 28, NE Corner of Section 28 (J-7) to the NE corner of Section 33 (L-7).

M-9 Calculated at GLO distance South, bearing based on east line of Section 27, NE Corner of Section 27 (J-9) to the NE corner of Section 34 (L-9).

M-11 Calculated at Single proportion holding the calculated NE Section 35 (L-11) and the calculated SE Corner of Section 35 (N-11).

M-13 Calculated at Single proportion holding the NE Section 26 (J-13) and the calculated SE Corner of Section 36 (N-13).

N-1 Found Original Stone & Aluminum Capped Rebar LS6261, 50018

N-2 Found a #4 Rebar, 60028

N-3 Calculated at Single proportion and adjusted to the offset from the Chord holding the NQ Section 6 (N-2) and the NQ Corner of Section 5 (N-4)

N-4 Found a 2 1/2” BLM Brass Cap, 60054

N-5 Calculated at Single proportion and adjusted to the offset from the Chord holding the SQ Section 32 (N-4) and the Calculated SE Corner of Section 36 (N-13)

N-6 Calculated at Single proportion and adjusted to the offset from the Chord holding the SQ Section 32 (N-4) and the Calculated SE Corner of Section 36 (N-13)

N-7 Calculated at Single proportion and adjusted to the offset from the Chord holding the SQ Section 32 (N-4) and the Calculated SE Corner of Section 36 (N-13)

N-8 Calculated at Single proportion and adjusted to the offset from the Chord holding the SQ Section 32 (N-4) and the Calculated SE Corner of Section 36 (N-13)

N-9 Calculated at Single proportion and adjusted to the offset from the Chord holding the SQ Section 32 (N-4) and the Calculated SE Corner of Section 36 (N-13)

N-10 Calculated at Single proportion and adjusted to the offset from the Chord holding the SQ Section 32 (N-4) and the Calculated SE Corner of Section 36 (N-13)

N-11 Calculated at Single proportion and adjusted to the offset from the Chord holding the SQ Section 32 (N-4) and the Calculated SE Corner of Section 36 (N-13)

N-12 Calculated at Single proportion and adjusted to the offset from the Chord holding the SQ Section 32 (N-4) and the Calculated SE Corner of Section 36 (N-13)

N-13 Computed at a double proportionate location holding; the NE Corner of Section 25-154-101 being a recovered #5 Rebar; the SQ Corner of Section 33-154-100 Corps of Engineers post; the Witness Corner to the NE Corner of Section 12-153-101 a recovered original stone with accessory rebar; and the SQ Corner of Section 32-154-101 recovered as a 2 1/2” Brass Capped Monument.

SECTION 23

Five section corners were recovered in this section. Since this section was fractional only near the SE corner, which was computed, the Section is broken as a typical section. The meander corner on the east line was computed at single proportion. The meander corner on the south line of the section Calculated at GLO distance East, bearing based on monuments at NQ corner Section 27 to the NE corner of Section 27. The meander lines of the left bank of the Missouri River was computed and adjusted according to the record. Government Lot 1 accretions are part of Accretion Calculation #19.

SECTION 24

Five section corners were recovered in this section. Since this section was fractional only near the SE corner, which was computed, the Section is broken as a typical section. The meanders on the east and south lines were computed at single proportion. The meander lines of the left bank of the Missouri River was computed and adjusted according to the record. Government Lot 1 accretions are part of Accretion Calculation #19.

SECTION 25

One corner of this Section was recovered. The N-S quarter line was set between the NQ and SQ corners and terminated on the left and right banks of the Missouri River. The E-W quarter line was computed at mean bearing of the north and south lines of the section and set from the EQ Corner and terminated at the left bank of the Missouri River. The north line of Government Lot 3 was set at mid-point between the NE and EQ corners mean bearing of the E-W quarter line and the north line of the Section. The 1/16th line common to Lots 4 & 5 was set at mid-point between the EQ and SE corners of the Section at mean bearing of the E-W quarter line and the south line of the Section. All other 1/16 lines were computed at mean bearings. A supplemental plat for this section was completed by the GLO, dated April 16, 1915 dividing Government Lot 2 into Government Lots 10 & 11. This division line was computed from the mid-point between the NQ corner and the East 1/16 corner of Sections 24 & 25 and its bearing based on mean bearing of the N-S quarter line and the line common to Government Lot 2 and the NE4 of the NE4 of this section. Meander corners on the North, South and West lines were computed at single proportionate measurement. The meander lines of the left & right banks of the Missouri River were computed and adjusted according to the record. Part of this section is affected by the accretions from adjacent sections and are part of Accretion Calculation #19. In reviewing the U.S. Army Corps of Engineers Segment map in this area a levee is shown which still exists today. It is not known when the levee was built, this data may be available, however the exact location of the OHWM of the river at the time the levee was constructed is not known. Therefore, in our survey, we do not assume that the levee changed the location of the river by artificial means. Thus, all accretions on the left bank were completed as if it were cause by natural means, to the riparian owners of the left bank at the time of the original survey. Additionally, the minimal accretion along the south line, of this section, is placed with Government Lot 9 using property line extension method. From the evidence the river has moved easterly therefore the accretion is placed with the westerly bank, or right bank, riparian owner.

SECTION 26

One corner of this Section was field recovered. The EQ and SQ corners of this section were not set in the original GLO survey. The N-S quarter line was set at mean bearing of the East and West Section lines. The E-W quarter line was set at mean bearing of the South and north section lines west of the Missouri River. All 1/16th lines west of the Missouri River were computed at mean bearings. The 1/16 common to Government Lot 6 and the SE4 of the SE4 was set parallel with the south line of the section lying east of the Missouri River. The 1/16th line common to Government Lot 5 and the SE4 of the SE4 is set parallel with the east section line. The meander corner on the east line was computed at single proportion. The meander corner on the north line of the section Calculated at GLO distance East, bearing based on monuments at NQ corner Section 27 to the NE corner of Section 27. Meander corner on the south line and the right bank of the Missouri River was computed but the computed and adjusted meander line of the right bank between Section 26 and Section 35. The GLO distance and the computed location of the meander line vary by approximately 420 feet, however the computed and adjusted meander line fits very well with meanders upstream and downstream, therefore the location according to the meander line was held and the south line of Section 26 east of the Missouri River computed form the calculated meander to the SE corner of the section. The meander corner on the south line of Section 26 and the left bank of the Missouri River was computed at GLO distance East, bearing was based on the computed

north line of Section 33 which shares the same bearing according to the GLO plat. The meander line of the left bank of the Missouri River was computed and adjusted according to the record. Accretions for Government Lots 1, 2, 3 & 4 were computed using proportionate shoreline method and are part of Accretion Calculation #19.

SECTION 31

Six corners of this section were field recovered, all corners established in the GLO survey, however the east line was not run in its entirety. Additionally, this section has the Old Fort Buford Reservation line crossing the section North and south in its western tier, this is the most senior line of the section, however no mile posts or any other evidence of this line was recovered in field surveys. This section was subdivided on two different occasion areas East of the Reservation line were completed in 1892 while areas West of the Reservation line were completed in 1901. However, the E-W quarter line is shown to be computed in the 1901 survey by the federal method (connecting EQ to WQ) therefore the E-W quarter line was computed as a straight line between the EQ and WQ corners of the Section. The N-S quarter line was computed between the NQ and SQ corners. The Old Fort Buford Reservation line was computed at single proportion on the North and South lines according to the distances returned on the 1901 survey. Government Lines or 1/16th lines west of the Reservation lines were computed at mean bearings West to East and Terminated at the Old Fort Buford Reservation line. All 1/16 lines East of the Old Fort Buford Reservation line also were computed at mean bearings, with the exception of the E-W 1/16th line of the SE4 of the section which was computed from the midpoint of the west line of the SE4 to a point 1320' south of the calculated EQ corner on the east line of the SE4. The meander corner on the East line of the Section was calculated at GLO distance South, bearing based on monuments at NE Corner of Section 30, EQ Corner of Section 30 and the NE corner of Section 31 (L-3). The meander corner on the south line was computed at single proportionate measurement. The meander line of the left bank of the Missouri River was computed and adjusted according to the record. Government Lots 5 & 6 subject to erosion according to the provided Wenck OHWM.

SECTION 32

Three corners of this section were field recovered, all corners established in the GLO survey, however the east and west lines were not run in their entirety. The N-S quarter line was computed from between the NQ and SQ corners and terminated at the left bank of the Missouri River, as meandered. The 1/16 lines of the section were computed at mean bearings. The meander corner on the West line of the Section was calculated at GLO distance South, bearing based on monuments at NE Corner of Section 30, EQ Corner of Section 30 and the NE corner of Section 31 (L-3). The meander corner of the left bank on the East line of the Section was calculated at GLO distance South, bearing based on the EQ Corner of Section 29 and the NE corner of Section 32. While the meander corner of the right bank on the East line was computed by the adjusted meander line to corners upstream and downstream. The meander corner on the south line was computed at single proportionate measurement. The meander line of the left and right banks of the Missouri River were computed and adjusted according to the record. Government Lots 1, 2 3 & 4 and portions of the NE4 and NW4 subject to erosion according to the provided Wenck

OHWM. Accretion area for Government Lot 5 was computed using proportionate shoreline method and is part of Accretion Calculation #5.

SECTION 33

No corners of this section were field recovered, the east and west lines were not run in their entirety in the original survey nor was the SQ corner set or established. The N-S quarter line was computed by weighted mean bearing of the east and west section lines as computed beginning at the NQ corner and terminated at the left bank of the Missouri River, as meandered. The E-W quarter line was set between the EQ and WQ corners. The 1/16 lines of the section were computed at mean bearings except for the line common to Government Lot 4 and the NE4 of the SE4 which was calculated 1320' feet south of the E-W quarter line and run parallel with the E-W quarter line terminating at the east line of Government Lot 3. The meander corner of the left bank on the West line of the Section was calculated at GLO distance South, bearing based on the EQ Corner of Section 29 and the NE corner of Section 32. While the meander corner of the right bank on the West line was computed by the adjusted meander line to corners upstream and downstream. The meander corner on the East line of the Section was calculated at GLO distance South, bearing based on the NE Corner of Section 28 and the NE corner of Section 33. The meander corner on the south line was computed at single proportionate measurement. The meander line of the left and right banks of the Missouri River were computed and adjusted according to the record. Nearly all portions of this section are subject to erosion according to the provided Wenck OHWM. Accretion area for Government Lot 5 was computed using proportionate shoreline method and is part of Accretion Calculation #5. Accreted lands from sections to the south affect this section and are also part of Accretion Calculation #5.

SECTION 34

No corners of this section were field recovered, the east and west lines were not run in their entirety in the original survey nor was the SQ corner set or established. The N-S quarter line was computed by weighted mean bearing of the east and west section lines as computed beginning at the NQ corner and terminated at the left bank of the Missouri River, as meandered. The E-W quarter line was set between the EQ and WQ corners. The 1/16 lines of the section were computed at mean bearings except for the E-W 1/16th lines of the SW4 and SE4 which was calculated 1320' feet south of the E-W quarter line and run parallel with the E-W quarter line terminating at the west line of Government Lot 4. The meander corner on the West line of the Section was calculated at GLO distance South, bearing based on the NE Corner of Section 28 and the NE corner of Section 33. The meander corner on the East line was computed at GLO distance south, bearing based on east line of Section 27, NE Corner of Section 27 (J-9) to the NE corner of Section 34 (L-9). The meander line of the left bank of the Missouri River were computed and adjusted according to the record. Nearly all portions of this section are subject to erosion according to the provided Wenck OHWM. Accreted lands from sections to the south affect this section and are part of Accretion Calculation #5.

SECTION 35

No corners of this section were field recovered, the east and north lines were not run in their entirety in the original survey nor was the NQ corner set or established in the original survey. The N-S quarter line was computed by weighted mean bearing of the east and west section lines as computed beginning at the SQ corner and terminated at the right bank of the Missouri River, as meandered. The E-W quarter line was set from the EQ corner to the WQ corner but is terminated at the right bank of the Missouri River. The 1/16 lines of the section were computed at mean bearings except for the 1/16th line common to Government Lot 3 and the SE4 of the SE4, which was calculated 1320' feet west of the N-S quarter line and run parallel with the N-S quarter line terminating at the south line of Government Lot 4. The meander corner on the West line of the Section was calculated at GLO distance South, bearing based on east line of Section 27, NE Corner of Section 27 (J-9) to the NE corner of Section 34 (L-9). The meander corner on the South line was computed at single proportionate measurement. Meander corner on the south line and the right bank of the Missouri River was computed but the computed and adjusted meander line of the right bank between Section 26 and Section 35. The GLO distance and the computed location of the meander line vary by approximately 420 feet, however the computed and adjusted meander line fits very well with meanders upstream and downstream, therefore the location according to the meander line was held and the south line of Section 26 east of the Missouri River computed form the calculated meander to the SE corner of the section. The meander corner on the south line of Section 26 and the left bank of the Missouri River was computed at GLO distance East, bearing was based on the computed north line of Section 33 which shares the same bearing according to the GLO plat. The meander line of the left bank and right bank of the Missouri River were computed and adjusted according to the record. Nearly all portions of this section are subject to erosion according to the provided Wenck OHWM. Accreted lands for Government Lots 1 & 2 as well as accretions from sections to the north affect this section and are part of Accretion Calculation #19.

SECTION 36

No corner locations were field recovered in this section. Only the EQ corner was not established during the original survey, however the location is calculated, since distances are provided around the entirety of the section. The N-S quarter line was set between the NQ and SQ corners. The E-W quarter line was run between the EQ and WQ corners and terminated at the right bank of the Missouri River. Meander corners on the North, East and South lines were computed by single proportion. The meander lines of the left and right banks of the Missouri River were computed and adjusted according to the record. Much of this section is subject to erosion according to the provided Wenck OHWM. Accretions for Government Lots 1 & 2 were computed by property line extension the geometry of the OHWM in this area does not make it practical to divide accretions by proportionate shoreline method nor the perpendicular method.

COORDINATE LIST

Point Name	Northing	Easting	Feature Code
102	440086.446	1400620.306	NWSEC 7-154-94 FND RB
106	429537.487	1400269.422	NWCOR 19-154-94 T-POST FND STN
112	437285.924	1405725.812	EQCOR 7-154-94 W/RB FND STN
147	434728.459	1403021.535	NQCOR 18-154-94 W/RB
733	396466.201	1156597.818	NESEC 32-153-102 CONC MONUMENT
734	393829.187	1156485.415	WQCOR 33-153-102 REBAR
736	390954.519	1161642.584	SESEC 33-153-102 I-PIPE/REBAR
737	391075.083	1159010.14	SQCOR 33-153-102 BLM CAP
876	366167.03	1459471.114	E1-4 16 GLO CAP
973	366228.231	1456829.335	C1-4 16 GLO CAP
992	363601.771	1456771.602	SQCOR*16 GLO BRASS BAP
1489	366287.506	1454205.588	W1-4 16 GLO CAP
1490	363661.722	1454124.249	SWSEC*16 GLO CAP
1554	416633.081	1389345.836	WQCOR 35-153-95
1560	415856.547	1393292.187	PCR 164TH COR T-PIN USCOE
1577	415895.558	1391968.575	PCR COE T-PIN USCOE
1579	414153.507	1383977.401	SWSEC 34 BLM AC 1984 T154R95
1580	416786.016	1384063.274	WQCOR*34 IRON PIN T154R95
1581	414073.922	1386624.598	SQCOR*34 0S REBAR T154R95
1582	413994.866	1389263.182	SESEC 34BLM AC1984 T154R95
1583	415546.008	1389311.689	PCR COE T-PIN USCOE
1585	415313.9	1389304.339	PCR COE T-PIN X-6 USCOE
1961	400385.375	1188432.513	SWSEC*21-153-101 OS REBAR
2026	414552.685	1370810.735	NQCOR 6-153-95 OS CAP 3592
2058	369069.095	1448984.781	NWSEC 17 152 93 GLO BC
2059	368998.356	1451622.502	NQCOR 17 152 93 GLO BC
2090	414232.647	1381346.831	NQCOR 4-T153-R95 T-PIN USCOE
2091	414312.326	1378714.127	NWSEC*4-T153-R95 OS IP
2393	410274.107	1204697.879	NESEC*14-153-101 REBAR
2396	410500.967	1199424.849	NWSEC*14-153-101 OS REBAR AND CAP
2397	415221.346	1204894.429	WCCOR*11-153-101 OS & REBAR
2441	415007.453	1357682.69	NESEC*3-153-96 MOS SET 3496
2442	412575.996	1352330.612	WQCOR*3-153-96 OS MOS SET 3496
2443	415191.987	1352424.734	NWSEC*3-153-96 OS MOS SET 3496
2960	432473.562	1389828.91	EQCOR 15-154-95 OS REBAR
3127	373903.127	1475514.777	SWSEC 6-152-92 IP
3366	414632.364	1368217.22	NWSEC 6-153-95 BLM AL
3370	429997.585	1384468.852	SWSEC 15-154-95 OS
3407	415472.925	1384020.009	16COR 34-154T-95R CAP T-PIN USCOE X 10
3436	414473.238	1373440.111	SWSEC*32-154-95 BLM BC
3619	357929.375	1472452.363	NQCOR*25-152-993 BC FND
3620	357995.564	1469821.55	NWSEC*25-152-993 BC FND
3665	410921.928	1188850.48	NWSEC*16-153-101 1.5" IRON PIPE/COPPER CAP
3667	408283.856	1188744.144	WQCOR*16-153-101 1.5" IRON PIPE/BRASS CAP
3673	405766.019	1185999.39	SQCOR*17-153-101 1.5" IRON PIPE
3678	408061.054	1194042.041	EQCOR*16-153-101 5/8" REBAR/CAP 3592
3696	410594.234	1196792.225	SQCOR*10-153-101 O/S REBAR/CAP
4009	414352.427	1377396.035	16COR GOV BOUNDRY CAP
4029	358254.19	1459267.026	NWSEC*27 152 93 2 POINT CONTROL
4062	363267.45	1469961.528	SWSEC*13 152 93 GLO CAP
4063	363336.872	1467334.243	SQCOR*14 152 93 GLO CAP
4064	358126.319	1464539.212	SWSEC*23 152 93 TBAR
4065	360110.098	1464590.439	SPOT*1/16 CORNER TBAR
4066	363531.066	1459403.393	SESEC*16 GLO BRASS CAP
4115	415551.825	1381388.987	PRC cor T-PIN
4252	363202.379	1472597.007	NQCOR*24 152 93 COE MON
4521	391750.991	1425542.57	NESEC 26-153-94 OS LS 3366
4524	380947.125	1433701.183	NESEC*3-152-94 OS LS 3366

Point Name	Northing	Easting	Feature Code
4526	380791.676	1438967.732	NESEC 2-152-94 OS LS 3366
5412	411871.684	1457755.846	SWSEC*36-154-93 FND INTERSTATE ENG CAP
5445	412036.752	1452478.479	SESEC*34-154-93 MR
5447	412196.167	1447201.998	SWSEC*34-154-93 AL CAP FND
5573	379725.973	1475674.731	NESEC 1-152-93 Bathay Corps Boundary
5574	374717.023	1446500.611	SQCOR 6 OS T-PIN USCOE
5859	419941.472	1226161.504	NESEC 4-154-101 CAL CHK
5883	407109.416	1441773.987	NWSEC 9-153-93 OS PLS5771 AC
5884	406938.086	1447056.88	NESEC 9-153-93 REBAR KLJ CAP ?
5887	401660.073	1446917.682	SESEC*9-153-93 1
5890	398869.919	1452125.104	WQCOR*14-153-93 IP1241 YPC BENT
5892	396306.635	1449412.262	NQCOR*SEC 22 153-93 OS 3214AC MOS
5893	396232.469	1452055.692	NESEC*22-153-93 STONE 1/2
5897	393591.248	1451985.158	WQCOR*23 -153-93 STONE
5899	407024.293	1444415.377	NQCOR 9-153-93 REBAR
5962	422138.547	1173533.417	SESEC 35-154-102 FD 5/8 RB
5963	424775.217	1173642.741	EQCOR*35-154-102 FD RB&AC
5982	429656.773	1179125.363	WQCOR*30-154-101 1/2" REBAR
5987	424376.12	1178901.366	WQCOR*31-154-101 1/2" REBAR
5991	427189.949	1179021.213	NESEC*36-154-102 REBAR/CAP 1195
5993	424553.182	1178908.867	EQCOR*36-154-102 REBAR/CAP 1195
5994	421916.76	1178796.791	SESEC 36-154-102 O/S REBAR
6208	427300.915	1176386.724	NQCOR*36-154-102 LS AC
6216	422027.29	1176164.389	SQCOR*36-154-102 LS AC
6762	388986.772	1208857.577	NESEC 4C.C.-152-101 O/S REBAR/CAP
6764	394220.866	1209326.313	NESEC 36-153-101 O/S REBAR/CAP 3592
6771	388657.704	1216998.967	SQCOR*32-153-100 USACE DD-32-1
6904	402417.639	1270281.757	SQCOR 13 153 99 OS 5999
6907	399865.275	1267552.581	WQCOR 24 153 99 4IN COE CAP
7080	393186.298	1304162.257	WQCOR*30-153-97-OS/RB
7083	398466.854	1304351.069	WQCOR*19-153-97-RLS 2352
7084	395826.399	1304256.544	NWSEC*30-153-97-SET YPC 1241
7131	386478.882	1272328.023	SESEC*36-153-99 SC 2999 AC
7137	386603.5	1269101.512	NQCOR*4-152-99 4 IN COE AC
7145	380625.059	1263623.234	SQCOR*5-152-99 OS 2352 AC
7147	375559.587	1258181.627	SQCOR 7-152-99 OS 5999 AC
7157	380731.673	1260998.504	SWSEC 5-152-99 OS REBAR
7161	383362.397	1261093.718	WQCOR 5-152-99 OS REBAR
7167	386501.538	1271742.411	NESEC*4 152 99 CC CALC
7169	386705.456	1266460.615	NESEC*5 152 99 CC CALC
7185	402694.959	1262383.988	SESEC 15-153-199 OS REBAR CHK
7218	403274.87	1246631.491	GPS 20-153-99 KLJ AC
7297	392773.392	1246168.063	SWSEC 29-153-99 OS 5/8 REBAR CHK
7303	397936.559	1248980.467	NQCOR 29-153-99 OS 5/8 REBAR CHK
7421	360694.577	1233970.23	NWSEC 33-152-100 OS
7734	401107.802	1304445.706	NWSEC*19-153-97 COE AC
7735	395928.052	1301621.115	NQCOR*25-153-98 COE AC
7736	393392.144	1298892.616	WQCOR*25-153-98 OS 5/8 REBAR
7737	388319.667	1293458.473	WQCOR*35-153-98 OS MOS 5/8 REBAR
7738	385877.974	1288117.576	SWSEC*34-153-98 OS LS3287YPC TPOST
7972	437427.498	1321481.817	NWSEC 15-154-97-
7974	437331.598	1324118.083	NQCOR*15-154-97-OS/
9592	399453.23	1209537.614	NESEC 25-153-101 O/S W/NO 4 REBAR NO CAP
9689	411163.132	1183569.658	NWSEC*17-153-101-BC
9692	411042.02	1186210.008	NQCOR*17-153-101-BC
9694	403008.31	1188534.948	EQCOR*20-153-101-IRON PIPE-NO CAP
9925	386400.164	1274374.927	NQCOR*3-152-99 4IN USCORPS AC AA 3-5
9931	386076.912	1282854.059	SESEC*2-153-98 LS2352 AC
9936	386377.74	1274959.351	SQCOR*31-153-98 COE AC

Point Name	Northing	Easting	Feature Code
9937	386277.083	1277590.862	SESEC*31-153-98 3214AC
9977	374787.214	1444072.925	NESEC 12-152-94 OS AC RLS3366 MOS
10000	388868.581	1211757.464	OS
11229	363269.606	1469962.708	NWSEC*24 152 93 GLOBC
11230	363201.855	1472595.641	NQCOR*24 152 93 COE AC
11280	412355.004	1441915.253	SESEC*32-154-93 OS REBAR
11392	391167.651	1177451.376	GPS 36-153-102 PPC CP
11516	390290.194	1177482.415	CLCOR NESEC 4-152-102 YPC ILLEGIBLE
11528	390735.818	1166945.982	NWSEC 5-152-102 REBAR
11530	390618.646	1169578.766	NQCOR 5-152-102 REBAR
12350	390291.295	1177458.648	SWSEC 31-153-101 TPOST
12353	395446.851	1180309.184	NQCOR*31-153-101 OS / AC TS 2884 ON SW SIDE
12355	395553.522	1177678.895	NESEC 36-153-102 OS / REBAR
12356	395341.842	1182940.548	NESEC*31-153-101 OS / PPC ON S SIDE YPC ON E SIDE
12357	397975.998	1183044.804	EQCOR*30-153-101 AC
12358	400611.592	1183150.859	NESEC 30-153-101 OS / LS1130 CAP ON N SIDE TPOST ON S SIDE
12359	395779.395	1172417.559	NESEC*35-153-102 AC INTERSTATE LS2884
12360	400827.901	1177902.425	NESEC 25-153-102 BRASS CAP BLM
12361	403463.977	1178014.606	EQCOR 24-153-102 BRASS CAP
12362	406101.633	1178127.17	NESEC 24-153-102 REBAR
12363	406211.876	1175488.496	NQCOR 24-153-102 AC ILLEGIBLE
12364	406323.849	1172853.591	NESEC 23-153-102 REBAR
12365	401049.3	1172621.982	NESEC 26-153-102 SQUARE IRON PIN
12366	400936.927	1175264.227	NQCOR 25-153-102 AC KLJ LS3496
12367	406427.141	1170215.176	NQCOR 23-153-102 REBAR
12368	406762.283	1162302.926	NESEC 21-153-102 SQUARE PIN
12371	406646.349	1164938.43	NQCOR 22-153-102 REBAR
12372	406531.069	1167578.29	NESEC 22-153-102 AC KLJ LS8732
12373	408967.973	1172966.379	EQCOR*14-153-102 CONCRETE MON 4"X4"
12375	403686.088	1172737.868	EQCOR 23-153-102 CONCRETE MON
12391	390400.849	1174825.381	SQCOR 36-153-102 AC KLJ LS8732
12392	411613.425	1173082.655	NESEC*14-153-102 OS / AC ON S SIDE
13473	414649.078	1225949.115	WTCOR 10-153-100 OS CHK
13474	412017.17	1225842.805	WQCOR 10-153-100 REBAR CHK
15000	414441.062	1167918.776	WQCOR 11-152-102 OS TIPPED/SHOT CAP 3592
15001	411801.133	1167807.118	SWSEC 11-152-102 IP FND
15002	416867.014	1173307.92	SWSEC 6-152-102 IP
15003	416760.824	1175943.435	SQCOR6-152-102OS/IP
15011	406786.529	1183395.479	MC*18/17-153-101 BRASS CAP 1941
15013	405846.522	1184118.15	MC*17/20-153-101 BENT IRON PIPE/T POST
15014	401041.323	1183167.178	MC 17/18-153-101 BRASS CAP 1941
15023	386682.11	1267065.287	SWSEC*36-153-99 OS 2352 AC SC
15024	386478.934	1272327.87	SESEC*36-153-99 SC 2999 AC
15025	386400.164	1274374.927	NQCOR*3-152-99 4IN USCORPS AC AA 3-5
15026	382927.26	1271591.571	EQCOR*4-152-99 OS RB
15027	380292.401	1271490.108	NESEC*9-152-99 2352 AC
15028	380133.109	1274117.427	SQCOR*3-152-99 OS 5/8 REBAR
15029	382712.899	1276855.588	EQCOR*3-152-99 OS 5/8 REBAR
15030	380080.514	1276765.05	SESEC*3-152-99 MOS 5/8 REBAR
15031	377657.739	1271405.942	EQCOR*9-152-99 OS 5999AC
15032	377443.492	1276675.755	EQCOR*10-152-99 OS AC REBAR
15033	374807.911	1276585.945	SESEC*10-152-99 LS 3366 AC REBAR
15034	375021.268	1271314.247	SESEC*9-152-99 OS 3541YPC
15036	379850.207	1282036.65	SWSEC*1-152-99 AC LS 3366
15037	382091.922	1292423.479	EQCOR*6-152-98 OS / YPC 1241 ON W SIDE
15038	385877.957	1288117.468	SWSEC*34-153-98 OS / YPC LS3287 /
15039	385897.689	1287535.851	NWSEC*6-152-98 OS / REBAR ON N SIDE
15040	385977.211	1285486.17	SQCOR*33-153-98 AC LS2352 INTERSTATE ENG
15041	386076.817	1282854.255	SWSEC*33-153-98 REBAR
15042	385778.239	1290752.432	SQCOR*34-153-98 OS/REBAR ON N SIDE
15043	385683.028	1293364.495	SESEC*34-153-98 OS/REBAR ON N SIDE
15044	385717.067	1292540.315	NESEC*6-152-98 OS/YPC 1241 ON S SIDE
15045	379466.705	1292332.031	NESEC*7-152-98 OS8 REBAR
15046	374189.782	1292170.361	SESEC*7-152-98 OS / AC ON W SIDE
15047	374292.061	1289530.211	SQCOR*7-152-98 OS/YPC 1241 ON NW SIDE
15048	374382.934	1287136.092	SWSEC*7-152-98 OS/AC HORGAN ON N SIDE
15049	374482.802	1284496.21	SQCOR*12-152-99 OS/REBAR ON N SIDE
15050	377014.372	1287227.789	EQCOR*12-152-99 OS/YPC 1241 ON W SIDE
15051	379749.106	1284677.157	NQCOR*12-152-99 OS/REBAR
15052	379850.226	1282036.741	NWSEC*12-152-99 AC LS3366
15053	379858.847	1282036.904	NWSEC*12-152-99 AC LS2352 INTERSTATE ENG
15054	374585.66	1281851.25	SWSEC*12-152-99 OS / AC LS3366
15055	377214.345	1281942.991	WQCOR*12-152-99 OS / AC LS3366
15056	382486.356	1282134.366	WQCOR*1-152-99 REBAR
15057	386176.786	1280222.584	SQCOR*32-153-98 AC 4
15058	386099.11	1282268.599	NWSEC*1-152-99 REBAR
15059	382276.953	1287410.481	EQCOR*1-152-99 OS/YPC1241 ON W SIDE
15060	379643.525	1287318.534	SESEC*1-152-99 OS/YPC1241 ON W SIDE
15061	374189.785	1292170.358	CHK*7-152-98 OS8 REBAR
15062	374292.058	1289530.211	CHK*7-152-98 OS/YPC 1241 ON NW SIDE
15063	374382.938	1287136.092	CHK*7-152-98 OS/AC HORGAN ON N SIDE
15064	374482.856	1284496.203	CHK*12-152-99 OS/REBAR ON N SIDE
15065	377014.286	1287227.772	CHK*12-152-99 OS/YPC 1241 ON W SIDE
15066	379850.208	1282036.74	CHK*12-152-99 AC LS3366
15067	379858.85	1282036.903	CHK*12-152-99 AC LS2352 INTERSTATE ENG
15068	374585.65	1281851.253	CHK*12-152-99 OS / AC LS3366
15069	377214.356	1281942.994	CHK*12-152-99 OS / AC LS3366
15070	379643.515	1287318.536	CHK*1-152-99 OS/YPC1241 ON W SIDE
15071	374482.847	1284496.213	CHK*12-152-99 OS/REBAR ON N SIDE
15076	407289.147	1280924.32	NQCOR 17-153-98 OS LS 2999
15077	407192.382	1283558.938	NESEC 17-153-98 LS 2999
15078	404557.831	1283479.845	EQCOR 17-153-98 OS LS 2999
15079	401923.322	1283379.625	SESEC 17-153-98 OS REBAR
15080	399281.494	1283286.38	EQCOR 20-153-98 LS 2352
15081	402020.172	1280742.651	SQCOR 17-153-98 OS REBAR
15082	402110.981	1278111.07	SESEC 18-153-98 REBAR
15083	399474.476	1278020.143	EQCOR
15084	404751.706	1278201.855	EQCOR 18-153-98 OS REBAR
15085	407386.148	1278292.777	NESEC 18-153-98 LS 5999
15086	407484.891	1275657.061	NQCOR 18-153-98 OS LS 5999
15087	402217.409	1275461.427	SQCOR 18-153-98 REBAR MOS
15088	402314.722	1272906.187	SWSEC 18-153-98 OS LS 5999
15089	407586.512	1273109.151	NWSEC 18 153 98 SET 5999 SP
15093	451358.523	1232670.99	NESEC 3-154-100 REBAR
15094	451557.014	1227406.459	NWSEC 3-154-100 LS CAP
15095	446272.101	1227208.511	SWSEC 3-154-100 LS 1195
15096	435509.581	1232047.722	SESEC 15-154-100 MR
15097	440792.17	1232257.066	SESEC 10-154-100 REBAR
15098	435905.346	1221522.159	NWSEC 21-154-100 1IN BAR 1FT DEEP
15099	425337.485	1221138.398	BENT NAIL
15100	424989.765	1231632.435	OS IP
15101	436104.722	1216248.486	NWSEC 20-154-100 AC 2352
15104	451950.581	1216870.384	NWSEC 5-154-100 MR
15106	449289.48	1216765.909	WQCOR 5-154-100 PK NAIL
15107	446651.536	1216662.23	SWSEC 5-154-100 MR
15108	441402.231	1216456.553	SWSEC 8-154-100 MR
15109	398041.356	1246341.903	SWSEC*20-153-99 2352AC
15110	403298.279	1246567.095	NWSEC*20-153-99 5/8 REBAR

Point Name	Northing	Easting	Feature Code
15112	392669.807	1248824.413	SQCOR*29-153-99 OS 5/8 REBAR
15113	397831.608	1251632.251	NESEC*29-153-99 2352AC
15114	395199.175	1251550.522	EQCOR*29-153-99 2352AC
15115	395407.164	1246254.923	WQCOR*29-153-99 2352AC
15116	417331.483	1294460.234	NWSEC 2-153-98 OS AC 4654
15117	417231.512	1297094.665	NQCOR 2-153-98 OS AC 4654
15118	417022.858	1297086.736	PCR PARK SERVICE BURIED TPOST
15119	415930.407	1297047.976	PCR PARK SERVICE REBAR
15120	415911.641	1297049.555	16COR 2-153-98 BC CORPS OF ENGINEERS
15121	415941.935	1296233.35	PCR 2-153-98 BC CORPS OF ENGINEERS
15122	414692.142	1294368.405	WQCOR 2-153-98 AC
15124	406786.687	1294092.633	NESEC 15-153-98 REBAR CHK
15125	406881.873	1291452.845	NQCOR 15-153-98 AC 2352
15126	406983.618	1288824.605	NWSEC 15-153-98 OS REBAR
15127	401714.173	1288639.685	SWSEC 15-153-98 OS REBAR
15128	404351.911	1288732.176	WQCOR 15-153-98 OS SET YPC 1241
15129	399074.924	1288547.78	WQCOR 22-153-98 BC CORPS OF ENGINEERS
15130	401616.882	1291277.239	NQCOR 22-153-98 OS CARSONITE POST
15131	409417.653	1294178.694	WQCOR 11-153-98 AC 2352
15132	412054.937	1294276.262	NWSEC 11-153-98 AC
15133	427480.32	1305383.411	NESEC 25-154-98 OS AC 4654
15134	406389.566	1304633.811	NWSEC*18-153-97 OS LS4654AC
15135	409025.527	1304727.42	WQCOR*7-153-97 OS 5/8 REBAR
15136	416737.197	1310228.159	NWSEC*5-153-97 OS LS4654AC
15137	437823.507	1310940.566	NWSEC*17-154-97 OS LS 4654 CHK
15138	437622.649	1316211.869	NESEC*17-154-97 OS OPC 5771
15139	437723.298	1313576.36	NQCOR*17-154-97 YPC LS11??
15140	432354.916	1316034.441	SESEC*17-154-97 OS HES TAG
15141	434989.94	1316123.366	EQCOR*17-154-97 OS RB
15143	432453.782	1313415.653	SQCOR*17-154-97 OS
15144	437041.637	1332021.822	NWSEC*13-154-97
15145	439679.088	1332110.082	EQCOR*13-154-97
15146	446280.587	1369266.428	SWSEC*155-95-31 2.25AC PLS 5771
15147	445939.98	1379680.325	SESEC*32-155-95 5RBR
15148	446922.868	1350823.243	SQCOR*33-155-96 OPC BERGHERR ND8231
15149	447013.804	1348189.767	NWSEC*4-154-96 2AC LS 2884
15150	446831.932	1353456.759	NESEC*4-154-96 MAG
15151	446453.249	1364003.976	NESEC*2-154-96 OS
15152	441001.195	1369089.454	SESEC*1-154-96 OS
15153	441190.799	1363829.735	SESEC*2-154-96 OS
15154	447207.383	1342923.454	SWSEC*32-155-96 5RBR
15155	447207.402	1342923.465	SWSEC*32-155-96 5RBR
15156	449852.702	1343004.465	EQCOR*31-155-96 OS
15157	444575.18	1342834.037	EQCOR6-154-96 2.5AC UNREADABLE
15158	446109.626	1374413.67	SWSEC*32-155-95 2IN AC 2884 INTERSTATE
15159	446024.865	1377046.908	SQCOR*32-155-95 RPC PLS 3922
15160	443476.228	1374332.284	WQCOR*5-154-95 SPIKE
15161	441566.28	1353285.367	SWSEC*3-154-96 4RBR
15162	441754.366	1348015.982	SWSEC*4-154-96 2AC DAMAGED
15163	449653.38	1348278.638	EQCOR*32-155-96 2.5AC PLS 4654
15164	449471.9	1353545.677	EQCOR*33-155-96 OPC BERGHERR PLS 8231
15165	443824.67	1363917.052	WQCOR*1-154-96 OS
15166	446366.755	1366635.169	SQCOR*36-155-96 RPC B.ZELMER PLS 3756
15167	447304.869	1340281.426	NQCOR*6-154-96 2.5AC UELS PLS 6541
15168	447401.869	1337646.233	NESEC*1-154-97 6RBR
15169	444766.743	1337558.979	WQCOR*6-154-96 OS
15170	442127.565	1337471.576	SWSEC*6-154-96 2AC PLS 3592 BENT
15171	447593.451	1332372.571	NWSEC*1-154-96 4RBR
15172	447591.692	1332374.677	NWSEC*1-154-96 2AC UNREADABLE

Point Name	Northing	Easting	Feature Code
15173	437041.572	1332022.897	SWSEC*12-154-96 5RBR
15174	436849.483	1337296.751	SESEC*12-154-96 2AC UELS PLS 2999
15175	434403.621	1331934.081	WQCOR*13-154-96 2.5AC PLS 5988
15176	437237.722	1326750.543	NWSEC*14-154-97 BENT 1IN PIPE
15177	442508.596	1326927.96	NESEC*10-154-97 YPC 1195
15178	447785.846	1327102.605	SESEC*34-155-97 OS
15179	452675.89	1337821.782	NWSEC*31-155-96 OS
15180	450041.561	1337734.311	WQCOR*31-155-96 OS
15181	450225.81	1332460.576	WQCOR*36-155-97 5RBR CON
15182	452856.123	1332547.836	NWSEC*36-155-97 OS OPC RLS 5771
15183	439488.61	1337384.218	WQCOR*7-154-96 11/2AC 2883
15184	436946.431	1334659.564	NQCOR*13-154-97 OS
15185	431766.451	1331847.923	SWSEC*13-154-97
15186	442316.566	1332198.464	SWSEC*11-154-97 5RBR BENT
15187	442316.582	1332198.421	SWSEC*1-154-97
15189	443627.81	1369180.502	WQCOR*6-154-95
15190	441096.433	1366464.43	SQCOR*1-154-96 OS
15191	440842.841	1374250.927	SESEC*6-154-95 OS
15192	440923.05	1371619.172	SQCOR*6-154-95 OS
15193	446194.653	1371780.355	NQCOR*6-154-95 OS
15194	441281.367	1361196.769	NQCOR*11-154-96 T-IRON W/ PROP LINE DISK
15195	442595.78	1361238.159	16COR*C-S 2-154196 T-IRON W/ PROP LINE DISK
15196	442643.339	1359918.395	16COR*S-C-S 2-154-96 T-IRON W/ PROP LINE DISK
15197	442690.943	1358598.416	16COR*S Sec3-2-154-96 T-IRON
15198	444104.894	1356008.86	CSEC*3-154-96 T-IRON W/ PROP LINE DISK
15199	447110.656	1345556.647	NQCOR*5-154-96 MAG
15200	452293.012	1348367.545	SWSEC*28-155-96 OS
15201	449753.106	1345642.514	CSEC*32-155-96 2.5IN AC LS4654
15202	452199.914	1351001.038	NQCOR*33-155-96
15203	441934.54	1342744.312	NESEC*7-154-96
15204	444954.134	1332286.585	WQCOR*1-154-97 LS8441
15205	434493.666	1329299.041	CSEC*14-154-97 LS8441
15206	446640.327	1358727.489	NWSEC*2-154-96 LS8441
15207	446546.801	1361365.726	NQCOR*2-154-96 LS8441
15208	446735.994	1356096.217	NQCOR*3-154-96 LS8441
15209	441660.331	1350650.665	SQCOR*4-154-96 LS8441
15210	441844.46	1345380.152	SQCOR*5-154-96 LS8441
15211	439679.066	1332110.687	WQCOR*12-154-97 LS8441
15213	400526.053	1320241.973	SWSEC*15-153-97 OS LS5771 OPC
15214	395234.187	1320063.376	SWSEC*22-153-97 LS5771 OPC
15215	395156.768	1322704.095	SQCOR*22-153-97 OS LS3287 YPC
15216	384512.716	1324990.21	SESEC*34-153-97 LS5771 OPC
15217	405798.275	1320422.986	NWSEC*15-153-97 LS2352AC
15218	400336.926	1325492.777	SESEC*15-153-97 LS AC
15219	411070.539	1320597.812	SWSEC*3-153-97 0S 5/8 REBAR
15220	410982.435	1323242.096	OS OUT OF POSITION
15221	413522.553	1325960.273	EQCOR*3-153-97 OS LS2352
15222	410884.679	1325871.616	SESEC*3-153-97 OS REBAR
15223	408248.034	1325784.233	EQCOR*10-153-97 5/8 REBAR
15224	413705.269	1320686.03	WQCOR*3-153-97 5/8 REBAR
15225	405507.813	1328334.696	NQCOR*14-153-97 LS AC
15226	405413.912	1330975.033	RP*AC REFERANCE POINT 10FT ARROW S
15228	405403.724	1330984.618	RP*REBAR REFRENCE POINT
15229	405611.449	1325696.615	SESEC*10-153-97 1/2 REBAR
15230	395024.435	1325360.471	SWSEC*23-153-97 LS AC
15233	405403.922	1330974.621	NESEC 14-153-97 CALC FROMREF MONS N-E 10FT
15234	416341.509	1320775.361	NWSEC*3-153-97 OS REBAR
15235	416146.769	1326047.912	NESEC*3-153-97 REBAR 5/8" MOS
15236	416243.4	1323409.882	NQCOR*3-153-97 OS REBAR

Point Name	Northing	Easting	Feature Code
15237	408436.23	1320509.364	WQCOR*10-153-97 OS REBAR
15238	389768.697	1325168.397	SWSEC*26-153-97 LS5771 OPC
15239	389590.658	1330445.022	SESEC*26-153-97 1984 BLM AC COS
15240	392225.392	1330533.326	WQCOR*26-153-97 1984 BLM AC COS
15241	402974.839	1325608.73	WQCOR*14-153-97 OS LS5999AC
15242	394852.389	1330621.924	SESEC*23-153-97 LS1243AC
15243	400130.117	1330798.704	NESEC*23-153-97 BLM 1984AC
15244	402765.412	1330886.047	EQCOR*14-153-97 BLM 1984AC
15246	416638.454	1312861.004	NQCOR*5-153-97 OS LS4654 UELS AC
15247	414102.949	1310137.987	WQCOR*5-153-97 OS LS4654 AC UELS
15248	411465.633	1310050.02	SWSEC*5-153-97 OS REBAR PITS
15249	411365.672	1312683.208	SQCOR*5-153-97 OS REBAR PITS
15250	411266.535	1315321.832	SESEC*5-153-97 OS MOS HORGAN AC
15251	413901.169	1315410.031	EQCOR*5-153-97 OS REBAR MOS
15252	416539.206	1315499.076	NESEC*5-153-97 COE AC Z4-3
15253	411168.751	1317960.339	SQCOR*4-153-97 INTERSTATE AC
15254	405990.691	1315146.801	SESEC*8-153-97 LS 4654 UELS AC
15255	406181.737	1309871.749	SWSEC*8-153-97 OS REBAR MOS
15256	408630.131	1315232.414	EQCOR*8-153-97 OS LS4654 AC UELS
15257	408813.9	1309959.851	WQCOR*8-153-97 OS REBAR MOS
15259	405211.61	1336248.188	NESEC*13-153-97 BLM AC 1984 MOS
15260	416049.653	1328685.486	NQCOR*2-153-97 LS AC
15261	410676.301	1331148.505	SWSEC*1-153-97 1980 BLM BC
15262	413315.981	1331235.462	WQCOR*1-153-97 3" CORPS AC
15263	415856.747	1333960.279	NQCOR*1-153-97 LS 2352 AC
15264	415759.599	1336597.952	NESEC*1-153-97 LS 2352 AC
15265	413123.65	1336509.97	EQCOR*1-153-97 1980 BLM BC
15266	410485.399	1336422.704	SESEC*1-153-97 1980 BLM BC
15267	407850.322	1336336.465	EQCOR*12-1203-97 1984 BLM AC
15268	413838.317	1394547.992	NWSEC*1-T153-R95ALM BLM
15269	413759.896	1397183.317	NQCOR 1-T153-R95ALM BLM
15270	413681.883	1399819.847	NESEC*1-T153-R95ALM BLM
15271	403204.558	1396859.567	NQCOR*13 OS IPSET
15272	408477.741	1397024.542	NQCOR*12-T153-R95OS IP CAP
15273	403132.228	1399499.802	NESEC*13 OS IPSET
15274	405772.438	1399579.468	EQCOR*12 OS IPSET
15276	408404.31	1399659.722	NESEC*12-T153-R95OS IP CAP
15277	411044.315	1399740.087	EQCOR*1-T153-R95OS IP CAP
15278	408058.866	1410162.333	SESEC*5-153-94 BLM CAP 1983
15279	408073.844	1409771.47	PCR*AC COE DEPT OF THE ARMY BENCHMARK
15280	408140.016	1407526.446	SQCOR*5-153-94 AC BLM 1983
15281	408178.221	1406208.696	PCR*ARMY COE NAIL AND DISC
15282	408122.517	1408042.925	PCR*ARMY COE NAIL AND DICS US GOVT BOUNDARY
15283	416319.688	1399899.322	WQCOR*31-154-94 OS/AC UELS LS4654 ON W SIDE
15284	434456.428	1410924.484	NESEC*17-154-94 2IN AC WITH PLACARD
15285	429171.63	1410773.636	NESEC*20-154-94 2IN AC LS2999 WITH PLACARD
15286	423719.043	1415898.278	SESEC*21-154-94 OS 2IN AC 2884 LS
15287	426529.291	1410699.963	EQCOR*20-154-94 OS YPC 3541 LS
15288	429362.023	1405497.388	NWSEC*20-154-94 OS REBAR
15289	429260.163	1408141.266	NQCOR*20-154-94 OS REBAR YPC 3881 LS
15290	415315.14	1431496.218	EQCOR*36-154-94 OS REBAR
15291	418033.859	1428920.864	NQCOR*36-154-94 OS REBAR US POST
15292	417950.133	1431571.221	NESEC*36-154-94 OS REBAR
15293	426360.45	1415973.324	EQCOR*21-154-94 OS 2IN AC LS 2884
15294	429002.766	1416049.559	NESEC*21-154-94 OS 2IN AC LS 2884
15295	413597.185	1402403.268	NQCOR*6-153-94 OS
15296	413513.474	1405041.65	NQCOR*6-153-94 OS KLJ 3496
15297	408314.925	1402259.731	SQCOR*6-153-94 OS
15298	410860.998	1404965.522	EQCOR*6-153-94 OS KLJ 3496

Point Name	Northing	Easting	Feature Code
15299	402931.717	1404733.536	SESEC*7-153-94 BLM CAP 1983
15300	403039.212	1402103.381	SQCOR*7-153-94 OS SET IP
15301	405581.009	1404816.737	EQCOR*7-153-94 OS SET IP CAP
15302	408223.178	1404890.245	NESEC*7-153-94 OS
15305	397265.049	1417777.769	NQCOR*22-153-94 OS 3366 AC
15306	391991.429	1417629.288	NQCOR*27-153-94 8818 AC
15308	384157.167	1414762.614	EQCOR*33-153-94 OS RB
15309	386873.157	1412200.993	SQCOR*28-153-94 8818 AC
15310	389431.212	1414913.591	EQCOR*28-153-94 AC UNREADABLE
15312	389592.894	1409640.41	WQCOR*28-153-94 AC 8818
15313	400146.746	1409938.223	WQCOR*16-153-94 OS 3366 AC
15314	402783.01	1410012.195	NWSEC*16-153-94 OS 3366 AC
15315	402702.095	1412655.469	NQCOR 16-153-94 OS 3366 AC
15316	397422.87	1412502.241	NQCOR*21-153-94 OS 3366 AC
15317	392150.677	1412353.235	NQCOR*28-153-94 8818 AC
15318	386714.366	1417477.446	NQCOR*34-153-94 5/8 RB
15319	389274.123	1420192.532	EQCOR*27-153-94 8818 AC
15320	383985.869	1420039.734	EQCOR*34-153-94 NAIL W/WASHER UNREADABLE
15322	381038.042	1430526.085	SWSEC 31 153 93 3366
15323	383680.165	1430600.1	WQCOR 31 153 93 OS 5999
15324	386319.009	1430675.662	NWSEC 31 153 93 OS 3366
15325	386245.554	1433310.685	NQCOR*31 153 93 OS 5999
15326	383526.783	1435861.706	EQCOR 31 153 93 OS 5999
15327	380884.766	1435804.338	SESEC 31 153 93 OS 3366
15329	391595.534	1430824.497	NWSEC 30 153 93 OS 5771
15330	386162.862	1435940.025	NESEC 31 153 93
15331	386395.236	1428037.325	SQCOR 25-153-94 LS7723 OPC
15332	381120.162	1427889.723	SQCOR 36-153-94 7723 OPC
15333	383834.738	1425324.141	WQCOR 36-153-94 LS7723 OPC
15335	386474.538	1425397.924	SESEC 26-153-94 LS 3366
15337	388959.333	1430750.145	WQCOR 30-153-93 OS 3366
15339	397265.103	1417777.825	NQCOR 22-153-94 OS LS 3366
15340	397191.095	1420417.7	NESEC 22-153-94 OS LS 3366
15341	399826.465	1420491.63	EQCOR 15-153-94 OS LS 3366
15342	402540.472	1417928.898	NQCOR 15-153-94 OS LS3366
15343	402618.841	1415291.83	NWSEC 15-153-94 OS LS3366
15344	399982.586	1415217.031	WQCOR 15-153-94 OS LS3366
15345	397348.537	1415142.844	SWSEC 15-153-94 1983 BLM AC
15346	394711.529	1415065.281	WQCOR 22-153-94 OS 3366
15347	402469.11	1420565.616	NESEC 22-153-94 AC 3366
15365	379812.585	1472738.121	SESEC 32-153-92 ORIGINAL STONE HIGHLANDS
15366	374042.04	1470234.974	SESEC 2-152-93 REBAR & CAP RLS5771 HIGHLANDS
15367	404467.418	1441702.811	EQCOR 8-153-93 ORIGINAL STONE HIGHLANDS
50000	419502.791	1173420.749	WQCOR 1-153-102 AC PLS 8?
50001	416813.997	1174625.724	16COR 1-153-102 PLS 1195 YPC
50002	406880.562	1159666.7	NQCOR 21-153-102 1 IN. PIPE
50003	406998.447	1157027.656	NWCOR 21-153-102 PLS 754? OPC
50004	407085.92	1155049.976	PCR 5\8 REBAR
50005	407114.969	1154393.807	NQCOR 20-153-102 REB
50006	407231.618	1151760.139	NWCOR 20-153-102 AC UNREADABLE
50007	404841.498	1146403.12	WQCOR 19-153-102 4352 AC
50008	403522.92	1146345.112	16COR 19-153-102 4352 AC
50009	402204.162	1146286.928	SWSEC 19-153-102 AC LS7540
50010	402204.611	1146285.006	NWSEC 30-153-102 YPC LS195
50011	407383.289	1149122.839	NQCOR 19-153-102 OS REBAR
50012	408739.433	1178239.786	EQCOR 13-153-102 BC BOR
50013	390736.743	1166924.934	SWSEC 35-152-102 AC NR
50014	390510.353	1172193.643	SESEC 35-153-102 5 REBAR
50015	390509.389	1172215.579	NWSEC 4-152-102 5 REBAR

Point Name	Northing	Easting	Feature Code
50016	392920.568	1177568.593	EQCOR 36 153 OS-REBAR
50017	398087.749	1180354.065	CSEC 30-153-101 SMALL T BAR W\STEEL POST
50018	421736.632	1178789.597	NWSEC 6 153-101 AC LS6261 OS
50019	419284.368	1178685.114	WQCOR 6 153-101 1IN.SQ.ROD
50020	404797.417	1147698.698	16COR 19-153-102 LS2352 AC
50021	399567.209	1146172.299	WQCOR 30-153-102 REBAR
50022	396930.388	1146055.326	SWSEC 30-153-102 BOR BC
50023	396814.786	1148698.064	SQCOR 30-153-102 4X4 IN CONC. POST REBAR W SIDE
50024	396701.797	1151330.146	SESEC 30-153-102 BOR BC ADD PLS3214 AC
50025	391190.685	1156372.937	SESEC 32-153-102 BOR BC
50026	397257.553	1156629.7	MCOR 29 153-102 REBAR
50027	390949.421	1161939.42	CCCOR 5 152-102 BOR BC
50028	403476.791	1147643.431	16COR 19-153-102 LS2352 AC
50029	403473.535	1147645.035	16COR 19-153-102 LS1195 YPC
50030	404746.921	1149034.507	CSEC 19-153-102 BENT REBAR
50031	402144.63	1148831.958	RM SQCOR 19-153-102 NAIL
50032	402033.586	1148856.273	RM SQCOR 19-153-102 NAIL
50034	399448.956	1148798.696	CSEC 30-153-102 LS1195 YPC
50036	393029.248	1174935.2	PCR*36-153-102 T-BAR
50037	398031.203	1181726.48	PCR*36-153-102 T-BAR
50038	419390.842	1176054.429	CSEC*1-153-102 RLS1195 YPC
50039	405598.613	1191181.889	PCR*21-153-101 T-BAR
50040	400497.308	1185795.846	SQCOR*20-153-101 OS REBAR CAP LS3214
50042	405645.975	1188638.431	SESEC*17-153-101 OS 3592AC
50044	413136.909	1199586.908	PCR*153-101 T-BAR
50045	409964.048	1209967.047	SESEC*12-153-101 RLS2552 AC
50046	415479.086	1206271.043	PCR*153-101 T-BAR
50048	415417.52	1207595.41	WTCOR*OS REBAR 12 -153-101
50049	412586.714	1210073.389	EQCOR*OS REBAR 12 -153-101 AC 2884
50050	407341.352	1209860.488	EQCOR*OS REBAR 13 -153-101 REBAR
50051	404712.353	1209753.616	SESEC*13-153-101 2352AC
50052	409869.755	1212590.051	NQCOR 18-153-100 USCOE AC
50053	412507.307	1212693.621	CTRSEC 7-153-100 HORGAN AC
50054	415128.726	1210176.2	WTCOR NW7-153-100 OS REB
50055	404605.47	1212381.083	NQCOR 19-153-100-153-100-LS2352 AC
50056	402082.483	1209645.54	WQCOR 19-153-100-153-100-LS2352 AC
50057	396826.522	1209432.362	WQCOR 30-153-100 PL7152 AC
50058	394126.021	1211984.421	SQCOR 30-153-100 PL7152 AC
50059	394031.987	1214625.136	SESEC 30-15-100 RLS2884 AC
50060	391395.622	1214459.259	WQCOR 32-153-100 OS REBAR
50061	399346.315	1212186.791	SQCOR 19-153-100 OS REBAR
50062	388866.253	1211718.368	SQCOR 31-153-100 PLS 2884 AC
50063	388763.545	1214367.387	MONR SE 31-153-100
50064	377337.801	1213687.481	SWSEC 11- 152-101 OS REBAR
50065	377147.55	1218958.148	SESEC 11- 152-101 OS LS7152 AC
50066	379780.638	1219061.081	EQOR 11- 152-101 OS REBAR
50067	382416.384	1219163.268	NESEC 11- 152-101 OS REBAR
50068	385043.589	1219295.096	EQCOR 2- 152-101 USCOE AC
50069	382306.698	1221736.534	MONR 12-152-101 USCOE AC
50070	382515.822	1216530.378	NQCOR 11-152-101 OS
50071	382512.07	1216528.172	NQCOR 11-152-101 PLS 7512 AC
50072	382608.126	1213892.636	SWSEC 2-152-101 PLS 2884 AC
50073	385243.305	1213995.425	EQCOR 2- 152-101
50074	371655.312	1224024.646	SESEC 13-153-101 AC NOT READABLE
50075	377038.523	1221599.799	NQCOR 13-152-101 USCOE AC
50076	374298.533	1224131.171	EQCOR 13-152-101PLS 2884 AC
50077	376928.892	1224241.935	NESEC 13-152-100 PL 2352 AC
50078	371444.454	1229097.661	SWSEC 17-152-100 REBAR
50079	374083.919	1229201.033	WQCOR 17-152-100 OS PLS 2884

Point Name	Northing	Easting	Feature Code
50080	371343.262	1231733.721	SQCOR 17-152-100 OS PLS 3214
50081	370712.382	1247526.876	SQCOR 14-152-100 OS PLS 3366 AC
50082	370816.292	1244910.974	SWSEC 14-152-100 OS PLS 2884 AC
50083	373451.012	1245008.832	WQCOR 14-152-100 USCOE OS BESIDE
50084	371025.845	1239641.4	SESEC 16-152-100 OS REBAR
50085	371133.218	1236996.623	SQCOR 16-152-100 OS
50086	371238.529	1234363.865	SWSEC 16-152-100 OS 2884AC
50087	370919.952	1242281.307	SQCOR 15-152-100 OS REBAR
50088	375981.266	1247739.672	NQCOR 14-152-100 OS REBAR
50089	375657.871	1247726.354	PCR 14-152-100 USCOE AC
50090	375876.998	1250354.778	NESEC 14-152-100 OS REBAR
50091	373241.455	1250258.4	EQCOR 14-152-100 OS REBAR
50092	375770.712	1252993.285	SQCOR 12-152-100 INC.2012 AC
50093	373346.192	1247632.821	CTRSEC 14-152-100 T-POST
50094	373360.164	1247286.295	PCR 14-152-100 T-POST
50095	375664.206	1255631.86	SESEC 12-152-100 PLS 3366 AC
50096	378150.309	1251759.851	PCR 12-152-100 COE T-POST
50097	378509.781	1250452.111	WQCOR 12-152-100 OS REBAR
50098	381045.59	1253187.472	NQCOR 12-152-100 OS REBAR
50099	378306.45	1255729.16	EQCOR 12-152-100 OS REBAR
50100	380942.969	1255825.379	NESEC 12-152-100 OS REBAR
50101	383570.493	1255922.693	EQCOR 1-152-100 OS REBAR
50102	383572.879	1255866.453	PCR 1-152-100 USCOE AC
50103	380838.462	1258377.578	SQCOR 6-152-99 OS REBAR
50104	384668.411	1261363.218	PCR 5-152-98 USCOE AC
50105	385012.313	1261855.174	TRI USCOE 15-R 1950 BC
50106	383142.052	1266341.612	WQCOR*4-152-99 OS REBAR
50107	386400.154	1274375.093	PCR*USCOE AC AA5-3
50108	386277.074	1277591.118	SESEC*31-153-98 3214AC
50109	386177.265	1280200.198	SQCOR*32-153-98 OS 5771AC
50110	386077.108	1282843.08	SDCOR*SE32-153-98 OS 3214AC
50112	385484.417	1298612.617	SESEC 35-153-98 LS1241 YPC MOS TO NORTH
50113	385581.807	1295979.167	SQCOR*35-153-98 OS REBAR
50114	388123.009	1298705.576	EQCOR*35-153-98 OS 5/8 REBAR
50115	390652.075	1301433.818	SQCOR*25-153-98 OS LS1241 YPC
50116	390861.976	1296060.701	WTCOR*WQ26-153-98 PLS8818 AC
50117	390755.709	1298799.312	SWSEC*25-153-98 OS REBAR PITS
50118	420015.051	1223523.559	SQCOR 33-154-100 COE T POST
50119	417322.578	1226061.778	EQCOR 4-153-100 OS REBAR
50120	409385.674	1225736.769	NWSEC 15-153-100 REBAR
50121	406754.272	1225630.847	WQCOR 15-153-100 REBAR
50122	393295.817	1232999.201	NQCOR 35-153-100 OS REBAR
50123	393396.543	1230369.103	Nwec 35-153-100 OS REBAR
50124	390765.489	1230262.411	WQCOR 35-153-100 USCOE AC8
50125	393190.938	1235635.787	NESEC 35-153-100 REBAR
50126	398652.925	1230580.874	NESEC 27-153-100 OS REBAR
50127	398757.471	1227940.042	NQCOR 27-153-100 OS REBAR
50128	401582.563	1225430.701	WQCOR 22-153-100 AC REBAR W-PITS
50129	404128.629	1225525.609	NWSEC 22-153-100 OS REBAR
50130	399035.701	1225335.541	SWSEC 22-153-100 OS REBAR
50131	398862.701	1225312.446	PCR 153-100 T-POST USCOE
50132	399005.966	1225613.956	PCR USCOE AC 153-100
50133	396025.081	1230474.817	EQCOR 27-153-100 REBAR PLS 2352
50134	393498.491	1227738.696	SQCOR 27-153-100 REBAR AC BLANK
50135	390572.518	1235533.489	WQCOR 36-153-100 OS REBAR AC BLANK
50137	387712.487	1240703.909	SESEC 36-153-100 REBAR
50138	387731.352	1240268.684	CLCOR 4-152-100 REBAR
50139	390351.288	1240811.881	EQCOR 36-153-100 OS REBAR
50140	392975.416	1240915.207	NESEC 36-153-100 OS REBAR

Point Name	Northing	Easting	Feature Code
50141	419838.111	1228793.628	NQCOR 4-153-100 OS REBAR
50142	392875.621	1243526.498	NQCOR 31-153-99 OS REBAR
50143	392925.349	1242207.676	16COR 31-153-99 LS1195 YPC
50144	397640.394	1256897.602	NESEC 28-153-99 OS REBAR
50145	397740.052	1254261.716	NQCOR 28-153-99 OS RLS 3366
50146	397737.327	1254266.309	WTCOR 28-153-99 AC RLS 2352
50147	387940.3	1234990.24	NWSEC 4-152-100 CC REB
50148	387922.421	1235429.538	SWSEC 36-153-100 OS REB
50149	397535.979	1259528.907	SQCOR 22-153-99 OS REB
50150	402599.075	1265020.439	SQCOR 14-153-99 LS2352AC REB ONLY
50151	399975.436	1264912.479	CSEC 23-153-99 LS7540AC IN PIPE
50152	402507.155	1267516.147	WCCOR SW SEC 13 153 99 LS 7540 AC
50153	401817.698	1286008.828	SQCOR 16 153 98 OS REBAR
50154	419972.562	1294556.672	WQCOR 35 154 98 OS PLS 4654 AC
50155	422593.552	1294650.463	NWSEC 35 154 98 OS PLS 4654 AC
50156	422500.419	1297287.799	NQCOR 35 154 98 OS PLS 4654 AC
50157	422406.826	1299924.163	NESEC 35 154 98 OS PLS 4654 AC
50158	419769.749	1299826.233	EQCOR 35 154 98 OS W/REMAINS OF STONE & PITS SET PLS 3214 AC
50159	425038.276	1300019.223	WQCOR 25-154-98 REB
50160	427669.634	1300114.251	NESEC 25-154-98 REB
50161	437138.431	1329386.945	NQCOR 14 154 97 OS PLS 3592 AC
50162	432749.739	1305569.437	NWEC 19 154 97 REBAR
50163	427386.2	1307947.354	SQCOR 19 154 97 USCOE T POST
50164	427986.222	1307967.674	PCR 19 154 97 USCOE T POST
50165	432555.813	1310762.128	NESEC 19 154 97 OS PLS 2883 AC
50166	406181.643	1309871.61	NESEC*18-153-97 PL 8608 AC
50167	406272.525	1307601.589	WTCOR*N18-153-97 AC
50168	404016.392	1304549.693	PCR*153-97 USCOE AC AA18-C
50169	408813.974	1309959.804	EQCOR*7-153-97 OS REBAR8
50170	411564.327	1307419.983	NQCOR*7-153-97 PL 2252 AC
50171	416440.238	1318137.147	NQCOR*4-153-97 REBAR AC UNREADABLE
50172	410780.444	1328509.147	SQCOR*2-153-97 OS REBAR
50173	416037.524	1329015.203	PRC*2-153 -97 USCOE AC Z2-6
50174	418784.339	1326132.634	WQCOR*35-154-97 USCOE AC Z35-4
50176	418395.526	1336684.281	WQCOR*31-154-96 BLM BC 1980
50177	415665.057	1339235.706	SQCOR*31-154-96 BLM AC 1984
50178	415569.44	1341872.942	SESEC*31-154-96 USDAF BC 1994
50179	416644.178	1341559.128	GPS*31-154-96 US MISS.RIVER COM
50180	418206.923	1341960.256	EQCOR*31-154-96 USDAF BC 1994
50181	420843.809	1342046.379	NESEC*31-154-96 BLM BC 1984
50183	420744.101	1344670.102	NQCOR*32-154-96 OS REBAR
50184	415471.95	1344508.877	SQCOR*32-154-96 USDAFS BC 1998
50185	415378.318	1347147.935	SESEC*32-154-96 USDAFS BC 1994
50186	418013.04	1347229.723	EQCOR*32-154-96 OS AC BLANK
50187	415283.532	1349785.262	SQCOR*33-154-96 OS PL 2439 AC
50188	415100.499	1355055.429	PCR*34-154-96 USCOE T.POST BUTTON STAMPED Y10
50189	417829.36	1352504.799	PCR*34-154-96 USCOE T.POST BUTTON STAMPED Y12
50190	434403.639	1331934.17	EQCOR*15-154-97 PLS5988 2.5AC
50191	442508.616	1326928.024	NESEC*10-154-97 YPC 1195
50193	436849.477	1337296.759	SESEC*12-154-97 2AC UELS PLS 2999
50194	434212.262	1337210.342	EQCOR*13-154-97 AC PLS 5988
50195	431775.386	1337130.526	WTCOR*13-154-97 PLS 4597 OPC 200.23 FT
50196	431872.921	1337133.684	WTCOR*13-154-97 PLS 4597 OPC
50197	431542.307	1338035.781	WTCOR*13-154-97 PLS 4597 OPC 912.55 FT
50198	432234.246	1337145.485	PCR*13-154-97 T-PIN USCOE
50199	432157.761	1321305.841	SESEC*16-154-97 OS T-POST USCOE
50200	434795.564	1321393.988	EQCOR*16-154-97 OS REBAR
50201	432257.634	1318667.864	SQCOR*16-154-97 OS PLS3214 AC
50202	431670.998	1334485.611	SQCOR*13-154-97 PLS 10497 AC W/CONCRET POST

Point Name	Northing	Easting	Feature Code
50203	431384.743	1342395.302	SESEC*18-154-96 IRON PIN
50204	431490.756	1339760.077	RP*TIES IRON ANGLE 11.0 FT
50205	431489.637	1339753.454	RP*TIES NAIL IN POST 12.5 FT
50206	431566.153	1339780.687	RP*TIES SPIKE IN LIGHTPOLE 88.2 FT
50207	431292.735	1345029.704	SQCOR*17 154-96 REBAR
50208	431200.25	1347667.571	SEEC*17 154-96 OS REBAR
50209	433838.851	1347755.022	EQCOR*17 154-96 PLS 1196 YPC
50210	436477.342	1347842.5	NESEC*17 154-96 AC UNREADABLE
50211	433649.918	1353030.545	EQCOR*16 154-96 OS REBAR
50212	433744.384	1350392.785	CSEC*16 154-96 T-PIN UCOE
50213	436285.566	1353116.101	NESEC*16 154-96 REBAR
50214	436380.819	1350479.373	NQCOR*16 154-96 OS REBAR
50215	441567.96	1353284.197	SWSEC*3-154-96 4RBR
50218	436104.931	1358381.061	SESEC*10 154-96 OS REBAR
50219	437422.743	1358424.654	16COR*10 154-96 T-PIN USCOE
50220	441372.291	1358563.849	NESEC*10 154-96 PLS2884 AC
50221	438565.698	1363742.188	WQCOR*12 154-96 OS REBAR
50222	435928.422	1363655.181	SWSEC*12 154-96 T-POST USCOE
50223	435747.107	1368917.018	SESEC*12 154-96 REBAR
50224	433114.302	1368829.894	EQCOR*13 154-96 T-POST USCOE
50225	435574.432	1374089.164	NWSEC*17 154-95 OS PLS 2884 AC
50226	430302.408	1373931.515	SWSEC 17 154-95 REBAR
50227	432940.921	1374007.888	WQCOR 17 154-95 OS PLS4654 AC
50228	435410.821	1379363.44	NESEC 17 154-95 OS REBAR
50229	435493.82	1376726.052	NQCOR 17 154-95 OS REBAR
50230	432788.163	1379283.216	EQCOR 17 154-95 OS REBAR
50231	430152.721	1379202.085	SESEC 17 154-95 OS REBAR
50232	430077.209	1381831.982	SQCOR 16 154-95 OS PLS 5771 OPC
50233	430064.91	1382302.151	PCR 16 154-95 T-PIN USCOE
50234	432624.84	1384550.098	EQCOR 16 154-95 PLS4654 AC
50235	429915.665	1387097.702	SQCOR 15-154-95 OS 3214AC
50236	429834.679	1389730.035	SESEC 15-154-95 REBAR
50237	429796.276	1391069.616	PCR 15-154-95 T-PIU USCOE
50238	434955.4	1395188.798	NWSEC 13 154-95 OS PLS2884 AC
50239	432321.834	1395112.798	WQCOR 13 154-95 T-PIN USCOE
50240	432319.45	1395200.726	PCR 13 154-95 T-PIN USCOE
50241	432283.286	1396430.903	PCR 13 154-95 T-PIN USCOE
50242	429615.545	1397436.182	PCR 13 154-95 T-PIN USCOE
50243	429795.62	1396358.013	WTCOR 13 154-95 USCOE BC RLS5988 150.00 FT N B180
50244	434805.089	1400459.79	NESEC 13 154-95 OS REBAR
50245	429447.097	1402949.724	PCR T-PIN USCOE
50246	432099.304	1400377.644	WQCOR 13-154-95 OS 3214AC
50248	423797.321	1413262.882	SQCOR 21-154-94 USCOE T-PIN
50249	425203.33	1410662.415	PCR 20-154-94 OS USCOE T-PIN
50250	422398.599	1415860.604	PCR 22-154-94 USCOE T-POST
50251	423635.949	1418530.346	SQCOR 22-154-94 OS RLS 2884 AC
50252	423556.816	1421161.839	SESEC 22-154-94 REBAR
50253	420916.031	1421086.961	WQCOR 26-154-94 OS REBAR
50254	428489.218	1431870.365	NESEC 24-154-94 RLS 1419? AC
50255	425858.566	1431795.333	EQCOR 24-154-94 RLS 2884 AC
50256	423219.555	1431721.154	SESEC 24-154-94 OS REBAR
50257	420582.514	1431646.032	EQCOR 25-154-94 PLS 3214 AC MOUND OF STONE
50258	420756.524	1426368.352	WQCOR 25-154-94 OS REBAR
50259	423313.11	1429089.676	NQCOR 25-154-94 OS REBAR
50260	423407.396	1426441.759	NWSEC 25-154-94 T-PIN USCOE
50261	423402.07	1426445.354	PCR 25-154-94 SMALL NAIL IN BOTTLECAP
50262	423397.467	1426441.442	PCR 25-154-94 T-PIN
50263	423483.812	1423742.132	WTCOR N26-154-94 OS PLS 3214 AC
50264	429532.579	1400422.357	PCR USCOR T-PIN

Point Name	Northing	Easting	Feature Code
50265	412598.411	1434007.262	NQCOR 6-153-93 OS LS6612 YPC
50266	412875.748	1431419.446	PCR 6-153-93 USCOE T-PIN
50267	413339.532	1431424.668	PCR 6-153-93 USCOE T-PIN
50268	412518.894	1436641.792	NESEC 6-153-93 OS HIGHLAND 5771 LS AC
50269	408574.133	1436539.445	PCR 6-153-93 USCOE T-PIN
50270	407915.443	1436522.205	PCR 6-153-93 USCOE T-PIN
50271	409885.796	1436568.732	EQCOR 6-153-93 LS 6860 3.25 AC LW SURVEY CO.
50272	409876.572	1436568.538	PCR 6-153-93 LS 6860 3.25 YPC
50273	409807.22	1439209.73	CSEC 5-153-93 PLS 4654 2.5 AC
50274	390797.653	1457192.116	NESEC 26 153-93 REBAR
50275	385519.71	1457056.049	SESEC 26 153-93 USCOE T-PIN V68
50276	385534.352	1457054.782	RP 26 153-93 STONE MARKINGS ?
50277	385456.999	1459693.078	SQCOR 25 153-93 OS PLS 3214 AC
50278	385381.153	1462326.892	SESEC 25 153-93 OS PLS 5771 OPC
50279	390638.582	1462468.503	NESEC 25 153-93 OS PLS 3881YPC
50280	385228.922	1467602.433	NESEC 31 153-92 OS MOS PLS 3541OPC
50281	382598.072	1467534.398	EQCOR 31 153-92 MOS PLS 3541OPC PLS - PLS3496 AC
50282	385306.506	1464965.078	NQCOR 31 153-92 OS PIT&OLD STAKE PLS 3214 AC
50283	388158.66	1457124.041	WQCOR 25-153-93 PLS 7389 OPC
50284	382754.618	1462259.412	WQCOR 31-153-92 OS PLS 3541 OPC
50285	380156.09	1462227.167	PRC NO.5 REB
50286	380124.201	1462193.161	SWSEC 31-153-92 YPC UNREADABLE
50287	380151.842	1461160.168	PCR 153-92 USCOE T-PIN
50288	380158.029	1460865.534	PCR 153-92 USCOE T-PIN
50289	380184.504	1459852.022	NWSEC 3-152-92 OS PLS 5771 OPC
50290	380031.49	1465126.098	NESEC 3-152-93 PLS 5771 OPC
50291	379736.553	1475377.099	PCR USCOE PT V46 LS6615 YPC
50292	385081.5	1472878.898	NESEC 32-153-92 OS PLS 5771 OPC
50293	384421.414	1472861.212	PRC 32-153-92 USCOE T-PIN
50294	383105.444	1472818.595	PRC 32-153-92 USCOE T-PIN
50295	380040.704	1464829.146	PCR PLS 7389 OPC
50296	376538.813	1475586.747	EQCOR 1-152-93 OS PLS 3541YPC
50297	373972.508	1472876.481	SQCOR 1-152-93 IRON PIPE
50298	373979.224	1470424.643	PCR IRON PIPE USCOE
50299	373789.572	1470184.139	PCR PLS 2883 AC
50300	373802.123	1470199.665	PCR PLS 1241 YPC
50301	373695.681	1470285.941	PCR PLS 1241 YPC
50302	373679.852	1470273.046	PCR PLS 2883 AC
50303	373553.131	1470427.737	PCR PLS 1241 YPC
50304	371401.325	1470170.039	PCR REBAR
50305	368533.105	1470105.45	PCR IRON PIPE
50306	368532.997	1470100.48	NWSEC 13-152-93 GLO BC
50307	370927.329	1470156.613	PCR DESTOYED
50308	376609.902	1472947.715	PCR T-PIN V43 USCOE
50309	414829.944	1362788.384	PCR T-PIN USCOE
50310	414823.697	1362952.605	PCR T-PIN Y2 USCOE
50311	414820.109	1362949.994	SWSEC 36-154-96 PLS 4654 AC
50312	414736.002	1365337.264	PCR T-PIN USCOE
50313	414433.005	1374758.7	PCR T-PIN X17 USCOE
50314	416709.396	1386708.162	CSEC 34-154-95 PLS 3496 AC
50315	413915.792	1391911.058	SQCOR 35-154-95 OS PLS 3592 AC
50316	405420.25	1410087.368	WQCOR 9-153-94 BLM AC 1983
50317	394392.072	1425617.548	EQCOR 23-153-94 OS AC 3366
50318	397031.249	1425692.848	NESEC 23-153-94 OS AC 3496
50319	397030.046	1425681.374	PCR 23-153-94 USCOE T-PIN W25
50320	397110.535	1423049.575	NQCOR 23-153-94 OS AC 3366
50321	399667.481	1425767.397	EQCOR 14-153-94 OS AC 3366
50322	401067.127	1423182.826	PCR 153-94 USCOE T-PIN
50323	380806.901	1438443.56	SQCOR 32-152-93 OS LS 3366

Point Name	Northing	Easting	Feature Code
50325	377430.404	1444152.638	WQCOR 6-152-93 OS USCOE T-PIN V -17
50326	382048.351	1441117.788	PCR - USCOE T-PIN W2
50327	380714.862	1441608.332	NQCOR 1-152-94 PLS 6612 USCOE T-PIN
50401	400284.529	1225382.194	PCR*USCOE DD21-1C AC4
50402	399841.699	1225365.619	PCR*USCOE DD21-1D AC4
50403	398875.667	1225658.414	PCR*USCOE DD27-2A AC4
50404	399005.868	1225613.973	PCR*USCOE DD27-1A AC4
50405	398865.328	1225330.496	PCR*OLD 1/2
50406	398862.704	1225312.523	PCR
50407	386580.26	1269696.965	SQCOR*36-153-99 USCOE 4 IN.AC
50409	401747.871	1444278.484	NQCOR*16-153-93 OS PITS 3214AC
50410	399019.253	1446848.076	EQCOR*16-153-93 OS 5/8 REBAR
50411	397699.758	1446808.886	PCR*16-153-93 USCOE AC TPOST V84
50412	396468.707	1448022.683	CP*USCOE A-R1950 4
50413	390958.871	1451917.688	SE SEC COR 22 153-93 5771 AC
50414	390872.882	1454552.943	PCR*23-153-93 USCOE AC TPOST V75?
50415	401582.58	1449552.05	NQ COR 15 153-93 OS 3366 AC MOS
60000	399488.493	1148818.633	RM NAIL
60001	399412.127	1148759.136	RM NAIL
60002	399413.665	1148807.62	RM NAIL
60003	436318.693	1210724.261	WCCOR NECOR-24-154-101 FD
60004	436495.522	1205756.652	NWSEC 24-154-101 FD 2 AC LS1241
60005	436401.445	1208403.034	NQCOR 24-154-101 FD
60006	431933.879	1205570.728	MON COE FD T-IRON W/ CAP
60007	436605.531	1203116.951	NQCOR 23-154-101 FD PK NAIL
60008	436715.401	1200477.162	NWSEC 23-154-101 FD PK NAIL
60009	436827.2	1197833.381	NQCOR 22-154-10 FD 1
60010	436939.129	1195193.408	NWSEC 22-154-10 FD OPC LS3638
60011	437042.182	1192555.819	NQCOR 21-154-10 PK NAIL
60012	437148.201	1189918.503	NWSEC 21-154-10 PK NAIL
60013	434507.896	1189810.083	WQCOR 21-154-10 PK NAIL
60014	431870.956	1189701.539	SWCOR 21-154-10 1.5
60015	429231.187	1189592.025	WQCOR 28-154-101 FD I PIPE 3 1/4
60016	431761.047	1192334.045	NQCOR 28-154-101 FD 2
60017	434085.693	1200365.046	WQCOR 23-154-101 FD
60018	434305.851	1195084.684	WQCOR 22-154-101 FD MAG NAIL W/OUT HEAD
60019	426807.857	1184200.879	SWSEC 29-154-101 FD
60020	431651.052	1194966.468	SWSEC 22-154-101 SET
60021	432082.335	1184413.453	NWSEC 29-154-101 FD 1.5
60022	429445.859	1184307.321	WQCOR 29-154-101 FD 2
60023	431976.606	1187058.165	NQCOR 29-154-101 SET 2
60024	431922.015	1187187.057	PCR FD
60025	429338.509	1186949.776	CSEC 29-154-101 FD 3
60026	429147.598	1186941.642	PCR FD
60027	428019.548	1186895.788	16COR CS16-29-154-101 FD 3
60028	421622.69	1181352.434	SQCOR 31-154-101 FD
60029	421736.596	1178789.595	SWSEC 31-154-101 FD 2
60030	421916.827	1178796.736	SESEC 36-154-102 FD 2
60031	436104.628	1216248.275	NWSEC 20-154-10 OPC PLS6703
60032	436105.532	1216247.797	NWSEC 20-154-100 3.5in PIPE
60033	436207.734	1213606.446	NQCOR 19-154-100
60034	430732.464	1218683.432	NQCOR 29-154-100 YPC LS1195
60035	428099.156	1218578.589	CSEC 29-154-100
60036	428004.04	1221234.552	EQCOR 29-154-100
60037	436005.257	1218885.92	NQCOR 20-154-100
60038	435905.409	1221522.188	NESEC 20-154-100
60039	433268.476	1221419.205	EQCOR 20-154-100 2IN AC LS7591
60040	430632.344	1221328.663	SESEC 20-154-100 OS
60041	425376.826	1221140.396	SESEC 29-154-100

Point Name	Northing	Easting	Feature Code
60042	425193.495	1226374.61	NESEC 33-154-100 OS
60043	425285.823	1223757.423	NQCOR 33-154-100
60044	433467.96	1216143.354	WQCOR 20-154-100 FD 2
60045	428182.385	1216256.939	MON FD T-IRON COE
60046	428193.782	1215934.569	WQCOR 29-154-100 FD
60047	422553.822	1226271.427	EQCOR 33-154-100 FD OS
60049	419939.115	1226243.976	WCCOR 33-154-100 FD
60050	430830.865	1216038.978	NESEC 30-154-100 FD
60051	424268.121	1181458.312	CSEC 31-154-101 FD 2
60052	426913.951	1181562.885	NQCOR 31-154-101 FD 2
60053	427016.285	1179013.655	NWSEC 31-154-101 FD MAG NAIL
60054	421409.629	1186636.743	SQCOR 32-154-101 FD 21\2
60055	411502.02	1175667.229	SQCOR 12-153-102 1/2IN PIPE
60056	431430.102	1200255.683	SESEC 22-154-101 FD 2.5 AC RLS 1222 STAMPED INCORRECT
60057	431541.071	1197610.336	SQCOR 22-154-101 FD
60058	426700.849	1186843.11	SQCOR 29-154-101 FD 3 1/4IN AC BLM 1988
60059	418954.302	1183887.442	WCCOR EQCOR-6-153-101 FD 2.5
60060	416436.684	1183786.523	SESEC 6-153-101 FD 2
60061	416542.067	1181145.056	SQCOR 6-153-101 FD 2.5
60062	413800.011	1183678.164	EQCOR 7-153-101 FD 2
60063	413679.894	1186316.151	CSEC 8-153-101 FD 2
60064	405765.916	1185999.464	SQCOR 17-153-101 FD 3/4
60065	416317.138	1186422.404	SQCOR 5-153-101 FD 2
60066	410921.884	1188850.482	SESEC 8-153-101 FD 2
60067	416197.878	1189057.874	SESEC 5-153-101 RBR
60068	416081.733	1191709.971	SQCOR 4-153-101
60069	415964.844	1194361.604	SESEC 4-153-101 FD 1.5
60070	415871.713	1197001.017	SQCOR 3-153-101 FD 1
60071	418601.964	1194465.952	EQCOR 4-153-101 FD 2.5
60072	407869.795	1199319.154	EQCOR 15-153-101 FD OS
60073	405234.899	1199219.149	SESEC 15-153-101 FD 1.5
70000	368927.652	1454257.804	SWSEC 9 152 93 IABC
70001	368858.425	1456888.203	SQCOR 9 152 93 GLOBC
70003	371356.505	1454324.123	CLCOR OS GLOBC
70004	371355.988	1454331.864	RP STONE?
70005	371432.303	1451686.347	PCR MONC CONCRETE POST
70006	371430.943	1451686.298	PCR COE CAP V3 PROPERTY LINE
70008	371505.32	1449046.831	CLCOR OS GLO BC
70009	371505.024	1449061.874	FND MP PLS6612 3IN AC FITS LSM
70010	371997.521	1449060.348	WQCOR 8 152 93 OS 5/8 REBAR
80000	434914.368	1326675.569	PCR*1 AC
80001	435604.587	1326698.539	PCR*1 AC
80002	431436.798	1331837.04	PCR*T-IRON & CAP COE
80003	431790.272	1331188.66	PCR*T-IRON & CAP COE
80004	434869.031	1327992.59	PCR*T-IRON & CAP COE
80005	434463.823	1327978.887	PCR*RBR COE
80006	433836.706	1329277.243	PCR*T-IRON COE
80007	433178.447	1329255.741	PCR*T-IRON COE
80008	436572.228	1326730.491	PCR*COE T-IRON
80009	436410.072	1326725.263	PCR*COE T-IRON W/ CAP
80010	444554.518	1356023.786	PCR*
80011	445001.509	1370001.638	RWMRB*5
80012	444851.834	1369996.605	RWMRB*5
80013	447379.721	1340284.186	RWMRB*5 RBR
80014	447325.388	1337688.316	RWMW
80015	442316.565	1332123.008	RWMRB*5RBR
80016	444875.763	1369296.634	RWMRB*5RBR
80017	445025.451	1369301.659	RWMRB*5RBR
80018	446959.362	1348319.415	RWMRB*5RBR

Point Name	Northing	Easting	Feature Code
80019	447060.473	1346374.812	RWMRB*5RBR
80020	446985.897	1345872.717	RWMRB*5RBR
80021	447158.261	1345899.331	RWMRB*5RBR
80022	446911.976	1347764.187	RWMRB*5RBR
80023	435879.616	1330279.848	RWMRB*5RBR TS
80024	435779.804	1330275.552	TS*NAIL
80025	435804.766	1330276.641	MSPOT*5RBR .2
80026	435754.743	1330274.442	MSPOT*5RBR
80027	435803.031	1330772.266	MSPOT*5RBR
80028	437412.36	1331959.407	RWMRB*6RBR .1
80029	437407.225	1332109.036	RWMRB*5RBR BENT .2
80030	437339.5	1332106.94	PCR*4RBR
80031	439678.302	1332034.779	RWMRB*5RBR 0.8 down
80032	442311.489	1332273.072	RWMRB*6RBR 1FT
80033	445902.213	1332243.397	RWMRB*5RBR .4
80034	445897.24	1332393.414	RWMRB*5RBR .4
80035	445898.93	1332341.537	MSPOT*6RBR .2
80036	446381.68	1332437.323	RWMRB*5RBR CS .3
80037	446392.167	1332386.706	MSPOT*6RBR .4
80038	446404.041	1332289.748	RWMRB*5RBR CS .4
80039	447445.452	1333577.947	RWMRB*6RBR .3
80040	447496.874	1333570.87	MSPOT*6RBR .3
80041	447507.716	1334065.963	MSPOT*6RBR .2
80042	447366.043	1335167.053	RWMRB*10RBR
80043	447415.913	1335168.857	RWMRB*10RBR
80044	447565.834	1335174.257	RWMRB*10RBR
80045	447615.828	1335176.035	RWMRB*10RBR
80046	447603.268	1335525.779	RWMRB*10RBR
80047	447553.23	1335523.839	RWMRB*10RBR
80048	447196.984	1345228.485	RWMRB*5RBR 1FT
80049	447047.444	1345222.426	RWMRB*4RBR .2FT
80050	446948.32	1347384.08	MSPOT*5RBR .3
80051	446991.314	1347755.074	MSPOT*5RBR .1 BENT
80052	447067.184	1347369.236	RWMRB*5RBR .3 PT
80053	447067.163	1347369.226	RWMRB*5RBR .3 PT
80054	446912.893	1346351.21	RWMRB*4RBR .1
80055	446986.484	1346362.87	PC*5RBR 1.3FT
80056	447280.131	1338923.185	RWMRB*5RBR .2
80057	447429.8	1338928.657	RWMRB*5RBR .2
80058	446729.233	1353745.824	RWMRB*4RBR .1
80059	446173.733	1357250.333	RWMRB*4RBR .1
80060	446224.984	1357258.616	MSPOT*6RBR .4
80061	445568.127	1359580.051	RWMRB*5RBR .1 PC
80062	445476.709	1359544.55	MSPOT*6RBR .2
80063	445428.344	1359525.712	RWMRB*5RRBR .3 PC
80064	445913.5	1358424.279	MSPOT*5RBR .2
80065	445862.473	1358404.58	RWMRB*5RBR .2
80066	446002.189	1358458.845	RWMRB*5RBR .7
80067	445167.614	1360798.085	RWMRB*5RBR .3
80068	445219.44	1360799.968	MSPOT*6RBR .3
80069	445317.406	1360803.463	RWMRB*4RBR .1
80070	447402.667	1335517.223	CHK*RWMP
80071	447403.332	1335518.563	RWMRB*10 RBR
80072	447353.371	1335516.814	RWMRB*10 RBR
80073	435810.036	1327239.264	RWMRB*5RBR SURFACE
80074	436009.524	1327247.818	RWMRB*5RBR SURFACE
80075	447066.293	1349560.266	PCR*YPC ND 1195
80076	447066.27	1349560.257	PCR*YPC ND 1195
80077	447096.678	1348687.633	PCR*OPC BERGHERR ND8331

Point Name	Northing	Easting	Feature Code
90000	386783.4893	1264429.086	CALC*STDSQ*35-153-99
90001	386885.2371	1261792.899	CALC*STDSE 34-153-99 SP LAP
90002	386987.3535	1259156.726	CALC*STDSQ 34-153-99 SP LAT
90003	387089.8384	1256520.567	CALC*STDSE 33-153-99 SP LAT
90004	387192.6919	1253884.422	CALC*STDSQ 33-153-99 SP LAT
90005	387295.9138	1251248.291	CALC*STDSE 32-153-99 SP LAT
90006	387399.5043	1248612.175	CALC*STDSQ 32-153-99 SP LAT
90007	387503.4633	1245976.074	CALC*STDSE 31-153-99 SP LAT
90008	387607.7907	1243339.988	CALC*STDSQ 31-153-99 SP LAT
90009	387609.0994	1243307.037	CALC*MC 13TH STD
90010	387495.4063	1246180.375	CALC*MC 13TH STD
90011	387154.1217	1254872.98	CALC*MC 13TH STD
90012	386761.9465	1264989.272	CALC*MC 13TH STD
90013	386752.5294	1265233.13	CALC*MC 13TH STD
90014	386705.3514	1266460.934	CALC*NECC 5-152-99 SP LAP
90015	385802.7991	1261182.044	CALC*MC SECS_5-6-152-99 GLO B&D
90016	387107.988	1256055.39	CALC*NECC 1-152-100 SP LAP
90017	387211.0892	1253414.582	CALC*NQCC 1-152-100 SP
90018	387314.5602	1250773.787	CALC*NECC 2-152-100 SP LAP
90019	387418.029	1248142.441	CALC*NQCC 2-152-100 N-S 1/4LINE PARALLEL WITH EAST LINE
90020	385144.0293	1255981.719	CALC*MC TWPS 152-99 153-99 SP
90021	386580.332	1269696.575	CALC*STDSQ 36-153-99 SP LAT
90022	381145.9423	1250542.115	CALC*NESEC 11-152-100 3PT
90023	383782.1038	1250641.12	CALC*EQCOR 02-152-100 SP
90024	376088.9794	1245112.408	CALC*NESEC 15-152-100 3PT
90025	381366.3213	1245279.927	CALC*NESEC 10-152-100 2PT
90026	378727.6503	1245196.168	CALC*EQCOR 10-152-100 SP
90027	382032.5857	1245301.077	CALC*MC SECS_2&3-152-100 GLO B&D
90028	376297.8	1239839.423	CALC*NESEC 16-152-100 DP
90029	381569.7558	1240037.353	CALC*NESEC 9-152-100 SP
90030	378933.7779	1239938.388	CALC*EQCOR 9-152-100 SP
90031	379197.3772	1239948.285	CALC*MC SECS_9&10-152-100 SP
90032	384205.7386	1240136.319	CALC*EQCOR 4-152-100 SP
90033	382997.1401	1240090.943	CALC*MC SECS_3&4-152-100 SP
90034	387817.2642	1238066.716	CALC*STDSQ 36-153-100 SP LAT
90035	388026.3522	1232796.558	CALC*STDSQ 35-153-100 SP LAT
90036	388130.6531	1230163.593	CALC*STDSE 34-153-100 SP LAT
90037	388235.3237	1227530.643	CALC*STDSQ 34-153-100 SP LAT
90038	388340.364	1224897.707	CALC*STDSE 33-153-100 SP LAT
90039	388445.774	1222264.787	CALC*STDSQ 33-153-100 SP LAT
90040	388551.5537	1219631.88	CALC*STDSE 32-153-100 SP LAT
90041	388347.2157	1224726.564	CALC*NECC 1-152-101 SP LAP
90042	379559.2339	1224353.575	CALC*EQCOR 12-152-101 SP
90043	382189.5758	1224465.215	CALC*NECOR 12-152-101 SP
90044	384819.9177	1224576.855	CALC*EQCOR 1-152-101 SP
90045	376193.3897	1242475.915	CALC*NQCOR 15-152-100 SP
90046	381385.8687	1244785.314	CALC*MC SECS_3&10-152-100 GLO B&D
90047	376510.553	1234563.8	CALC*NESEC 17-152-100 DP
90048	381782.576	1234790.156	CALC*NESEC 8-152-100 3 PT
90049	376404.1765	1237201.612	CALC*NQCOR 16-152-100 SP
90050	379146.5645	1234676.978	CALC*EQCOR 8-152-100 SP
90051	384418.5848	1234875.808	CACL*EQSEC 5-152-100 SP
90052	387834.7011	1237629.423	CALC*NQCC 4-152-100 SP
90053	384098.3138	1234865.402	CALC*MC SECS_4&5-152-100 SP
90054	388147.5837	1229737.71	CALC*NECC 6-152-100 SP LAP(CONTROLS DIRECTION ONLY)
90055	376721.9102	1229304	CALC*NESEC 18-152-100 3PT
90056	381997.1899	1229527.443	CALC*NESEC 7-152-100 3PT
90057	376616.2316	1231933.9	CALC*NQCOR 17-152-100 SP
90058	379359.5501	1229415.722	CALC*EQCOR 7-152-100 SP

Point Name	Northing	Easting	Feature Code
90059	381889.883	1232158.8	CALC*NQCOR 8-152-100 SP
90060	384635.6567	1229617.403	calc*eqcor 6-152-100 glo dist holding calculated cc in river for bearing
90061	388043.4889	1232363.96	CALC*NQCC 5-152-100 SP
90062	388252.3141	1227104.762	CALC*NQCC 6-152-100 SP
90063	382097.4429	1226889.497	CALC*NQCOR 7-152-100 SP
90064	420472.207	1210372.584	CALC*NESEC 1-153-101 DP
90065	425749.719	1210604.081	CALC*NESEC 36-154-101 SP TWP LINE
90066	423110.963	1210488.332	CALC*EQCOR 36-154-101 SP TWP LINE
90067	428388.475	1210719.829	CALC*EQCOR 25-154-101 SP TWP LINE
90068	420105.9877	1220886.216	CALC*NESEC 5-153-100 SP TWP LAT
90069	420197.2967	1218248.886	CALC*NQCOR 5-153-100 SP TWP LAT
90070	420288.978	1215611.569	CALC*NESEC 6-153-100 SP TWP LAT
90071	420381.0316	1212974.265	CALC*NQCOR 6-153-100 SP TWP LAT
90072	425558.847	1215839.821	CALC*NESEC 31-154-100 DP
90073	425655.32	1213193.503	CALC*NQCOR 31-154-100 SP
90074	430930.4673	1213399.668	calc*nqcor 30-154-100 sp
90075	422923.9125	1215725.695	CALC*EQCOR 31-154-100 SP
90076	420677.942	1205097.851	CALC*NESEC 2-153-101 SP TWP LAT
90077	420574.8901	1207735.211	CALC*NQCOR 1-153-101 SP TWP LAT
90078	420885.1519	1199823.175	CALC*NESEC 3-153-101 SP TWP LAT
90079	420781.3626	1202460.506	CALC*NQCOR 2-153-101 SP TWP LAT
90080	421093.8367	1194548.556	CALC*NESEC 4-153-101 SP TWP LAT
90081	420989.3099	1197185.858	CALC*NQCOR 3-153-101 SP TWP LAT
90082	421303.9963	1189273.997	CALC*NESEC 5-153-101 SP TWP LAT
90083	421198.7321	1191911.269	CALC*NQCOR 4-153-101 SP TWP LAT
90084	415194.8114	1210178.629	CALC*NESEC 12-153-101 SP FROM WT COR
90085	415551.0859	1204907.529	CALC*NESEC 11-153-101 5 CH N OF WT COR ONLINE
90086	421515.9697	1183994.581	CALC*NESEC 6-153-101 SP TWP LAT
90087	424169.9984	1184094.567	CALC*EQCOR 31-154-101 GLO DIST S BEARING FROM NORTH
90089	425950.4674	1205327.898	CALC*NESEC 35-154-101 3PT
90090	431222.9966	1205559.207	CALC*NESEC 26-154-101 3PT
90091	423314.2047	1205212.875	CALC*EQCOR 35-154-101 SP
90092	425850.0932	1207965.989	CALC*NQCOR 36-154-101 SP
90093	426593.3353	1189485.544	CALC*NESEC 32-154-101 2PT
90094	426155.5156	1200016.648	CALC*NESEC 34-154-101 2PT
90095	426375.3111	1194754.435	CALC*NESEC 33-154-101 3PT
90096	423955.4835	1189379.062	CALC*EQCOR 32-154-101 GLO B&D
90097	426484.3232	1192119.989	CALC*NQCOR 33-154-101 SP
90098	423737.4407	1194648.418	CALC*EQCOR 33-154-101 GLO DIST S
90099	426265.4133	1197385.541	CALC*NQCOR 34-154-101 SP
90100	423518.2224	1199897.13	CALC*EQCOR 34-154-101 GLO DIST S
90101	431125.1138	1208197.392	CALC*NQCOR 25-154-101 SP
90102	428586.732	1205443.553	CALC*EQCOR 26-154-101 SP
90103	415776.4345	1199636.961	CALC*NESEC 10-153-101 3PT
90104	418414.3031	1199743.022	CALC*EQCOR 3-153-101 GLO DIST N
90105	415663.7602	1202272.245	CALC*NQCOR 11-153-101 SP
90106	411374.5067	1178351.011	CALC*NESEC 13-153-102 SP
90107	414009.5804	1178462.235	CALC*EQCOR 12-153-102 SP
90108	405878.9925	1183359.361	CALC*NESEC 19-153-101 CALC FROM WTCs
90109	403245.2922	1183255.11	CALC*EQCOR 19-153-101 SP
90110	408521.0622	1183464.51	CALC*EQCOR 18-153-101 SP
90111	418191.754	1205005.558	CALC*EQCOR 2-153-101 SP
90112	419074.2057	1183892.248	CALC*EQCOR 6-153-101 120FT N WTC
90114	390623.3582	1169559.28	CALC*SQCOR 35-153-102 SP TWP LAT
90115	390845.4412	1164283.751	CALC*SQCOR 34-153-102 SP TWP LAT
90116	393144.874	1172305.601	CALC*EQCOR 35-153-102 SP
90117	395666.4585	1175048.227	CALC*NQCOR 36-153-102 SP
90118	398414.3475	1172519.771	CALC*EQCOR 26-153-102 SP
90119	396001.8085	1167135.64	CALC*NESEC 34-153-102 3pt

Point Name	Northing	Easting	Feature Code
90120	401266.891	1167346.467	CALC*NESEC 27-153-102 3PT
90121	401158.0955	1169984.225	CALC*NQCOR 26-153-102 SP
90122	403898.98	1167462.379	CALC*EQCOR 22-153-102 SP
90123	395890.6018	1169776.599	CALC*NQCOR 35-153-102 SP
90124	393369.2758	1167030.287	CALC*EQCOR 35-153-102 SP
90125	393589.0845	1161754.111	CALC*EQCOR 35-153-102 SP
90126	404127.6557	1162185.136	CALC*EQCOR 21-153-102 SP
90127	414240.2195	1173195.288	CALC*EQCOR 11-153-102 SP MID
90128	401966.708	1151548.433	CALC*NESEC 30-153-102 DP
90129	399334.2525	1151439.29	CALC*EQCOR 30-153-102 SP
90130	396583.999	1153963.982	CALC*NQCOR 32-153-102 SP
90131	401849.2795	1154186.444	CALC*NQCOR 29-153-102 SP
90132	391188.9591	1219748.896	CALC*EQCOR 32-153-100 GLO DIST BEARING BASIS MEAN BEARING OF E LINE SEC 31 & E LINE SEC 33
90133	390980.4923	1225002.822	CALC*EQCOR 33-153-100 GLO DIST BASIS BEARING FROM AVG LINE OF FOUND MONS NORTH
90134	404498.1659	1215018.901	CALC*NESEC 19-153-100 GLO DISTANCE EAST BASIS OF BEARING FROM NW TO NQ OF SEC 19
90135	409774.0115	1215228.314	CALC*NESEC 18-153-100 2PT FROM NQ 18 & SE 18
90136	407136.0887	1215123.608	CALC*EQCOR 18-153-100 SP
90137	415049.6813	1215442.108	CALC*NESEC 7-153-100 2PT HOLDING GLO N FROM SE7 & GLO E FROM NW7
90138	412411.8464	1215335.211	CALC*EQCOR 7-153-100 SP MID
90139	415122.4464	1212803.111	CALC*NQCOR 7-153-100 GLO
90140	416934.724	1305007.203	CALC*TWP COR 153-98,153-97,154-98,154-97 DP
90141	417132.2131	1299732.159	CALC*NESEC 2-153-98 SP LAT
90142	417033.2837	1302369.674	CALC*NQCOR 1-153-98 SP LAT
90143	411661.928	1304820.681	CALC*NESEC 12-153-98 SP
90144	414298.329	1304913.942	CALC*EQCOR 1-153-98 SP
90145	403748.684	1304539.759	CALC*EQCOR 13-153-98 SP MID
90146	411860.4083	1299551.11	CALC*NESEC 11-153-98 3PT
90147	406583.753	1299363.222	CALC*NESEC 14-153-98 DP
90148	411957.6726	1296913.686	CALC*NQCOR 11-153-98 SP MID
90149	411761.1681	1302185.896	CALC*NQCOR 12-153-98 SP MID
90150	409222.0806	1299457.166	CALC*EQCOR 11-153-98 SP MID
90151	406685.22	1296727.928	CALC*NQCOR 14-153-98 SP MID
90152	406486.6595	1301998.517	CALC*NQCOR 13-153-98 SP MID
90153	401307.114	1299173.84	CALC*NESEC 23-153-98 DP
90154	401510.396	1293908.561	CALC*NESEC 22-153-98 DP
90155	404148.5415	1294000.597	CALC*EQCOR 15-153-98 SP MID
90156	403945.4335	1299268.531	CALC*EQCOR 14-153-98 SP MID
90157	401408.755	1296541.201	CALC*NQCOR 23-153-98 SP MID
90158	401207.458	1301809.773	CALC*NQCOR 24-153-98 SP MID
90159	396030.467	1298983.071	CALC*NESEC 26-153-98 DP
90160	398668.7905	1299078.456	CALC*EQCOR 23-153-98 SP
90161	386277.3126	1277579.767	CALC*SESEC31-153-98 SP LAT
90162	391757.5252	1272520.642	CALC*NESEC 36-153-99 SP
90163	397036.1164	1272713.414	CALC*NESEC 25-153-99 SP
90164	396640.6167	1283203.922	CALC*NESEC 29-153-98 3PT
90165	396835.043	1277938.223	CALC*NESEC 30-153-98 DP
90166	391556.1745	1277727.82	CALC*NESEC 31-153-98 3PT
90167	396435.5258	1288445.404	CALC*NESEC 28-153-98 3PT
90168	390957.813	1293519.542	CALC*NESEC 34-153-98 DP
90169	396234.104	1293710.94	CALC*NESEC 27-153-98 DP
90170	398872.25	1293809.751	CALC*EQCOR 22-153-98 SP MID
90171	396334.8149	1291078.172	CALC*NQCOR 27-153-98 SP MID
90172	396132.2855	1296347.006	CALC*NQCOR 26-153-98 SP MID
90173	393595.9585	1293615.241	CALC*EQCOR 27-153-98 SP MID
90174	391156.754	1288256.514	CALC*NESEC 33-153-98 DP
90175	393796.1399	1288350.959	CALC*EQCOR 28-153-98 SP MID
90176	391057.2835	1290888.028	CALC*NQCOR 34-153-98 SP MID
90177	388517.364	1288187.045	CALC*EQCOR 33-153-98 SP MID
90178	391358.862	1282986.891	CALC*NESEC 32-153-98 DP

Point Name	Northing	Easting	Feature Code
90179	396737.8298	1280571.072	CALC*NQCOR 29-153-98 SP MID
90180	393999.7393	1283095.406	CALC*EQCOR 29-153-98 SP MID
90181	394195.6087	1277833.021	CALC*EQCOR30-153-98 SP MID
90182	388916.7436	1277653.793	CALC*EQCOR 31-153-98 SP MID
90183	391457.5182	1280357.355	CALC*NQCOR 32-153-98 SP MID
90184	388717.985	1282914.986	CALC*EQCOR 32-153-98 SP MID
90185	391257.808	1285621.703	CALC*NQCOR 33-153-98 SP MID
90186	391655.1537	1275089.676	CALC*NQCOR 31-153-98 GLO DIST W HOLD N LINE 32
90187	396936.5696	1275300.096	CALC*NQCOR 30-153-98 SP
90188	396536.7045	1285807.344	CALC*NQCOR 28-153-98 GLO DIST W HOLDING N LINE SECTION 33
90189	422207.522	1305195.307	CALC*NESEC 36-154-98 SP
90190	419571.123	1305101.255	CALC*EQCOR 36-154-98 SP MID
90191	424843.921	1305289.359	CALC*EQCOR 25-154-98 SP MID
90192	427574.977	1302748.831	CALC*NQCOR 25-154-98 SP MID
90193	422310.3402	1302562.399	CALC*NQCOR 36-154-98 GLO DIST
90194	392564.7527	1251472.346	CALC*NESEC 32-153-99 DP
90195	392365.1162	1256735.26	CALC*NESEC 33-153-99 DP
90196	392141.4237	1262014.538	CALC*NESEC 34-153-99 3PT
90197	391955.3768	1267295.222	CALC*NESEC 35-153-99 3PT
90198	392464.9344	1254103.803	CALC*NQCOR 33-153-98 SP MID
90199	392253.27	1259374.899	CALC*NQCOR 34-153-98 SP MID
90200	392048.4003	1264654.88	CALC*NQCOR 35-153-98 SP MID
90201	391858.871	1269933.457	CALC*NQCOR 36-153-98 GLO DIST EAST
90202	389727.4773	1256627.913	CALC*EQCOR 33-153-99 SP MID
90203	389503.7677	1261903.315	CALC*EQCOR 34-153-99 GLO DIST SOUTH BEARING MEAN OF LINES E&W MATCHES CALC SE BEARING
90204	428792.8088	1200136.165	CALC*EQCOR 27-154-101 SP MID
90205	431319.9156	1202893.383	CALC*NQCOR 26-154-101 GLO DIST HOLDING BEARING TO WEST
90206	433859.2593	1205657.93	CALC*EQCOR 23-154-101 SP MID
90207	416836.7935	1307590.639	CALC*NQCOR 6-153-97 SP LAT
90208	415953.0101	1331322.876	CALC*NESEC 2-153-97 SP LAT
90209	431575.2681	1337123.827	CALC*NESEC 24-154-97 FROM WTC N & E
90210	421031.4745	1336772.19	CALC*NESEC 36-154-97 SP
90211	423667.423	1336860.099	CALC*EQCOR 25-154-97 SP
90212	426303.3716	1336948.008	CALC*NESEC 25-154-97 SP
90213	428939.3201	1337035.917	CALC*EQCOR 24-154-97 SP
90214	422010.0708	1310389.013	CALC*NESEC 31-154-97 3PT SP N-S GLO E
90215	427083.0155	1315868.154	CALC*NESEC 29-154-97 3PT SP N-S GLO W
90216	427282.941	1310585.422	CALC*NESEC 30-154-97 DP
90217	426885.6756	1321117.394	CALC*NESEC 28-154-97 3PT SP N-S GLO EAST
90218	421811.11	1315669.342	CALC*NESEC 32-154-97 DP
90219	419373.6339	1310308.586	CALC*EQCOR 31-154-97 SP MID
90220	424646.5059	1310487.217	CALC*EQCOR 30-154-97 SP MID
90221	427182.9783	1313226.788	CALC*NQCOR 29-154-97 SP MID
90222	421910.5904	1313029.177	CALC*NQCOR 32-154-97 SP MID
90223	419175.158	1315584.209	CALC*EQCOR 32-154-97 SP MID
90224	421613.593	1320945.713	CALC*NESEC 154-97 DP
90225	431965.327	1326577.541	CALC*NESEC 22-154-97 DP
90226	426692.932	1326393.826	CALC*NESEC 27-154-97 DP
90227	421420.544	1326219.447	CALC*NESEC 34-154-97 DP
90228	421712.3515	1318307.528	CALC*NQCOR 33-154-97 SP MID
90229	424249.6343	1321031.554	CALC*EQCOR 28-154-97 SP MID
90230	429718.9658	1315951.297	CALC*EQCOR 20-154-97 SP MID
90231	426789.3038	1323755.61	CALC*NQCOR 27-154-97 SP MID
90232	424056.738	1326306.637	CALC*EQCOR 27-154-97 SP MID
90233	432061.544	1323941.691	CALC*NQCOR 22-154-97 SP MID
90234	431865.889	1329212.732	CALC*NQCOR 23-154-97 SP MID
90235	421517.0685	1323582.58	CALC*NQCOR 34-154-97 SP MID
90236	426495.304	1331670.257	CALC*NESEC 26-154-97 DP
90237	421224.157	1331495.818	CALC*NESEC 35-154-97 DP

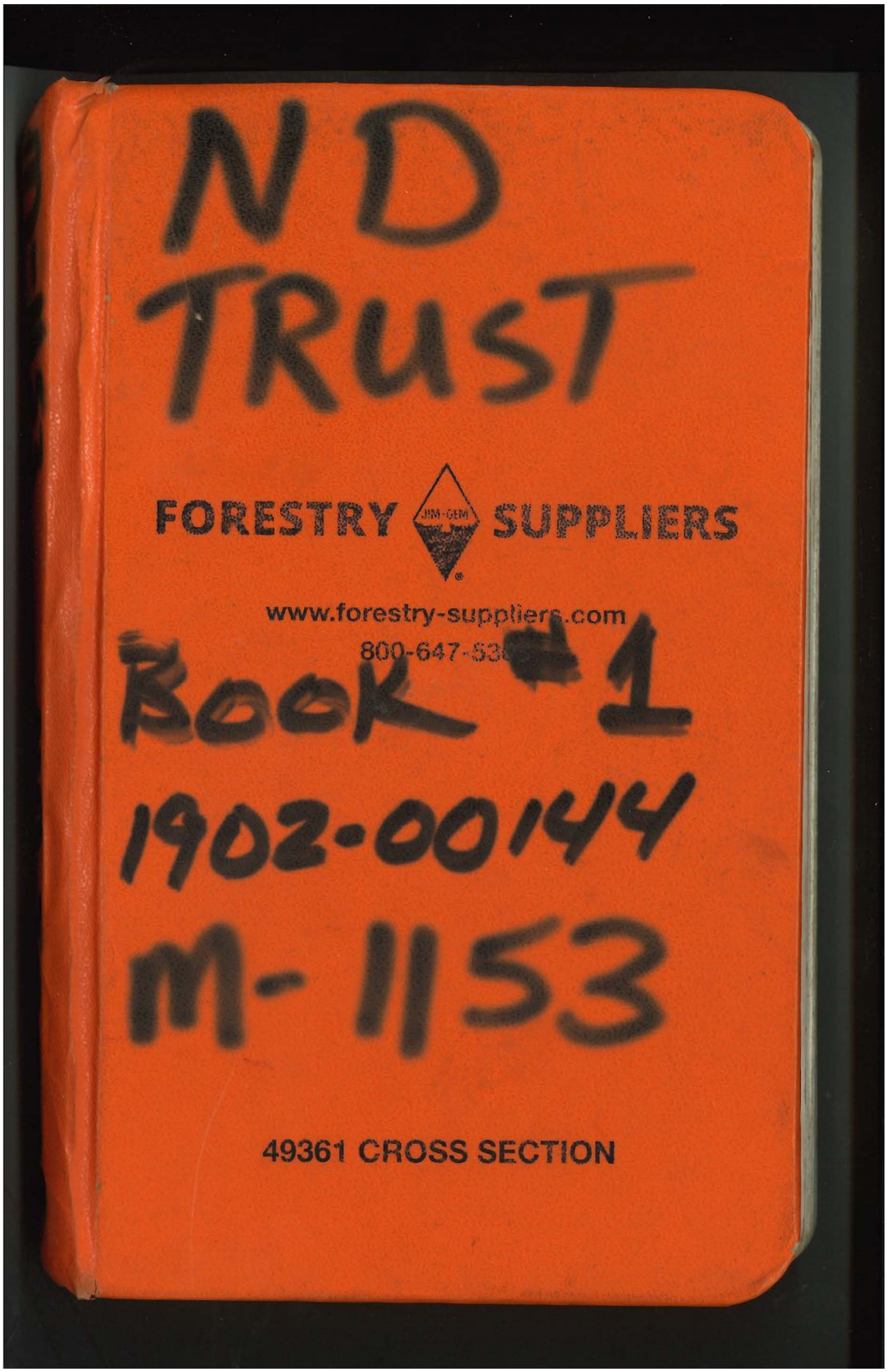
Point Name	Northing	Easting	Feature Code
90238	426594.118	1329032.042	CALC*NQCOR 26-154-97 SP MID
90239	421322.3505	1328857.633	CALC*NQCOR 35-154-97 SP MID
90240	429130.8775	1331759.09	CALC*EQCOR 23-154-97 SP MID
90241	423859.7305	1331583.038	CALC*EQCOR 26-154-97 SP MID
90242	421127.8158	1334134.004	CALC*NQCOR 36-154-97 SP MID
90243	426399.3378	1334309.133	CALC*NQCOR 25-154-97 SP MID
90244	422107.8367	1307750.824	CALC*NQCOR 31-154-97 GLO DIST WEST BEARING FROM S TWP LINE
90245	426985.2496	1318506.343	CALC*NQCOR 28-154-97 GLO DIST EAST BEARING FROM S TWP LINE
90246	418588.5836	1331409.347	CALC*EQCOR 35-154-97 SP MID
90247	431479.9579	1339760.882	CALC*NQCOR 19-154-96 SP CHK WITH TIES
90248	417272.6407	1368304.745	CALC*EQCOR 36-154-96 SP
90249	419912.9174	1368392.27	CALC*NESEC 36-154-96 SP
90250	422553.194	1368479.795	CALC*EQCOR 25-154-96 SP
90251	425193.4707	1368567.319	CALC*NESEC 25-154-96 SP
90252	427833.7474	1368654.844	CALC*EQCOR 24-154-96 SP
90253	430474.0241	1368742.369	CALC*NESEC 24-154-96 SP
90254	420097.185	1363118.303	CALC*NESEC 35-154-96 3PT
90255	420281.823	1357846.823	CALC*NESEC 34-154-96 DP
90256	420465.682	1352587.216	CALC*NESEC 33-154-96 DP
90257	420650.482	1347311.778	CALC*NESEC 32-154-96 DP
90258	420937.548	1339411.919	CALC*NQCOR 31-154-96 SP
90259	420558.082	1349949.497	CALC*NQCOR 33-154-96 SP MID
90260	420373.7525	1355217.02	NQCOR 34-154-96 SP MID
90261	420189.504	1360482.563	CALC*NQCOR 35-154-96 SP MID
90262	426114.276	1342221.851	CALC*NESEC 30-154-96 DP
90263	426208.8711	1339583.61	CALC*NQCOR 30-154-96 SP
90264	428749.5095	1342308.577	CALC*EQCOR 19-154-96 SP MID
90265	425925.366	1347498.331	CALC*NESEC 29-154-96 DP
90266	426019.821	1344860.091	CALC*NQCOR 29-154-96 SP MID
90267	428562.808	1347582.951	CALC*EQCOR 20-154-96 SP MID
90268	425739.376	1352777.45	CALC*NESEC 28-154-96 DP
90269	425832.371	1350137.891	CALC*NQCOR 28-154-96 SP
90270	423102.529	1352682.333	CALC*EQCOR 28-154-96 SP MID
90271	425556.192	1358036.783	CALC*NESEC 27-154-96 DP
90272	422919.0075	1357941.803	CALC*EQCOR 27-154-96 SP MID
90273	425647.784	1355407.117	CALC*NQCOR 27-154-96 SP MID
90274	425374.266	1363305.349	CALC*NESEC 26-154-96 DP
90275	422735.7255	1363211.826	CALC*EQCOR 26-154-96 SP MID
90276	425465.229	1360671.066	CALC*NQCOR 26-154-96 SP MID
90277	425283.8684	1365936.334	CALC*NQCOR 25-154-96 SP MID
90278	430651.344	1363479.934	CALC*NESEC 23-154-96 DP
90279	428012.805	1363392.642	CALC*EQCOR 23-154-96 SP MID
90280	430562.684	1366111.152	CALC*NQCOR 24-154-96 SP MID
90281	431013.071	1352945.833	CALC*NESEC 21-154-96 DP
90282	431106.6605	1350306.702	CALC*NQCOR 21-154-96 SP
90283	428376.2235	1352861.642	CALC*EQCOR 21-154-96 SP
90284	420003.1445	1365756.627	CALC*NQCOR 36-154-96 GLO DIST E PARALLEL W/S LINE
90285	414726.0466	1365583.6	CALC*SQCOR 36-154-96 SP LAT
90286	417458.647	1363034.149	CALC*EQCOR 35-154-96 SP MID
90287	418960.4595	1399979.389	CALC*NESEC 36-154-95 SP
90288	421601.231	1400059.456	CALC*EQCOR 25-154-95 SP
90289	424242.0025	1400139.523	CALC*NESEC 25-154-95 SP
90290	426882.7739	1400219.589	CALC*EQCOR 24-154-95 SP
90291	429523.5454	1400299.656	CALC*NESEC 24-154-95 SP
90292	424400.327	1394873.534	CALC*NESEC 26-154-95 DP
90293	424554.04	1389593.047	CALC*NESEC 27-154-95 DP
90294	424712.957	1384313.877	CALC*NESEC 28-154-95 DP
90295	424872.589	1379034.707	CALC*NESEC 29-154-95 DP
90296	425026.018	1373760.809	CALC*NESEC 30-154-95 DP

Point Name	Northing	Easting	Feature Code
90297	419749.6281	1373603.912	CALC*NESEC 31-154-95 SP
90298	419592.4574	1378876.78	CALC*NESEC 32-154-95 SP
90299	419428.3302	1384144.39	CALC*NESEC 33-154-95 SP
90300	419119.322	1394709.365	CALC*NESEC 35-154-95 SP
90301	419273.401	1389424.897	CALC*NESEC 34-154-95 DP
90302	414392.5921	1376077.113	CALC*SQCOR 32-154-95 SP LAT
90303	419670.2364	1376242.718	CALC*NQCOR 32-154-95 GLO DIST E MEAN S TWP LINE
90304	419039.9304	1397348.171	CALC*NQCOR 36-154-95 GLO DIST E MEAN S TWP LINE
90305	425111.0194	1371124.52	CALC*NQCOR 30-154-95 SP
90306	424949.3035	1376397.758	CALC*NQCOR 29-154-95 SP MID
90307	424792.773	1381674.292	CALC*NQCOR 28-154-95 SP MID
90308	424633.4985	1386953.462	CALC*NQCOR 27-154-95 SP MID
90309	424477.1835	1392233.291	CALC*NQCOR 26-154-95 SP MID
90310	424321.1647	1397506.528	CALC*NQCOR 25-154-95 SP MID
90311	422387.823	1373682.361	CALC*EQCOR 30-154-95 SP MID
90312	422232.5232	1378955.743	CALC*EQCOR 29-154-95 SP MID
90313	419350.8656	1386784.643	CALC*NQCOR 34-154-95 SP MID
90314	419196.3615	1392067.131	CALC*NQCOR 35-154-95 SP MID
90315	417111.433	1373522.012	CALC*EQCOR 31-154-95 SP MID
90316	416952.3917	1378795.453	CALC*EQCOR 32-154-95 SP MID
90317	416478.8195	1394628.679	CALC*EQCOR 35-154-95 SP MID
90318	412676.5857	1431417.204	CALC*NESEC 1-153-94 B-B INTERSECT FROM CORNER RECORDS
90319	413428.1203	1407679.152	CALC*NQCOR 5-153-94 SP LAT
90320	413343.1366	1410316.666	CALC*NESEC 5-153-94 SP LAT
90321	413258.5229	1412954.192	CALC*NQCOR 4-153-94 SP LAT
90322	413174.2791	1415591.73	CALC*NESEC 4-153-94 SP LAT
90323	413090.4052	1418229.28	CALC*NQCOR 3-153-94 SP LAT
90324	413006.9014	1420866.842	CALC*NESEC 3-153-94 SP LAT
90325	412923.7675	1423504.415	CALC*NQCOR 2-153-94 SP LAT
90326	412841.0036	1426142	CALC*NESEC 2-153-94 SP LAT
90327	412758.6097	1428779.596	CALC*NQCOR 1-153-94 SP LAT
90328	418796.3233	1405193.563	CALC*NESEC 31-154-94 SP N-S
90329	418617.5988	1410469.985	CALC*NESEC 32-153-94 SP
90330	418446.661	1415745.004	CALC*NESEC 33-154-94 SP
90331	418532.1299	1413107.494	CALC*NQCOR 33-154-94 SP MID
90332	418279.6547	1421002.038	CALC*NESEC 34-154-94 3PT
90333	415643.2781	1420934.44	CALC*EQCOR 34-154-94 SP MID
90334	418118.017	1426279.496	CALC*NESEC 35-154-94 DP
90335	418198.8359	1423640.767	CALC*NQCOR 35-154-94 SP MID
90336	415479.5103	1426210.748	CALC*EQCOR 35-154-94 SP MID
90337	424079.173	1405342.442	CALC*NESEC 30-154-94 DP
90338	423892.06	1410628.451	CALC*NESEC 29-154-94 DP
90339	424161.7228	1402704.713	CALC*NQCOR 30-154-94 SP
90340	421437.7481	1405268.002	CALC*EQCOR 30-154-94 SP MID
90341	416154.8986	1405117.606	CALC*EQCOR 31-154-94 SP MID
90342	423985.6165	1407985.447	CALC*NQCOR 29-154-94 SP MID
90343	421254.8294	1410549.218	CALC*EQCOR 29-154-94 SP MID
90344	415980.3677	1410393.325	CALC*EQCOR 32-154-94 SP MID
90345	421082.852	1415821.641	CALC*EQCOR 28-154-94 SP MID
90346	415810.4701	1415668.367	CALC*EQCOR 33-154-94 SP MID
90347	394230.6657	1430898.585	CALC*EQCOR 24-153-94 SP
90348	396865.7974	1430972.674	CALC*NESEC 24-153-94 SP
90349	399500.9291	1431046.762	CALC*EQCOR 13-153-94 SP
90350	402136.0607	1431120.85	CALC*NESEC 13-153-94 SP
90351	404771.1924	1431194.939	CALC*EQCOR 12-153-94 SP
90352	407406.3241	1431269.027	CALC*NESEC 12-153-94 SP
90353	410041.4558	1431343.115	CALC*EQCOR 1-153-94 SP
90354	410695.7276	1410239.345	CALC*EQCOR 5-153-94 SP
90355	402301.132	1425838.62	CALC*NESEC 14-153-94 DP

Point Name	Northing	Easting	Feature Code
90356	407568.434	1425992.069	CALC*NESEC 11-153-94 SP
90357	407731.428	1420716.041	CALC*NESEC 10-153-94 SP
90358	402218.5964	1428479.735	CALC*NQCOR 13-153-94 SP
90359	410362.5832	1420791.253	CALC*EQCOR 3-153-94 SP
90360	410202.0854	1426066.96	CALC*EQCOR 2-153-94 SP
90361	407984.5447	1412801.287	CALC*NQCOR 9-153-94 GLO DIST EAST
90362	407805.7493	1418077.087	CALC*NQCOR 10-153-94 GLO DIST WEST
90363	407649.931	1423354.055	CALC*NQCOR 11-153-94 SP
90364	405257.7618	1415367.309	CALC*EQCOR 9-153-94 GLO DIST NORTH
90365	405100.269	1420640.829	CALC*EQCOR 10-153-94 SP MID
90366	404934.783	1425915.345	CALC*EQCOR 11-153-94 SP MID
90367	402385.121	1423202.118	CALC*NQCOR 14-153-94 SP MID
90368	380729.5703	1441082.362	CALC*SESEC 32-153-93 SP LAT
90369	380652.6084	1443721.175	CALC*SQCOR 33-153-93 SP LAT
90370	380576.0152	1446359.999	CALC*SESEC 33-153-93 SP LAT
90371	380499.7908	1448998.834	CALC*SQCOR 34-153-93 SP LAT
90372	380423.9352	1451637.679	CALC*SESEC 34-153-93 SP LAT
90373	380348.4485	1454276.535	CALC*SQCOR 35-153-93 SP LAT
90374	380273.3305	1456915.401	CALC*SESEC 35-153-93 SP LAT
90375	380198.5813	1459554.278	CALC*SQCOR 36-153-93 SP LAT
90376	382903.8412	1456985.092	CALC*EQCOR 35-153-93 SP MID
90377	385691.403	1451775.443	CALC*NESEC 34-153-93 DP
90378	385612.8775	1454415.113	CALC*NQCOR 35-153-93 SP MID & MC
90379	383057.6691	1451706.561	CALC*EQCOR 34-153-93 SP MID
90380	388325.137	1451846.566	CALC*EQCOR 27-153-93 SP MID
90381	385845.512	1446509.282	CALC*NESEC 33-153-93 DP
90382	391115.008	1446649.665	CAL*NESEC 28-153-93 DP
90383	391036.9395	1449283.677	CALC*NQCOR 27-153-93 SP MID
90384	388480.26	1446579.474	CALC*EQCOR 28-153-93 SP MID
90385	385768.4575	1449142.363	CALC*NQCOR 34-153-93 SP MID
90386	383210.7636	1446434.64	CALC*EQCOR 33-153-93 SP MID
90387	386004.647	1441215.415	CALC*NESEC 32-153-93 DP
90388	391279.725	1441365.818	CALC*NESEC 29-153-93 DP
90389	396554.802	1441500.17	CALC*NESEC 20-153-93 DP
90390	401829.879	1441639.572	CALC*NESEC 17-153-93 DP
90391	383367.1086	1441148.888	CALC*EQCOR 32-153-93 SP MID
90392	385925.0795	1443862.349	CALC*NQCOR 33-153-93 SP MID
90393	388642.186	1441290.617	CALC*EQCOR 29-153-93 SP
90394	391197.3665	1444007.742	CALC*NQCOR 28-153-93 SP
90395	393917.2635	1441432.994	CALC*EQCOR 20-153-93 SP
90396	399192.3405	1441569.871	CALC*EQCOR 17-153-93 SP
90397	386083.7545	1438577.72	CALC*NQCOR 32-153-93 SP
90398	391434.625	1436091.201	CALC*NESEC 30-153-93 DP
90399	396706.388	1436224.564	CALC*NESEC 19-153-93 DP
90400	401978.151	1436363.86	CALC*NESEC 18-153-93 DP
90401	407249.9145	1436491.895	CALC*NESEC 7-153-93 3PT
90402	388798.7435	1436015.613	CALC*EQCOR 30-153-93 SP
90403	391357.175	1438728.51	CALC*NQCOR 29-153-93 SP
90404	394070.5065	1436157.883	CALC*EQCOR 19-153-93 SP
90405	396630.595	1438862.367	CALC*NQCOR 20-153-93 SP
90406	399342.2695	1436294.212	CALC*EQCOR 18-153-93 SP
90407	401904.015	1439001.716	CALC*NQCOR 17-153-93 SP
90408	404614.0328	1436427.878	CALC*EQCOR 7-153-93 SP
90409	407179.6653	1439132.941	CALC*NQCOR 8-153-93 SP
90410	407320.1111	1433852.829	CALC*NQCOR 7-153-93 GLO DIST W BEARING OF N LINE SEC 8
90411	402057.5825	1433726.531	CALC*NQCOR 18-153-93 SP
90412	396786.3726	1433589.396	CALC*NQCOR 19-153-93 SP
90413	391515.2003	1433453.894	CALC*NQCOR 30-153-93 SP
90414	379964.2852	1467465.463	CALC*SESEC 31-153-92 SP LAT

Point Name	Northing	Easting	Feature Code
90415	379888.2455	1470101.787	CALC*SQCOR 32-153-92 SP LAT
90416	379879.9408	1470391.157	CALC*NECC 2-152-93 SP LAP
90417	380637.2706	1444249.599	CALC*NWCC 6-152-93 SP LAP
90418	380490.6882	1449315.495	CALC*NECC 6-152-93 SP LAP
90419	371284.5805	1456968.004	CALC*MP 71
90420	371213.2266	1459602.167	CALC*CC SECS 9/10-152-93 SP
90421	371213.1731	1459604.144	CALC*MP 70.5 SP
90422	371141.7656	1462240.284	CALC*MP 70 SP
90423	371075.7137	1464678.714	CALC*MC RT BANK MO RIVER SP
90424	371013.4107	1466978.746	CALC*MC LT BANK MO RIVER
90425	370998.9507	1467512.564	CALC*MP 69 SP
90426	370927.5432	1470148.704	CALC*MP 68.5 SP
90427	374184.1956	1464960.671	CALC*NESEC 10-152-93 3PT
90428	374328.452	1459686.368	CALC*NESEC 9-152-93 DP
90429	374486.3097	1454412.065	CALC*NESEC 8-152-93 3PT
90430	377125.1751	1454489.457	calc*eqcor 5-152-93 glo dist n bearing based mean of sec lines e & w
90431	374638.431	1449137.762	CALC*NESEC 7-152-93 DP
90432	377279.3414	1449217.966	CALC*EQCOR 6-152-93 SP
90433	374562.3704	1451774.914	CALC*NQCOR 8-152-93 SP
90434	371847.3513	1454337.915	CALC*EQCOR 8-152-93 SP
90435	374407.3809	1457049.217	CALC*NQCOR 9-152-93 SP
90436	371691.778	1459615.102	CALC*EQCOR 9-152-93 SP
90437	376965.1263	1459760.953	CALC*EQCOR 4-152-93 SP
90438	374256.3238	1462323.52	CALC*NQCOR 10-152-93 SP
90439	374113.1178	1467597.823	CALC*NQCOR 11-152-93 SP
90440	376823.1397	1465035.33	CALC*EQCOR 3-152-93 SP
90441	376681.0747	1470305.577	CALC*EQCOR 2-152-93 FROM SURVEYS
90442	380114.822	1462489.253	CALC*NQCOR 3-152-93 SP
90443	379955.8293	1467758.631	CALC*NQCOR 2-152-93 SP LAT
90444	380415.0278	1451949.064	CALC*NQCC 5-152-93 AVG LAP PROPORTION
90445	380264.809	1457216.234	CALC*NQCC 4-152-93 AVG LAP PROPORTION
90446	396214.8983	1225210.543	CALC*EQCOR 28-153-100 CALC GLO DIST S AVG BEARING FROM OS
90447	398968.177	1222664.249	CALC*NQCOR 28-153-100 GLO DIST W BEARING FROM S TWP LINE
90448	399073.53	1220026.352	CALC*NESEC 29-153-100 GLO DIST W BEARING FROM S TWP LINE
90449	404349.1126	1220242.288	CALC*NESEC 20-153-100 2PT FROM NE29 & NE21
90450	404238.8708	1222883.948	CALC*NQCOR 21-153-100 SP
90451	401711.3213	1220134.32	CALC*EQCOR 20-153-100 SP
90452	396435.7387	1219918.384	CALC*EQCOR 29-153-100 GLO DIST S BEARING BASED ON E LINE SEC 20
90453	399178.883	1217388.455	CALC*NQCOR 29-153-100 GLO DIST W BEARING MEAN S TWP LINE
90454	417650.9471	1215509.625	CALC*EQCOR 6-153-100 GLO DIST S
90455	417467.9865	1220783.504	CALC*EQCOR 5-153-100 GLO DIST S
90456	409668.6584	1217866.211	CALC*NQCOR 17-153-100 GLO DIST E
90457	409563.3054	1220504.108	CALC*NESEC 17-153-100 GLO DIST E
90458	412201.1495	1220610.779	CALC*EQCOR 8-153-100 GLO DIST N
90459	393618.4023	1225107.849	CALC*NESEC 33-153-100 GLO DIST N BASED ON MEAN LINE OF FOUNDS N
190161	386277.236	1277579.767	CALC*SESEC31-153-98 SP SET
200000	396223.65	1161865.637	CALC*NESEC*33-153-102 3PT
200001	401493.0284	1162067.345	CALC*NESEC 28-153-102 3PT
200002	401731.8509	1156824.455	CALC*NESEC*29-153-102 3PT
200010	416644.656	1178573.46	SWSEC*CALC 6-153-101
200013	416542.071	1181144.95	SQCOR*6-153-101 SP
200014	418842.395	1189165.4	EQCOR*5-153-101 2IN AC LS-7538
500011	446605.999	1355640.126	RTK*1.5IN AC ND DOT PLS 1139
500013	417561.185	1321283.856	GPS*NAIL
500024	390794.52	1430631.118	RTK REBAR
60000	431027.231	1210835.577	NESEC 25-154-101 FD
60001	380516.596	1266249.199	NWSEC*9-152-99 OS RB
60002	433666.223	1210945.12	EQCOR 24-154-10 FD 1.5 BC
60003	436157.321	1211048.296	WCCOR NECOR-24-154-101 FD T-IRON

FIELD BOOKS


ND
TRUST
FORESTRY SUPPLIERS
JIM-GEM
www.forestry-suppliers.com
800-647-53
BOOK #1
1902-00144
M-1153
49361 CROSS SECTION

DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING

Roadway of any Width. Side Slopes 1½ to 1.

In the figure below: opposite 7 under "Cut or Fill" and under .3 read 11.0, the distance out from the side stake at left. Also, opposite 11 under "Cut or

SLOPE STAKE

VRS

CELL PHONE

GO TO "SETTINGS" ICON
CLICK "NETWORK & INTERNET"
CLICK "MOBILE HOTSPOT & TETHERING"
SLIDE BAR OVER NEXT TO "MOBILE HOTSPOT" SHOULD TURN GREEN
IF YOU DON'T SEE YOUR NETWORK ON COLLECTOR (OR DON'T REMEMBER NAME), CLICK "SETUP MOBILE HOTSPOT" TO SEE NETWORK NAME, CLICK "SHOW PASSWORD" BOX FOR THE PASSWORD

(DON'T NEED TO MESS WITH THIS)

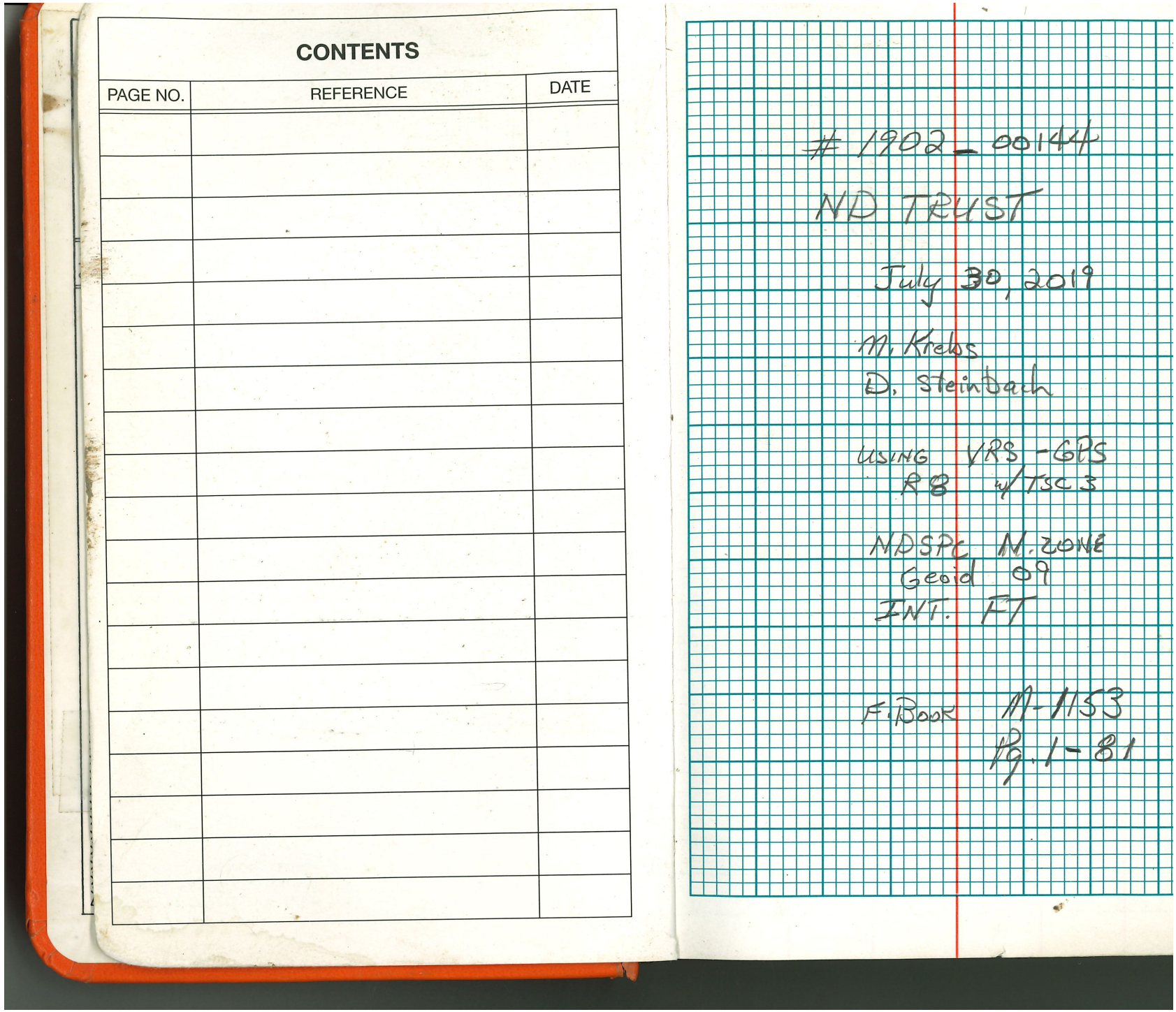
COLLECTOR

CLICK WINDOWS BUTTON (TOP LEFT)
SCROLL TO "SETTINGS"
SCROLL TO "CONNECTIONS" FOLDER
CLICK "Wi-Fi"
CLICK YOUR NETWORK "VERIZON MOTO Z3 3790"
HIT "NEXT", HIT "NEXT", HIT "FINISH"
IT SHOULD NOW SAY "CONNECTING" & WAIT UNTIL IT SAYS "CONNECTED"
CLICK "OK" AT BOTTOM RIGHT
CLICK ⊗ AT " "
HIT "MEASURE"
"VRS"
"MEASURE POINTS"

30	45.0	45.2	45.3	45.5	45.6	45.8	45.9	46.1	46.2	46.4	30
31	46.5	46.7	46.8	47.0	47.1	47.3	47.4	47.6	47.7	47.9	31
32	48.0	48.2	48.3	48.5	48.6	48.8	48.9	49.1	49.2	49.4	32
33	49.5	49.7	49.8	50.0	50.1	50.3	50.4	50.6	50.7	50.9	33
34	51.0	51.2	51.3	51.5	51.6	51.8	51.9	52.1	52.2	52.4	34
35	52.5	52.7	52.8	53.0	53.1	53.3	53.4	53.6	53.7	53.9	35
36	54.0	54.2	54.3	54.5	54.6	54.8	54.9	55.1	55.2	55.4	36
37	55.5	55.7	55.8	56.0	56.1	56.3	56.4	56.6	56.7	56.9	37
38	57.0	57.2	57.3	57.5	57.6	57.8	57.9	58.1	58.2	58.4	38
39	58.5	58.7	58.8	59.0	59.1	59.3	59.4	59.6	59.7	59.9	39
40	60.0	60.2	60.3	60.5	60.6	60.8	60.9	61.1	61.2	61.4	40

1-94 Business Loop East
Box 290
Jamestown, ND 58402
701-483-1284 www.kljeng.com

The paper in this book is made of 50% high grade rag stock with a WATER RESISTING surface sizing.



CONTENTS

PAGE NO.	REFERENCE	DATE

1902 - 00144

ND TRUST

July 30, 2019

M. Krebs
D. Steinbach

USING VRS - GPS
RB w/ TSC 3

NDSPC N. ZONE
Geoid 09
INT. FT

F. BOOK M-1153
Pg. 1-81

7-30-19
M. Clear
80's
M. Krebs
D. Steinbach

USING VRS

A1 Check Pt # 1 BM Road

Diff # H = 0.07
V = 0.25

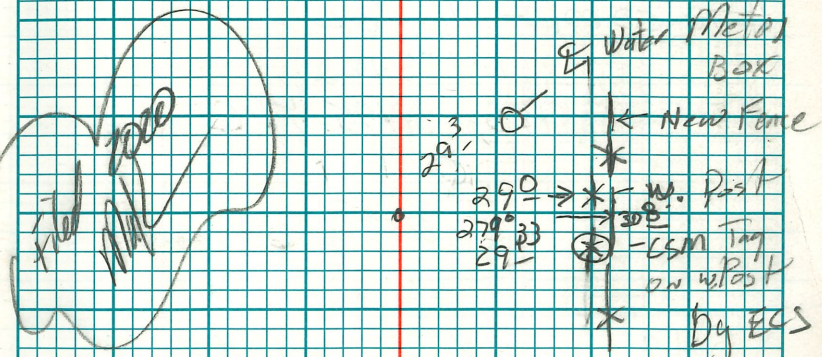
A15002 Check Pt # 15002
CS 1241 Yellow Cap

50,000 W1/4 - 1 - 153 - 102
Golden Field Serv.
PLS 8 ? Not Readable
0.5↓ E Rd N-S

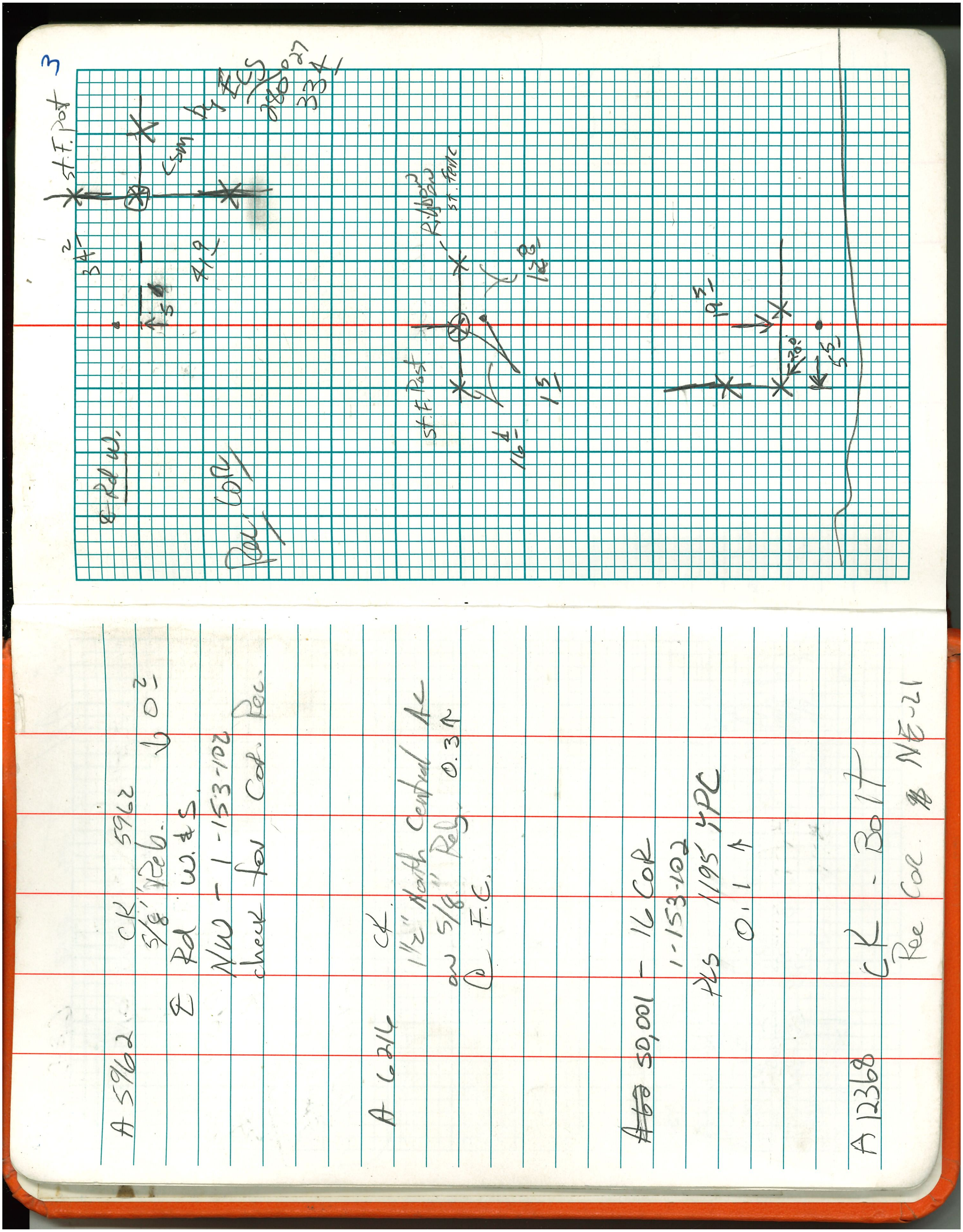
Note: All Ties are GRID Az. (2)

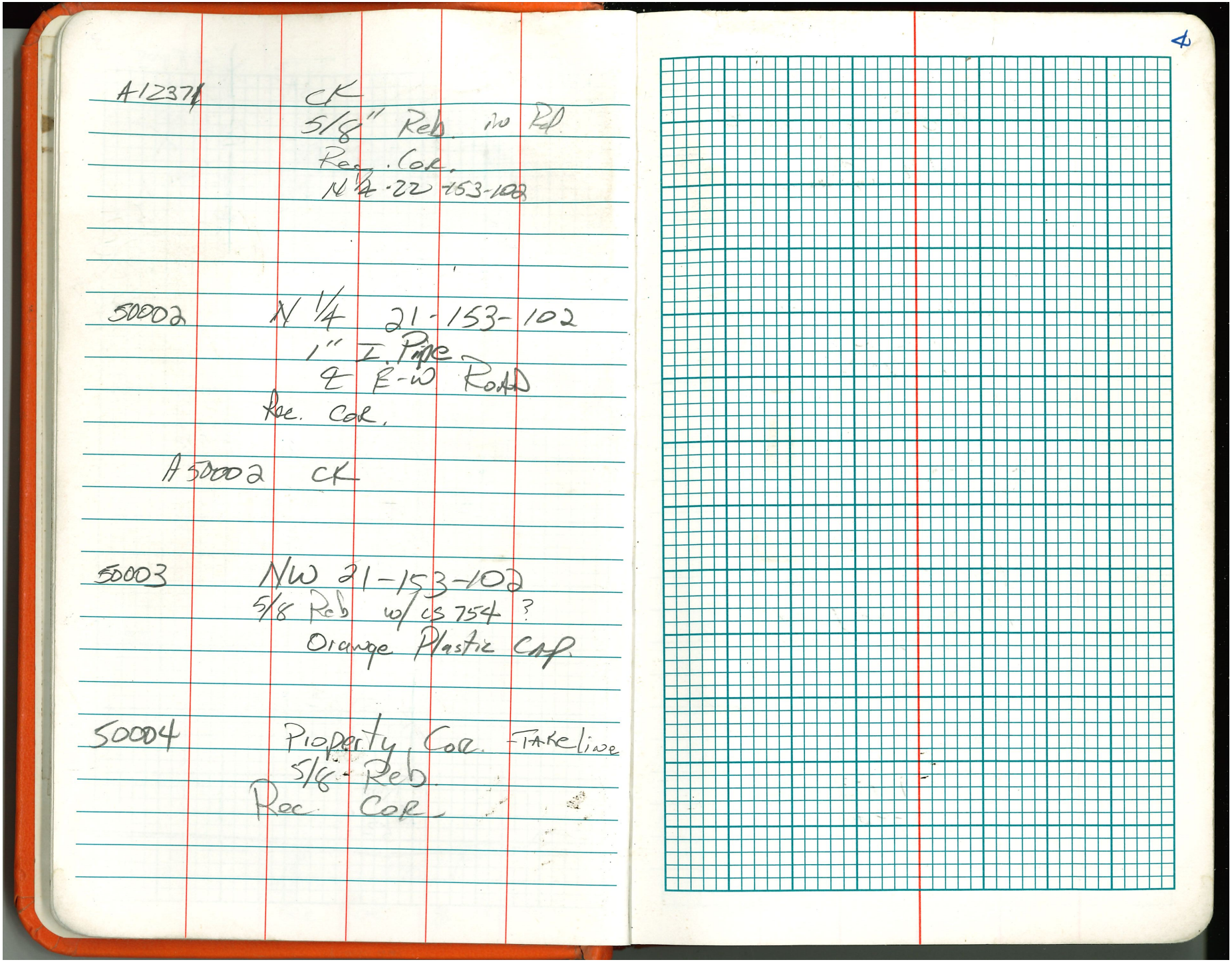
Photo's Taken ON
PT # A's

Example A 50,001
A's are All check points
USING NDSPC - N. ZONE
INT. FT



North Dakota Board of University and School Lands


A 5962 CK 5962
5/8" Reb. ↓ 0.2
E Rd W. & S.
NW - 1-153-102
check for Cor. Rec.
A 6216 CK.
1½" North Central AC
on 5/8" Reb. 0.3 ↑
@ F.C.
50,001 - 16 CoR
1-153-102
PLS 1195 YPC
0.1 ↑
A 12368 CK - Bolt
Rec Cor. NE-21
3
st. F. Post
E Rd W.
Rec. Cor.
st. F Post
st. fence



A12374 CK
5/8" Reb in Rd
Reg. Cor.
N¼-22-153-102

50002 N ¼ 21-153-102
1" I. Pipe
& E-W Road
Rec. Cor.

A50002 CK

50003 NW 21-153-102
5/8 Reb w/ LS 754 ?
Orange Plastic Cap

50004 Property Cor. -Takeline
5/8" Reb
Rec Cor.

4

50005 N 1/4 - 20 - 153-102
5/8" Reb No. CAP

Recorded Cor.

50006 NW - 20 - 153-102
A.C. - unReadable
Between RR - Spur Line
Tracks

50007 w 1/4 19 - 153-102
O.S. w/ 4352 Ac
on si side
Rec. Cor.

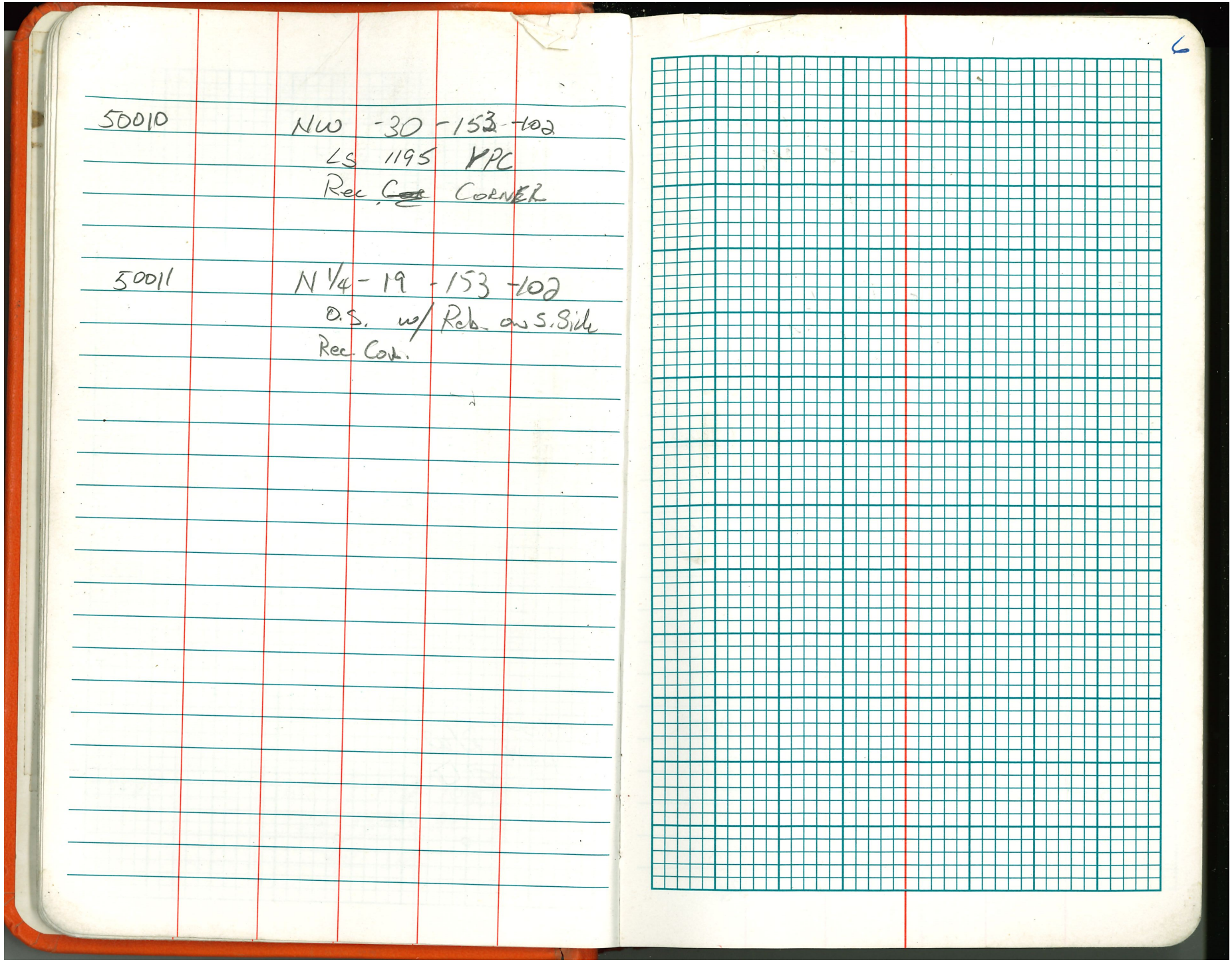
50008 16 COR Fd. 5/8 Reb.
Rec Cor.

50009 SW - 19 - 153-102
LS 7540 Ac
Rec. Cor

5

3' - stone

Conc. R/W
Hwy
70



50010 NW -30-153-102
LS 1195 PPC
Rec. Cor. CORNER

50011 N 1/4 - 19 - 153 - 102
O.S. w/ Rebar on S. Side
Rec. Cor.

7-31-19

M. Clear
Calm 80's
M. Krebs
D. Steinbach

Survey Cont
using VRS

BC Chk #1

Diff H = ~~0.0~~ 0.10
V = 0.34

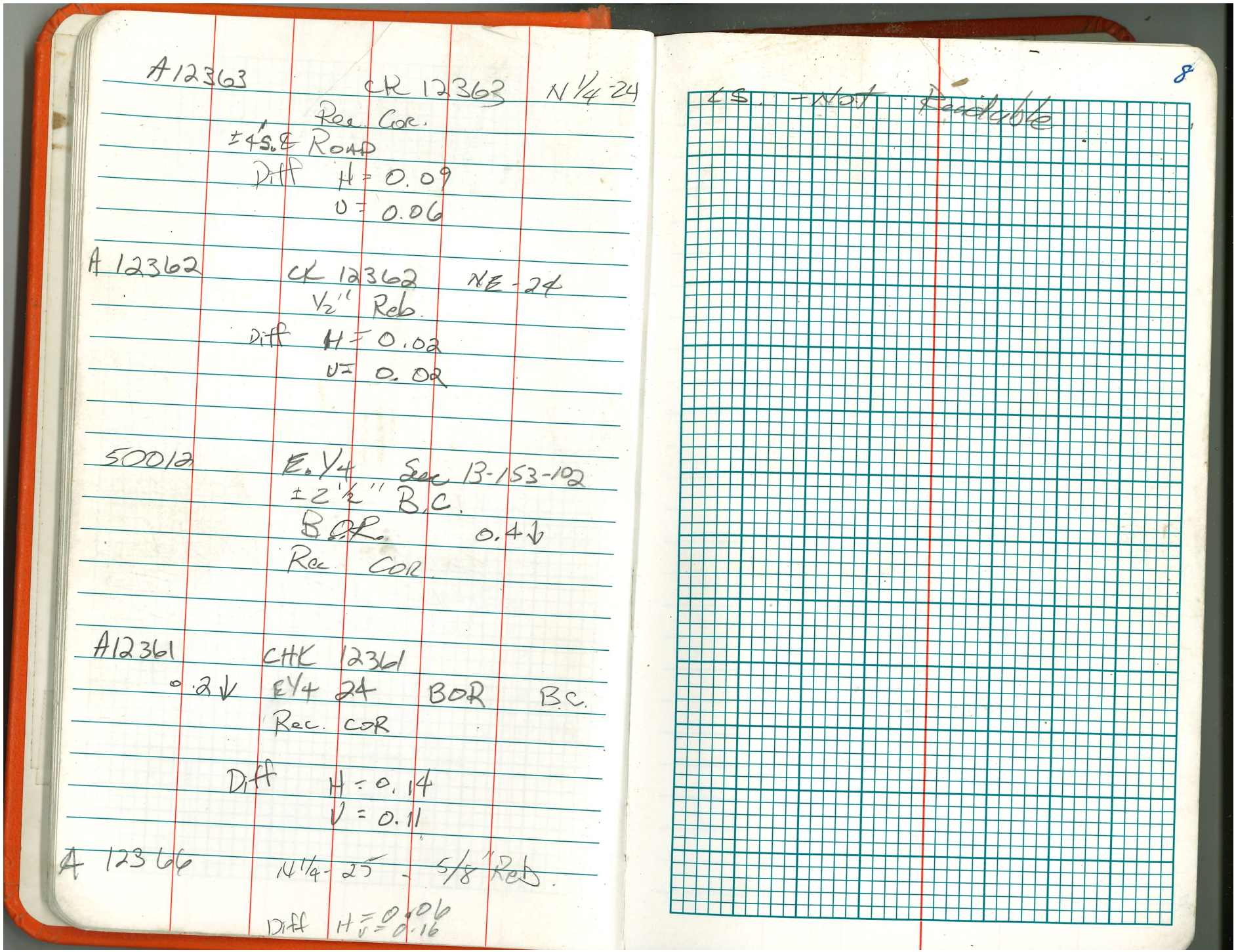
A 12372 CK 12372 NW-23
Reb. ± 2'↓
Diff H=0.26 Between CMP
V=0.1 w/ LSM Tag to NW
dist/ checks Tag.
Az , Rec. Cor

A 12367 CK 12367
S¼ 14
℄ E-W Rd
Diff
H = 0.02
V = 0.02
Rec. Cor

A12364 CK 12364
Rec. Cor.
H = 0.03
V = 0.02

7

Forgot to take photo
In Trees Accepted
"Orig. shot Due to Enter
Poor Init. Precisions"



A12363 CK 12363 N 1/4-24
Rec. Cor.
±45.& Road
Diff H = 0.09
V = 0.06

A 12362 CK 12362 NE-24
½" Reb.
Diff H = 0.02
V = 0.02

50012 E. 1/4 Sec 13-153-102
±2½" B.C.
BOR. 0.4↓
Rec COR.

A12361 CHK 12361
0.2↓ E1/4 24 BOR B.C.
Rec. COR

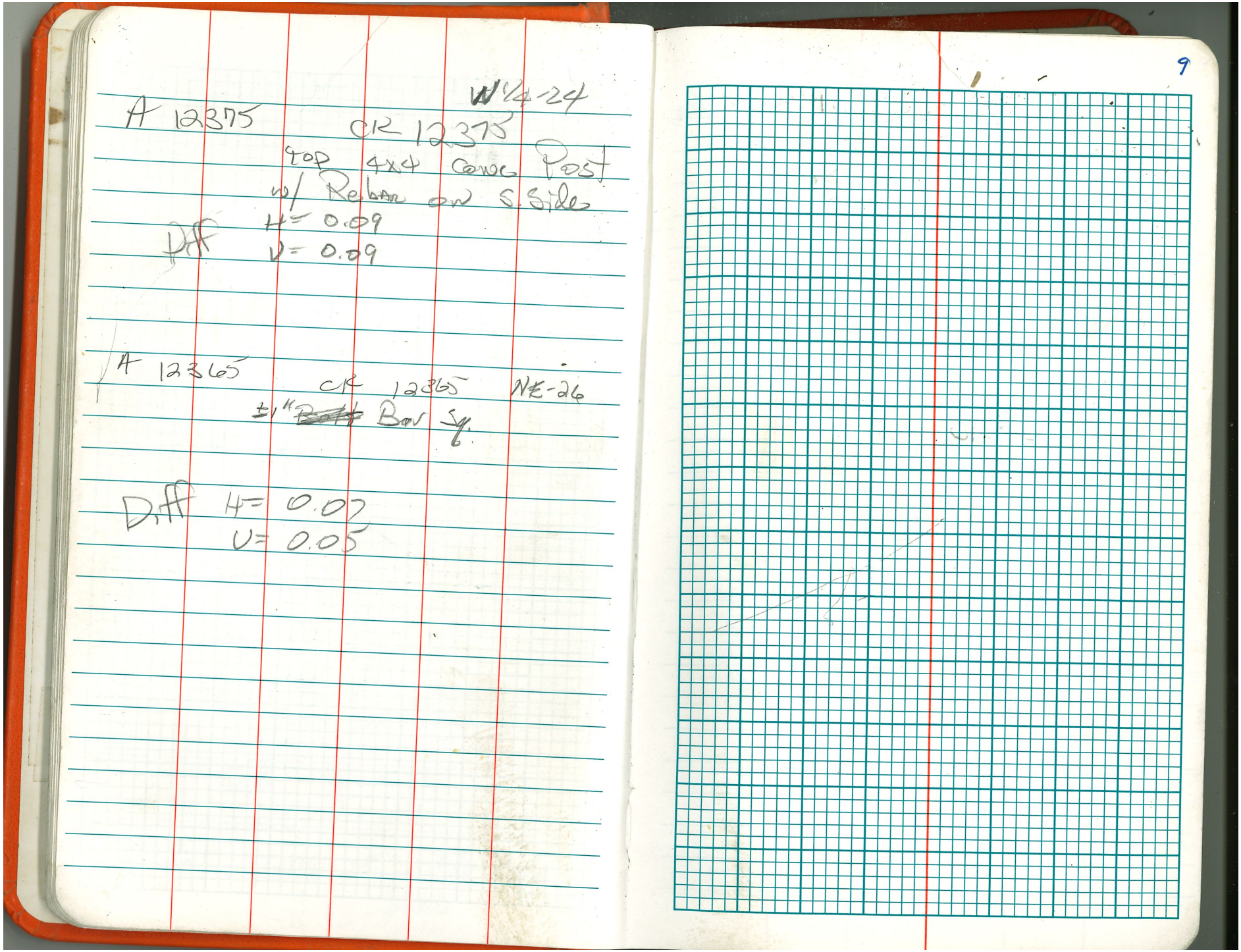
Diff H = 0.14
V = 0.11

A 12366 N 1/4-25 - 5/8" Reb.

Diff H = 0.06
V = 0.16

8

±5. = Not Readable


W½-24
A 12375
CR 12375
Top 4x4 Conc Post
w/ Rebar on S. Side
Diff H= 0.09
V= 0.09
A 12365
CR 12365
NE-26
±1" Bar Sq.
Diff H= 0.07
V= 0.05
9

8-6-19
Clear

USING URS system

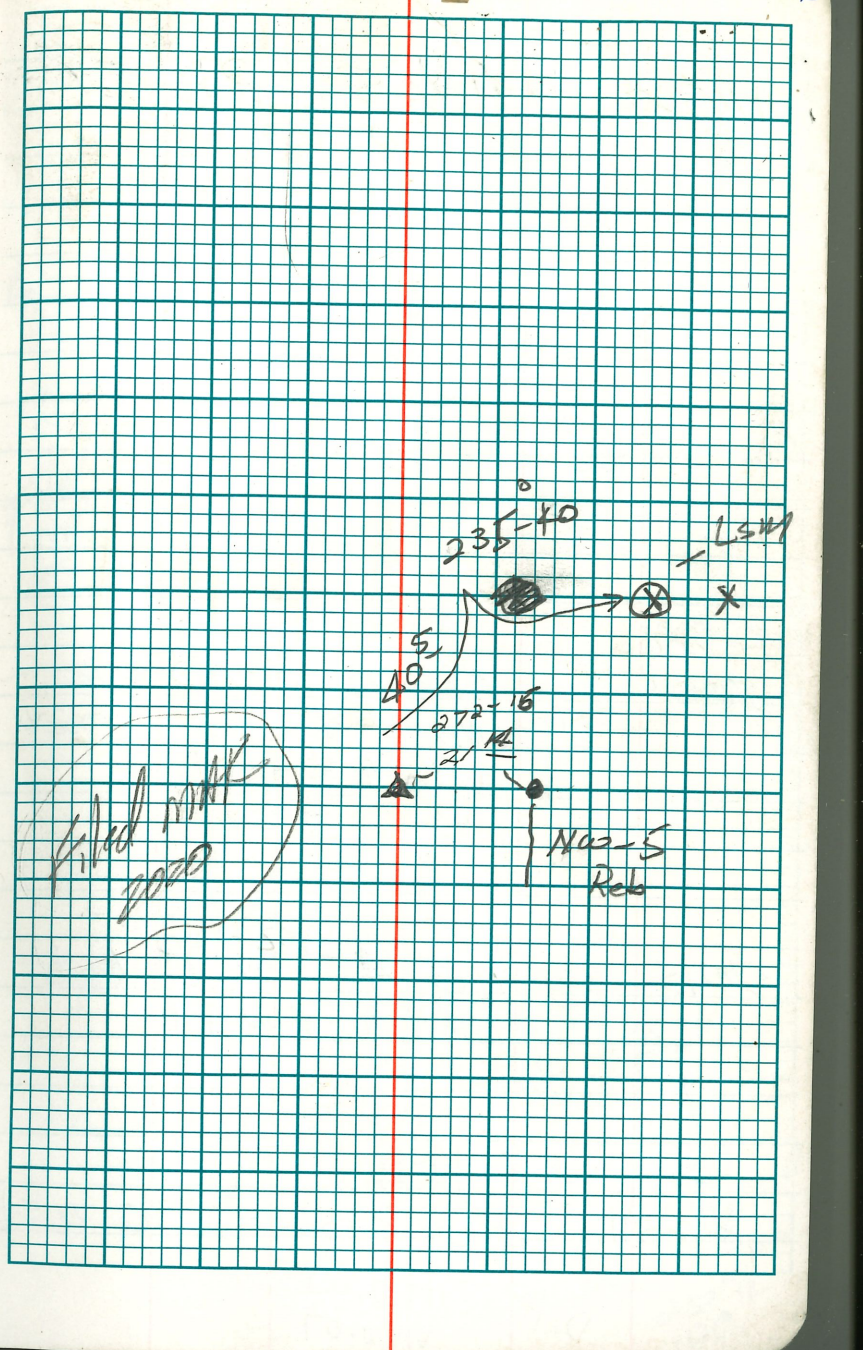
M. Krebs
D. Steinbach

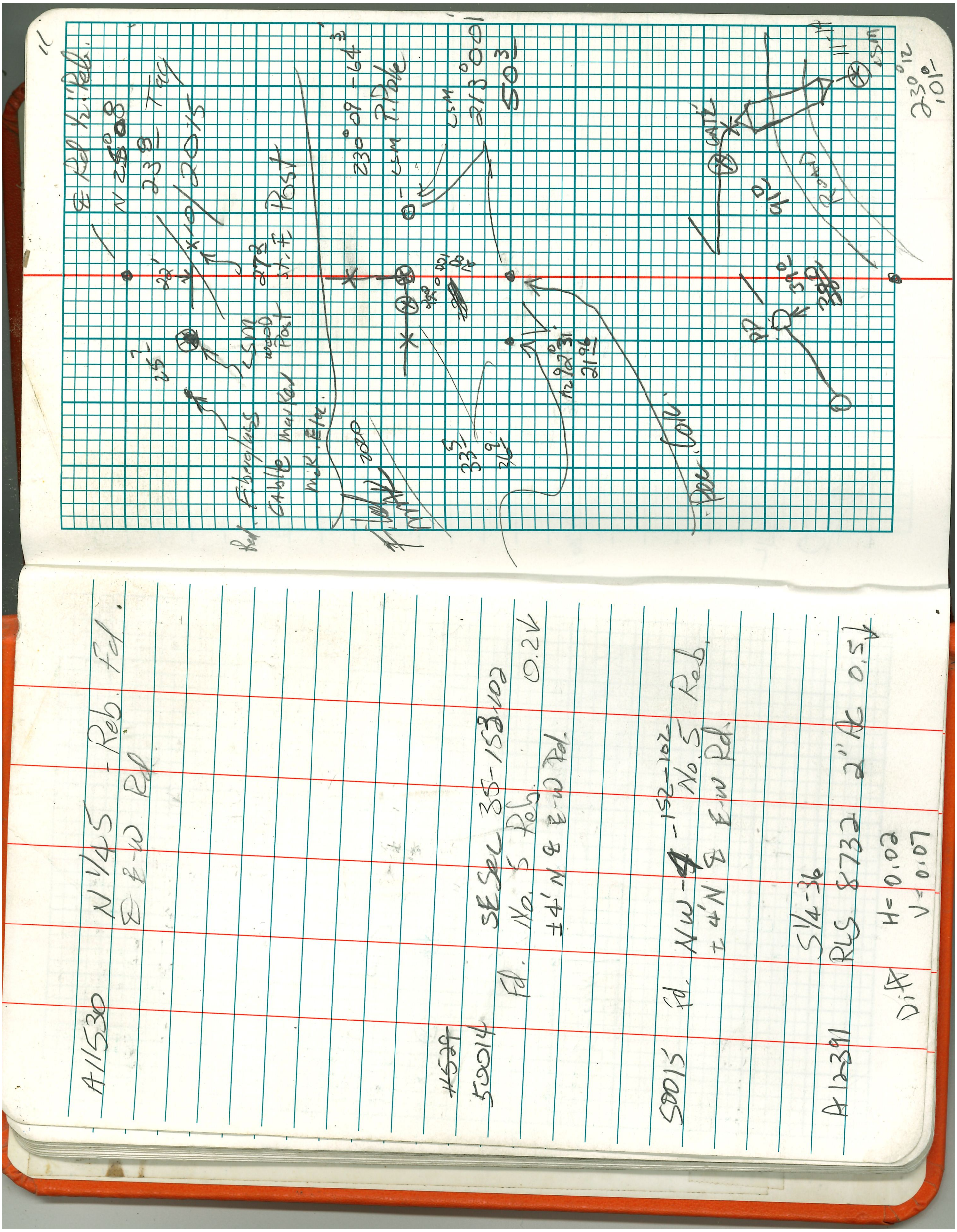
A11528 NW-5 Reb. CK.
Rec. corr.

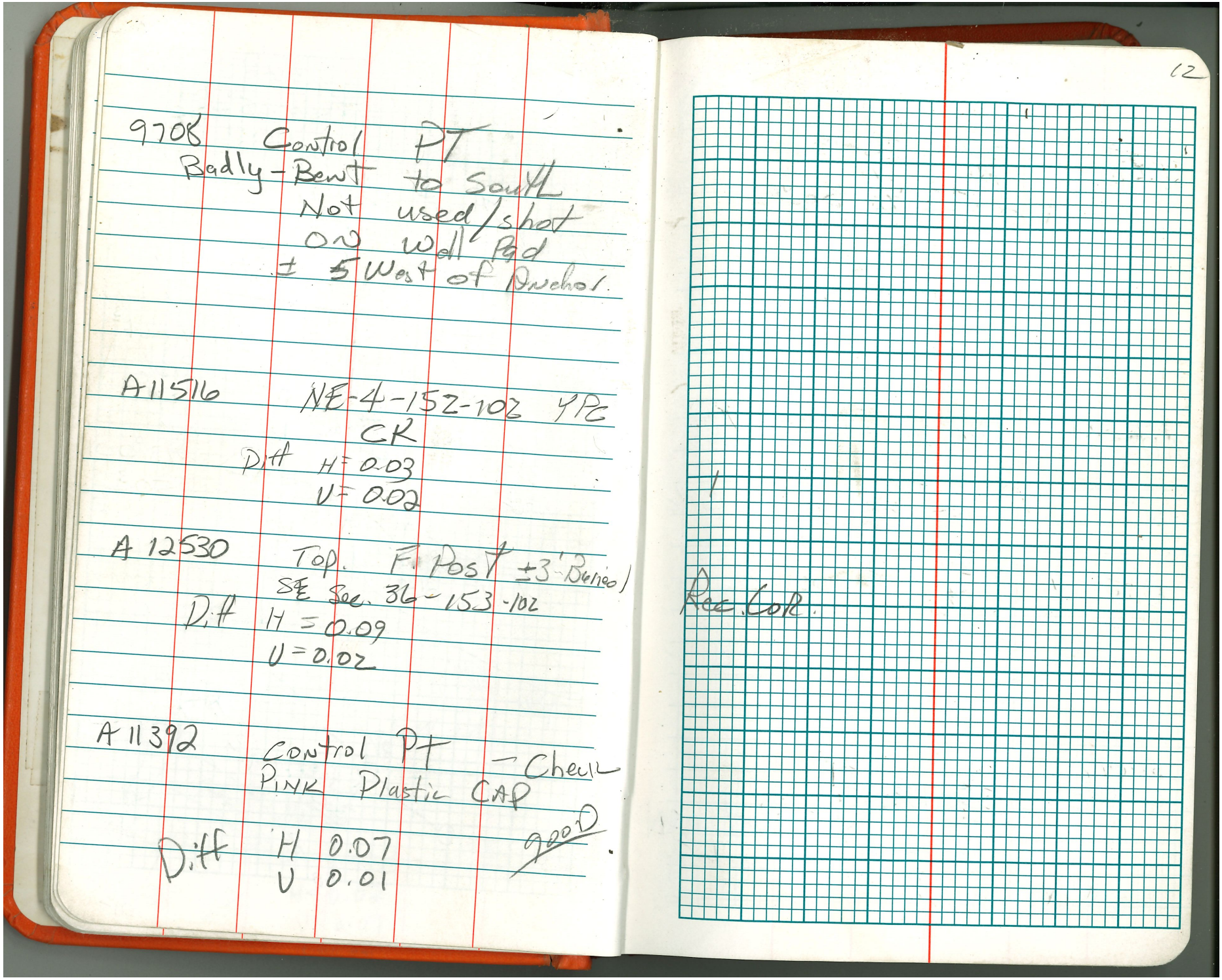
Diff H = 0.10
V = 0.11

50013 SW Sec. 35-153-102
AC Not leadable
2-? 2" cap.
Approx ℄ E-W Rd.

H = 0.101
V = 0.02




A11530 N 1/4 S - Reb. Fd.
E E-W Rd.
50014 SE Sec 35-153-102
Fd. No. 5 Reb. 0.2↓
±4' N & E-W Rd.
50015 Fd. NW-4-152-102 No. 5 Reb.
± 4' N & E-W Rd.
S 1/4-36
A12391 RLS 8732 2" AC 0.5↓
Diff H= 0.02
V= 0.07
E Rd 1/2" Reb.
N 25° 08'
23 8 Tag
20 15
Fiberglass Cable marked Mk. Elec.
CSM Wood Post
St. E Post
230° 09' - 64 3
CSM T. Pole
CSM 213° 00' 1"
50 3
Pec. Cor.
GATE
PP
Road
CSM
230° 12'
101



9708 Control PT
Badly Bent to South
Not used/shot
on Well Pad
± 5 West of Anchor.

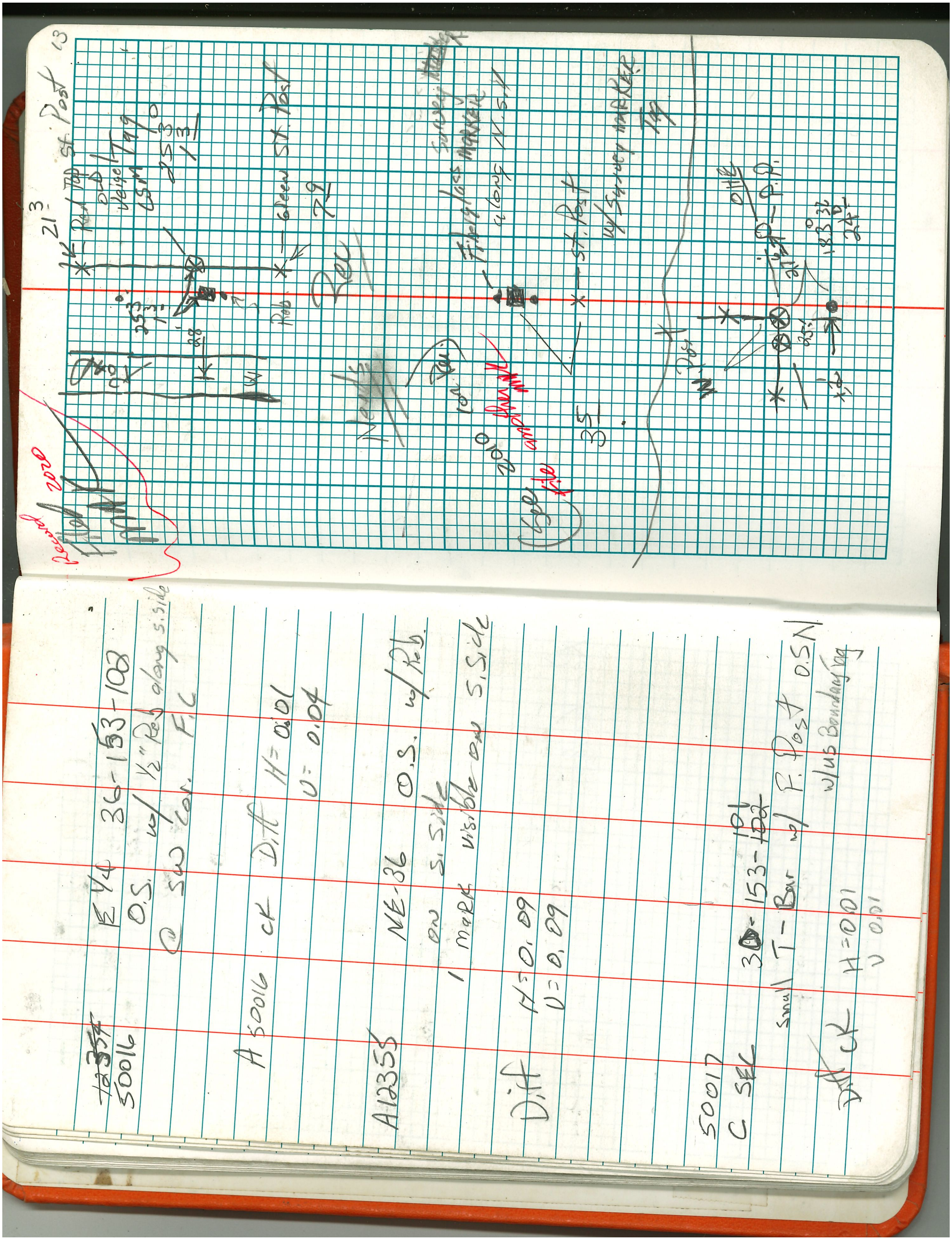
A11516 NE-4-152-102 YPC
CK
Diff H = 0.03
V = 0.02

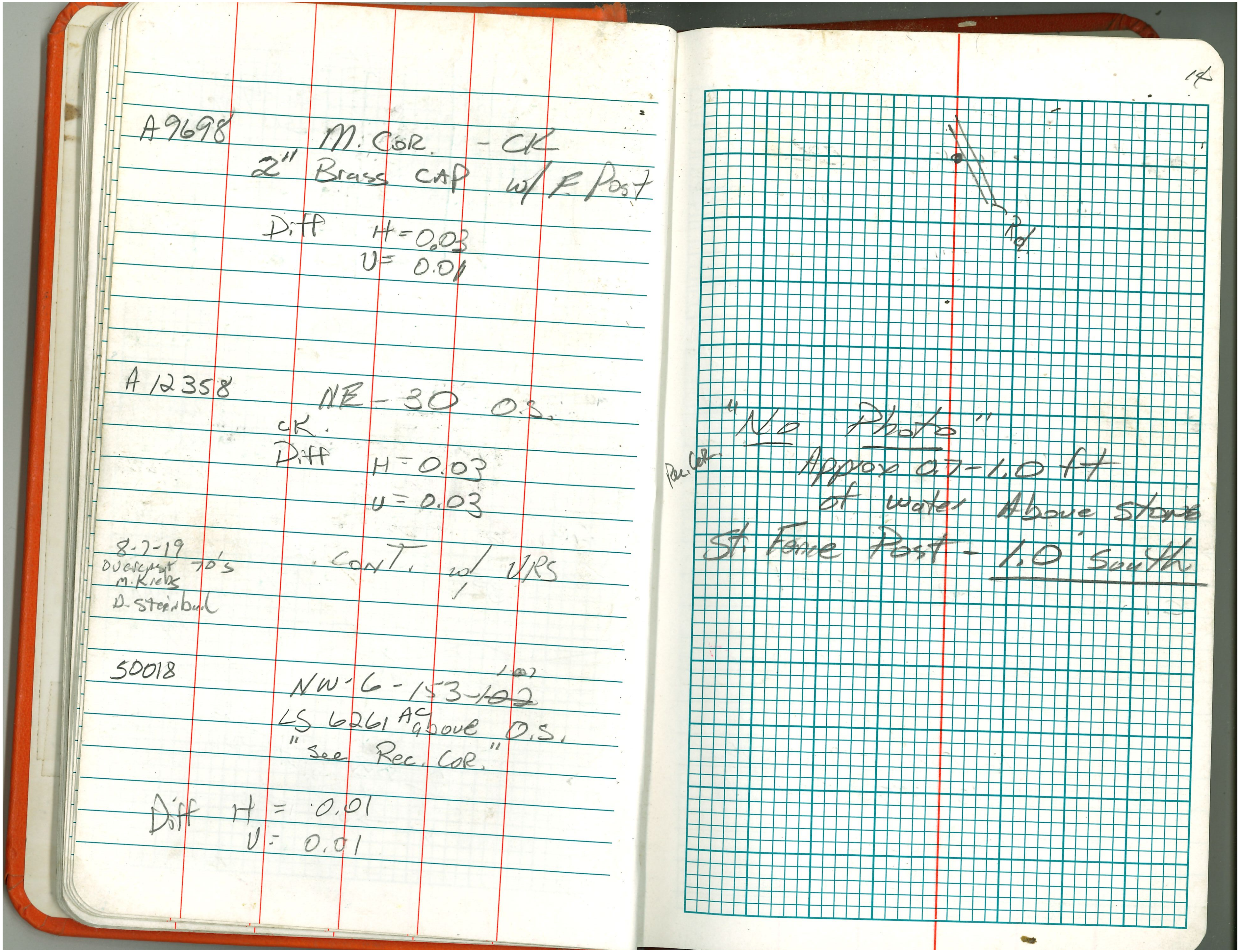
A 12530 Top. F. Post ± 3' Buried
SE Sec. 36-153-102
Diff H = 0.09
V = 0.02

A 11392 Control PT - Check
Pink Plastic Cap
Good
Diff H 0.07
V 0.01

12

Rec. Cor.


12354
50016
E 1/4 36-153-102
O.S. w/ 1/2" Reb along S. side
@ SW Cor. F.C
A 50016 ck Dif H= 0.01
V= 0.04
A12355 NE-36 O.S. w/ Reb.
on S. Side
1 mark visible on S. Side
Dif H= 0.09
V= 0.09
50017
C SEC 36-153-101/102
small T-Bar w/ F. Post 0.5N
w/US Boundary Tag
Dif ck H= 0.01
V 0.01
Record 2020
Filed MAR
Red Top St. Post
Old Veigel LSM Tag
Green St. Post
Rec
Needs
Fiberglass Survey Marker along N. S.H
See 2010 for Rec
file another mark
St. Post w/ Survey Marker Tag
W. Post
OHE
P.P.
13



A9698 M. COR. - CK
2" Brass CAP w/ F Post

Diff H = 0.03
V = 0.01

A 12358 NE - 30 O.S.
CK.
Diff H = 0.03
V = 0.03

8-7-19 CONT. w/ VRS
overcast 70's
M. Kiebs
D. Steinbud

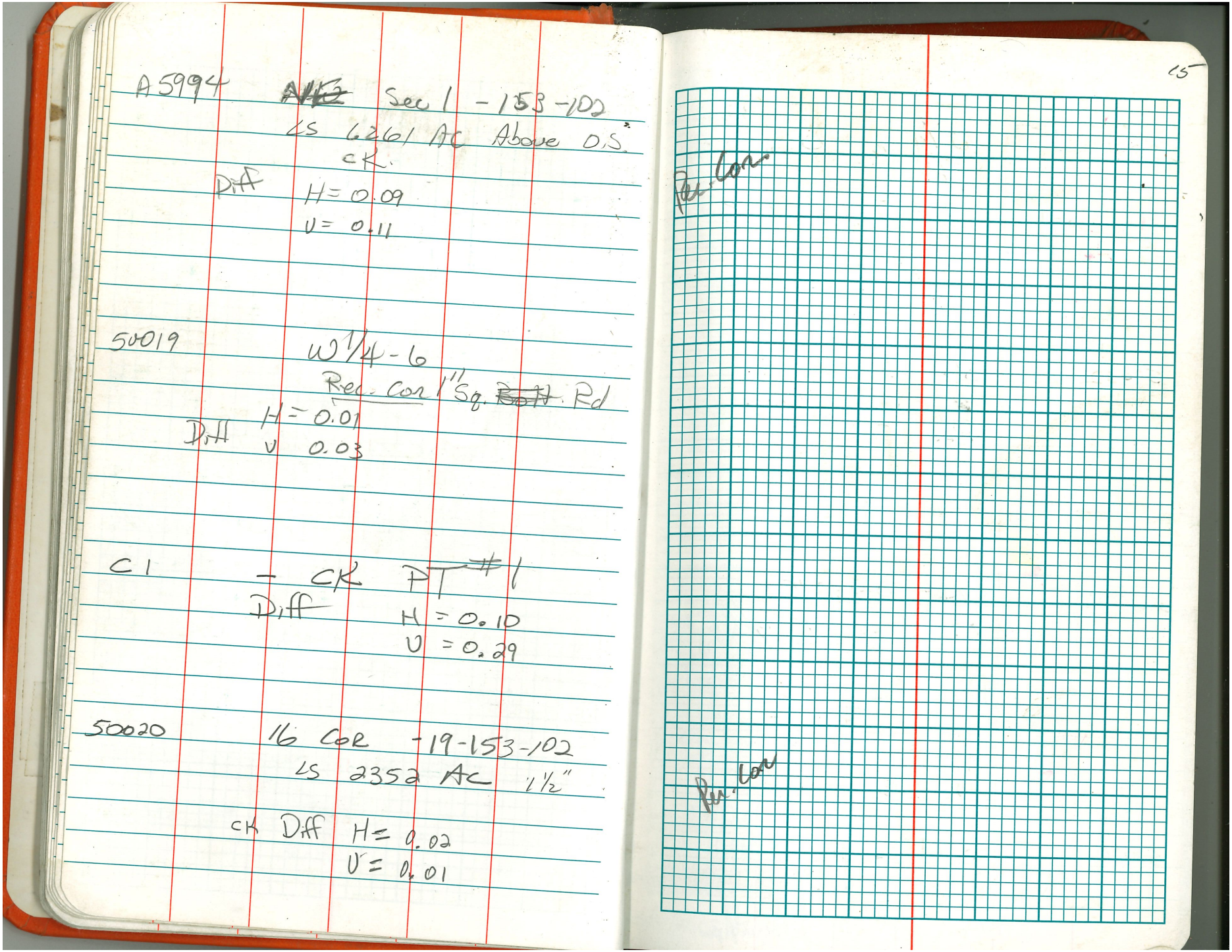
50018 NW 6 - 153 - 102
LS 6261 AC above O.S.
"See Rec. COR."

Diff H = 0.01
V = 0.01

14

Rd.

"No Photo"
Rec. COR.
Approx 0.7 - 1.0 ft
of water Above stone
St. Fence Post - 1.0' South



A5994 ~~AVE~~ Sec 1 - 153 - 102
LS 6261 AC Above O.S.
CK.
Diff H = 0.09
V = 0.11

50019 W 1/4 - 6
Rec. Cor 1" Sq. ~~Rod~~ Rd
H = 0.01
Diff V 0.03

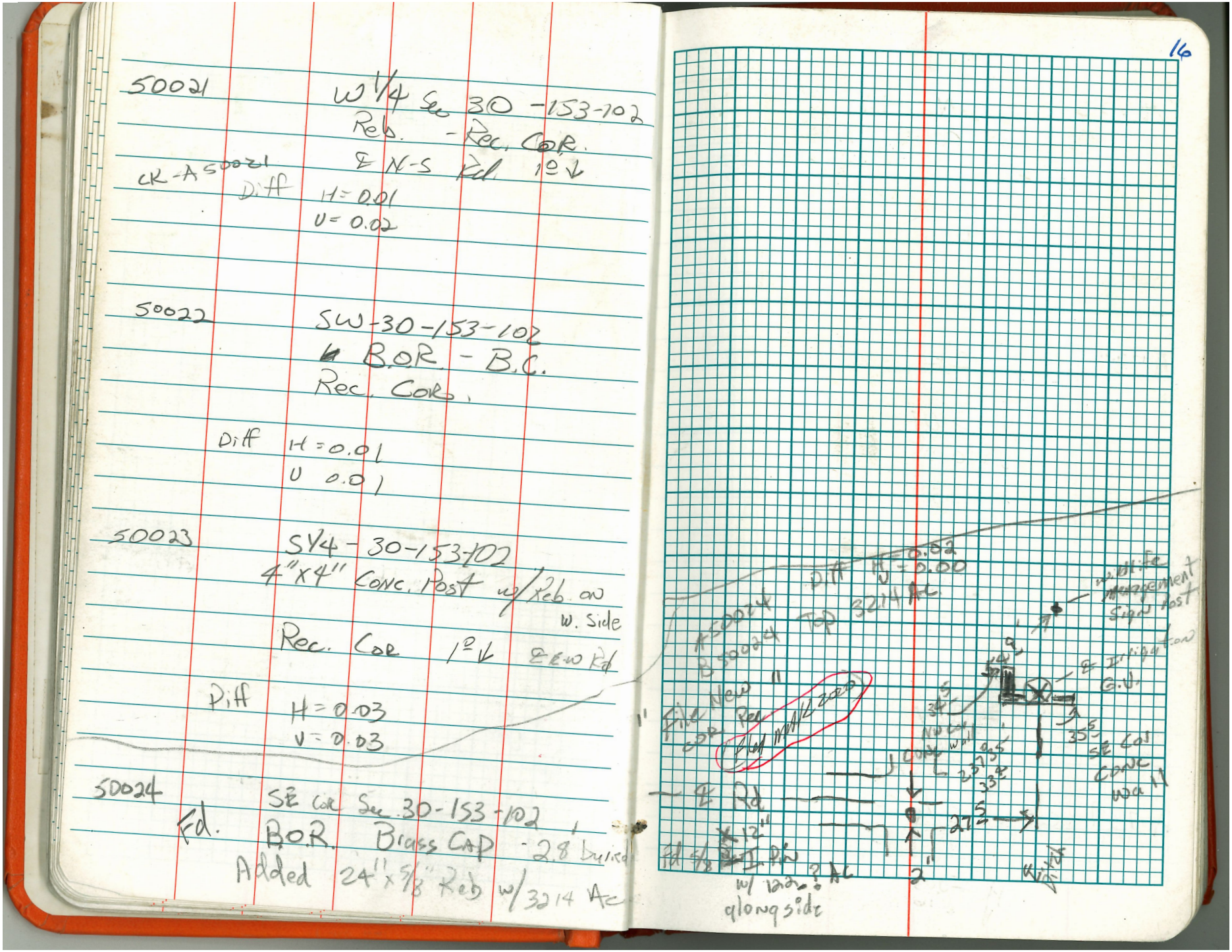
C1 - CK PT #1
Diff H = 0.10
V = 0.29

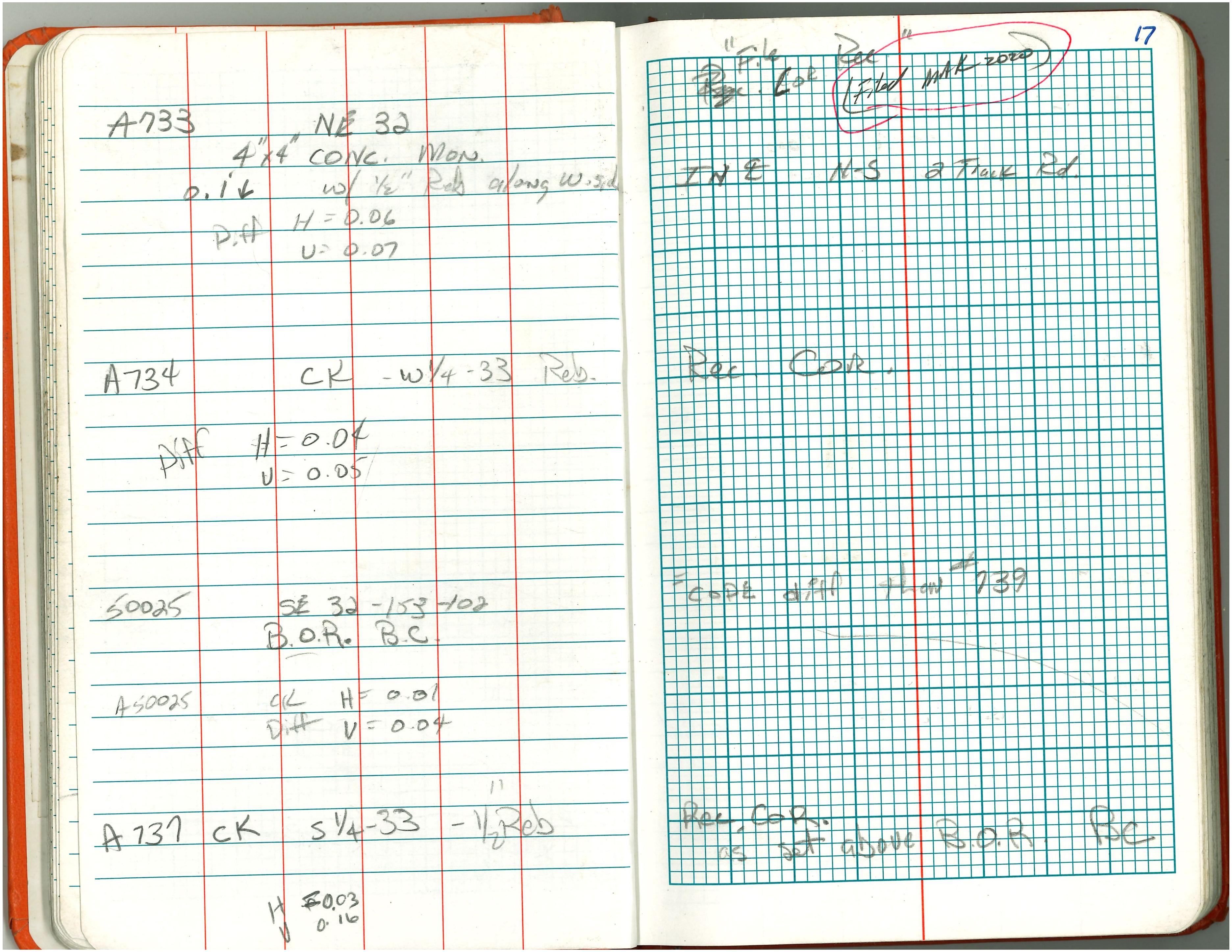
50020 16 Cor - 19-153-102
LS 2352 AC 1 1/2"
CK Diff H = 0.02
V = 0.01

Pu. Cor.

Pu. Cor

15


50021
W 1/4 Sec 30 -153-102
Reb. - Rec. Cor.
& N-S Rd 1° ↓
CK-A 50021
Diff H=0.01
V=0.02
50022
SW-30-153-102
B.O.R. - B.C.
Rec. Cor.
Diff H=0.01
V 0.01
50023
SW4-30-153-102
4"x4" Conc. Post w/ Reb. on W. Side
Rec. Cor 1° ↓ E-W Rd
Diff H=0.03
V=0.03
50024
Fd. SE Cor Sec. 30-153-102
B.O.R. Brass Cap -2.8' buried
Added 24" x 5/8" Reb w/ 3214 Ac
16
Diff H=0.02
V=0.00
3214 Ac
Top
Fd 5/8" Pin w/ 122 ? Ac
alongside
Wildlife Management Sign Post
G.W.
SE Cor Conc Mon



A733 NE 32
4"x4" CONC. MON.
0.1'↓ w/ ½" Reb along W. side
Diff H = 0.06
V = 0.07

A734 CK - W¼ - 33 Reb.
Diff H = 0.04
V = 0.05

S0025 SE 32 - 153 - 102
B.O.R. B.C.

AS0025 CK H = 0.01
Diff V = 0.04

A737 CK S¼ - 33 - ½" Reb
H ~~0~~ 0.03
V 0.16

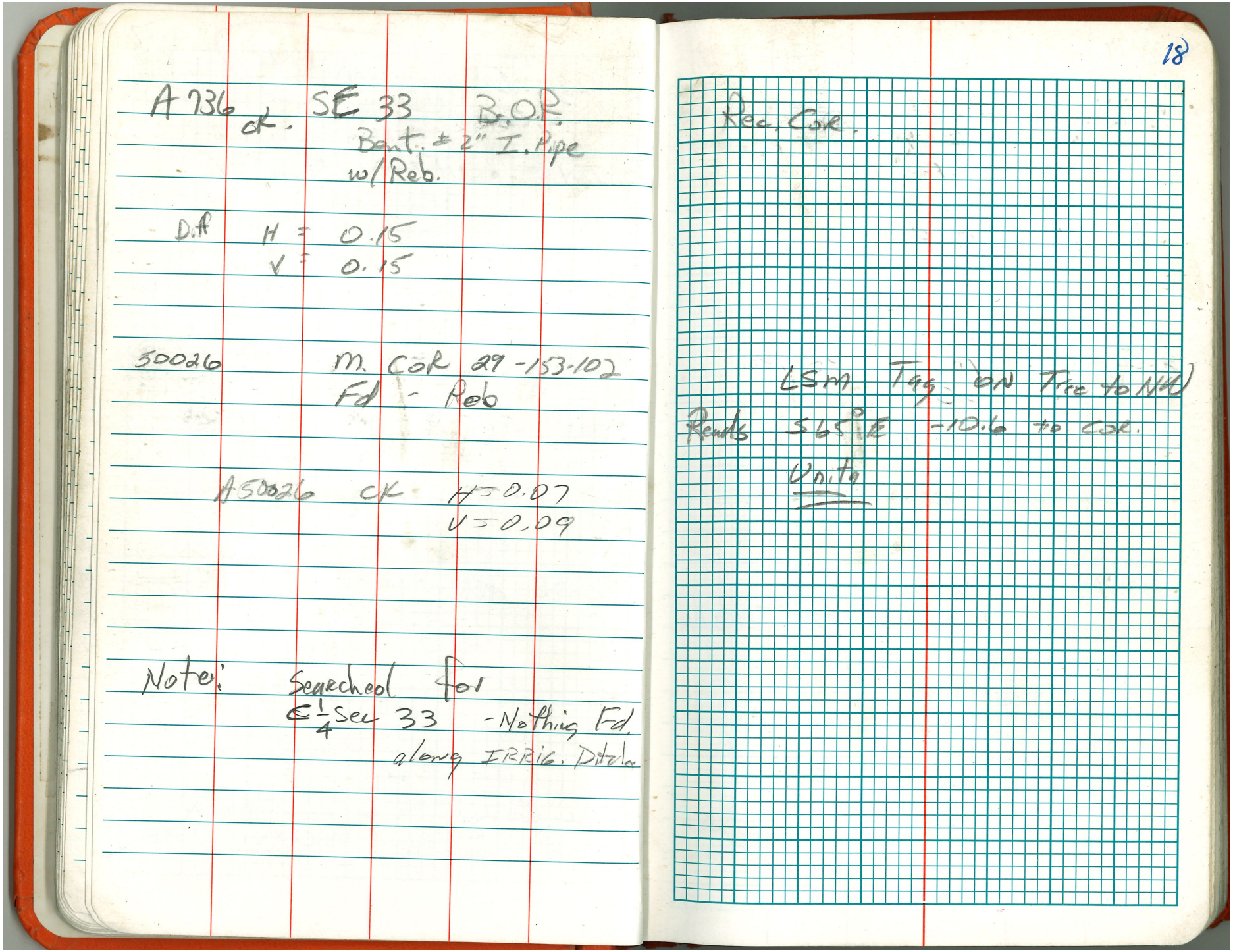
17

"File Rec"
Reg. Cor. (Filed MAR 2020)
IN E N-S 2 Track Rd.

Rec Cor.

"code diff" How #739

Rec. Cor.
as set above B.O.R. BC



A 736 ck. SE 33 B.O.R.
Bent. ± 2" I. Pipe
w/ Reb.

D.F H = 0.15
V = 0.15

50026 M. Cor 29-153-102
Fd - Reb

A 50026 CK H = 0.07
V = 0.09

Note: Searched for
E¼ Sec 33 - Nothing Fd.
along IRRIG. Ditch

18

Rec. Cor.

LSM Tag on Tree to NW
Reads S 65° E -10.6 to cor.
Units

8-8-19
M. SUNNY,
CALM 70'S
M. Zieche
D. Strinhad

Survey Cont
using VRS

B50009 CK 50009

Diff H = 0.07
V = 0.00

~~50027~~ 50027 NW-6 152-102
CC

A - CK Diff 0.02
0.02

50028
~~50027~~ 16 COR
RLS ~~1195 YPC~~ 2352 AC

50029 16 COR
RLS 1195 YPC

19

Delete 735

Note: should be
same 16 COR
" Need to determine
correct COR. 50028
guessing "

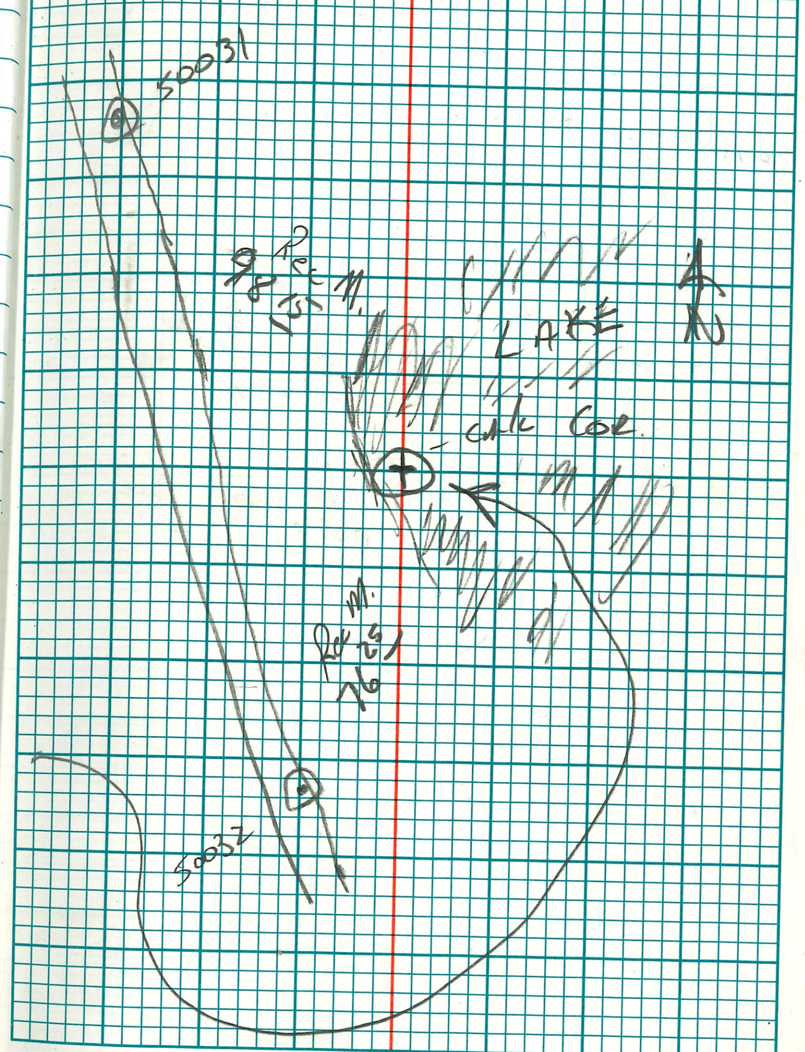
50030 — C Sec - 19 - 153 - 102
Bent ½" Rebar - w/Cap IN OPEN Grass field
" Rec. COR. "

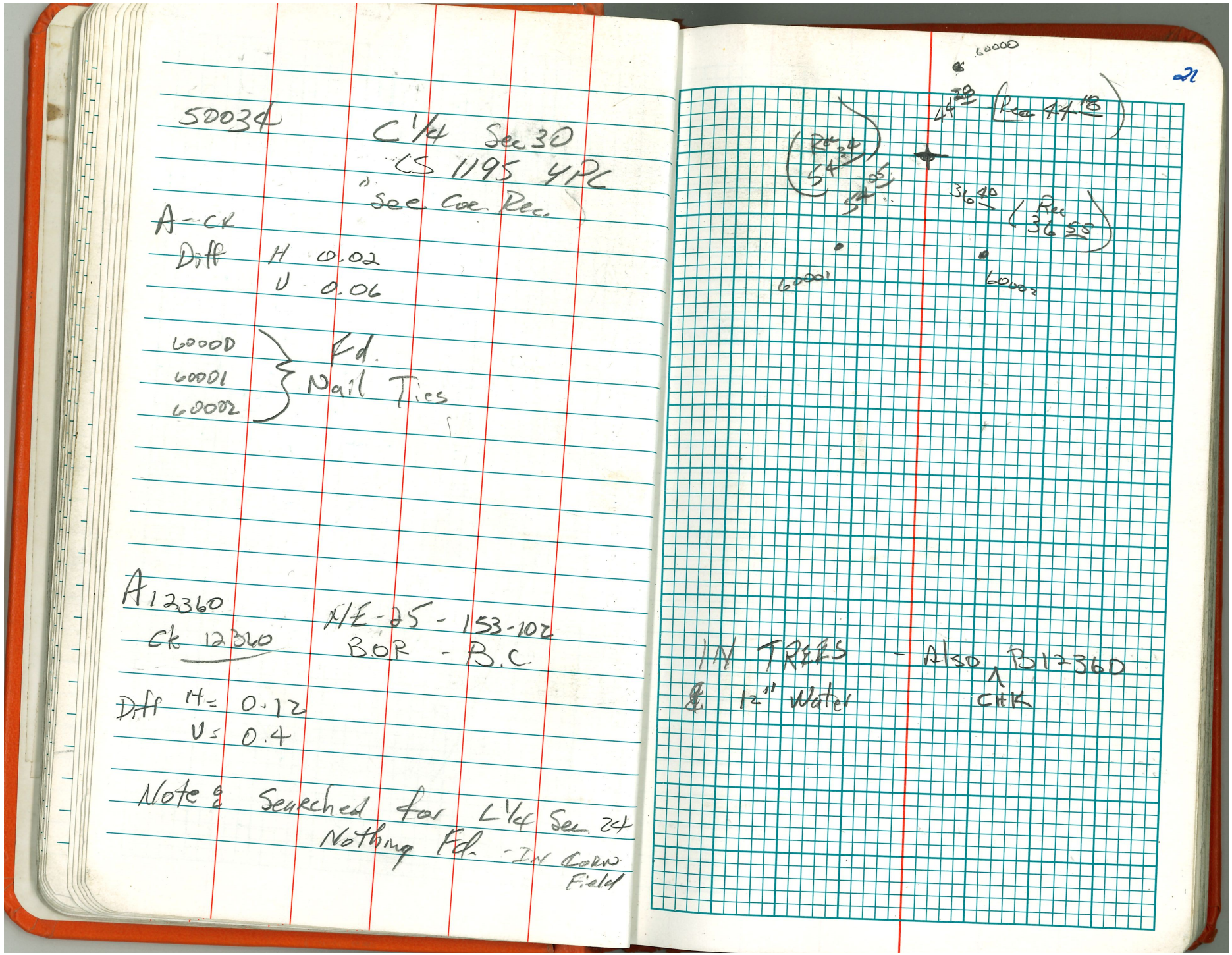
"A50030 Diff — H = 0.02
V 0.01

50031 — Nail Fd. - see Cor Rec
ON Edge of Dike

50032 — Nail Fd See COR Rec
ON Edge of Dike

50033 — S ¼ - 19 cAlc.
from Ties on CoR. Rec
(CoR. falls in water)





50034 C 1/4 Sec 30
CS 1195 4PC
" See Cor Rec

A - CK
Diff H 0.02
V 0.06

60000
60001
60002 } Fd. Nail Ties

A12360
Ck 12360

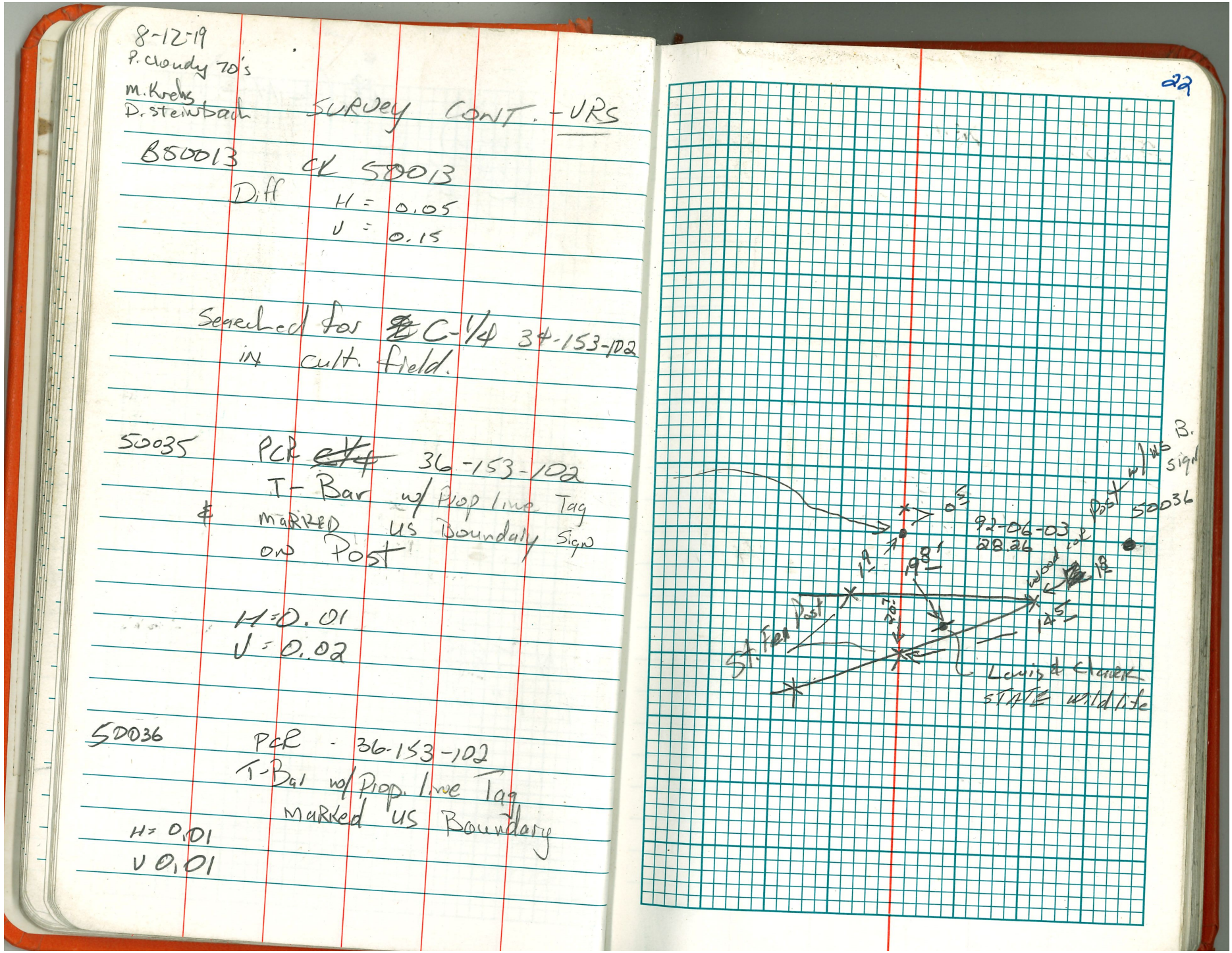
N/E-25-153-102
BOR - B.C.

Diff H= 0.12
V= 0.4

Note: Searched for C 1/4 Sec 24
Nothing Fd. - In Corn Field

60000
Rec 44.18
Rec 24.54
S 54° E
S 54° E
36.40
Rec 36.55
60001
60002
IN TREES - ALSO PK V=360
& 12" Water
CHK

21



8-12-19
P. cloudy 70's
M. Krebs
D. Steinbach

SURVEY CONT. - URS

B50013 CK 50013
Diff H = 0.05
V = 0.15

Searched for ~~SE~~ C-1/4 34-153-102
in cult. field.

50035 PCR ~~ck~~ 36-153-102
T-Bar w/ Prop Line Tag
& MARKED US Boundary Sign
on Post

H=0.01
V=0.02

50036 PCR - 36-153-102
T-Bar w/ Prop. Line Tag
MARKED US Boundary

H= 0.01
V 0.01

22

92-06-03
28.24

Post

St. Post

Lewis & Clark
STATE wildlife

B.
sign

50036

A12353 N 1/4 - 31 & 36 M.O.S. w/ 2884 AC

CK H = 0.03
V = 0.08

5003 PCR 30-153-101
T-Bar w/ Prop. Line Cap
(E 1/4 - 30 ?)
Being USED as 1/4 Cor
on Oil Plats

A12357 PCR - 30-153-101
T. Bar w/ Prop Line Cap.

H = 0.08
V = 0.06

23

S.S.I.C

Steel Post w/ US Boundary Sign

Rec.?

Cor.

File

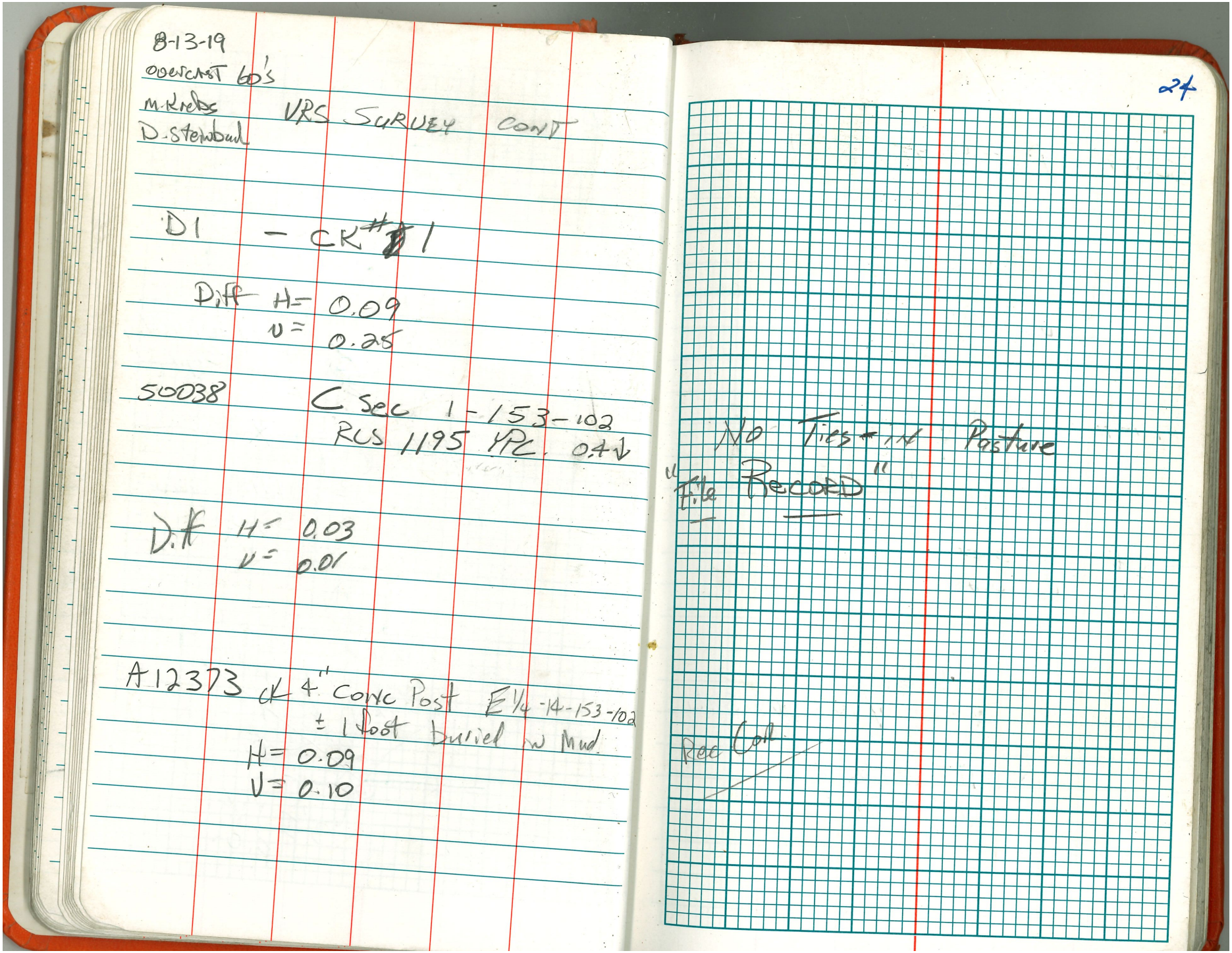
St. Iron Post

Wildlife Mang. Sign

Post

Steel Post w/ Wildlife sign

Pipe F.C.



8-13-19
OVERCAST 60's
M. Krebs
D. Stenbuck

VRS SURVEY CONT

D1 - CK #1

Diff H= 0.09
V= 0.25

50038 C Sec 1-153-102
RLS 1195 YPC 0.4↓

Dif H= 0.03
V= 0.01

A12373 CK 4" Conc Post E1/4-14-153-102
± 1 foot buried in Mud
H= 0.09
V= 0.10

27

No Ties at this Posture
"File Record"

Rec Coll

50039 PCR T-Bar w/ Tag
US Boundary Sign w/ Post
0.5' N.

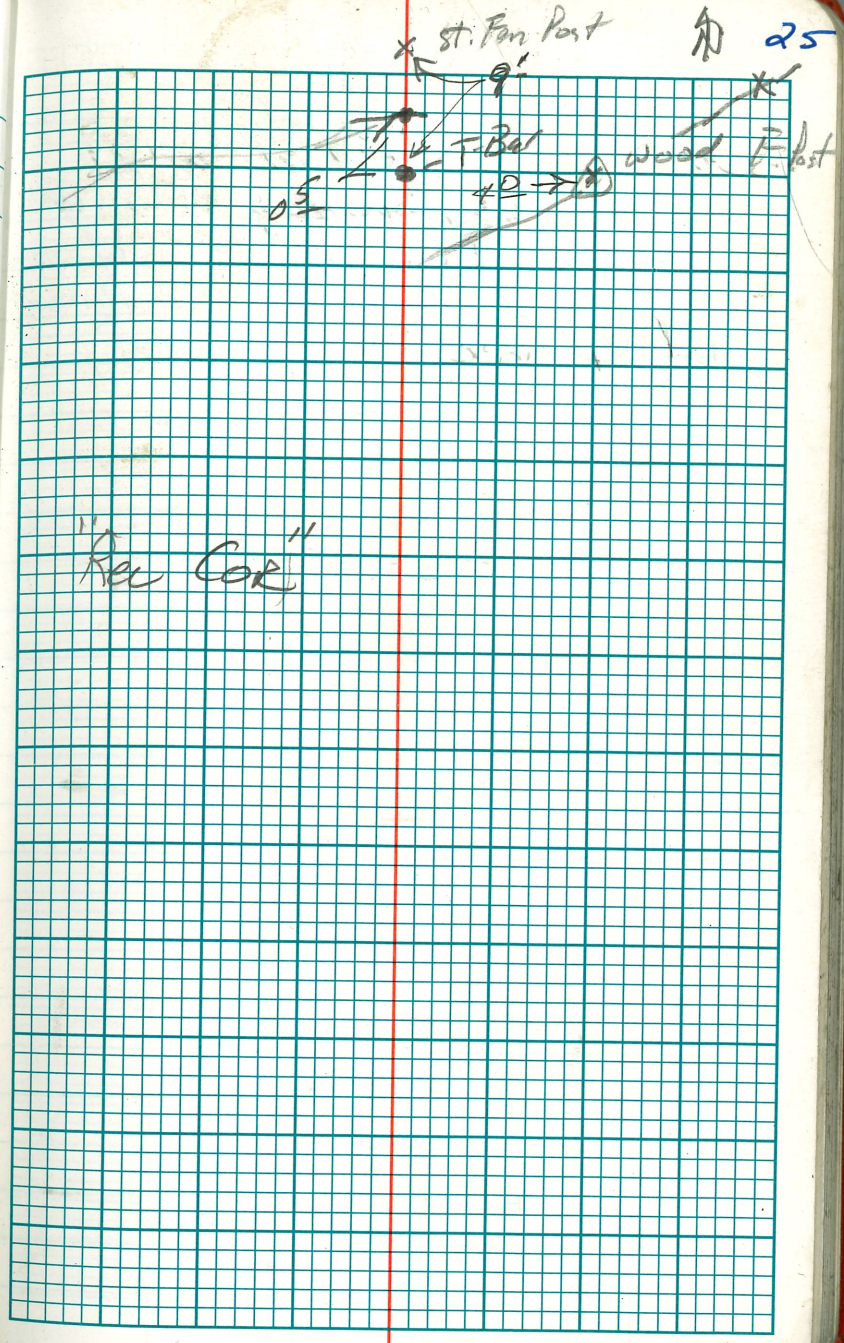
Diff H = 0.02
V = 0.00

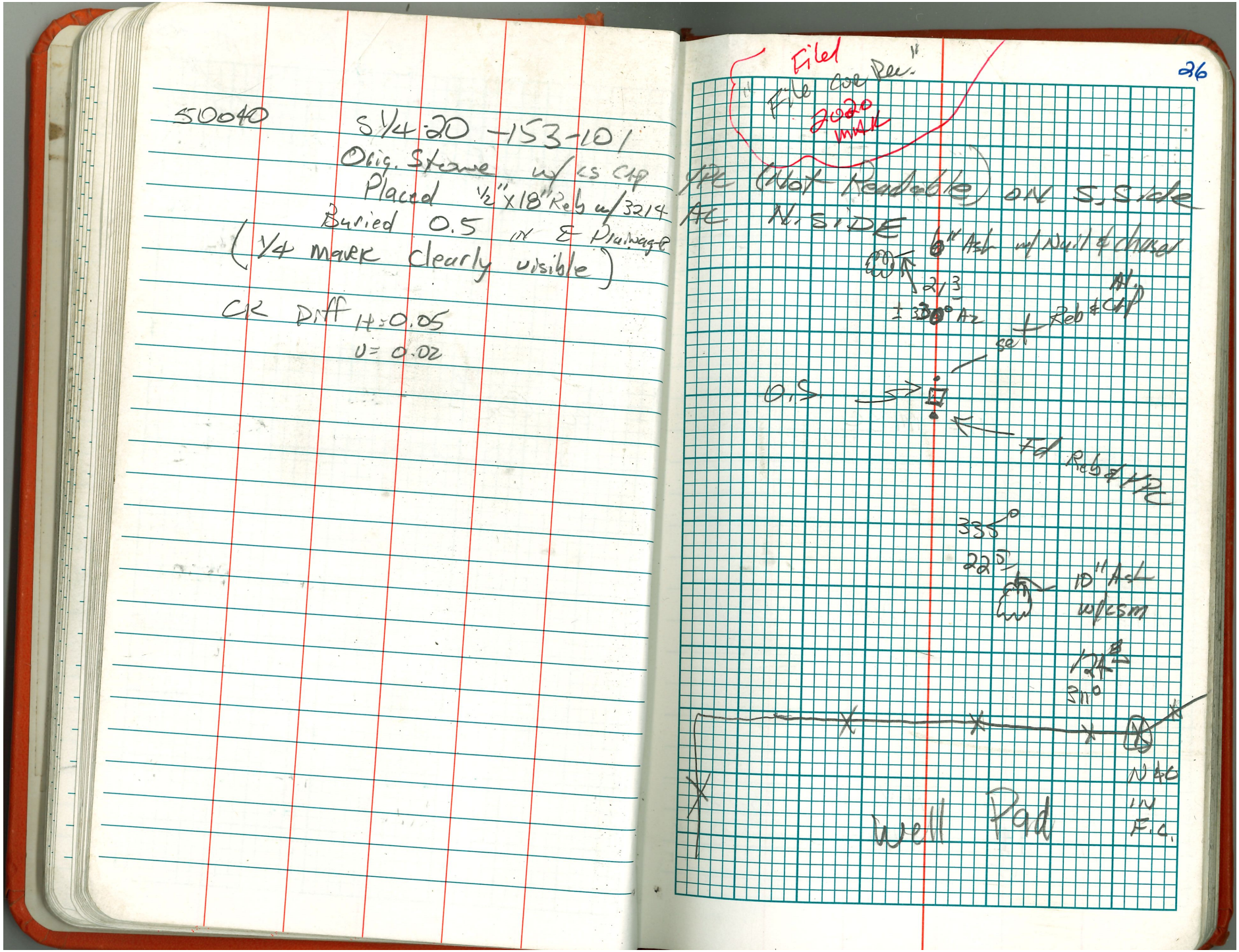
A 9694 E1/4 -20-153-101
I. Pipe
" in Water Hole "

Diff H = 0.05
V = 0.28

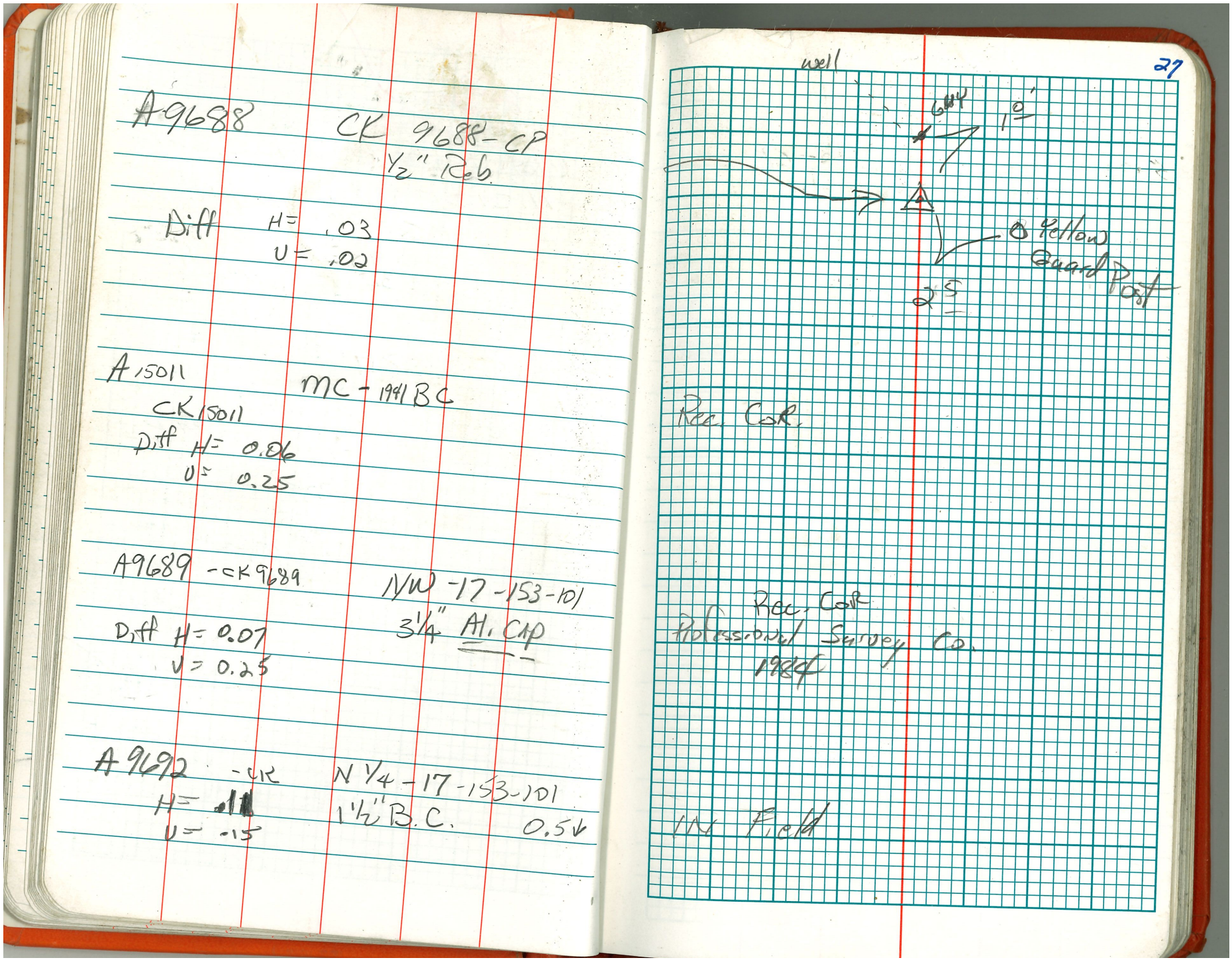
A1961 SW-21-153-101
0.5' w/ Reb. w. Slide

ck H = 0.02
V = 0.01





North Dakota Board of University and School Lands



A9688 CK 9688-CP
½" Rob.

Diff H= .03
V= .02

A15011 MC-1941 BC
CK 15011
Diff H= 0.06
V= 0.25

A9689 -CK 9689 NW-17-153-101
3¼" Al. Cap

Diff H= 0.07
V= 0.25

A9692 -CK N ¼-17-153-101
H= .11 1½" B.C. 0.5↓
V= .15

well

27

Rec. Cor.

Rec. Cor
Professional Survey Co.
1984

NW Field

50041 N 1/4 - 8 - 153 - 101
KLJ - PLS 3592 AC

A 50041 ck Diff H = 0.02
V = 0.01

50042 SE - 17 - 153 - 101
O.S. w/ 3592 AC
(markings on stone

ck Diff

50043 S 1/4 - 21 - 153 - 101
O.S. w/ 3592 AC
(w/ 1/4 mark)

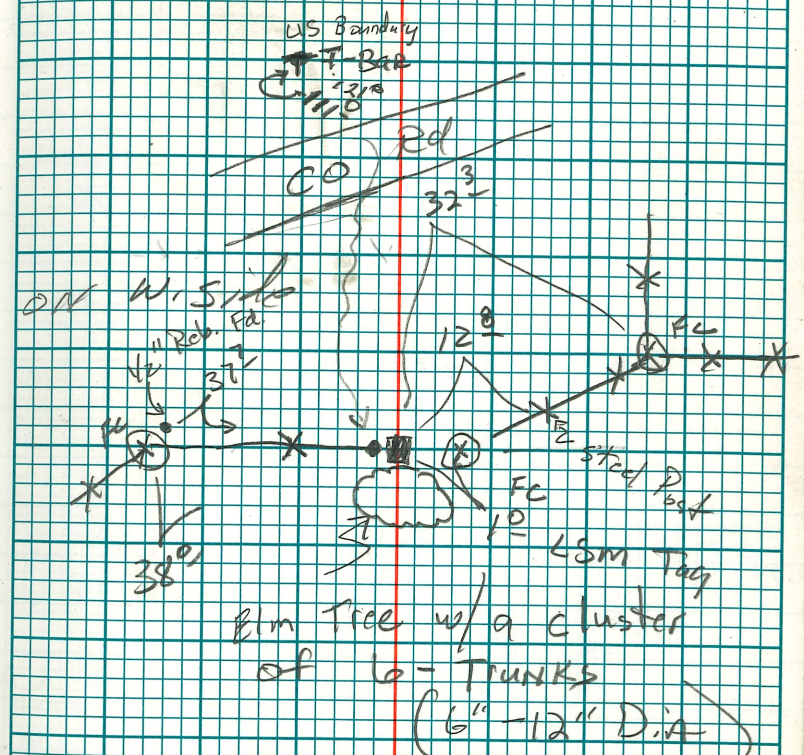
@18/

28

Rec. Cor.

on E. side visible)

[Void 9/6/23]
on AC only



8-14-19
M. Clear 70's
L. WIND
M. Krebs
D. Steinbeck.

Survey CONT.

A 2396 CK NW-14-153-101

O.S. w/ 1171 Ac S.Side

Diff H = 0.08
V = 0.09

50044

US Boundary T-Bar
w/ CAP Sec. 11-153-101
1 Year W 1/4 Cor

Dif H = 0.01
V = 0.02

50045

SE-12-153-101
RLS 2552 Ac

CK H = 0.03
V = 0.01

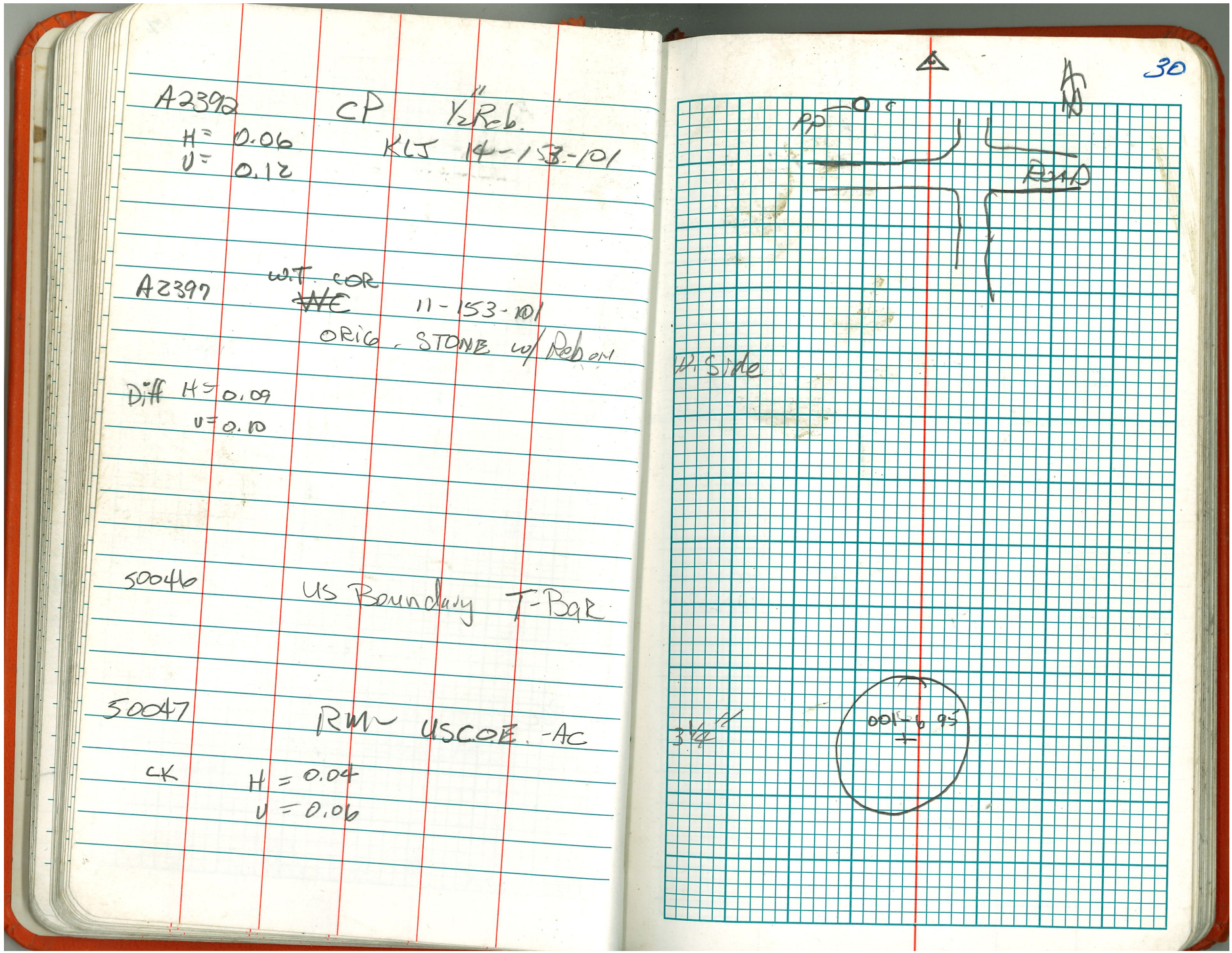
A 2393 5/8 Rebar NE-14-153-101

Dif H = 0.03
V = 0.14

29

Rock

Hole Core


A2392 CP ½" Rob.
H= 0.06
V= 0.12
KLJ 14-153-101
A2397 W.T. COR
~~WC~~
11-153-101
ORIG. STONE w/ Rebar
Diff H=0.09
V=0.10
50046 US Boundary T-Bar
50047 RW~ USCOE -AC
CK H=0.04
V=0.06
30
PP
ROAD
R/S Side
3¼"
001-6 95
+

50048 Wit Cor 12-153-101
O.S. w/Reb & Pits

Diff H = 0.01
V = 0.03

50049 E1/4 12-153-101
O.S w/2884 AC on S'ly side

CK Diff H = 0.01
V = 0.01

50050 E1/4 13-153-101
O.S. w/Pits & Reb W. side

CK Diff H = 0.02
V = 0.02

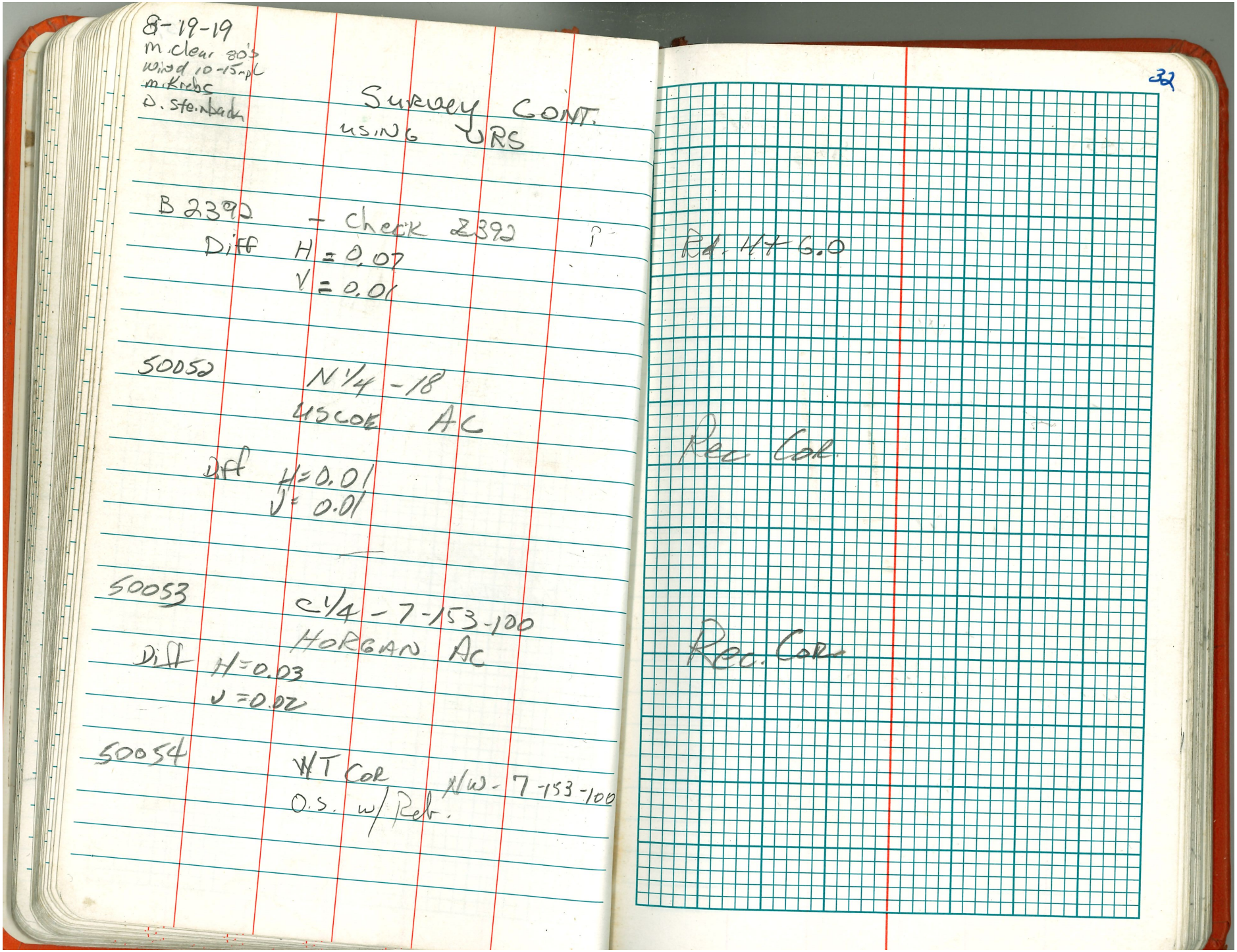
31

" Rec Cor "
WC Mark

Rec. Cor

E 1.0'

Rec. Cor.
w/ 1/4 mark



8-19-19
m. clear 80's
wind 10-15mpl
m. Krebs
D. Steinbach

Survey CONT.
USING GPS

B 2390 - Check 2392
Diff H = 0.07
V = 0.01

50052 N 1/4 - 18
45 COR AC

Diff H = 0.01
V = 0.01

50053 C 1/4 - 7-153-100
HORGAN AC

Diff H = 0.03
V = 0.02

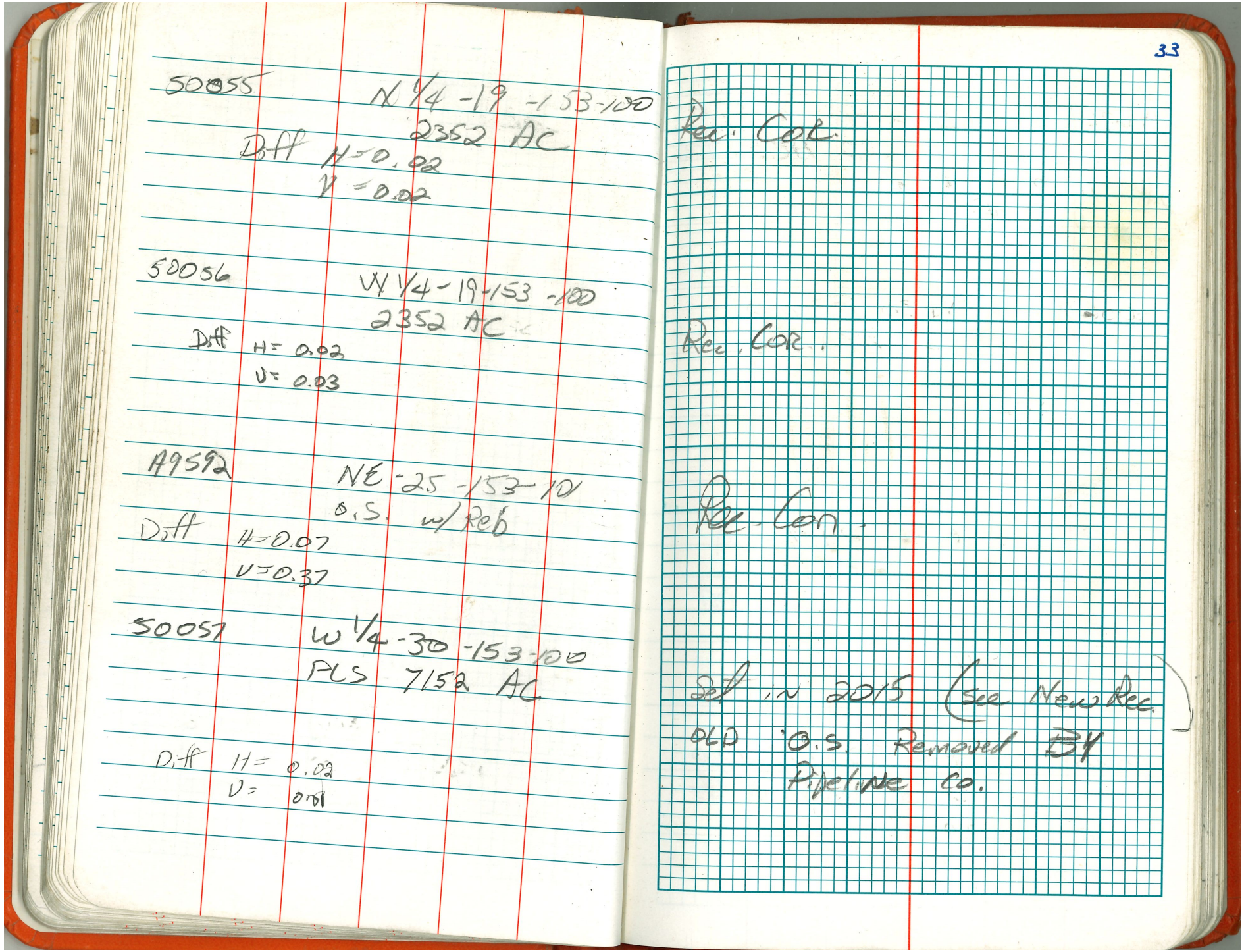
50054 WT COR N/W - 7-153-100
O.S. w/ Ref.

32

Rd. Mt 6.0

Rec Cor.

Rec. Cor.



50055 N 1/4 - 19 - 153 - 100
2352 AC
Diff H = 0.02
V = 0.02

50056 W 1/4 - 19 - 153 - 100
2352 AC
Diff H = 0.02
V = 0.03

A9592 NE - 25 - 153 - 101
O.S. w/ Reb
Diff H = 0.07
V = 0.37

50057 W 1/4 - 30 - 153 - 100
PLS 7152 AC
Diff H = 0.02
V = 0.01

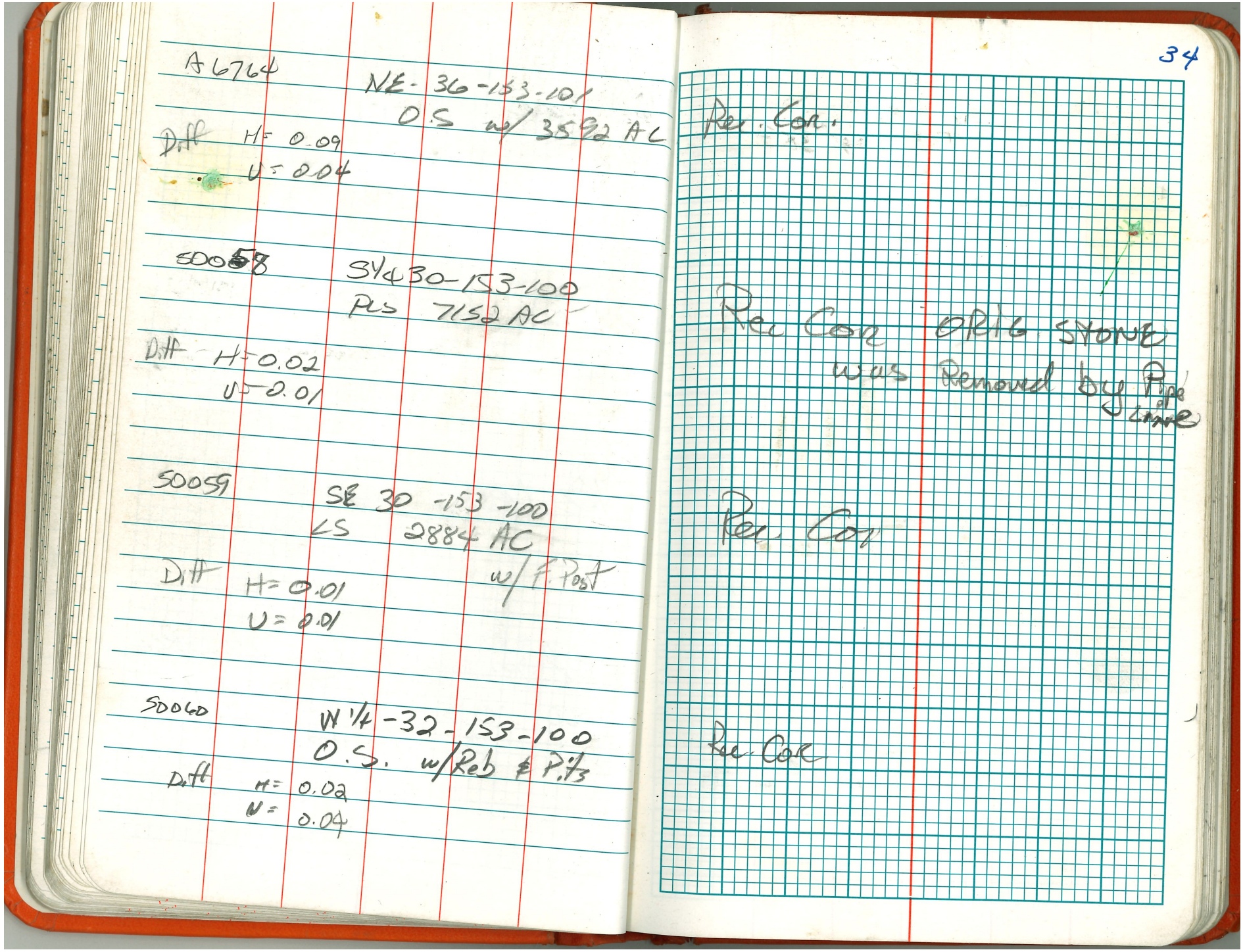
33

Rec. Cor.

Rec. Cor.

Rec. Cor.

Set in 2015 (See New Rec.
Old O.S. Removed By
Pipeline Co.



A6764 NE-36-153-101
O.S w/ 3592 AC
Diff H= 0.09
V= 0.04

50058 SW 30-153-100
Pus 7152 AC
Diff H=0.02
V=0.01

50059 SE 30-153-100
LS 2884 AC
w/ F Post
Diff H=0.01
V=0.01

50060 W 1/4-32-153-100
O.S. w/Reb & P.T's
Diff H= 0.02
V= 0.04

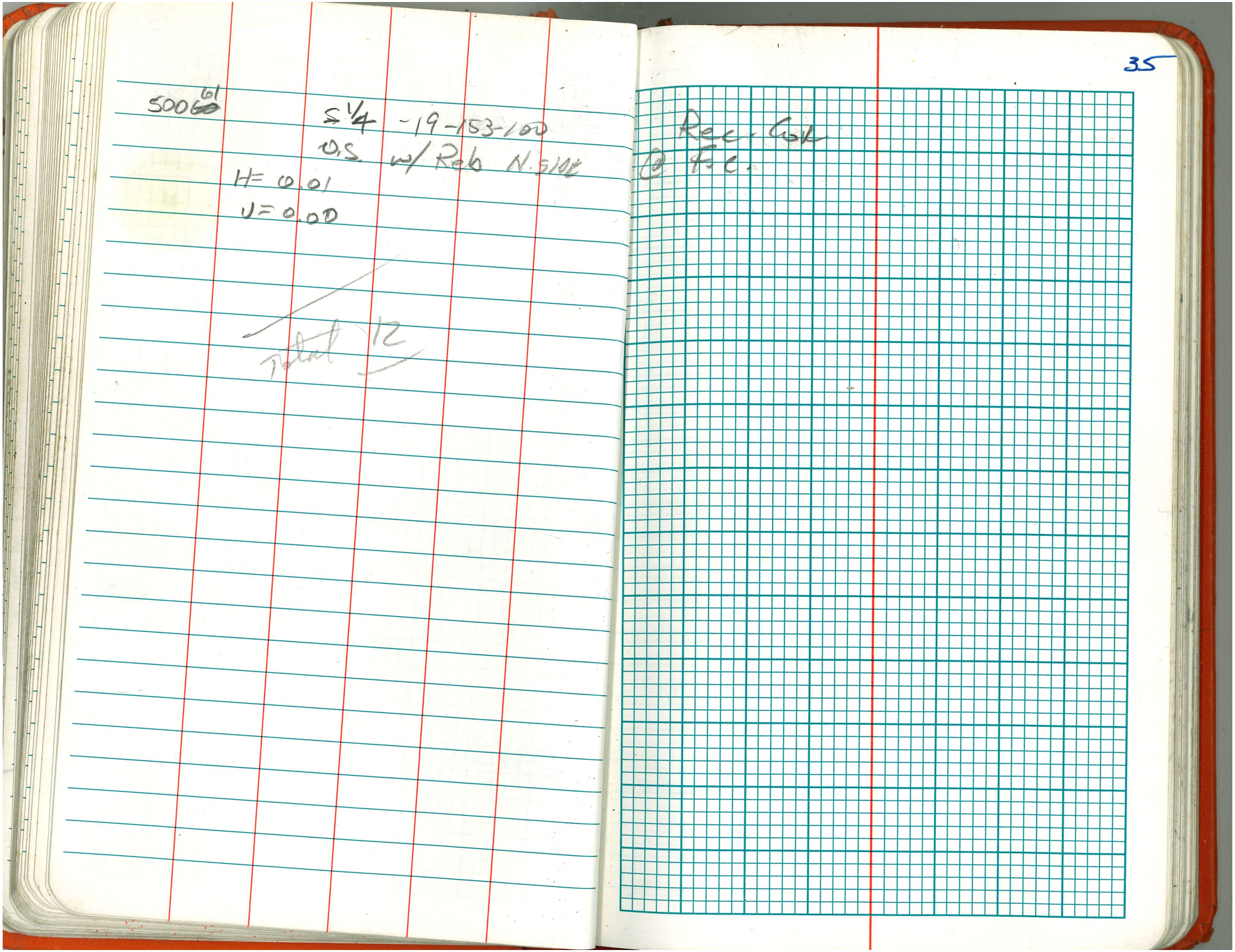
34

Rec. Cor.

Rec Cor ORIG STONE
was Removed by Pipe Line

Rec. Cor

Rec Cor


5006 01
S 1/4 - 19-153-100
O.S. w/ Reb N. side
H= 0.01
V= 0.00
Total 12
35
Rec. Cor
@ Fee.

8-20-19
M-Clear 70's
L-Breeze
M-Kruger
D. Stenbak

Survey Cont w/ URS

B50058

CK 50058
H = 0.06
V = 0.12

A6768 CK SE-36-153-101
LS 3592 AE

D.H H=0.07
V=0.10

A6762 CK CC NW-3-152-100
0.5 w/ AC

R.H H = 0.07
V 0.013

CC 0.5 w/ 1/4 mates

50062 STONE w/ 2884 AC ON S. SIDE

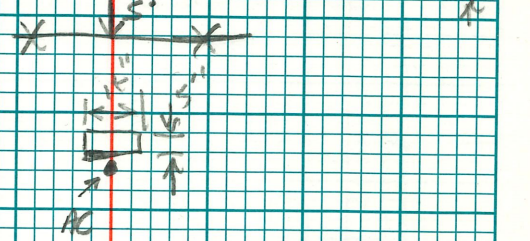
H=0.01
V=0.02

36

Re by K.S (KLJ) 12/09

CC markings clearly visible

Laying down Distances 2.



A6771 S¼ 32 -153-100 USCOE AL

Diff H= 0.12
V= 0.18

A 6770 CC · NE Sec 3-152-101 0.3
orig Stone w/ cc
& marks 2-E
4W

Diff H= 0.07
V= 0.28

50063 MONR - SE 31 152-100
AL. CAP marked Ref Mon

37

Per. Cor.

Per. Cor.

"Verify if Per.

F. Post w/ US Boundary Tag

Ref.

Ref.

Pits - ± 10" Deep

5006d SW-11-152-101
0.2↑ 0.5 w/Rebar on N. Side
markings clearly visible

Diff H = 0.02
V = 0.03

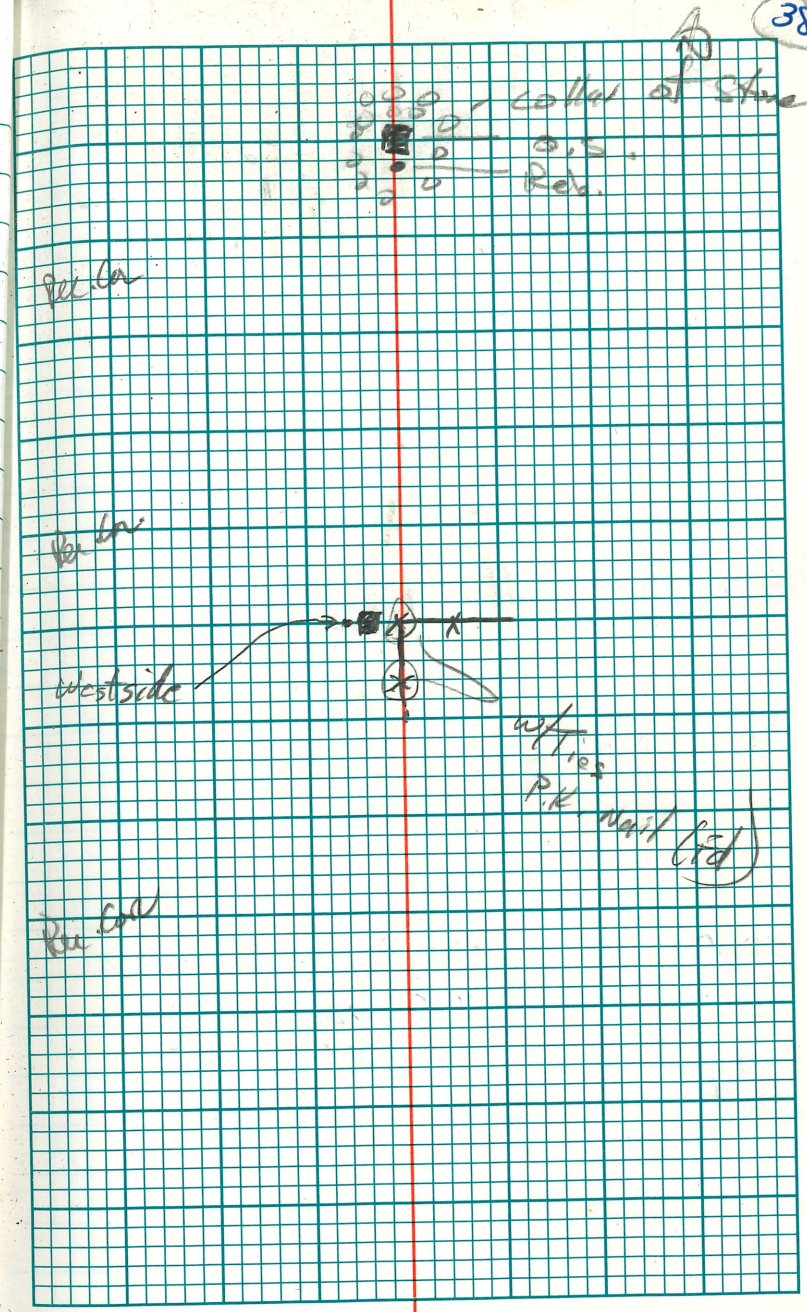
5006 SE-11-152-101
0.5 w/markings
w/RS 7152 AC

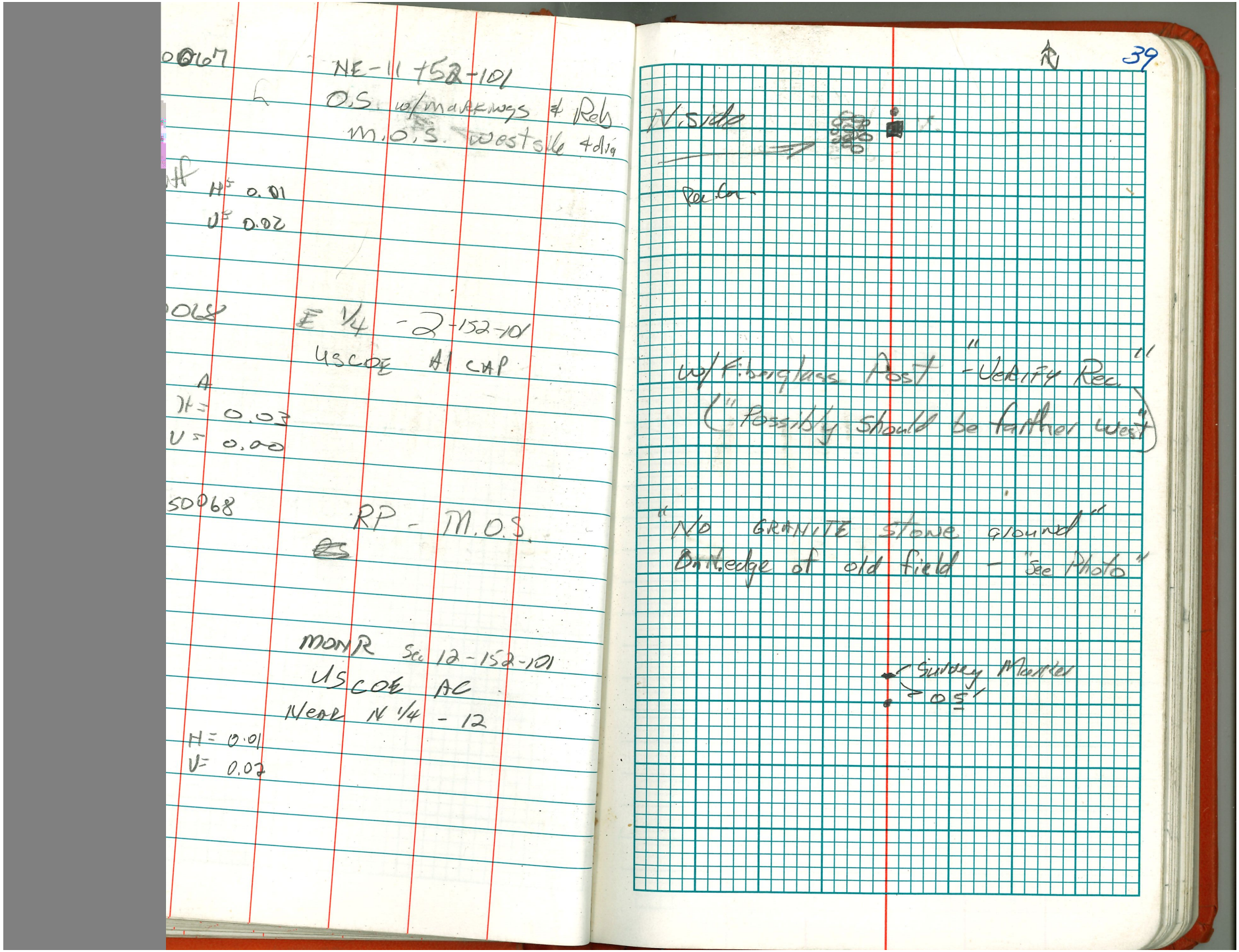
Diff H = 0.00
V = 0.01

5006a E1/4 11-152-101
0.5 w/ 1/4 mark
Rebar on N. Side

Diff H = 0.05
V = 0.01

38





0067 NE-11 152-101
O.S. w/markings & Reb
M.O.S. West 6 4 dia

H= 0.01
V= 0.02

0062 E 1/4 - 2 - 152-101
USCOE #1 CAP

A
H= 0.03
V= 0.00

50068 RP - M.O.S.

MONR Sec 12 - 152-101
USCOE AC
Near N 1/4 - 12
H= 0.01
V= 0.07

39

N

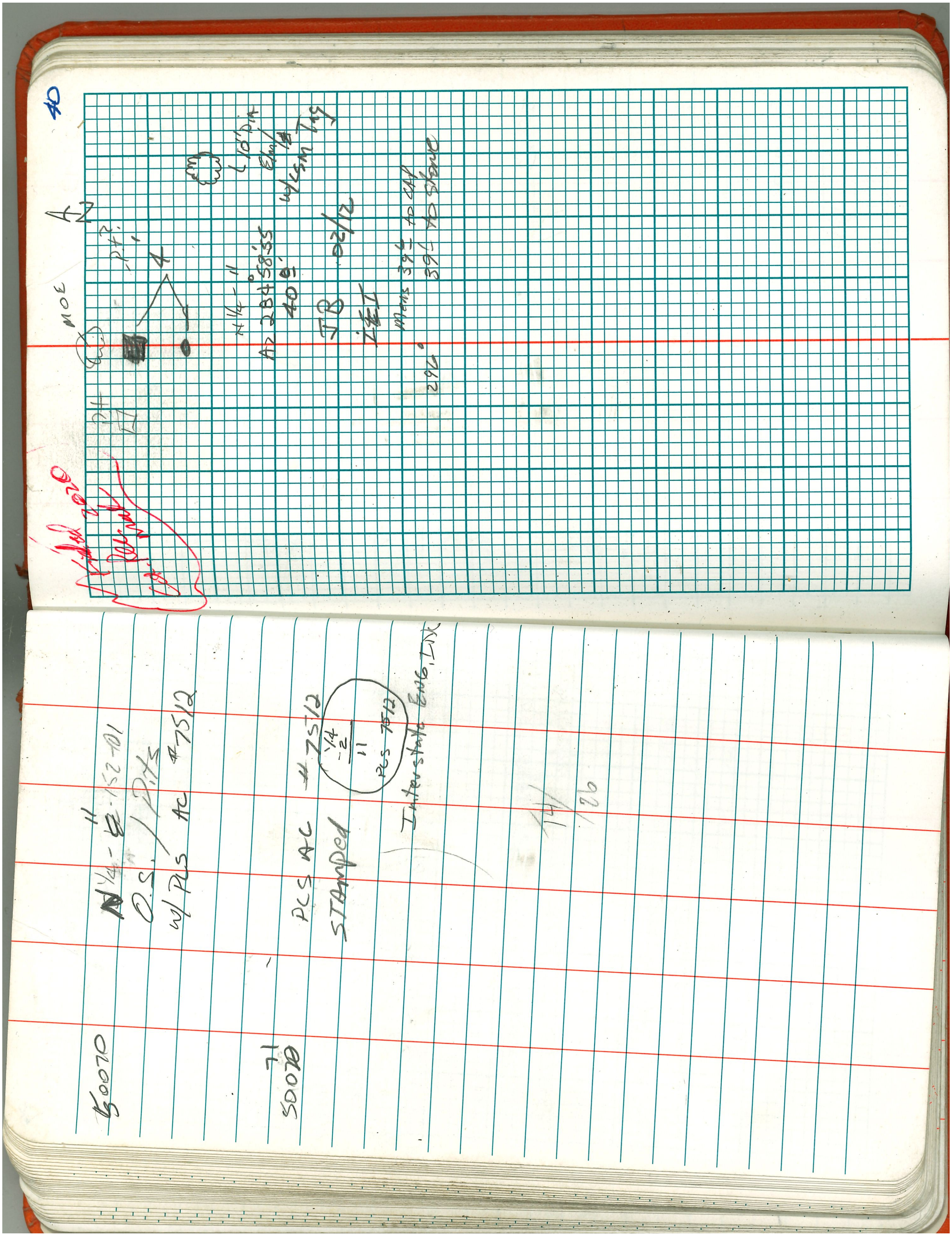
N. Side

Road

w/ Fiberglass Post "Verify Rec."
("Possibly should be further West")

"No GRANITE Stone found"
On N. edge of old field - "See Photo"

Survey Marker
0.5'



40
MOE
N 1/4 - 11
AZ 284°58'55"
JB 02/12
Meas 39' to CAP
39' to Stone
S0070
O.S. / Pits
W/ PLS AC #7512
PCS AC #7512
STAMPED
PLS 7512
Interstate Eng, Inc

8-21-18
Clear 70's
m. Krebs
D. Stewhad

URS survey cont.

50072 SW - 2 -152-~~100~~ 101
PLS 2884 AC

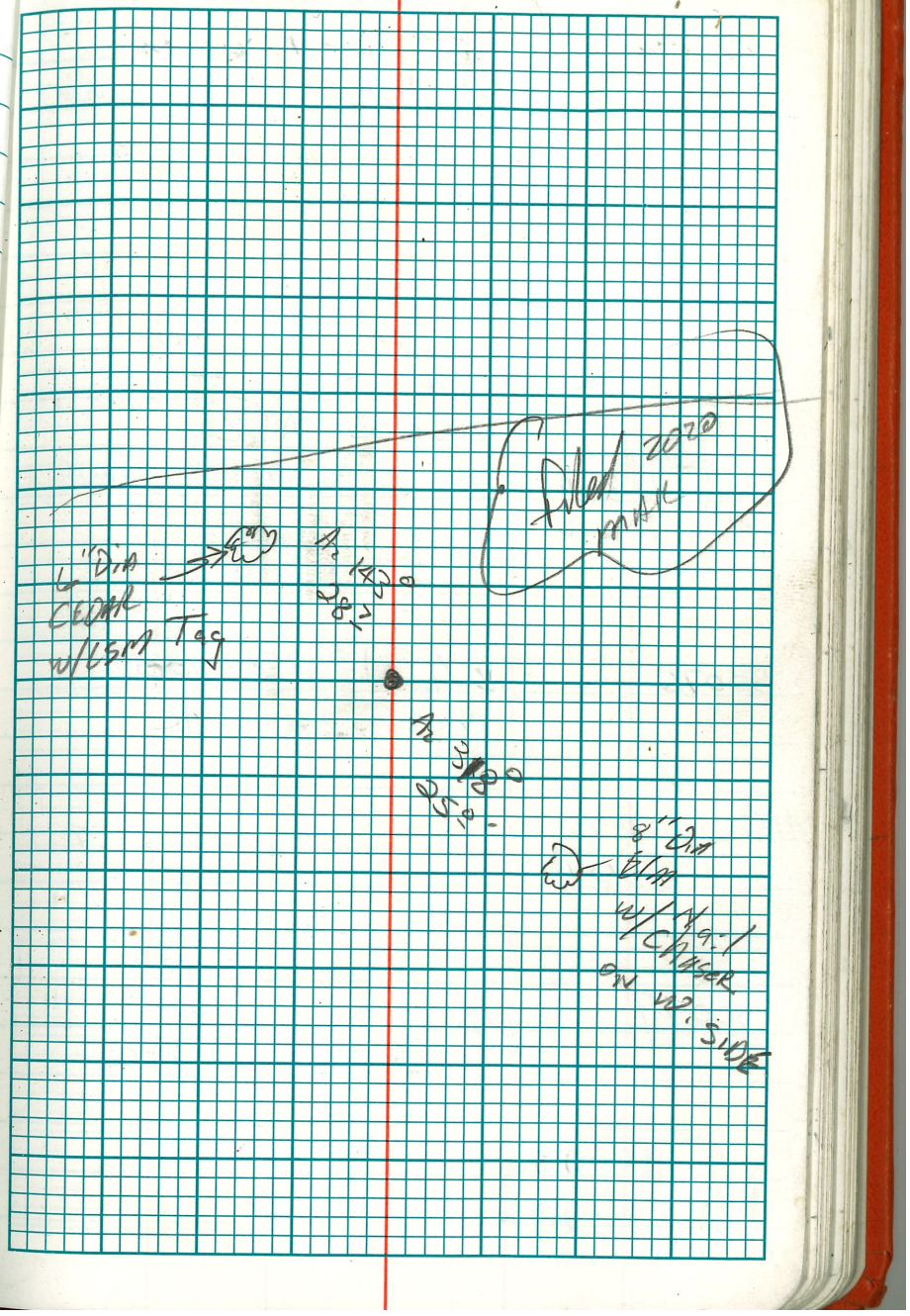
Diff H = 0.04
V 0.00

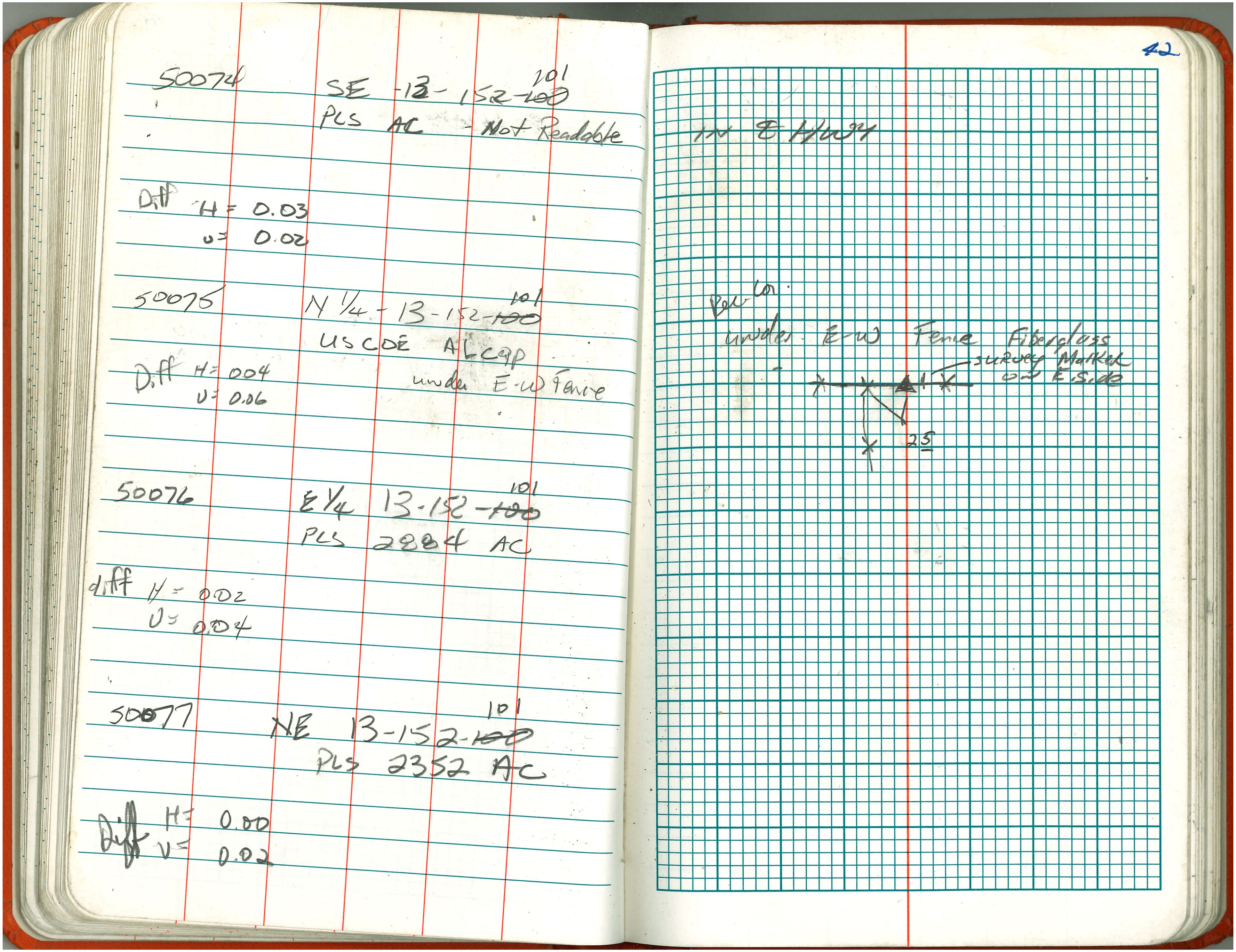
50073 W 1/4 - 2 - 152-~~100~~ 101
Fd - PLS 7152 AC - 8"
on 5/8 Rb
set 2X2 stake 3' Long
at 0.5' South of COR

Diff H = 0.08
V = 0.02

B 6769 CK 6769

Diff H = 0.07
V = 0.15





50074 SE 13-152-~~100~~ 101
PLS AC - Not Readable

Diff H = 0.03
V = 0.02

50075 N 1/4 - 13-152-~~100~~ 101
USCOE AL Cap
under E-W Fence

Diff H = 0.04
V = 0.06

50076 E 1/4 13-152-~~100~~ 101
PLS 2884 AC

diff H = 0.02
V = 0.04

50077 NE 13-152-~~100~~ 101
PLS 2352 AC

Diff H = 0.00
V = 0.02

42

1N ℄ Hwy

Per lo:
under E-W Fence Fiberglass
survey Marker
on E. Side

25

50078 SW sec 17 -152-100
5/8" Reb. in & E-W Rd.

Diff H=0.03
V=0.02

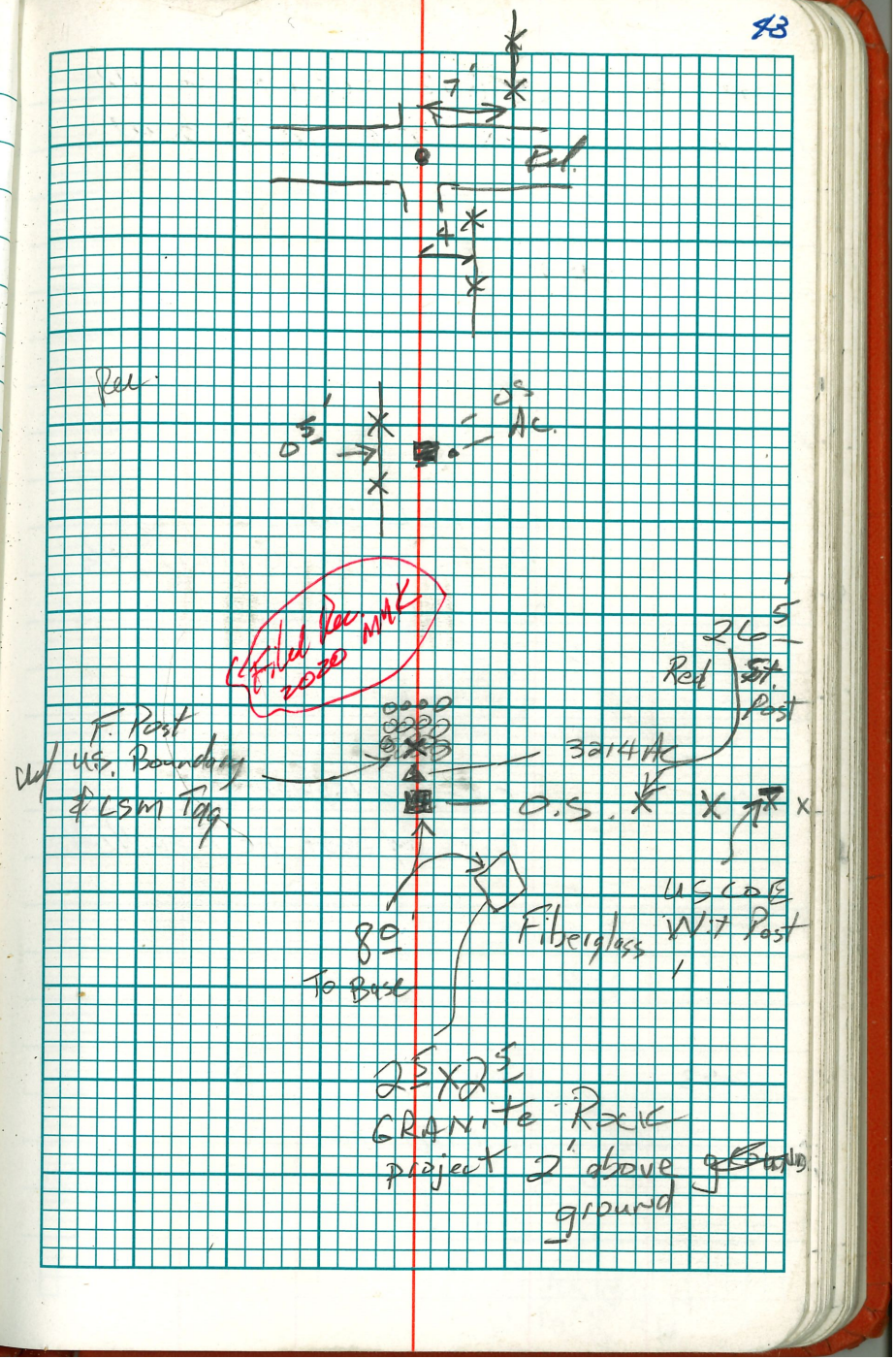
50079 W1/4 17-152-100
0.5. w/ 2884 Ac

Diff H=0.02
V=0.04

50080 S1/4 - 17-152-100
0.4↑ OS. 1/4 mark
m.o.s - spiked out
Redid m.o.s. -N.side

Diff
N=0.02
V=0.02

9/35



8-28-19
Clear, 80's
m. Krebs
D. Steinbach

SURVEY CONT. W/ VRS
-N T 152N R100W

A 7421 NW-33 O.S.
Diff H= 0.05
V= 0.08

50081 S1/4-14-152-100
O.S. w/3366 AC/Pits

Diff H=0.02
0.07

50082 SW-14-152-100
O.S. w/2884 AC ON N.side

H=0.02
V=0.00

50083 W1/4-14-152-100.
USCOE AC
O.S. Laying Alongside -W. side
w/1/4 mark

H=0.01
V=0.01

44

Rec. Cor

Pit

3'

I. Post w/USACE

Rec Cor

St. F. Post

B6-15-11
Rec. Cor

3'

St. F. Post

50084 SE Sec 16 - 152 - 100
O.S w/ Reb E. Side
w/ marks

Diff H = 0.02
V = 0.01

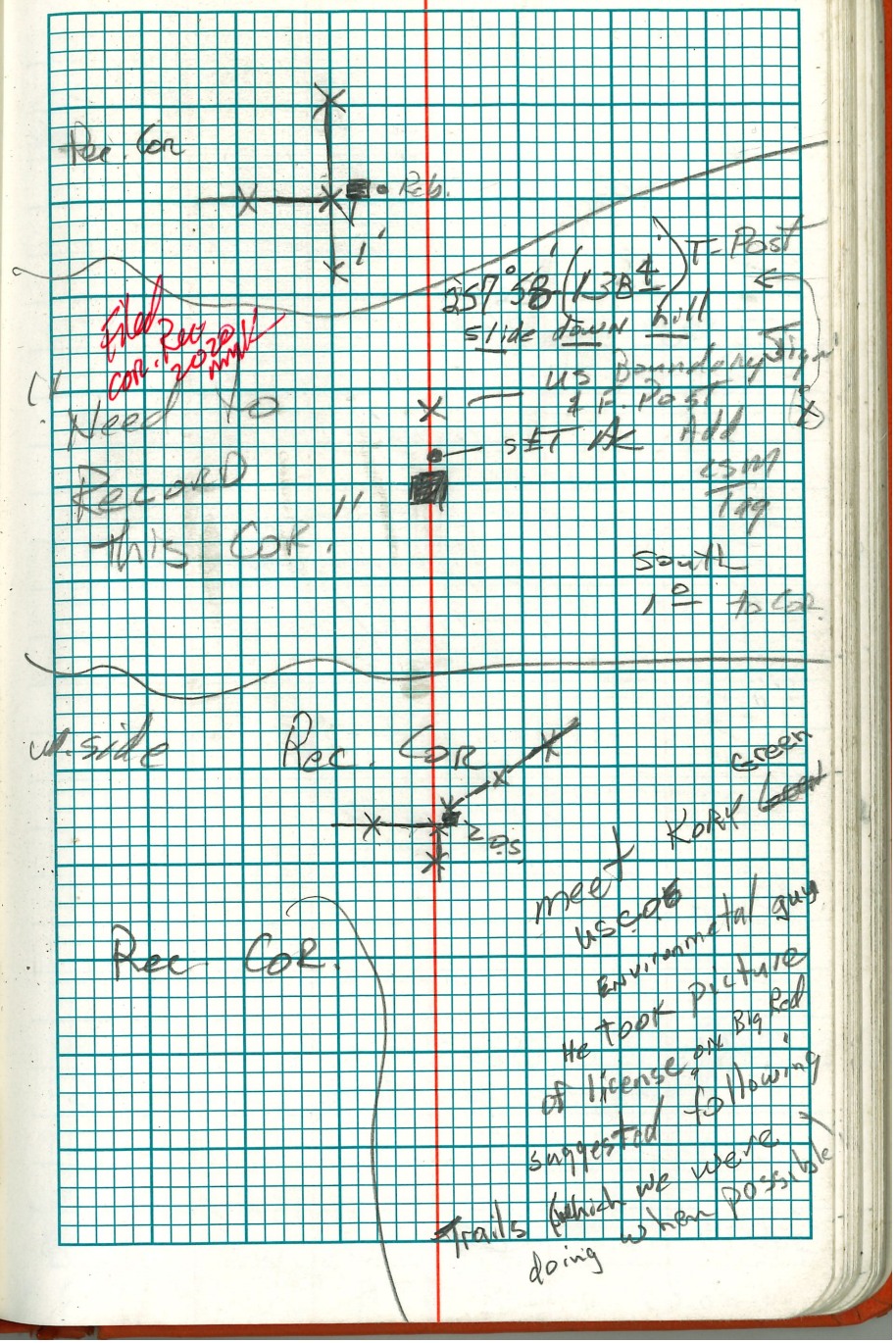
50085 S1/4 16 - 152 - 100
O.S. W1/4 Cor
Added - set 3214 AC N. side
H = 0.04 V = 0.01 on 1/2" x 18" Reb

50086 SW - 16 - 152 - 100 OS w/ markings
& 2884 AC on

Diff H = 0.04 V = 0.01

50087 S1/4 15 - 152 - 100
O.S. w/ Reb E. Side
w/ Pits

Diff H = 0.01
V = 0.03



50088 N1/4 - 14 - 152 - 100
O.S w/ Rob & M.O.S. N. Side
H=0.05 V=0.01

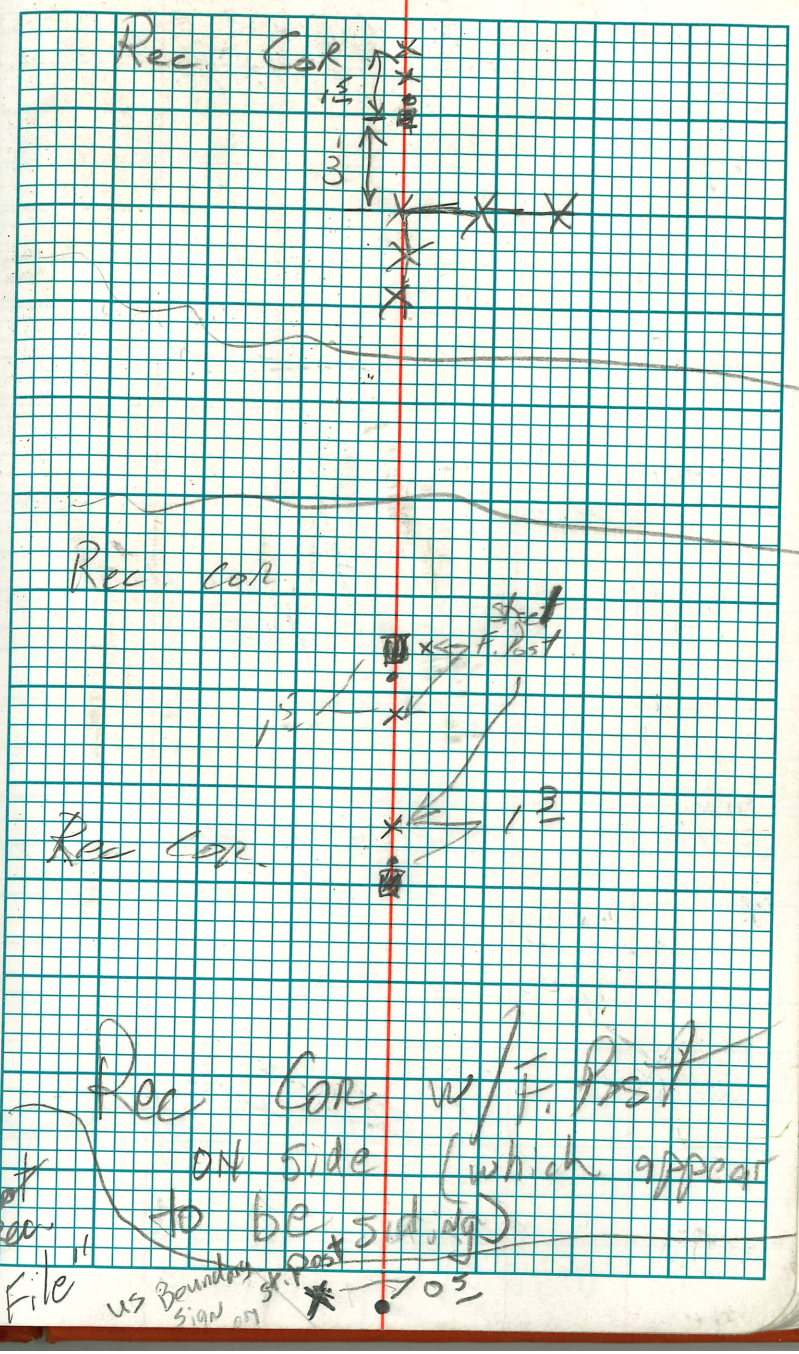
50089 PCR in 14 - 152 - 100
USCOE AC
stamped BB - 14 - 2A
H=0.01 V=0.03

50090 NE - 14 - 152 - 100
O.S. w/Rob on S. Side
Diff
H=0.01
V=0.03

50091 E1/4 - 14 - 152 - 100
O.S w/Rob on N. side
Diff H=0.01
V=0.02

50092 S1/2 - 12 - 152 - 100
~~US~~ INC. 2012 AC

50093 C1/4 - 14 - 152 - 100
T-Post in Shrubs
H=0.03 V=0.09



50094 PCR - IN Sec 14-152-100
Diff T-Post
H 0.03 w/ US Boundary Sign
V=0.01

8-29-19 SURVEY CONT.
Windy, P. Cloudy.
65-70°.
M. Krebs
D. Steinbach

A 7147 Check
S1/4-7-152-99W
O.S. w/ KUS Ac

H=0.08
V=0.36

50095 SE-12-152-100W
O.S. w/ 3366 AC N. side

H=0.03 V=0.05

50096 PCR-IN 12-152-100
T-Post w/ US Boundary

Diff H=0.02
V=0.01

47

ON. F. Post

346 @ Ground
346 @ GRID
92-18-32

SEC 1/4 - T. Rock

Rec. Cor.

x - Steel F Post alongside

Sign N-S fence line

50097 W 1/4 12-152-100
O.S. w/ Reb. on S. side
Diff H = 0.02
V = 0.02

50098 N 1/4 12-152-100
O.S w/ Reb on S. side
Diff H = 0.03 V = 0.05

C 1/4 12-152-100
"Searched for nothing found"

50099 E 1/4 -12-152-100
O.S. w/ Reb on W. side
Diff H 0.02 V = 0.03

50100 NE -12-152-100
O.S. w/ Reb E. side
Diff H 0.01 V = 0.02

50101 E 1/4 1-152-100
O.S. w/ Reb W. side
H = 0.02 V = 0.02

50102 PCR - USCOE AC
BB1 - 1A
H = 0.03 V = 0.01

48

Rec. Cor.

Rec. Cor. w/ US Tag & CSM Tag & Post
N. side Fence

Rec. Cor. Pits N & S
St. F. Post 2' South

Rec. Cor. ⊠ → 3'
x St. Post w/ CSM

Rec. Cor.

SD 103 S1/4 6-152-99
O.S. w/Reb N. side
H=0.02 V=0.01 Pits E-W

A-7157 ck SW-5-152-99
O.S. w/Reb. N. side
Diff
H=0.11
V=0.41

A-7161 W1/4-5-152-99
H=0.03 O.S. w/5771
W=0.61 ok
w/4 mark clearly
M.O.S. west side

50104 PCR - in 5-152-99
US COE AC

Diff H 0.01 V=0.05

50104 TRI - USCOE 15-R
Dated 1950
4" Brass Cap on
4" Pipe

Diff
H=0.02
V=0.02

49

Rec Cor. w/ F Post

Rec Cor w/F Post & USM Tag
on N side

Rec Cor
Hig hbranks
(in Patch of Shrubs

Stamped BB5-6B

w/Pickup Trail

9-3-19
P. Cloudy
windy, 20 mph
70°
M. Krebs
D. Walsh

VRS SURVEY CONT.

A 500,001 CK = 500,001
Diff = H = 0.13
V = 0.29

A 7145 S 1/4 - 5 - 152 - 99
O.S. w/ 2352 Ac
H = 0.08
V = 0.28

50105 NW - 9 - 152 - 99
O.S. w/ Reb.
Diff H = 0.02
V = 0.02

50106 W 1/4 4 - 152 - 99
H = 0.01 O.S. w/ Reb
V 0.01

50

See Page 52 Point Reshoot
as PT# 50111 @ END of Day

Record Cor w/ F Post
& 1/4 mark

Rec. Cor
Ph. 166 175 ~~174~~ JPG

Rec Cor Photo
178 JPG

50107 US COE AC AAS-3

H=0.04
V=0.04

A9936 S1/4-31-153-98
USCOE AC

H= 0.07
V= 0.42

50108 SE-31-153-98
ES 321⁄4 AC

H= 0.02
V= 0.04

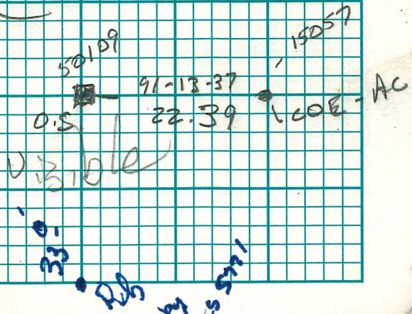
A15057
~~50109~~ PCR ~~S1/4~~ 32-153-98
USCOE AC

H = 0.06
V = 0.34

50109 S1/4 32-153-98.
O.S. w/ 5771 AC
ON N side

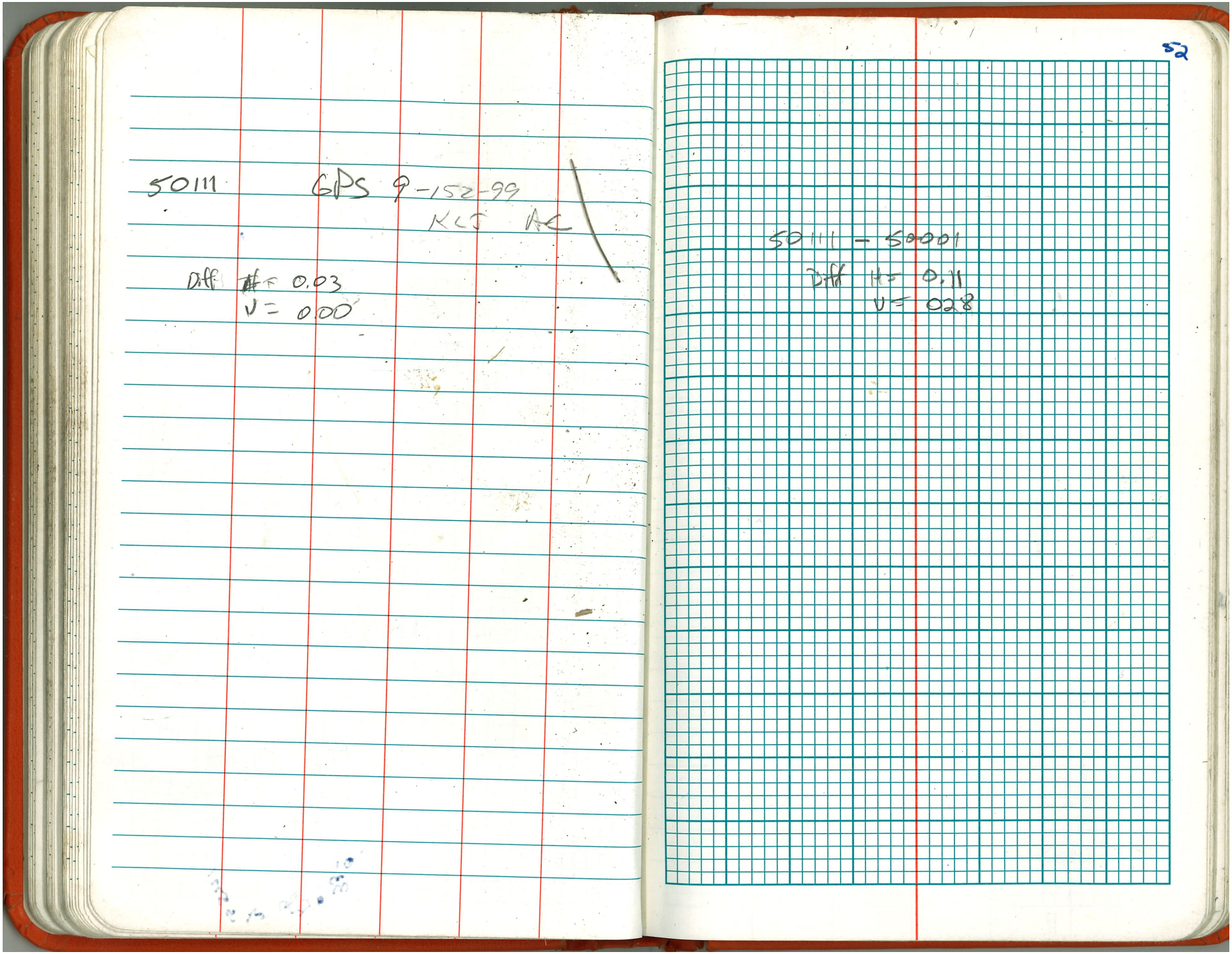
STAMPED AA3=4B ?
31 | 31
S 1/4

STAMPED AA32-10
(OLD # 9934) (NOT S1/4 32)



1/4 mark visible

Rev. This Cor.
S 1/4 - 32 O.S.
Rec'd S/23 on Doc # 1100582B Rev. by 5771 2-30-10


50111 GPS 9-15-99
KLJ AC
Diff H= 0.03
V= 0.00
52
50111 - 50001
Diff H= 0.11
V= 028

9-4-19
M. Clear 80s
M. Krebs 20 mph
D. Walsh

URS Survey Cont

A7131 SE-36-153-99 ~~2352~~ 2999 AC

Diff H = 0.16
V = 0.37

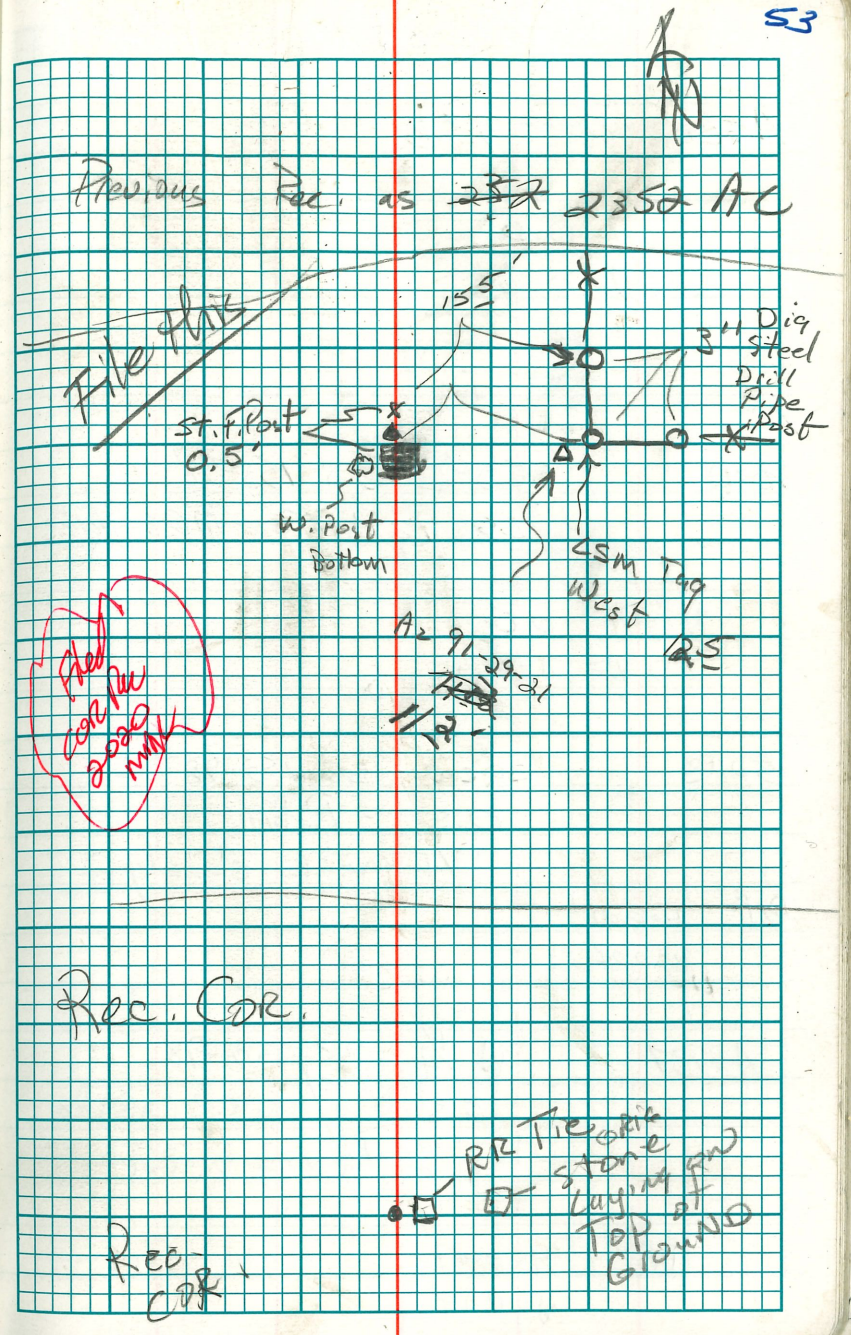
50110

SE-32-153-98
O.S. w/ markings
2W-4E
1.0 ft below surface
w/ 1/2" OLD Broken off
Wood Post along
westside
set 5/8 X 24" Reb
w/ KLJ AC # PLS 3214
alongside on N. side

Diff H 0.05
V 0.01

A15040 S1/4-33
RLS 2352 AC
Diff H = 0.07
V = 0.38

A15038
Reb AZ
H = 0.06
V = 0.25



A500,000 Rob.

H = 0.03
V = 0.64

5011Q SESEC 35-153-98
CS 1241 YPC - MOS - No. 4

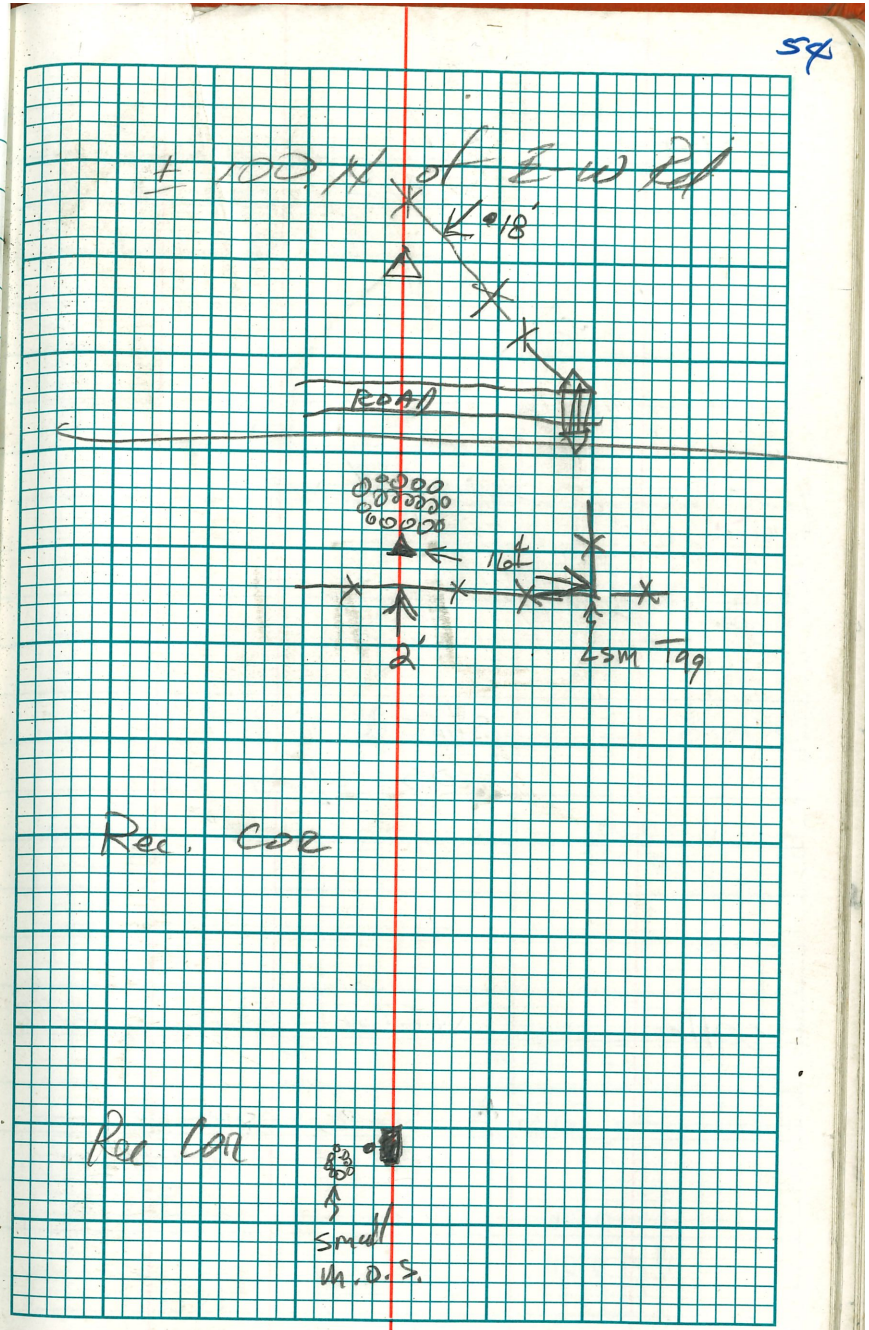
Diff H = 0.06
V = 0.05

5011Q SQCOR - 35-153-98
O.S. - Rebar
1/4 mark clearly

Diff H = 0.03
V = 0.04

A7737 W 1/4 - 35-153-98
O.S. w/ Reb w. side
w/ 1/4 mark visible

Diff H = 0.07
V = 0.14



50114 E 1/4 - 35-153-98
O.S. Reb w/side
1/4 mark clear

D.F H= 0.02
V= 0.00

9-5-19 Survey Cont.
m. clear 80°
z. windy
M. Krebs
D. Walsh

50115 S 1/4 - 25-153-98
O.S. w/1241 YPC

H=0.02
V=0.02

50116 WT Cor S 1/4 - 26-153-98

0.5 ↑ PLS 8818 AC
on 5/8"

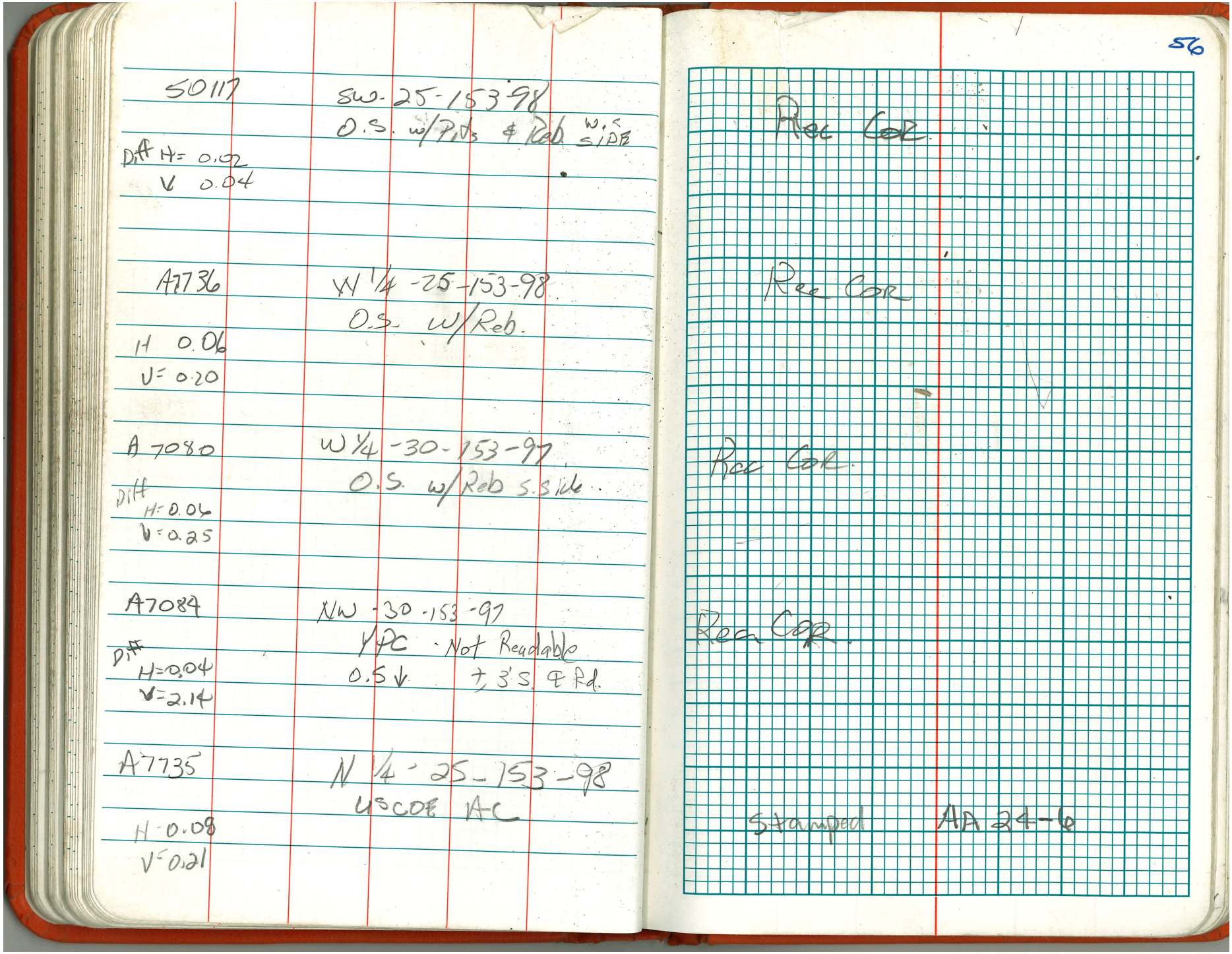
H = 0.04
V = 0.01

55

Rec Cor

Rec Cor

Not Rec. ? Cor



50117 SW-25-153-98
O.S. w/Pits & Reb W.S. SIDE
Diff H= 0.02
V 0.04

A7736 W 1/4 -25-153-98
O.S. w/Reb.
H 0.06
V= 0.20

A 7080 W 1/4 -30-153-97
O.S. w/Reb S.S side
Diff
H=0.06
V=0.25

A7084 NW -30-153-97
VPC - Not Readable
0.5↓ ± 3's & Fd.
Diff
H=0.04
V=2.14

A7735 N 1/4 - 25 - 153 - 98
USCOE AC
H 0.09
V=0.21

56

Rec Cor.

Rec Cor

Rec Cor.

Rec Cor.

Stamped AA 24-6

A 7083 W½ -19 -153-97
2352 AC

H=0.12
V=0.31

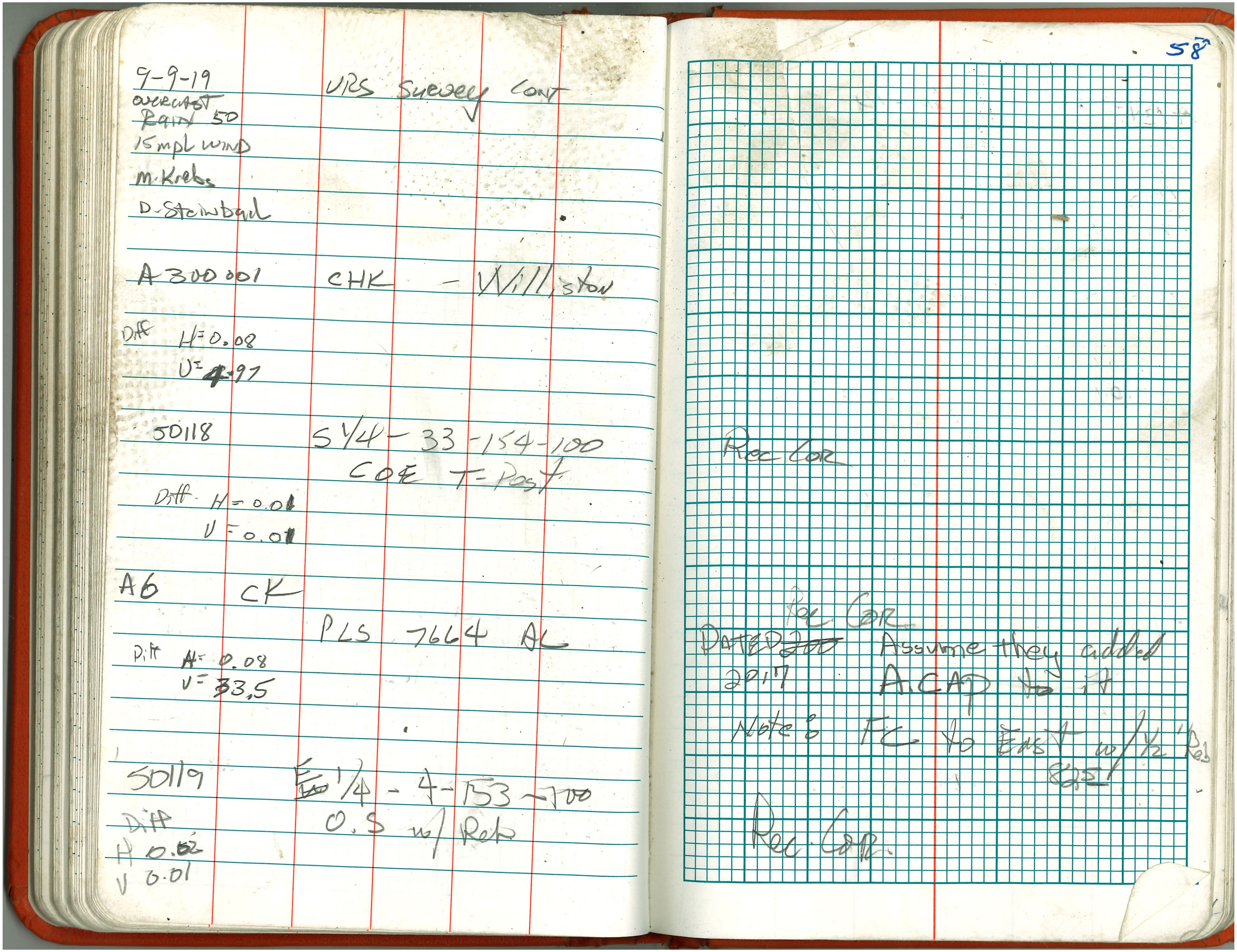
A 7734 NW-19 -153-97
USCOE AC

H=0.06
V=0.08

END WEEK
"OUT OF DATA"

57

Rec. Cor
STAMPED AA 18-1



9-9-19 URS SURVEY CONT
OVERCAST
RAIN 50
15mph WIND
M. Krebs
D. Steinbach

A 300 001 CHK - Williston

Diff H=0.08
V=4.97

50118 S 1/4 - 33 - 154 - 100
COE T-Post

Diff. H=0.01
V=0.01

A6 CK

PLS 7664 AL

Diff H=0.08
V=33.5

50119 E 1/4 - 4 - 153 - 100
0.5 w/ Reb

Diff
H 0.02
V 0.01

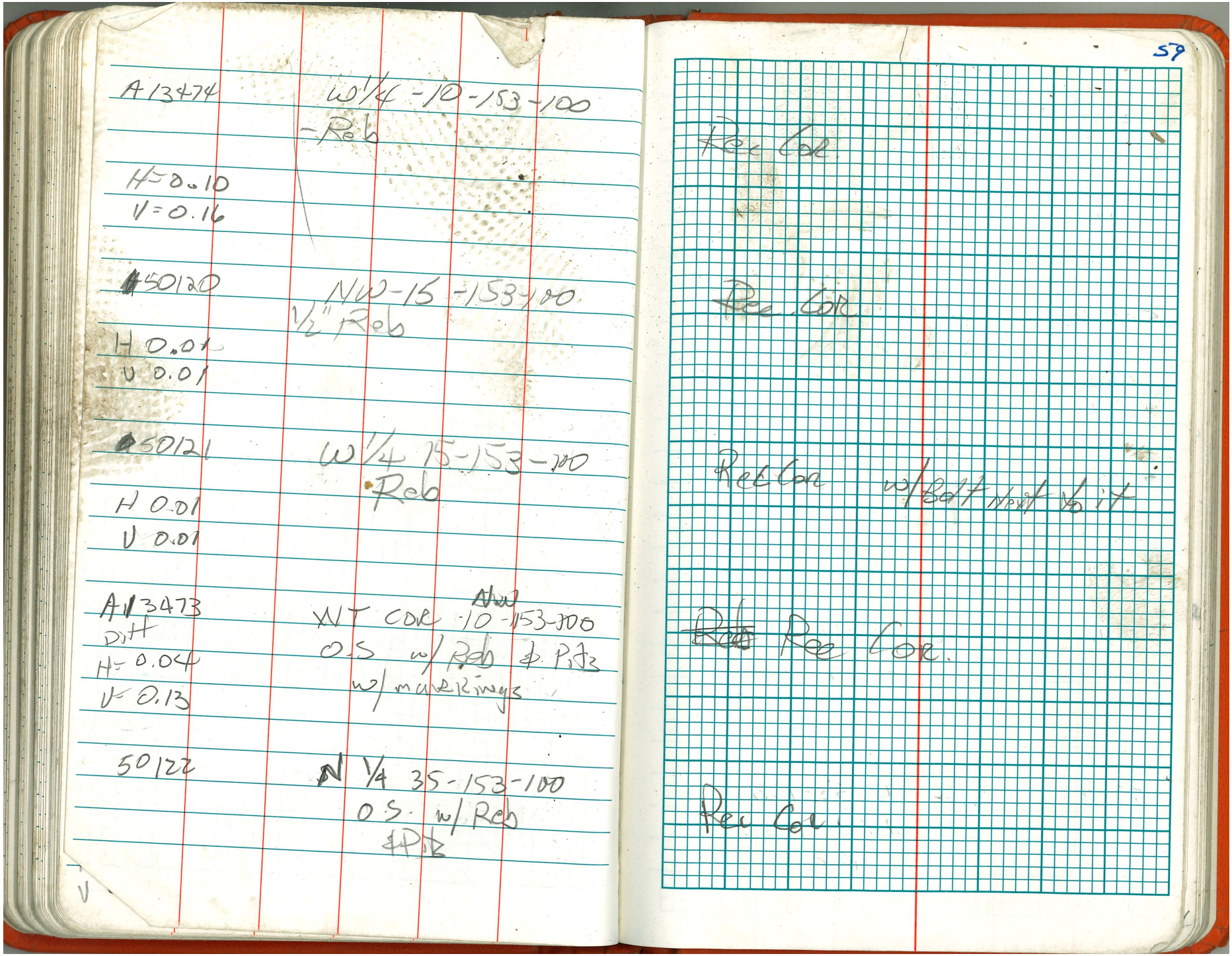
58

Rec Cor

Rec Cor
DATED ~~200~~ 2017 Assume they added A CAP to it

Note: FC to East w/ 1/2 Reb 8025

Rec Cor.



A13474 W1/4 -10-153-100 -Reb

H=0.10
V=0.16

#50120 NW-15-153-100 1/2" Reb

H 0.01
V 0.01

#50121 W1/4 15-153-100 Reb

H 0.01
V 0.01

A13473 NW WT COR 10-153-100
Diff O.S w/ Reb & Pits
H=0.04 w/ mine Rings
V=0.13

50122 N 1/4 35-153-100
O.S. w/ Reb
& Pits

V

57

Rec Cor.

Rec Cor.

Rec Cor w/Bolt West ½ it

Reb Rec Cor.

Rec Cor.

4-10-19
cloudy 55-65°
m. Krebs
D. Steinbach

URS
Survey Cont'd

50123
NW 35-153-100
O.S. Reb on E. Side
Diff
H = 0.04
V = 0.01

50124
W 1/4 - 35 - 153 - 100
AC - Stamped
H = 0.02
V = 0.01

50125
NE - 35 - 153 - 100
Reb.
H = 0.01
V = 0.02

50126
NE - 26 - 153 - 100
O.S. w/Reb. S.S. side
H = 0.02
V = 0.02

50127
N 1/4 - 26 - 153 - 100
O.S w/Reb N. side
H = 0.01
V = 0.01
F.C.

60

Rec. Cor.

DD 35-2

Rec. COR

34 | 35

1/4

Rec Cor.

Rec Cor

50128 W 1/4 22-153-100
Diff Pits N&S w/ AC in between
H = 0.01
V = 0.02

50129 NW - 22-153-100
O.S. w/ Reb
H = .01 & US Boundary sign on St. F.
V = 01

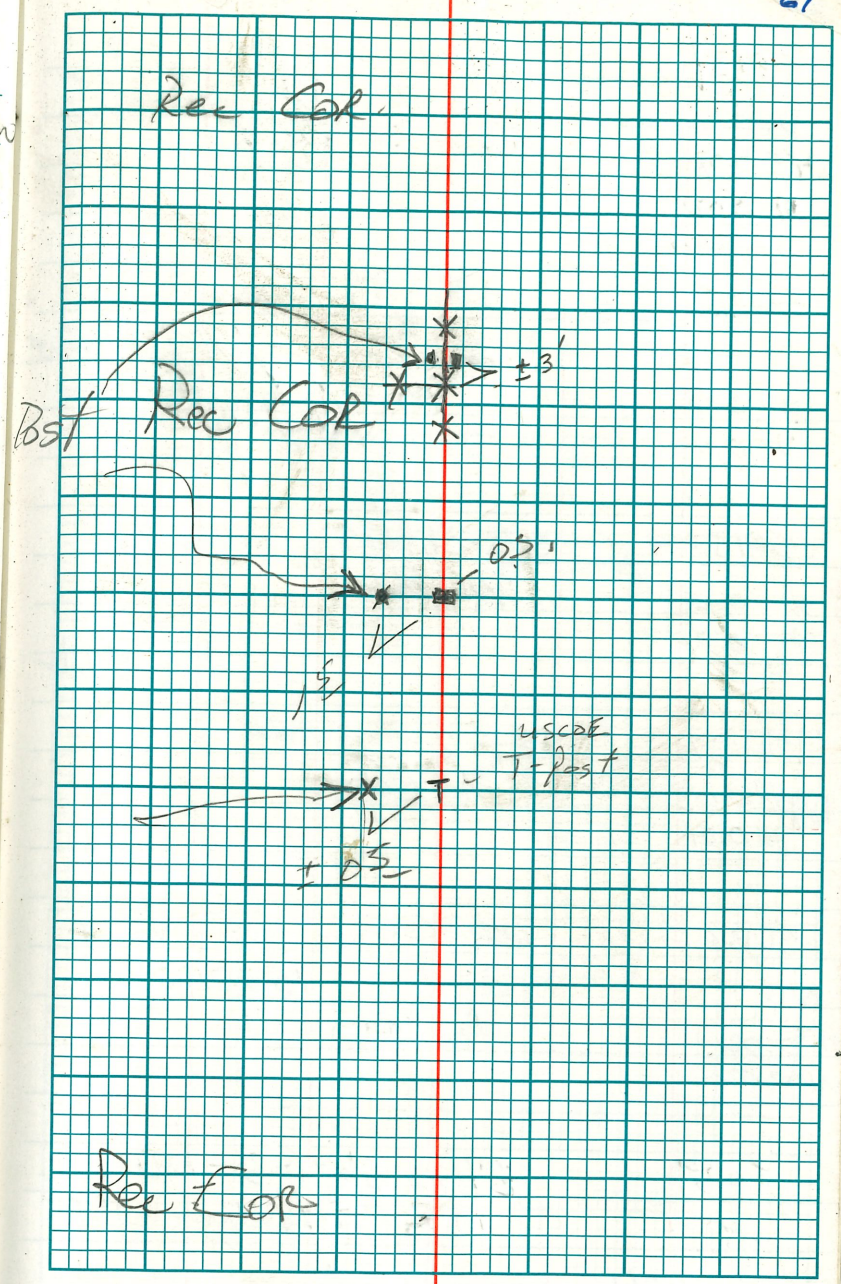
50130 SW-22-153-100
O.S. w/Reb
H = 0.01
V = 0.01

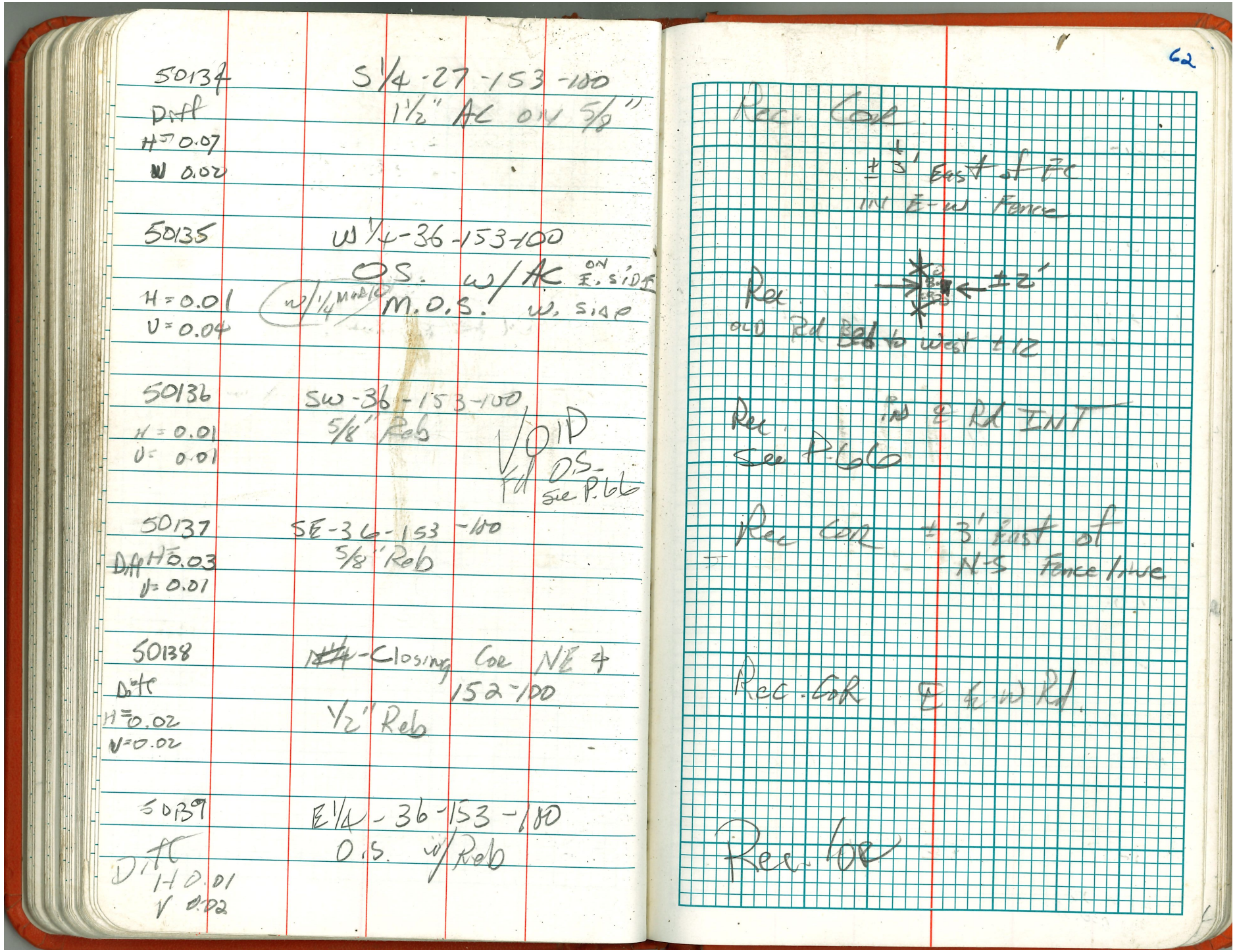
50131 PCR - USCOE - T-Post
H = 0.01 w/US Boundary Sign
V = 0.02 ON St. F. Post

50132 PCR USCOE - AC
stamped ~~DD~~ DD 27-14

50133 E 1/4 - 27-153-100
RLS 2352 AC
0.01
0.04

61





50134 S1/4-27-153-100
Diff 1½" AC on 5/8"
H=0.07
V 0.02

50135 W1/4-36-153-100
O.S. w/ AC on E. side
H=0.01 w/¼ Mon'd M.O.S. W. side
V=0.04

50136 SW-36-153-100,
5/8" Reb
H=0.01 VOID
V=0.01 Fd O.S.
See P.66

50137 SE-36-153-100
5/8" Reb
Diff H 0.03
V=0.01

50138 ~~NE¼~~-Closing Cor NE ¼
152-100
½" Reb
Diff
H=0.02
V=0.02

50139 E1/4-36-153-100
O.S. w/Reb
Diff
H 0.01
V 0.02

62

Rec. Cor
± ½' East of Fc
INT E-W Fence

Rec ±2'
Old Rd Bed to West ±12

Rec INT & Rd INT
See P.66

Rec Cor ± 3' East of
N-S fence line

Rec. Cor E & W Rd.

Rec. Cor

50140 NE-36-153-100
O.S. w/ Reb on N. side
w/ markings
H=0.02
V=0.01

9-11-19
Overcast
55-60°
Windy, Rain
M. Kicks
D. Steinhaus
Survey Cont

50141 N 1/4-4-153-100
O.S. w/ Reb
& LSM Tag

50142 N 1/4-31-153-99
O.S. w/ Reb.
H=0.01
V=0.01

50143 16 COR-31-153-99
RLS 1195 PLS
H=0.03
V=0.02

A 7297 ~~NE~~ SW-29-153-99
O.S w/ 5/8" Reb
H 0.02
V 0=0.37

63

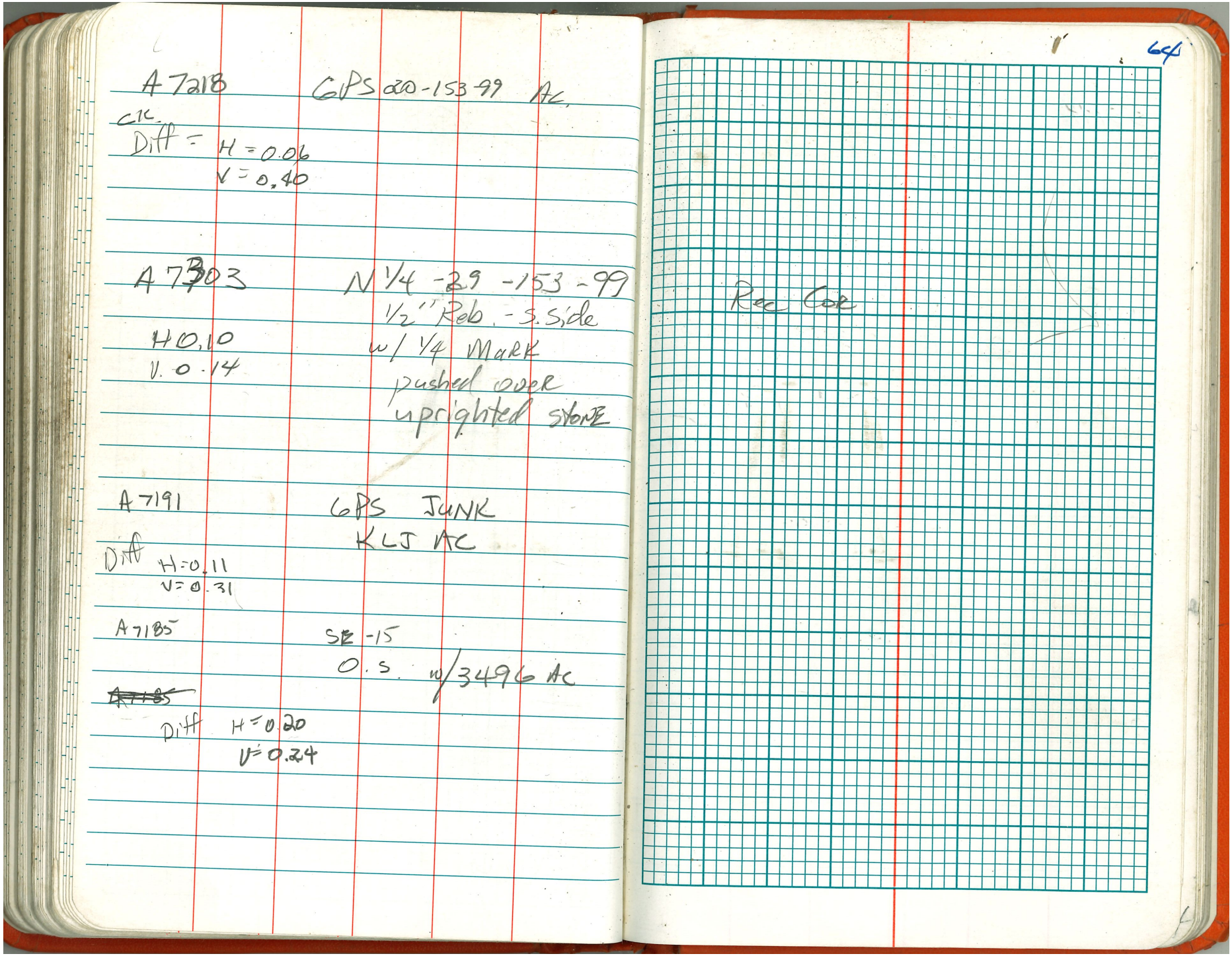
Rec Cor

Rec Cor — Wood Post — 2 LSM — 2-13-12 — Reb

Rec Cor

Rec Cor

Rec Cor



A7218 GPS 20-153-99 AC.
CIC.
Diff = H = 0.06
V = 0,40

A7303 N 1/4 -29 -153 -99
1/2" Reb. - S. Side
w/ 1/4 Mark
pushed over
uprighted stone
H 0.10
V. 0.14

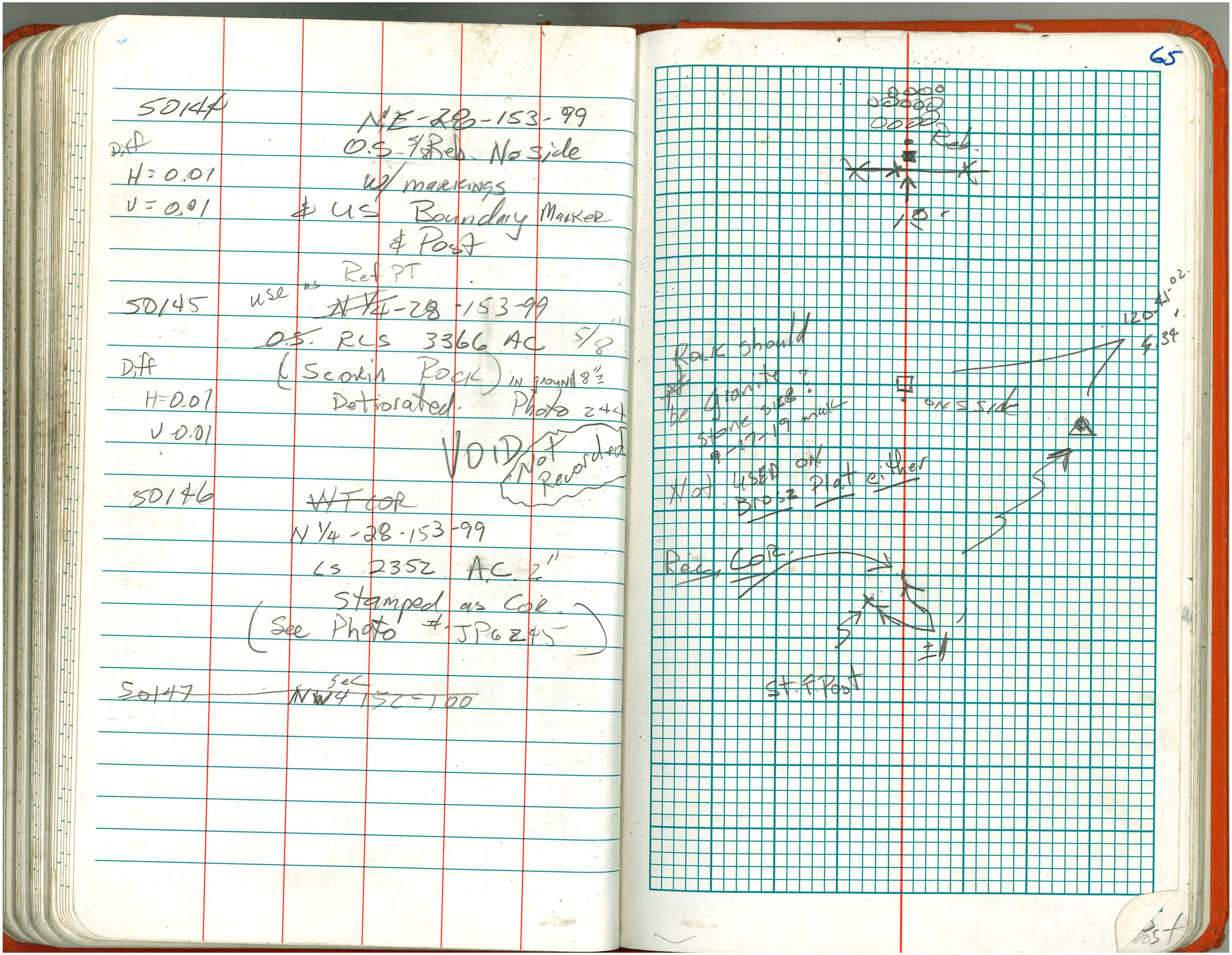
A7191 GPS JUNK
KLJ AC
Diff H=0.11
V=0.31

A7185 SE -15
O.S. w/3496 AC

~~A7185~~
Diff H=0.20
V=0.24

64

Rec Cor



50144	NE-28-153-99
Diff	O.S. 5/8 Reb. No side
H = 0.01	w/ markings
V = 0.01	& US Boundary Marker
	& Post
	use as Ref PT
50145	~~N 1/4~~-28-153-99
	~~O.S.~~ RLS 3366 AC 5/8"
Diff	(Seorin Rock) in ground 8"
H=0.01	Detiorated. Photo 244
V 0.01	VOID (Not Recorded)
50146	~~WT COR~~
	N 1/4 -28-153-99
	LS 2352 A.C. 2"
	Stamped as Cor.
	(See Photo # JPG 245)
~~50147~~	~~Sec NW4 152-100~~

65

Reb.

10'

Rock should be Granite? stone size #-17-19 mark

on S side

Not used on Brosz Plat either

Ref. Cor.

St. F Post

Post

9-12-19 URS - Survey Control

Sunny Hot
90° & Breeze
M. Krebs
D. Steinbach

50147 NW-4-152-100,
½ Reb Found 2.8' N
in E Rd. Bent over
@ TOP STRAIGHTen
& set 5/8" x 24" Reb
ON TOP.

Diff
H=0.03
V=0.01

50148 S10-3-153-100
O.S w/ 5/8" Reb.

Diff H=0.03
V=0.01

B7191 ck 7191 Diff H=0.07
V=0.24

50149 S¼-22-153-99
O.S. w/ Reb 1/4 mg 11/4

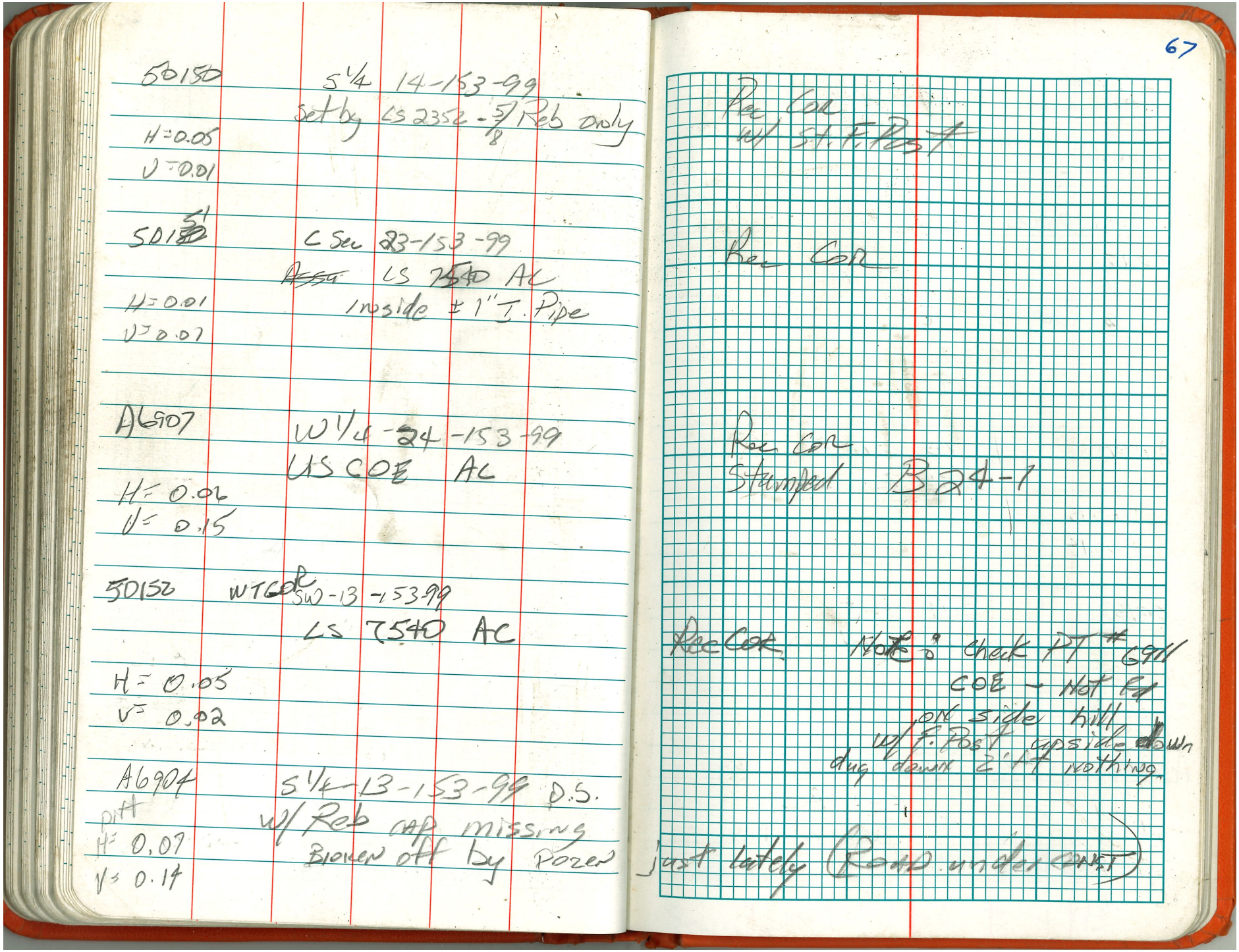
H=0.01
0.03

62

Rec Cor

Re. Cor w/ marks
Reb. on S. side of Stone

~~Reb~~ Rec Cor N. side E-W Fence
± 1' N w/ US Boundary Sign Post



50150 S 1/4 14-153-99
Set by LS 2352 - 5/8 Reb only
H=0.05
V=0.01

5015~~0~~ 1 C Sec 23-153-99
~~Aless~~ LS 7540 AC
H=0.01 Inside ± 1" I. Pipe
V=0.07

A6907 W 1/4 - 24-153-99
US COE AC
H= 0.06
V= 0.15

50152 WTC~~o~~R SW-13-153-99
LS 7540 AC
H= 0.05
V= 0.02

A6904 S 1/4 - 13-153-99 D.S.
pit w/ Reb cap missing
H= 0.07 Broken off by Dozer
V= 0.14

67

Rec Cor
Set S.T. Post

Rec Cor

Rec Cor
Stamped B 24-1

Rec Cor Note: check PT #6904
COE - Not Found
on side hill
w/ T. Post opposite down
dug down 2' Ft nothing.

Just lately (Road under cover)

9-17-19
M. Sunny -80°
L. Windy
M. Krebs
D. Steinbach

URS Survey Cont

A 500,003 ½" Reb
H=0.17
V=0.29

~~A~~ 500,003 CK
H 0.017
V=0-29

A1507 ~~H10 H6~~ NE-17-153-98
~~H65A~~ AC ~~LS 2999~~ Ac
H=0.15
V=0.14

5053 5¼-16-153-98
O.S. w/Reb on S.S.10Z
H=0.02
V=0.03

A500004 CK CPS - FIREHALL
KLJ AC
Buried 1.3'
H=0.25
V=0.24

68

Dbl Check

Rec. CoR.

NOTE: New Fire Hall
± 25 NW
"Possibly disturbed"

Sewer Drain Line ± 4' NE

A15124 NE-15-153-98
Diff Reb. by COE
H= 0.16
V= 0.03

A1516 NW-2-153-98
O.S. w/AC 4654
H= 0.08
V= 0.37

50154 W 1/2 35-154-98
O.S. w/4654 Ac
H=0.03
V=0.02

50155 NW 35-154-98
O.S w/4654 AC

50156 N 1/2 35-154-98
O.S. w/4654 Ac
D.# H= 0.01
V= 0.01

50157 NE-35-154-98
O.S- w/4654 Ac
D.# H 0.02
V 0.01

69

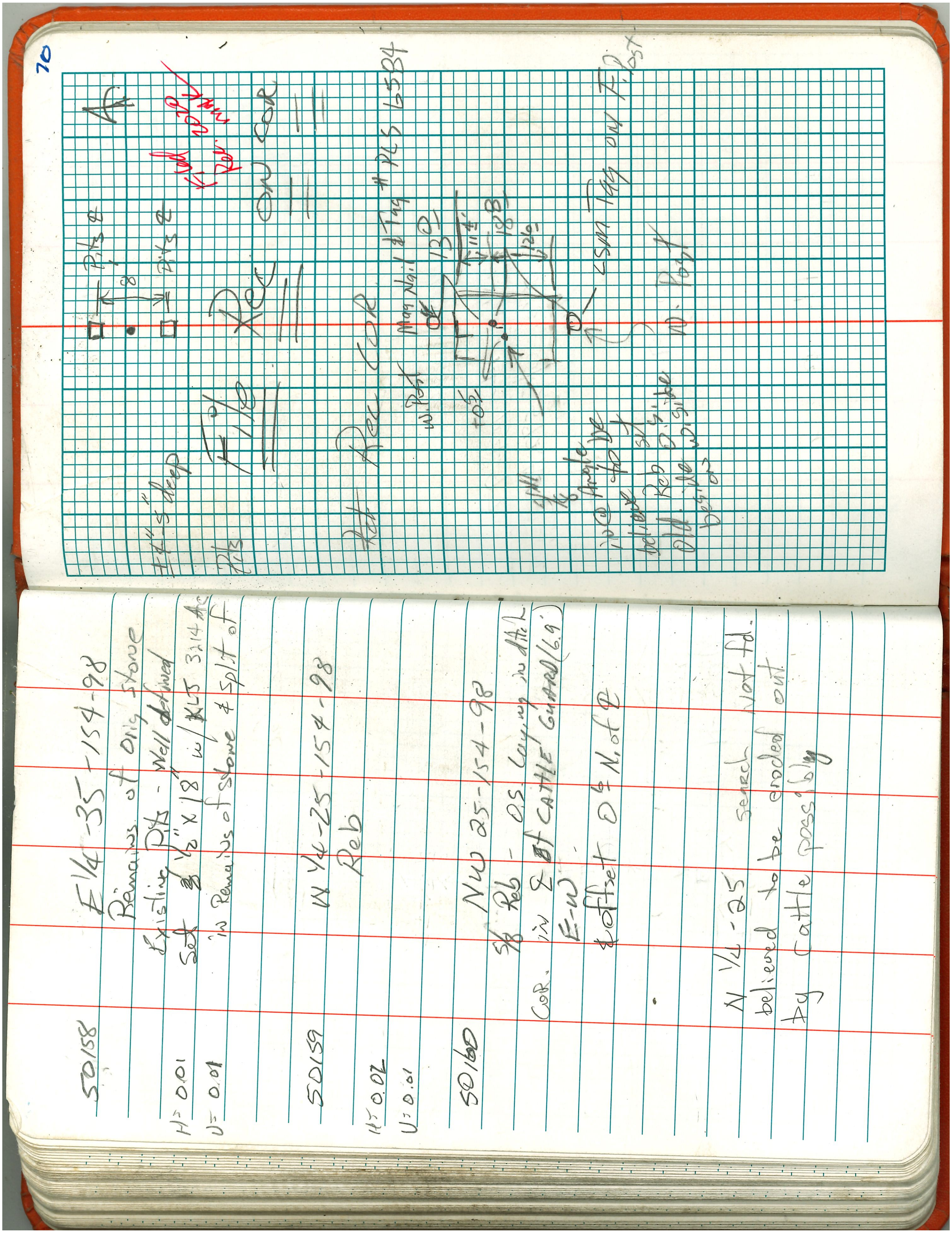
1N Road Rec. Cor.

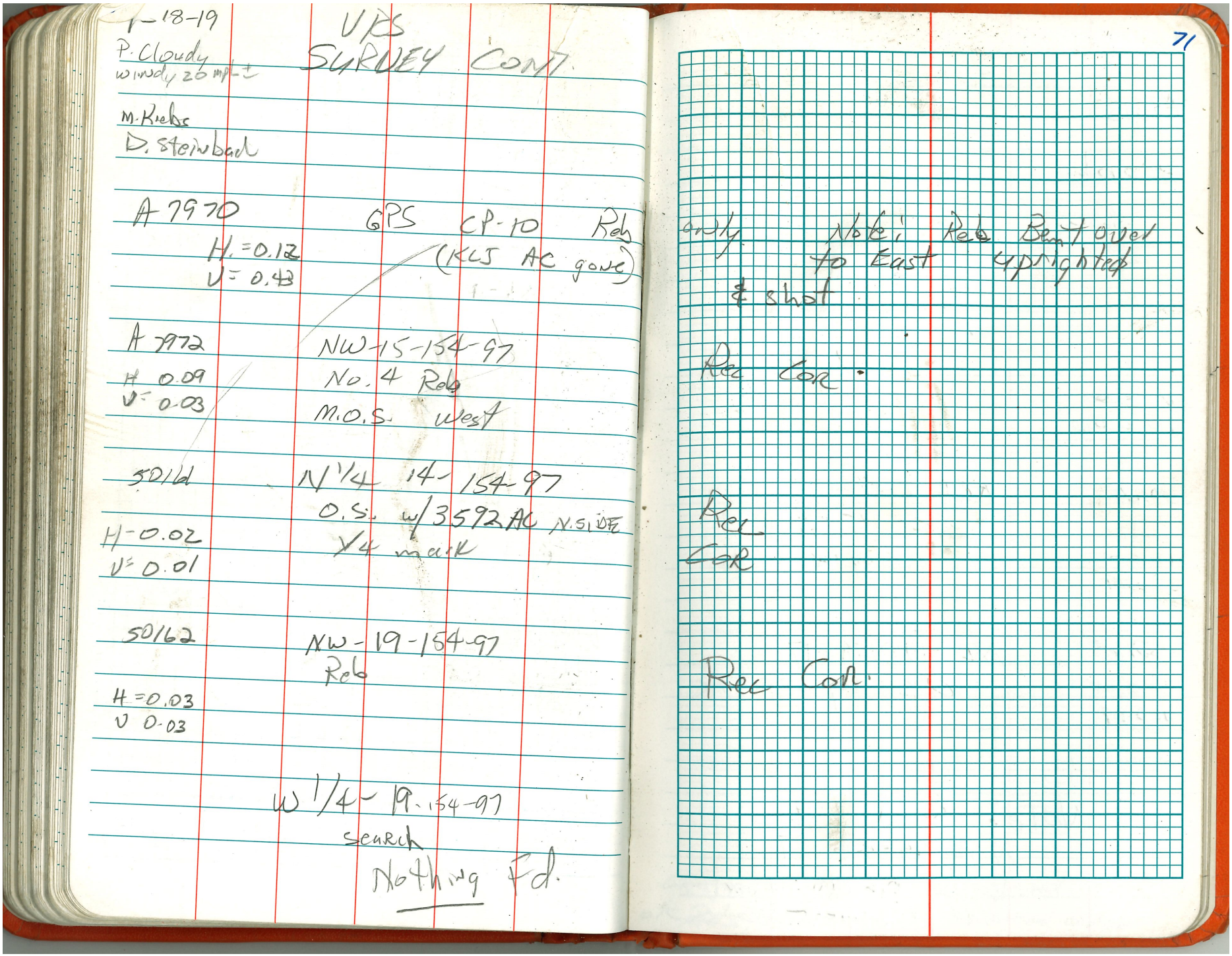
Rec. Cor ±2'

Rec. Cor ±2'

Rec Cor 1'S

M.O.S. Nail 1'S ±


50158
E 1/4 - 35 - 154 - 98
Remains of orig stone
Existing Pits - Well defined
Set 5/8 1/2" x 18" w/ KLJ 3214 Ac
in Remains of stone & split of
H = 0.01
V = 0.01
50159
W 1/4 - 25 - 154 - 98
Reb
H = 0.02
V = 0.01
50160
NW 25 - 154 - 98
5/8 Reb - O.S. Laying in ditch
COR. in ℄ of CATTLE GUARD (6.9')
E-W
& offset 0.5 N. of ℄
N 1/4 - 25 search Not fd.
believed to be eroded out
by cattle possibly
70
Pits ℄
8
Pits ℄
±4"s deep
Pits
File
Rec
ON COR
Filed Rec. 2020 MAK
Rec COR
W. Post
Mag Nail & Tag # PLS 6534
13.0
+0.5
11.4
18.3
12.0
CSM Tag ON Fd Post
old Reb set beside on W. side
believe to be
N. Post



1-18-19
P. Cloudy
windy 20 mph ±
M. Krebs
D. Steinbach

UPS SURVEY CONT.

A 7970 GPS CP-10 Reb (KLJ AC gone)
H. = 0.12
V = 0.43

A 7972 NW-15-154-97
H 0.09 No. 4 Reb
V = 0.03 M.O.S. West

5016d N 1/4 14-154-97
H-0.02 O.S. w/3592 AC N.S. 10E
V = 0.01 1/4 mark

5016Z NW-19-154-97
Reb
H = 0.03
V 0.03

W 1/4-19-154-97
search
Nothing Fd.

71

early Note: Reb Bent over to East 4 pr right & shot

Rec Cor.

Rec Cor

Rec Cor.

A15133 NE-25-154-98
O.S. 4654 AC

H=0.10
V 0.15

5D163 S1/4-19-154-97
USCOE - T-Post
w/ Button Cap.

H=0.01
V=0.02

5D164 ~~RCR~~ PCR
USCOE - T-Post
w/ Button Cap

H=0.01
V 0.01

5D165 NE-19-154-97
O.S. w/ 2883 AC

H=0.05
V=0.09

Note: Searched for
N 1/4-19-154-97
found O.S. laying on top
and Alignment. No sign

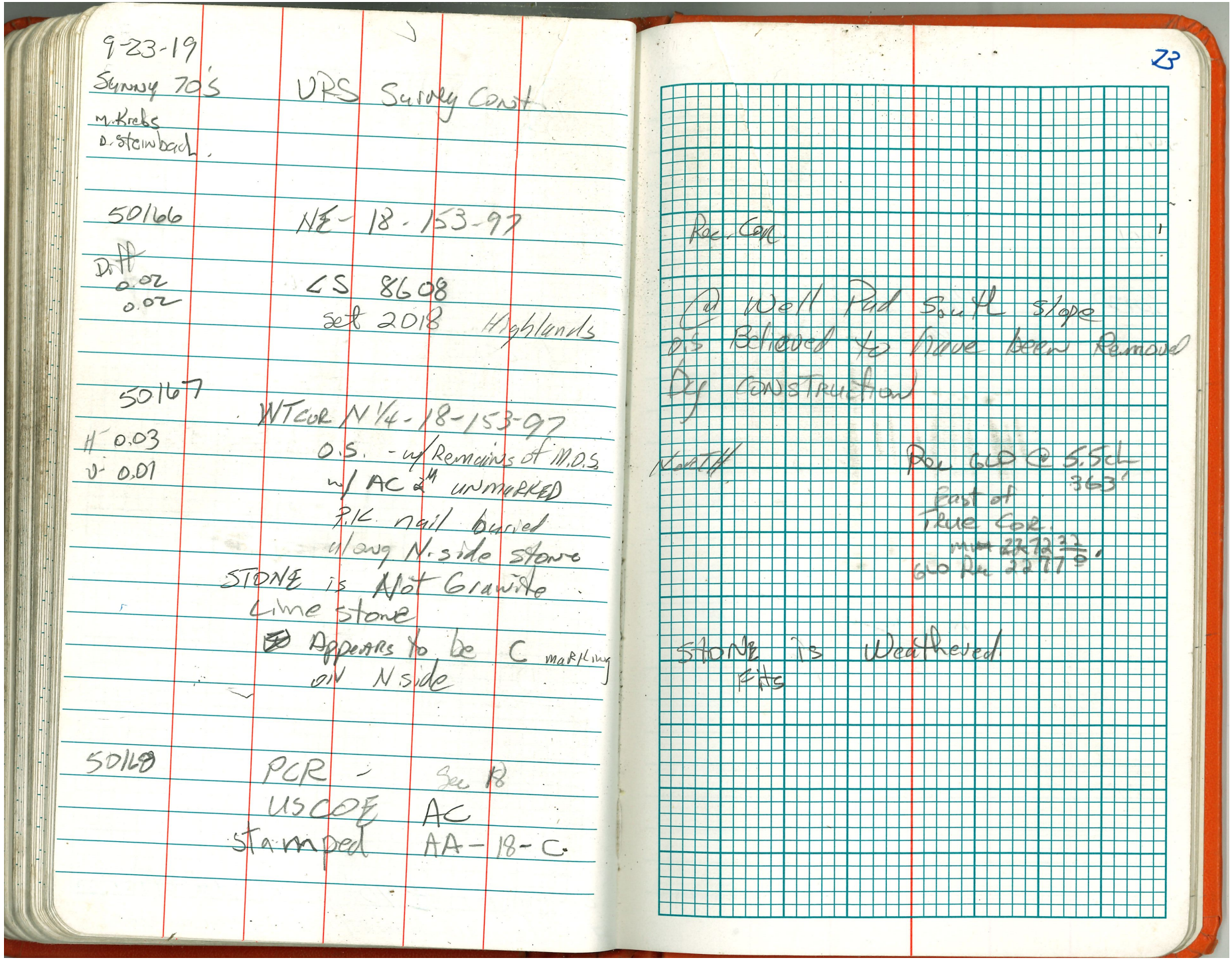
72

Rec Cor

Rec Cor

Rec Cor

of ground ± 10' of Recorded dist.
of Pits, fell downhill. Informed owner



9-23-19
Sunny 70's
M. Krebs
D. Steinbach

URS Survey Cont.

50166
Diff
0.02
0.02

NE - 18 - 153 - 97
LS 8608
Set 2018 Highlands

50167
H 0.03
V 0.01

WTCOR N 1/4 - 18 - 153 - 97
O.S. - w/ Remains of M.O.S.
w/ AC 2" UNMARKED
PK nail buried
w/ orig N. side stone
STONE is Not Granite
Lime stone
Appears to be C marking
on N. side

50168
PCR - See 18
USCOE AC
Stamped AA - 18 - C.

23

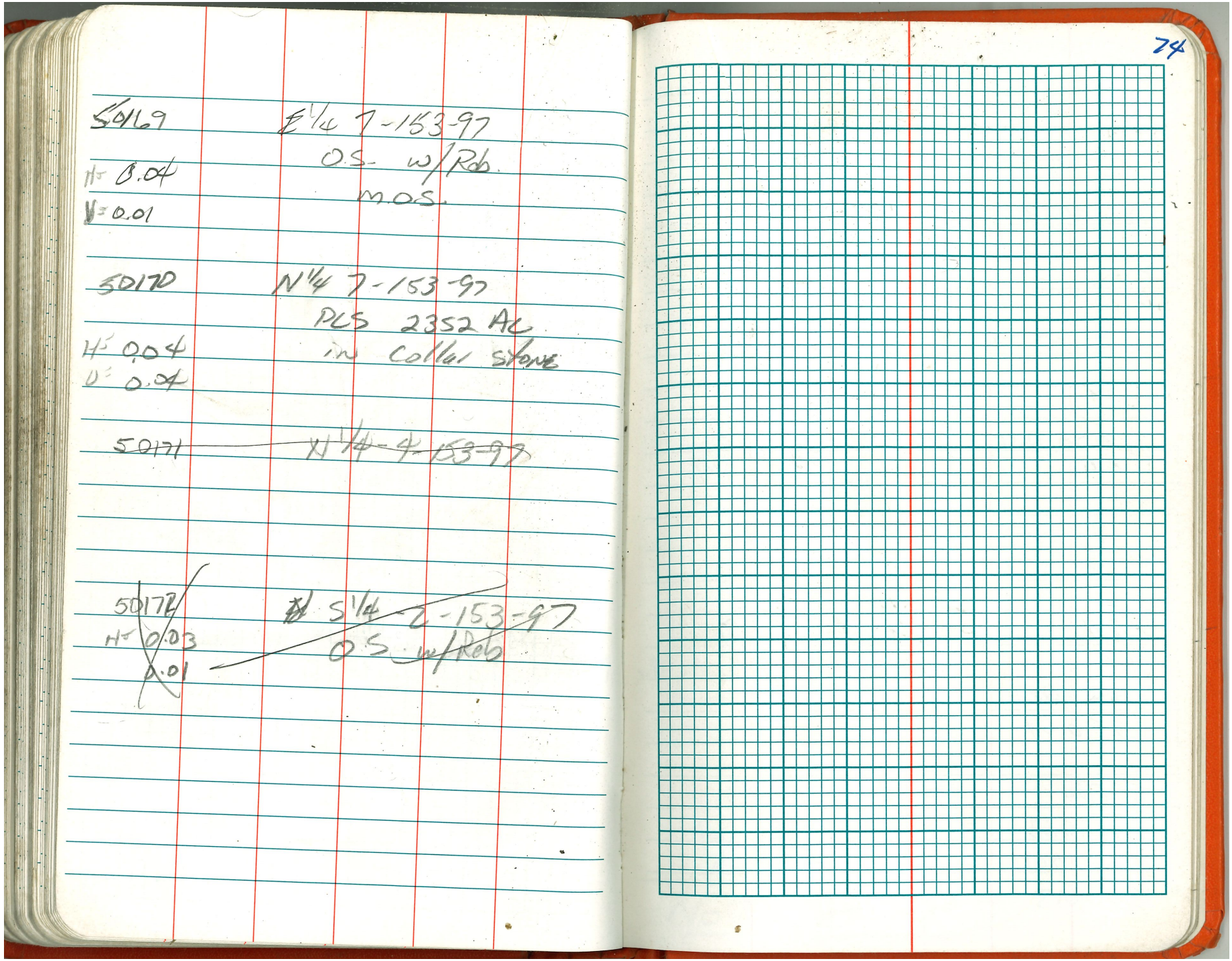
Rec. Corr.

(2) West Pad South slope
O.S Believed to have been Removed
by Construction

North

Rec. COR @ 5.5cL
363'
East of
True Cor.
MM 22 12 33
COR Rec 22 77 5.

STONE is Weathered.
FAS



50169
H= 0.04
V= 0.01

E 1/4 7-153-97
O.S. w/Rob.
M.O.S.

50170
H= 0.04
V= 0.04

N 1/4 7-153-97
PLS 2352 AL
in Collar stone

~~50171~~ ~~N 1/4 - 7 - 153-97~~

50172
H= 0.03
0.01

~~S~~ S 1/4 - 7 - 153-97
O.S. w/Rob

74

9-24-19
P. Cloudy
60's
m Krebs
D. Stenvick

VRS Survey Cont

A 500,012 ..K GPS 15-15397
5/8" Reb

Diff
H=0.27
V=0.55

B 500,012 ..K. H = 0.24
V = 0.61

A 500,014 USCOE 4" AC
stamped 233-84

Diff
H = 0.08
V = 0.27

50171 N 1/4-4-153-97
AC Not Readable

Diff
H = 0.02
V = 0.01

50172 ★S 1/4-2-153-97
H = 0.03 O.S. w/Reb
V = 0.01 N Side

500,013 — GPS Nail

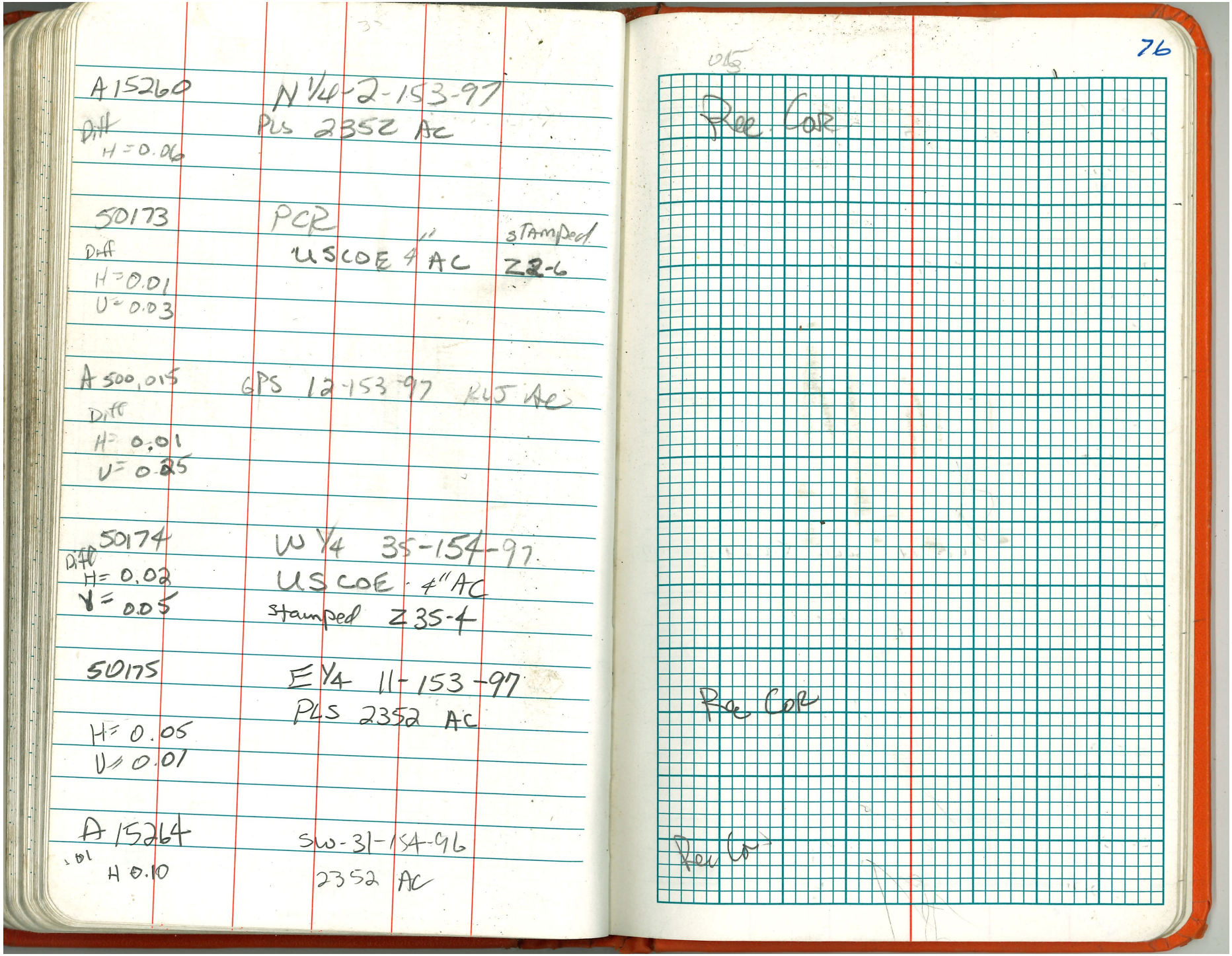
75

Rec. Cor.

Rec Cor.

Rec Cor.

NOT Found



A15260 N ¼-2-153-97
Diff Plus 2352 Ac
H=0.06

50173 PCR stamped
Diff USCOE 4" AC Z2-6
H=0.01
V=0.03

A500,015 GPS 12-153-97 KLJ Ac
Diff
H= 0.01
V= 0.25

50174 W ¼ 35-154-97.
Diff USCOE 4" AC
H= 0.02 stamped Z35-4
V= 0.05

50175 E ¼ 11-153-97
PLS 2352 AC
H= 0.05
V= 0.01

A15264 SW-31-154-96
.01 H 0.10 2352 AC

76

Rec Cor

Rec Cor

Rec Cor

50176 W 1/4 -31-154-96
H=0.03 BLM BC 1980
V=0.01

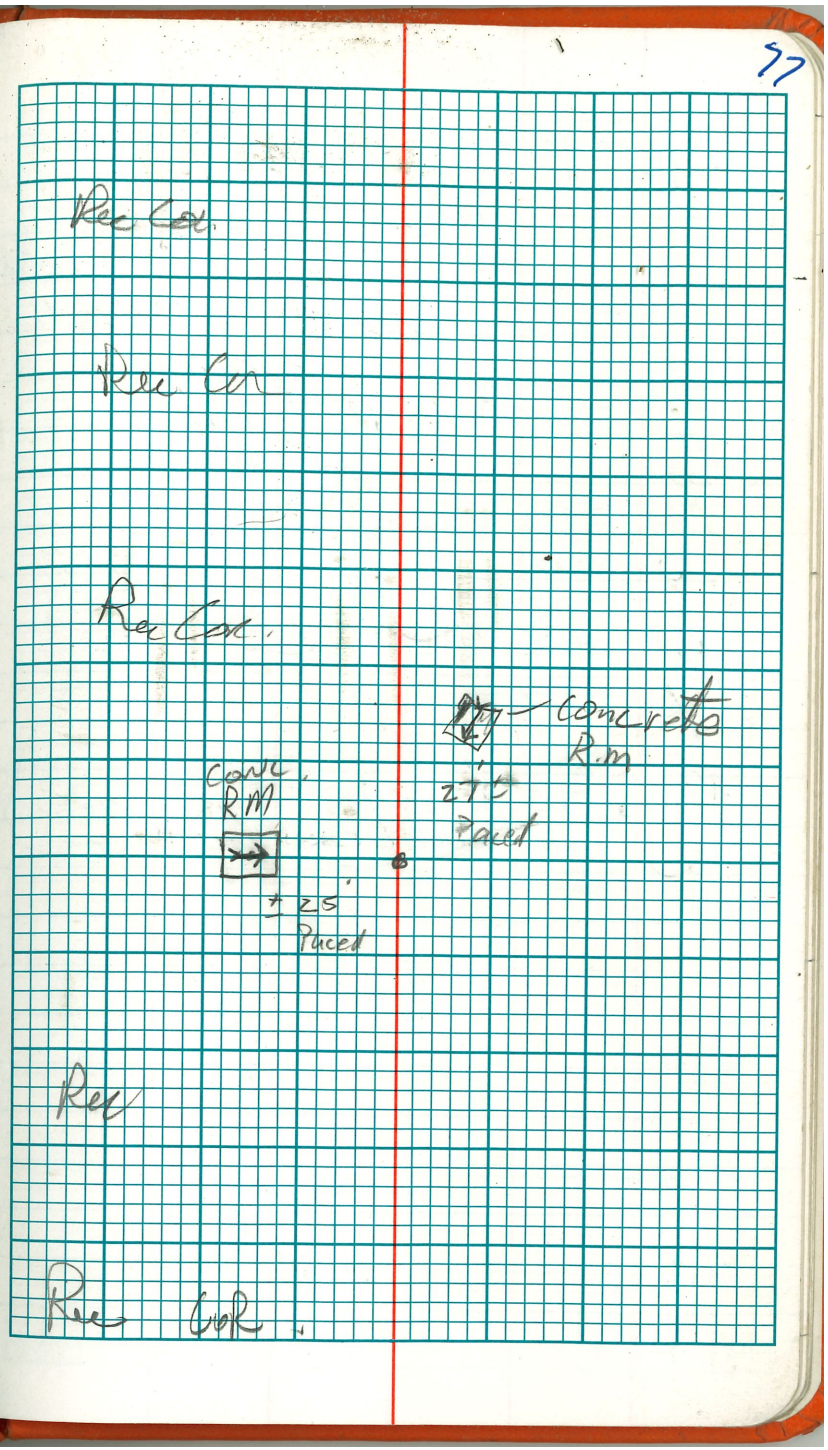
50177 S 1/4 31-154-96
H=0.03 BLM AC 1984
V=0.03

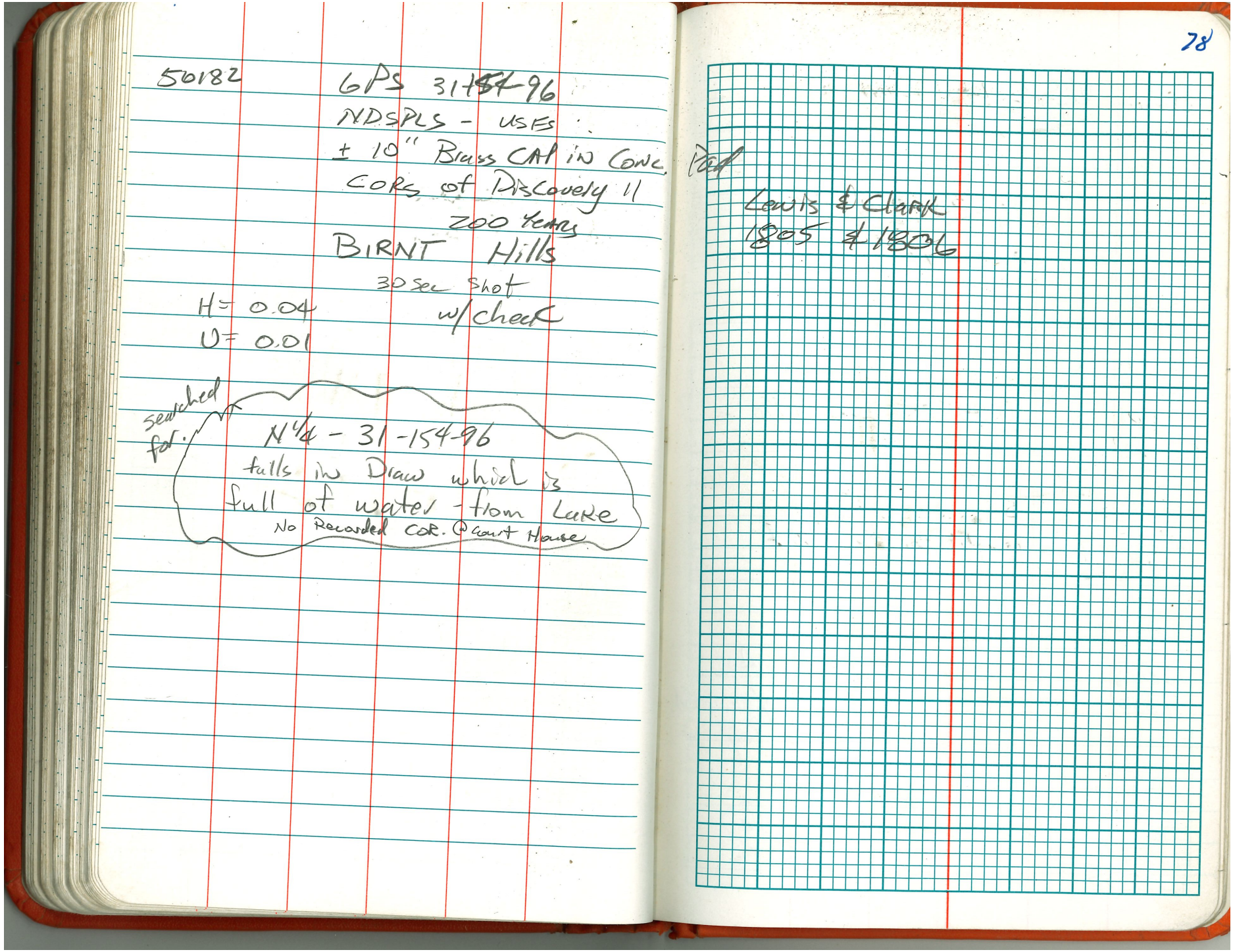
50178 SE 31-154-96
H=0.02 USDA-FS BC 1994
V=0.02

50179 GLO 31-154-96
H:0.04 US Missouri River Comm.
V=0.02 4" I.D. Pipe
w/ CAP
Shoot Top Cap.

50180 E 1/4 31-154-96
H=0.04 USDA-FS BC 1994
V=0.01

50181 NE 31-154-96
H=0.01 BLM AC 1984
V=0.02





50182

GPS 31-154-96

NDSPLS - USFS

± 10" Brass CAP in Conc.

CORS of Discovery II

200 Years

BIRNT Hills

30 sec Shot

w/check

H = 0.04

U = 0.01

searched for.

N½ - 31-154-96

falls in Draw which is

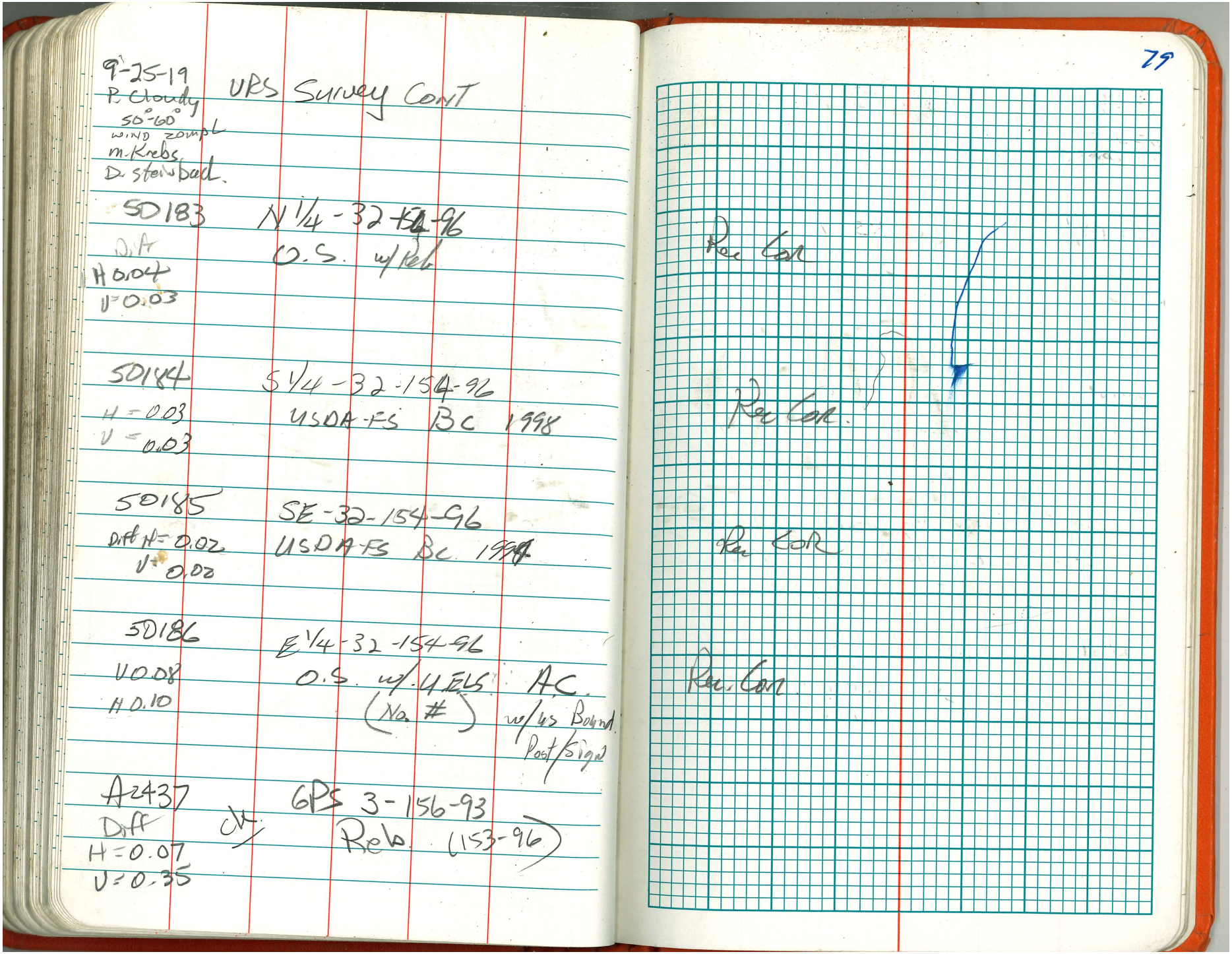
full of water - from Lake

No Recorded Cor. @ Court House

78

Lewis & Clark

1805 & 1806



9-25-19
P. Cloudy
50°-60°
WIND 20mph
M. Krebs
D. Steinbach

UPS Survey Cont

5D183 — N 1/4 - 32 - 154 - 96
O.S. w/ Reb
D.A.
H 0.04
V 0.03

5D184 — S 1/4 - 32 - 154 - 96
USDA-FS BC 1998
H = 0.03
V = 0.03

5D185 — SE - 32 - 154 - 96
USDA-FS BC 1998
Diff H = 0.02
V = 0.02

5D186 — E 1/4 - 32 - 154 - 96
O.S. w/ 4 ELS (No. #) A.C. w/ 4x4 Board Post/Sign
V 0.08
H 0.10

A2437 — GPS 3-156-93
Reb. (153-96)
Diff
H = 0.07
V = 0.35

79

Rec Cor

Rec Cor.

Rec COR

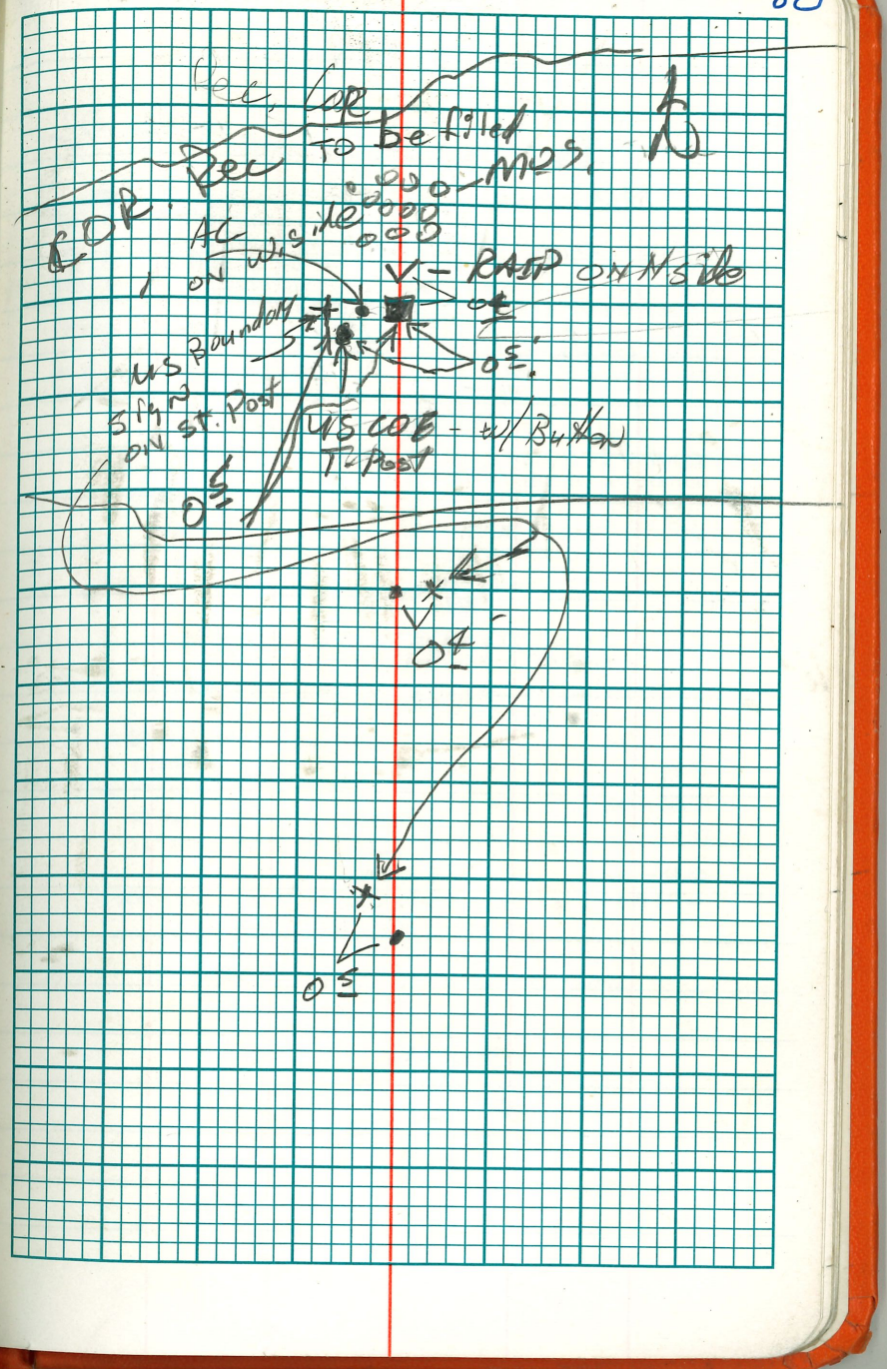
Rec. Cor.

A 2442 W1/4 3-153-96
H=0.07 O.S. w/3496 AC
V=~~0.30~~ 0.30

5D187 S1/4 33-154-96
H= 0.02 O.S. w/2439 AC
V= 0.05 MOS, N. Side

5D188 PCR 34-154-96
H 0.01 USCOE - T-Post w/Button
V 0.07 stamped Y10
Note: ON Side Slope
(S1/4-34) Ex. Orig. Stone believed
to have eroded out
M.O.S. also gone

5D189 PCR - 34-154-96 (@ W1/4-34
H 0.01 USCOE stamped Y12
V 0.02 T. Post w/Button



South 1/4 Sec. 35-154-96
Not Ed.
on Hillside

END week
9-25-19
mak

CURVE TABLES

81

HOW TO USE CURVE TABLES

Table I. contains Tangents and Externals to a 1° curve. Tan. and Ext. to any other radius may be found nearly enough, by dividing the Tan. or Ext. opposite the given Central Angle by the given degree of curve.

To find Deg. of Curve, having the Central Angle and Tangent: Divide Tan. opposite the given Central Angle by the given Tangent.

To find Deg. of Curve, having the Central Angle and External: Divide Ext. opposite the given Central Angle by the given External.

To find Nat. Tan. and Nat. Ex. Sec. for any angle by Table I.: Tan. or Ext. of twice the given angle divided by the radius of a 1° curve will be the Nat. Tan. or Nat. Ex. Sec.

EXAMPLE

Wanted a Curve with an Ext. of about 12 ft. Angle of Intersection or I. P. = 23° 20′ to the R. at Station 542+72.

Ext. in Tab. I opposite 23° 20′ = 120.87
120.87 ÷ 12 = 10.07. Say a 10° Curve.

Tan. in Tab. I opp. 23° 20′ = 1183.1
1183.1 ÷ 10 = 118.31.

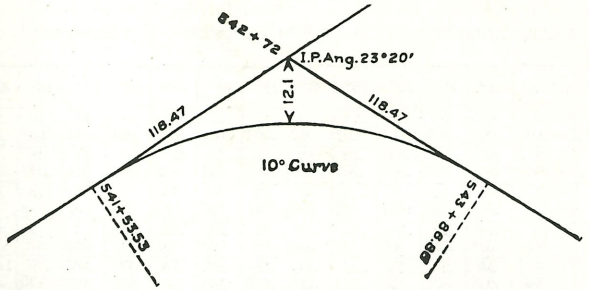
Correction for A. 23° 20′ for a 10° Cur. = 0.16
118.31 + 0.16 = 118.47 = corrected Tangent.

(If corrected Ext. is required find in same way)
Ang. 23° 20′ = 23.33° ÷ 10 = 2.3333 = L. C.

2° 19½′ = def. for sta.	542	I. P. = sta.	542+72
4° 49½′ = " " "	+50	Tan. =	1 .18.47
7° 19½′ = " " "	543	B. C. = sta.	541+53.53
9° 49½′ = " " "	+50	L. C. =	2 .33.33
11° 40′ = " " "	543+	E. C. = Sta.	543+86.86
	86.86		

100 − 53.53 = 46.47 × 3′ (def. for 1 ft. of 10° Cur.) = 139.41′ =
2° 19½′ = def. for sta. 542.

Def. for 50 ft. = 2° 30′ for a 10° Curve.
Def. for 36.86 ft. = 1° 50½′ for a 10° Curve.



Natural Trigonometrical Functions

Angle.	Sin.	Tan.	Sec.	Cosec.	Cotg.	Cosin.	Angle.
° ′							° ′
32	.5299	.6249	1.1792	1.887	1.600	.84805	58
10	.5324	.6289	1.1813	1.878	1.590	.84650	50
20	.5348	.6330	1.1835	1.870	1.580	.84495	40
30	.5373	.6371	1.1857	1.861	1.570	.84339	30
40	.5398	.6412	1.1879	1.853	1.560	.84182	20
50	.5422	.6453	1.1901	1.844	1.550	.84025	10
33	.5446	.6494	1.1924	1.836	1.540	.83867	57
10	.5471	.6536	1.1946	1.828	1.530	.83708	50
20	.5495	.6577	1.1969	1.820	1.520	.83549	40
30	.5519	.6619	1.1992	1.812	1.511	.83389	30
40	.5544	.6661	1.2015	1.804	1.501	.83228	20
50	.5568	.6703	1.2039	1.796	1.492	.83066	10
34	.5592	.6745	1.2062	1.788	1.483	.82904	56
10	.5616	.6787	1.2086	1.781	1.473	.82741	50
20	.5640	.6830	1.2110	1.773	1.464	.82577	40
30	.5664	.6873	1.2134	1.766	1.455	.82413	30
40	.5688	.6916	1.2158	1.758	1.446	.82248	20
50	.5712	.6959	1.2183	1.751	1.437	.82082	10
35	.5736	.7002	1.2208	1.743	1.428	.81915	55
10	.5760	.7046	1.2233	1.736	1.419	.81748	50
20	.5783	.7089	1.2258	1.729	1.411	.81580	40
30	.5807	.7133	1.2283	1.722	1.402	.81412	30
40	.5831	.7177	1.2309	1.715	1.393	.81242	20
50	.5854	.7221	1.2335	1.708	1.385	.81072	10
36	.5878	.7265	1.2361	1.701	1.376	.80902	54
10	.5901	.7310	1.2387	1.695	1.368	.80730	50
20	.5925	.7355	1.2413	1.688	1.360	.80558	40
30	.5948	.7400	1.2440	1.681	1.351	.80386	30
40	.5972	.7445	1.2466	1.675	1.343	.80212	20
50	.5995	.7490	1.2494	1.668	1.335	.80038	10
37	.6018	.7536	1.2521	1.662	1.327	.79864	53
10	.6041	.7581	1.2549	1.655	1.319	.79688	50
20	.6065	.7627	1.2577	1.649	1.311	.79512	40
30	.6088	.7673	1.2605	1.643	1.303	.79335	30
40	.6111	.7720	1.2633	1.636	1.295	.79158	20
50	.6134	.7766	1.2661	1.630	1.288	.78980	10
38	.6157	.7813	1.2690	1.624	1.280	.78801	52
10	.6180	.7860	1.2719	1.618	1.272	.78622	50
20	.6202	.7907	1.2748	1.612	1.265	.78442	40
30	.6225	.7954	1.2778	1.606	1.257	.78261	30
40	.6248	.8002	1.2808	1.601	1.250	.78079	20
50	.6271	.8050	1.2838	1.595	1.242	.77897	10

Cosin.	Cotg.	Cosec.	Sec.	Tan.	Sin.	Angle

N = 61.185
E 283.856

Angle.	Sin.	Tan.	Sec.	Cosec.	Cotg.	Cosin.	Angle.
° ′							° ′
39	.6293	.8098	1.2868	1.589	1.235	.77715	51
10	.6316	.8146	1.2898	1.583	1.228	.77531	50
20	.6338	.8195	1.2929	1.578	1.220	.77347	40
30	.6361	.8243	1.2959	1.572	1.213	.77162	30
40	.6383	.8292	1.2991	1.567	1.206	.76977	20
50	.6406	.8342	1.3022	1.561	1.199	.76791	10
40	.6428	.8391	1.3054	1.556	1.192	.76604	50
10	.6450	.8441	1.3086	1.550	1.185	.76417	50
20	.6472	.8491	1.3118	1.545	1.178	.76229	40
30	.6494	.8541	1.3151	1 540	1.171	.76041	30
40	.6517	.8591	1.3184	1.535	1.164	.75851	20
50	.6539	.8642	1.3217	1.529	1.157	.75661	10
41	.6561	.8693	1.3251	1.524	1.150	.75471	49
10	.6583	.8744	1.3284	1.519	1.144	.75280	50
20	.6604	.8796	1.3318	1.514	1.137	.75088	40
30	.6626	.8847	1.3352	1.509	1.130	.74896	30
40	.6648	.8899	1.3386	1.504	1.124	.74703	20
50	.6670	.8952	1.3421	1.499	1.117	.74509	10
42	.6691	.9004	1.3456	1.494	1.111	.74314	48
10	.6713	.9057	1.3492	1.490	1.104	.74120	50
20	.6734	.9110	1.3527	1.485	1.098	.73924	40
30	.6756	.9163	1.3563	1.480	1.091	.73728	30
40	.6777	.9217	1.3600	1.476	1.085	.73531	20
50	.6799	.9271	1.3636	1.471	1.079	.73333	10
43	.6820	.9325	1.3673	1.466	1.072	.73135	47
10	.6841	.9380	1.3711	1.462	1.066	.72937	50
20	.6862	.9435	1.3748	1.457	1.060	.72737	40
30	.6884	.9490	1.3786	1.453	1.054	.72537	30
40	.6905	.9545	1.3824	1.448	1.048	.72337	20
50	.6926	.9601	1.3863	1.444	1.042	.72136	10
44	.6947	.9657	1.3902	1.440	1.036	.71934	46
10	.6967	.9713	1.3941	1.435	1.030	.71732	50
20	.6988	.9770	1.3980	1.431	1.024	.71529	40
30	.7009	.9827	1.4020	1.427	1.018	.71325	30
40	.7030	.9884	1.4061	1.422	1.012	.71121	20
50	.7050	.9942	1.4101	1.418	1.006	.70916	10
	.7071	1.	1.414	1.414	1.	.70711	45

Cosin.	Cotg.	Cosec.	Sec.	Tan.	Sin.	Angle

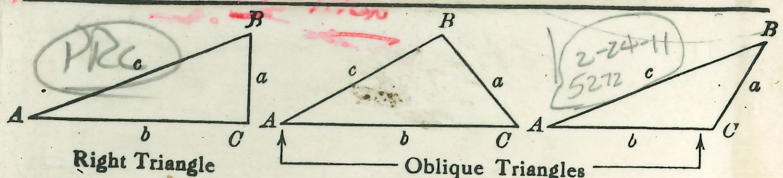
called Wesley Linduig 770-1152
gave verbal permission sec 19/30/32
8-19-19 153-100

called Mark 570-7915 9-10-19
asked permission - OK to walk
& drive Roads

Denise McLeish - 701-355-8741
6.0 on Rod 5.39
6.11 on 6.10
Jake Backowski 1-218-828-6330 cell 320-360-0157
John Schmitz 770-8445
Kent Latsch Wagner ND Game & Fish - 770-0918
Keys
Dale Behrend
Kris Anderson son-in-law, See 31-153-104
580-2395
continental gate @ Rd DT #500,001
padlock is 2016
Reshot Pt @ as 5011

KLJ
1463 I-94 Business Loop East
PO Box 290
Dickinson, ND 58602
701-483-1284 www.kljeng.com

TRIGONOMETRIC FORMULÆ



Right Triangle — Oblique Triangles

Solution of Right Triangles

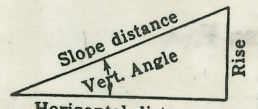
For Angle A. $\sin = \frac{a}{c}$, $\cos = \frac{b}{c}$, $\tan = \frac{a}{b}$, $\cot = \frac{b}{a}$, $\sec = \frac{c}{b}$, $\operatorname{cosec} = \frac{c}{a}$

Given	Required	
a, b	A, B, c	$\tan A = \frac{a}{b} = \cot B, c = \sqrt{a^2 + b^2} = a\sqrt{1 + \frac{b^2}{a^2}}$
a, c	A, B, b	$\sin A = \frac{a}{c} = \cos B, b = \sqrt{(c+a)(c-a)} = c\sqrt{1 - \frac{a^2}{c^2}}$
A, a	B, b, c	$B = 90° - A, b = a \cot A, c = \frac{a}{\sin A}$.
A, b	B, a, c	$B = 90° - A, a = b \tan A, c = \frac{b}{\cos A}$.
A, c	B, a, b	$B = 90° - A, a = c \sin A, b = c \cos A$,

Solution of Oblique Triangles

Given	Required	
A, B, a	b, c, C	$b = \frac{a \sin B}{\sin A}, C = 180° - (A + B), c = \frac{a \sin C}{\sin A}$
A, a, b	B, c, C	$\sin B = \frac{b \sin A}{a}, C = 180° - (A + B), c = \frac{a \sin C}{\sin A}$
a, b, C	A, B, c	$A + B = 180° - C, \tan \frac{1}{2}(A - B) = \frac{(a-b)\tan \frac{1}{2}(A+B)}{a+b}$, $c = \frac{a \sin C}{\sin A}$
a, b, c	A, B, C	$s = \frac{a+b+c}{2}, \sin \frac{1}{2}A = \sqrt{\frac{(s-b)(s-c)}{bc}}$, $\sin \frac{1}{2}B = \sqrt{\frac{(s-a)(s-c)}{ac}}, C = 180° - (A+B)$
a, b, c	Area	$s = \frac{a+b+c}{2}$, area $= \sqrt{s(s-a)(s-b)(s-c)}$
A, b, c	Area	area $= \frac{bc \sin A}{2}$
A, B, C, a	Area	area $= \frac{a^2 \sin B \sin C}{2 \sin A}$

REDUCTION TO HORIZONTAL

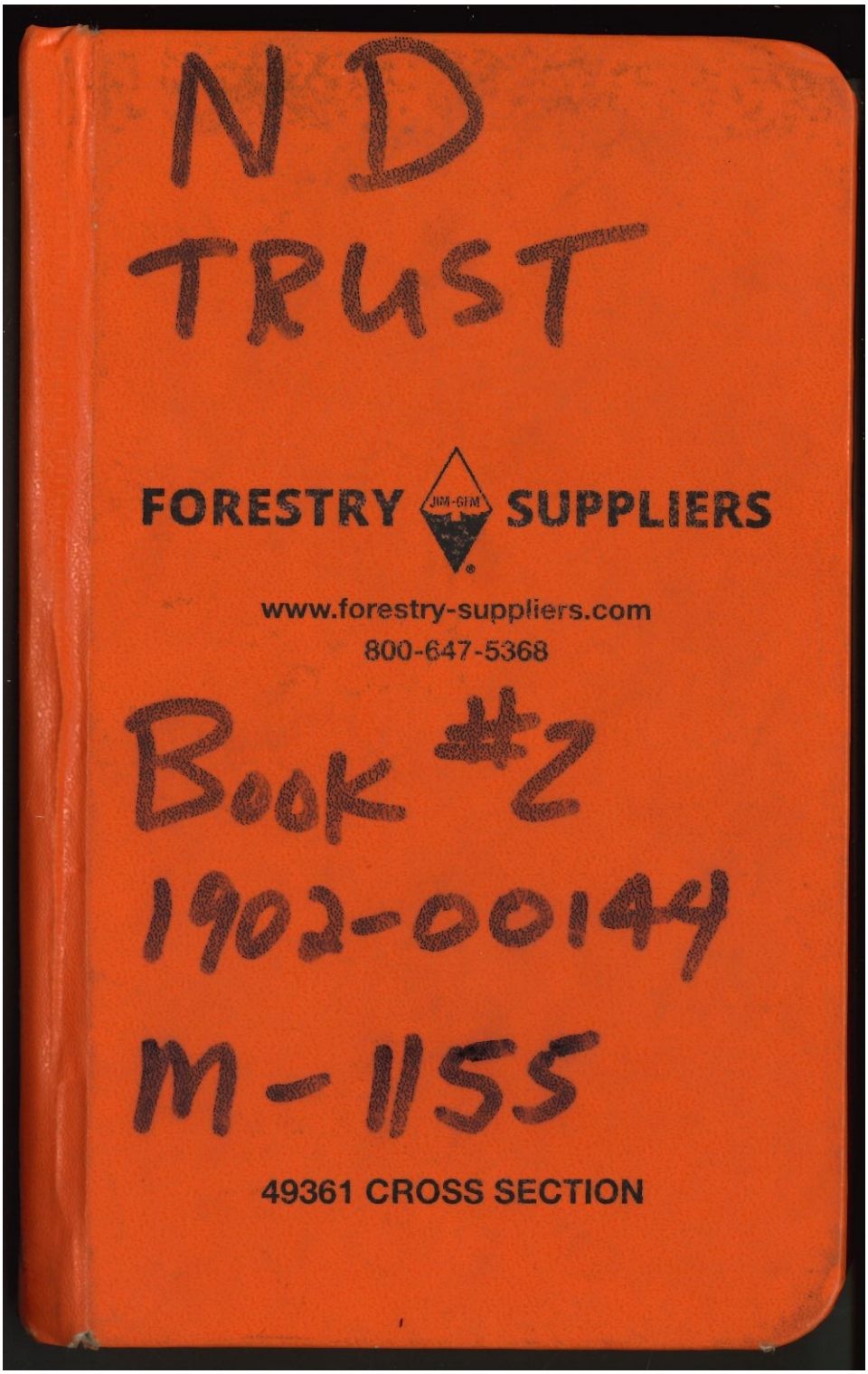


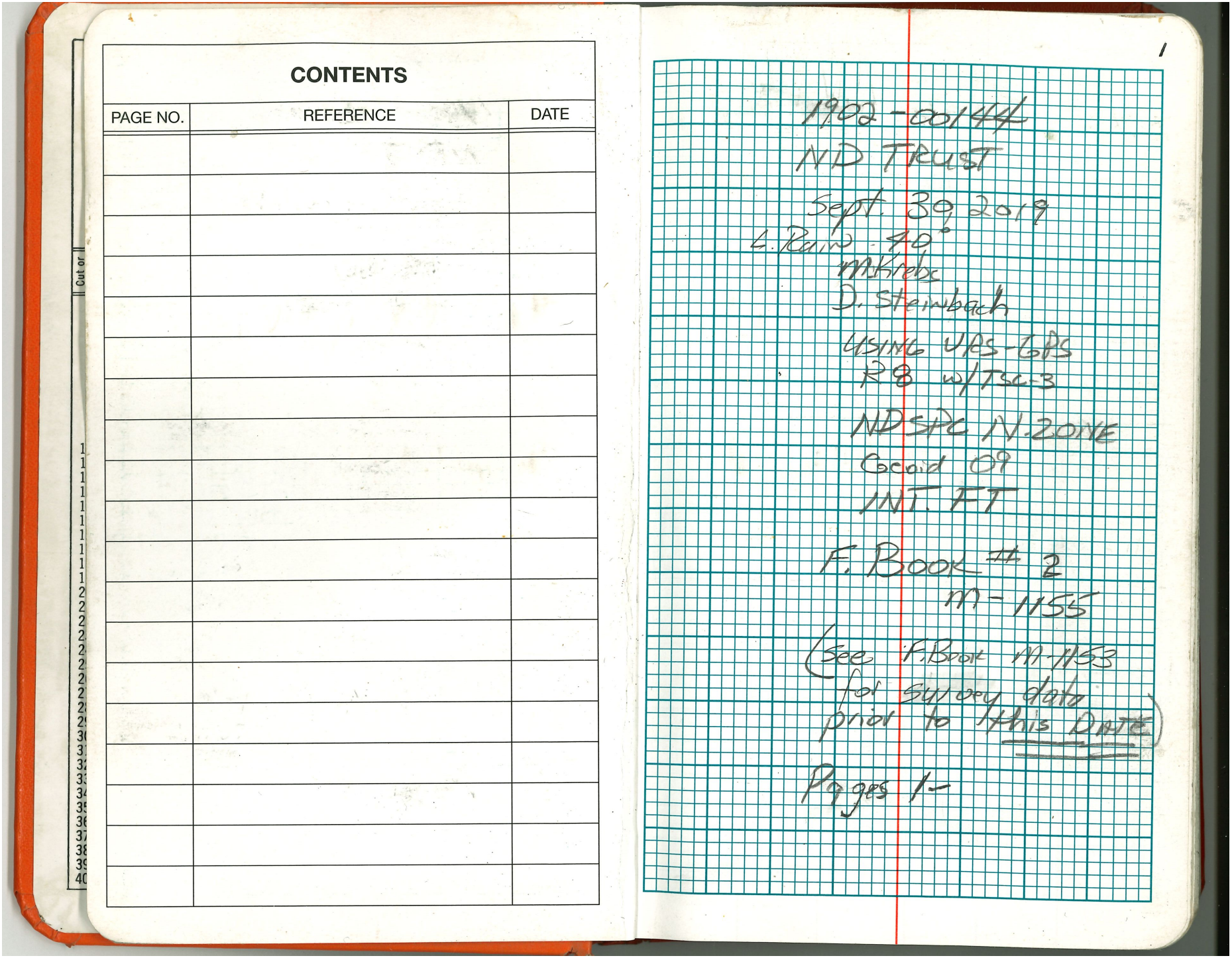
Horizontal distance = Slope distance multiplied by the cosine of the vertical angle. Thus: slope distance = 319.4 ft. Vert. angle = 5°10'. From the table, cos 5°10' = .9959. Horizontal distance = 319.4 X .9959 = 318.09 ft.

Horizontal distance also = Slope distance minus slope distance times (1—cosine of vertical angle). With the same figures as in the preceding example, the following result is obtained. Cosine 5°10' = .9959. 1—.9959 = .0041. 319.4 X .0041 = 1.31. 319.4—1.31 = 318.09 ft.

When the rise is known, the horizontal distance is approximately:—the slope distance less the square of the rise divided by twice the slope distance. Thus: rise = 14 ft., slope distance = 302.6 ft. Horizontal distance = $302.6 - \frac{14 \times 14}{2 \times 302.6} = 302.6 - 0.32 = 302.28$ ft.

MADE IN CHINA


ND
TRUST
FORESTRY SUPPLIERS
JIM-GEM
www.forestry-suppliers.com
800-647-5368
Book #2
1902-00144
M-1155
49361 CROSS SECTION

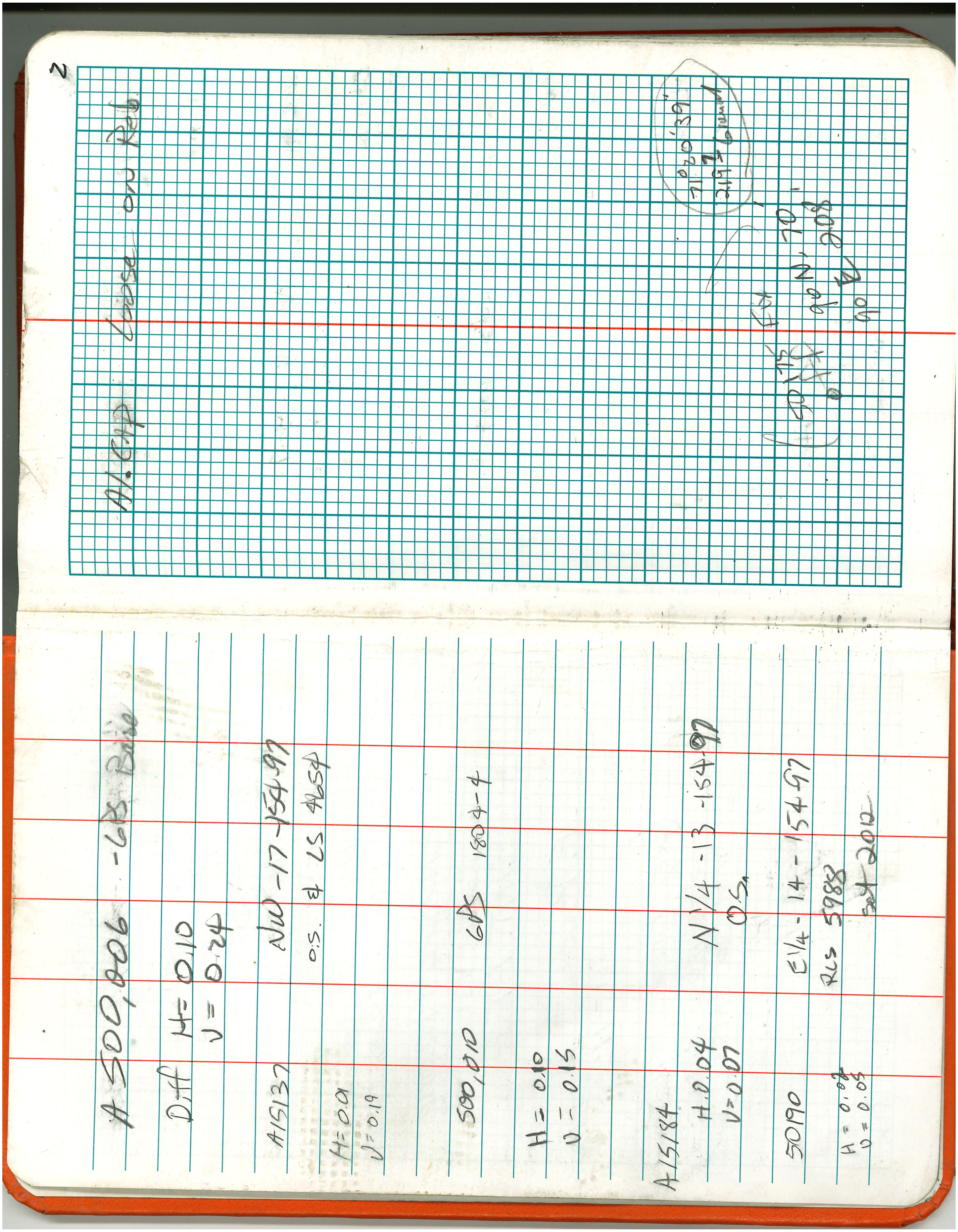


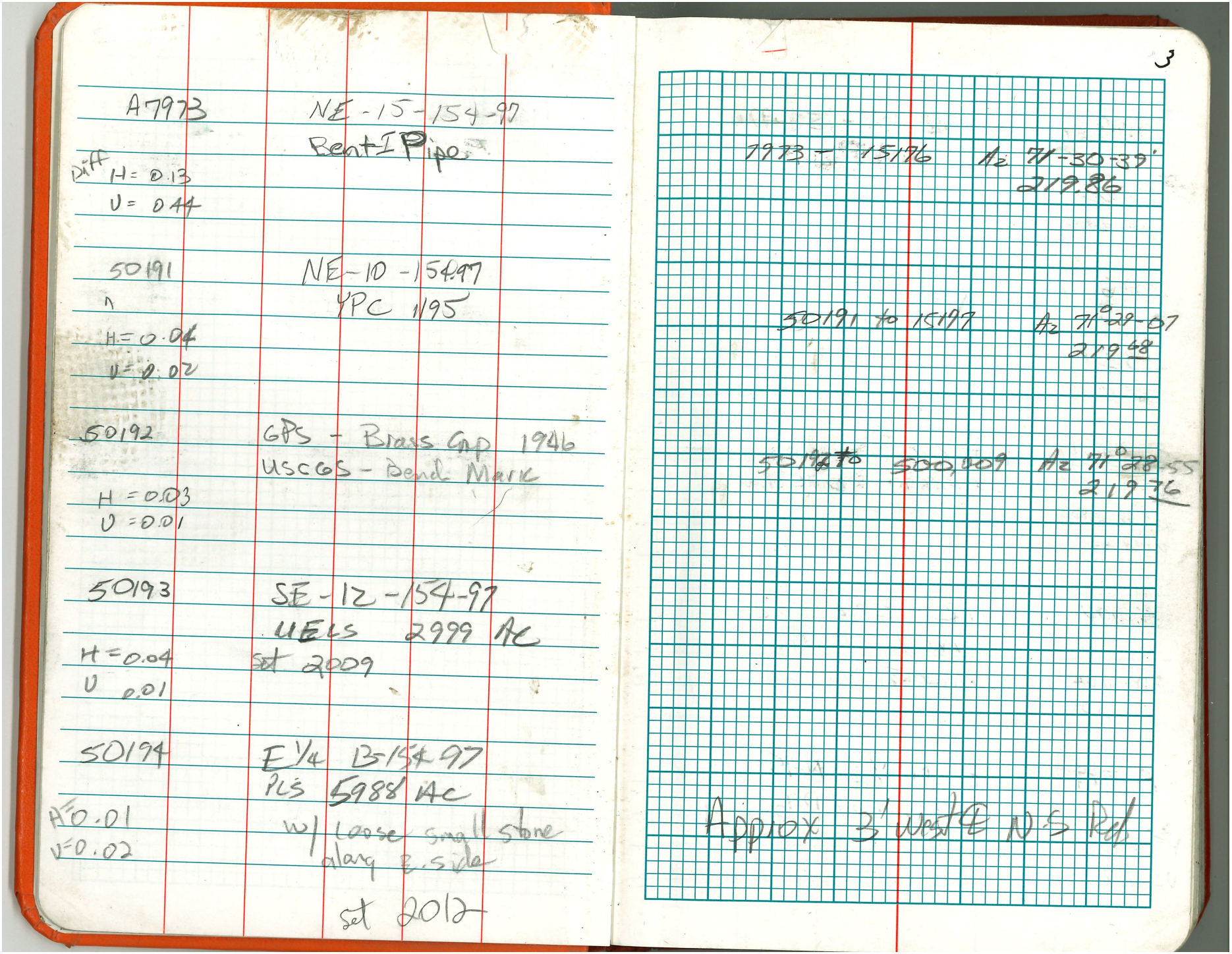
CONTENTS

PAGE NO.	REFERENCE	DATE

1

1902-00144
ND TRUST
Sept. 30 2019
L. Rain - 40°
MKrebs
D. Steinbach
USING UPS-GPS
R8 w/TSC-3
NDSPC N. ZONE
Geoid 09
INT. FT
F. BOOK # 2
M-1155
(See F. Book M-1153
for survey data
prior to this DATE)
Pages 1-


A 500,006 -GPS Base
Diff H = 0.10
V = 0.24
A15137 NW -17-154-97
O.S. & LS 4654
H=0.01
V=0.19
500,010 GPS 1804-4
H = 0.10
V = 0.15
A15184 N 1/4 -13 -154-97
H.0.04
V=0.07
O.S.
50190 E1/4 - 14 - 154 97
RLS 5988
H = 0.02
V = 0.05
set 2012
2
Al. Cap Loose on Reb
90 N, 70'
90 E 208'



A7973 NE-15-154-97
Bent IPipe
Diff H = 0.13
V = 0.44

50191 NE-10-154-97
YPC 1195
H = 0.04
V = 0.02

50192 GPS - Brass Cap 1946
USCGS - Bend Mark
H = 0.03
V = 0.01

50193 SE-12-154-97
UELS 2999 AC
set 2009
H = 0.04
V 0.01

50194 E1/4 B 154-97
PLS 5988 AC
w/ Loose small stone
along E. side
set 2012
H = 0.01
V = 0.02

3

1973 – 15196 Az 71-30-39
219.86

50191 to 15197 Az 71°29'07
219.48

50192 to 500,009 Az 71°28'55
219.76

Approx 3' West of N-S Fence

50195 WT COR - 13-154-97
LS 4597 OPC
H=0.02 200.23 FT
V=0.02

50196 WT COR 13-154-97
H=0.03 LS 4597 OPC
V=0.02 Assumed ON ℄ Line

50197 WT COR
LS 4597 OPE
H=0.02 912.55 FT - TO S
V=0.02 from COR. Rec. of

50198 PCR - T-PIN USCOE
IN ROAD
H=0.02 marking US Boundary
V=0.01

A 7974 N Y4 13-15-154-97
0.5 w/ Reb. N side
H=0.04
V=0.20

4

To SE Cor Sec 13
Rec. by LS 10497

50216 SE 13-154-97
Calc. COR.
from Ties PT # 50195 - 200.23
PT # 50197 912.55
Dist-Dist Intersect

LS 10497

COMC Post

ROAD

Rec

10-1-19
OVERCAST
35°-40°
M. Krebs
D. Steinbeck

Survey Cont

50199 SE-16-154-97
O.S. w/ USCOE T. Post
ON W. Side
Diff
H=0.03
V=0.03

50200 E 1/4 -16-154-97
O.S. w/ Reb.
Diff
H=0.04
V=0.01

50201 S 1/4-16-15497
O.S. w/ Pits & Mounds
Diff set 5/8"x24" w/ LS 3214 ntc Earth N. ON N. Side of Stone
H=0.03
V=0.04
Stone is deteriated
Top Broken off
Size matches type stone
is petrified
set 1x2 ON N&S side
of stone

5

Rec Cor

Rec. Cor

Need to File Cor. Rec

Filed Rec. Cor. 2018

A15185 SW 13-154-97
Reb
Diff H=0.06
V=0.13

50202 S 1/4-13-154-97
Diff H=0.04 LS 10497 w/conc Post
V=0.01 E Side.

50203 SE 18-154-96
Diff I.P.in - 3/4"±
H=0.01 w/ fiberglass marker post
V 0.05 on N side

~~502~~
50204 RP- Angle Drive 11° Rt
50205 RP - Nail in F. Post 12.5 ft.
50206 RP - spike in C. Pole 88.2 ft

50217 S 1/4 -18-154-96
calc. from ties &
Sec. Corner E & W.

6

Rec Cor.

Rec Cor.

Rec. Cor

± 1 ft. buried
Rec. Pole

N

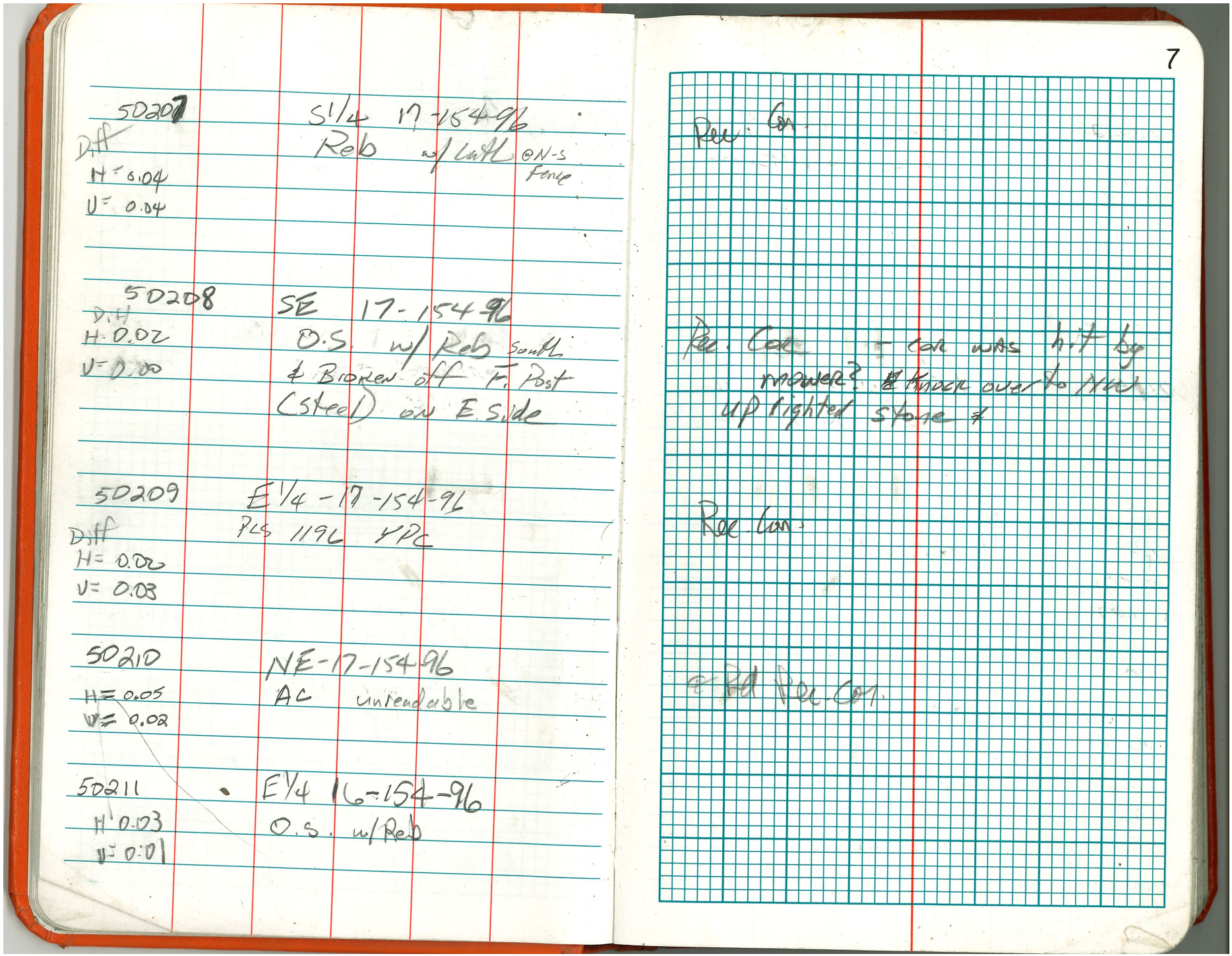
11°

Sec Corner Rec

Pool Tie - more than 1 mail in post
Approx. only.

(Note: 1318.96± Tie to West is good)

Corner Position on Steep
Lake Bank



50207 S1/4 17-154-96
Diff Reb w/ cutt @N-S Fence
H= 0.04
V= 0.04

50208 SE 17-154-96
D.H
H-0.02 O.S. w/ Reb South
V=0.00 & Broken off F. Post (Steel) on E. Side

50209 E1/4 - 17-154-96
Diff PLS 1196 YPC
H= 0.00
V= 0.03

50210 NE-17-154-96
H= 0.05 AC unreadable
V= 0.02

50211 E1/4 16-154-96
H 0.03 O.S. w/Reb
V= 0.01

7

Rec. Cor.

Rec. Cor. * cor was hit by mowers? & knock over to the upRighted stone #

Rec Cor.

& Rd Rec Cor.

5205B

8

Rec. Cor

Rec Cor = 2 ft Dwy
& Rd (E-W)

2 ft Dwy in & E-W Road

(Doesn't match #15161

5021S to 15161
Az 145° 08' 27" -
2.05')

5021S

H = 0.02
V = 0.01

C¼ Sec 16-154-96
T-Pin - USCOE

5021S

NE 16-154-96
½" Rob

5021S

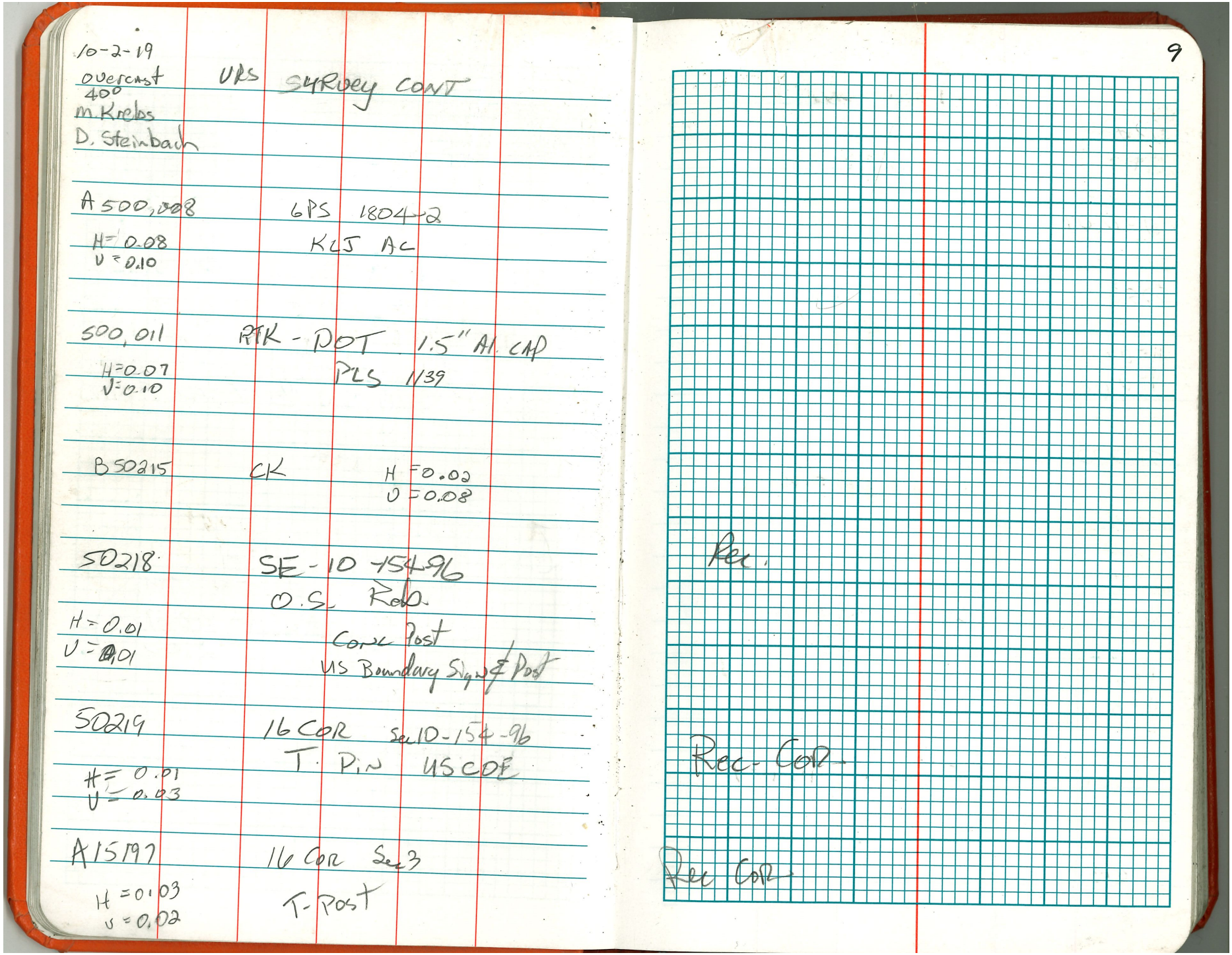
N¼ - 16-154-96
O.S. w/Rob or w.s.lg

H = 0.06
V = 0.07

5021S

SW Sec 3-154-96
No. 4 Rob

H = 0.03
V = 0.01



10-2-19
Overcast
40°
M. Krebs
D. Steinbach

URS Survey CONT

A 500,008
H= 0.08
V = 0.10

GPS 1804-2
KLJ AC

500,011
H=0.07
V=0.10

RTK - DOT 1.5" Al. CAP
PLS N39

B 50215

CK
H = 0.02
V = 0.08

50218

SE - 10 154 96
O.S. Rod.
Conc Post
US Boundary Sign & Post

H = 0.01
V = 0.01

50219

16 COR Sec 10-154-96
T. Pin US COR

H = 0.01
V = 0.03

A 15197

16 COR Sec 3
T-Post

H = 0.03
V = 0.02

9

Rec.

Rec. Cor.

Rec Cor.

50220
D; H
H = 0.01
V = 0.01

NE 10-154-96
LS 2884 AC

50221

W 1/4 12-154-96
0.5 w/ Reb.

H = 0.02
V = 0.02

50222

SW 12-154-96
USCOE T-P, W
in E N-S Rd.

H = 0.01
V = 0.02

50223

SE 12-154-96
Reb

H = 0.03
V = 0.01

50224

E 1/4 W 13-154-96
USCOE T-P, W

0.02
0.03

10

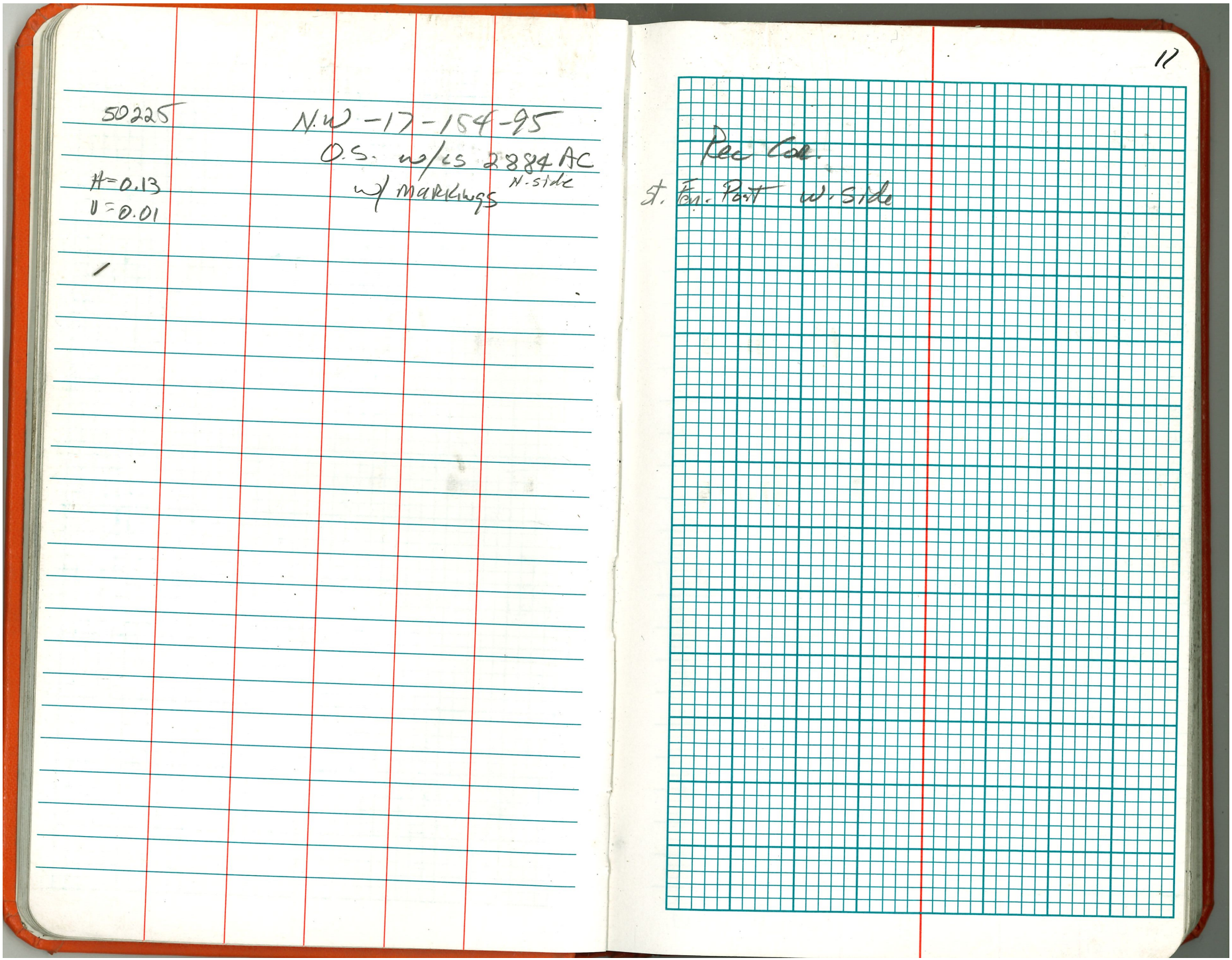
Rec Cor

Rec. Cor.

Rec. Cor

Rec. COR.

Rec COR.



50225

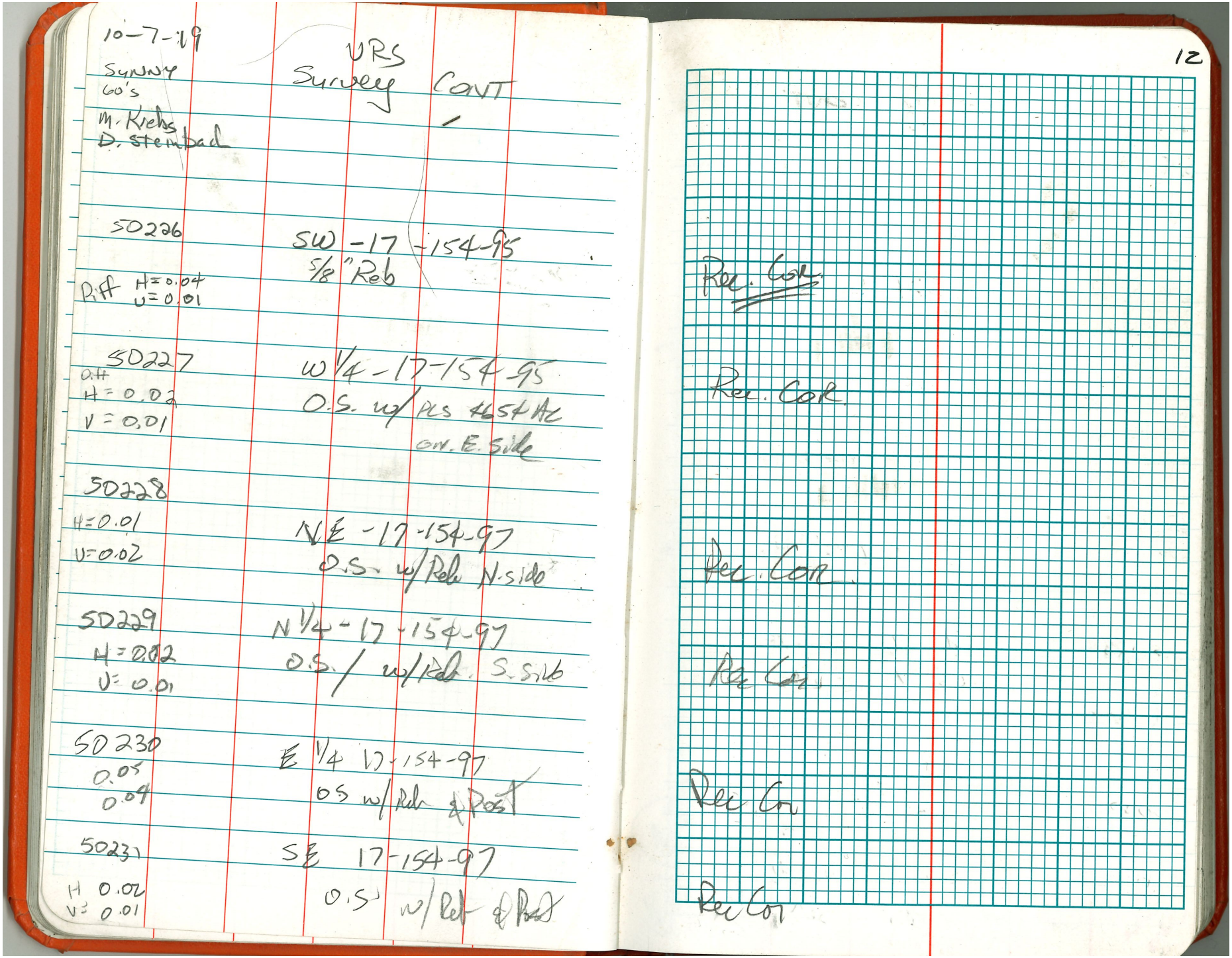
N.W -17-154-95
O.S. w/cs 2884 AC
N-side
w/ markings

A=0.13
U=0.01

/

11

Rec Cor.
St. Fen. Post w. Side



10-7-19
Sunny
60's
M. Krebs
D. Steinbach

URS
Survey CONT
-

50226
Diff H=0.04
V=0.01

SW-17-154-95
5/8" Reb

50227
Diff
H=0.02
V=0.01

W 1/4-17-154-95
O.S. w/ PLS 4654 AC
on E. Side

50228
H=0.01
V=0.02

NE-17-154-97
O.S. w/Reb N. side

50229
H=0.02
V=0.01

N 1/4-17-154-97
O.S. / w/Reb. S. side

50230
0.05
0.04

E 1/4 17-154-97
OS w/Reb & Post

50231
H 0.02
V= 0.01

SE 17-154-97
O.S. w/ Reb & Post

12

Rec. Cor

Rec. Cor

Rec. Cor

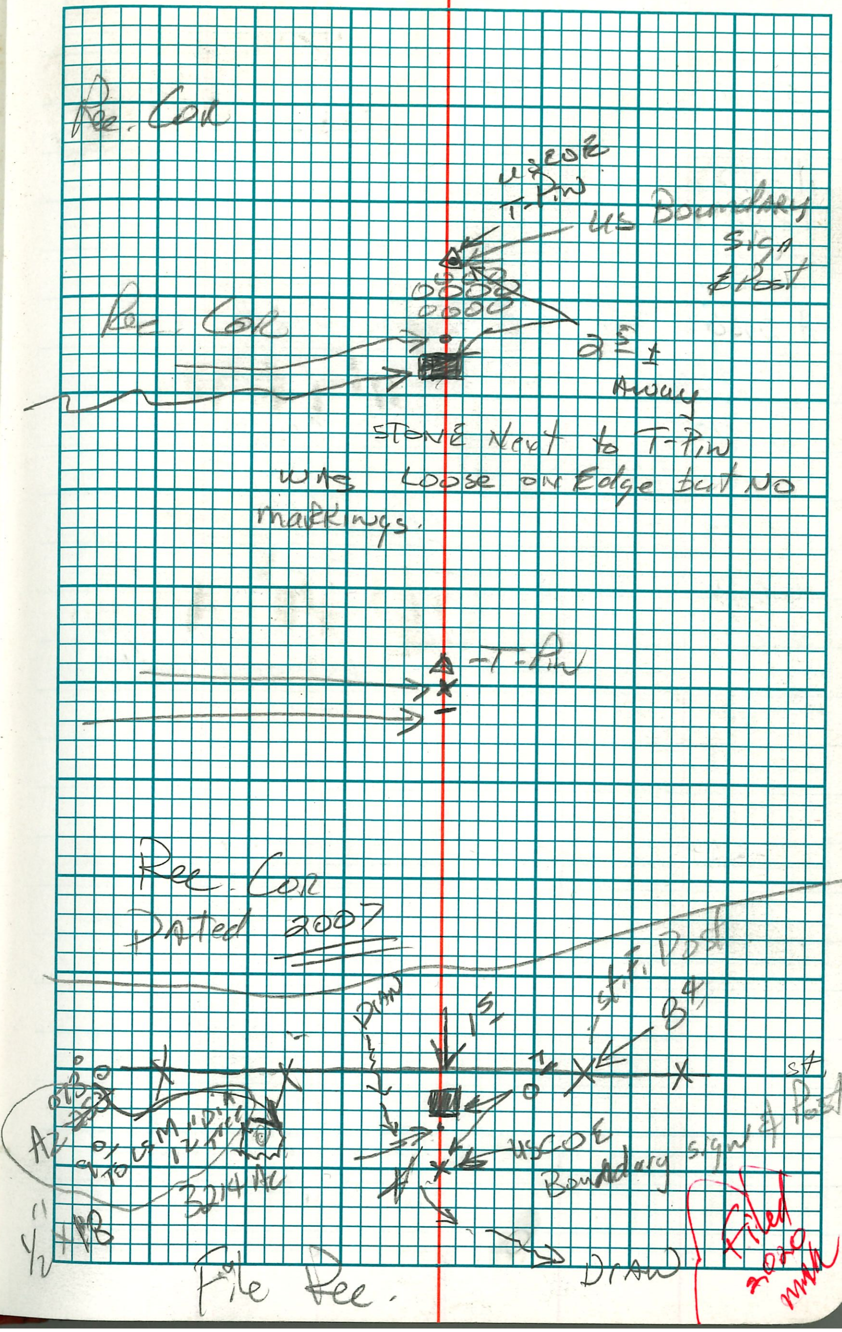
Rec Cor

Rec Cor

Rec Cor

A3370	SW - 15 - 154-95	
Diff H = 0.04 V = 0.67	Reb	
50232	S1/4 16-154-95	
H = 0.01 V = 0.01	O.S. w/ PLS 5771 OPC w/ 1/4 mark w/ MOS N. side	
50233	PCR - T-Pin USCOE	
Diff H = 0.03 V = 0.01	w/ US Boundary sign & Post & Fiberglass Survey Marker	
50234	E1/4 16-154-95	
H = 0.02 V = 0.06	PLS 4654 AC	
50235	S1/4 - 15 - 154-95	
H = 0.03 V = 0.01	O.S. w/ 1/4 mark clearly visible deep pit at W.? Set on S. Side	

13



50236 SE - 15-154-95
5/8" Reb

H = 0.02
V = 0.01

A 2960 E 1/4 15-154-95
H = 0.09 O.S. w/ Reb mo.5 (W.)
V = 0.08 ON W. SIDE

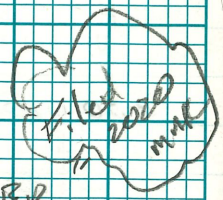
50237 PCR - USCOE
H 0.01 T-P.W
V = 0.01 w/ US Boundary Sign
on Steel Post

14

Rec. Cor.

Vertical

"Need to Record Corner



10-8-19
Sunny
70°

UPS Survey Cont.

M. Krahs
D. Steinbach

A 500,019 — GPS - Purple
Diff H = 0.06 — KLJ AC
V = 0.03

500,020 — CP Spk in Rock
Existing E-W Road
was Rebuilt

OR Pt #103 — GONE

A 147 — N 1/4 18-154-94
H = 0.102 — OS w/ Reb. N side
V = 0.23

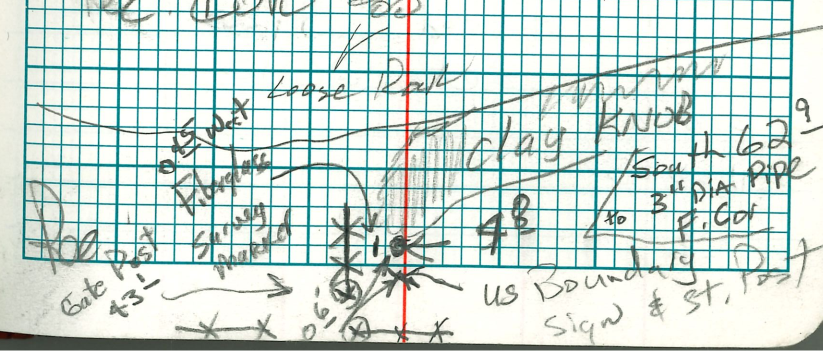
Rec. Cor.

50238 — NW - 13 - 154 - 95
H = 0.05 — O.S w/ 2884 He.
V = 0.03 — SAND STONE
deteriorated badly

on N Side
Rec Con

50239 — W 1/4 - 13 - 154 - 95
USCOE T-Pin w/ O.S Laying
alongside
See Next Page

Fld 2020



15

50240 PCR USCOE - T Pin
w/ Button Tag

H = 0.04
V = 0.01

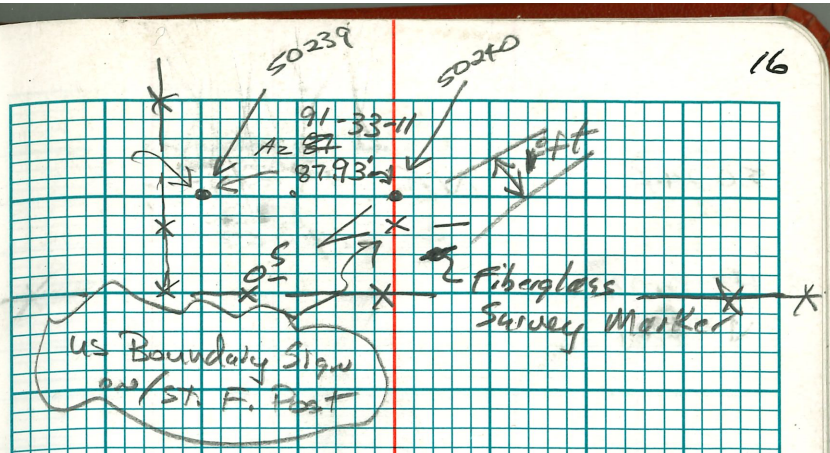
50241 PCR USCOE - T Pin
w/ Button Tag

H = 0.01
V = 0.01

50242 ~~WT COR~~ PCR USCOE
T-Pin
w/ Button

50243 WT COR
13-154-95
USCOE RC RLS 5988
150.00 ft N
Stamped B180
set 2010

H = 0.04
V = 0.03



16

50244 NE-13-154-95
O.S. w/Reb

H=0.02
V=0.01

A143 NE 19-154-94
O.S. w/Reb

H=0.06
V=0.32

~~50245~~

A102 NW-Sec 7-154-94
Reb. Bent

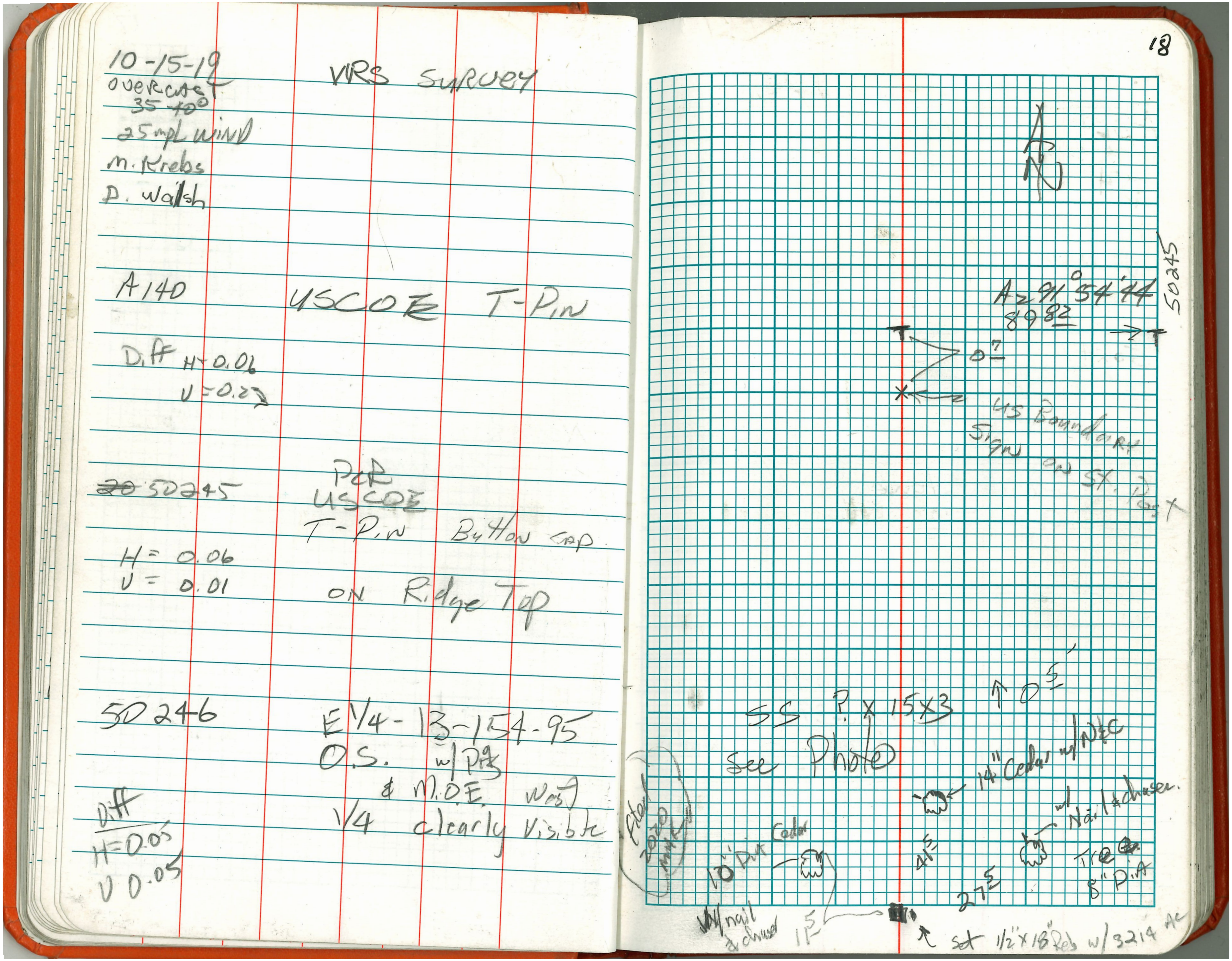
H=0.10
V=0.32

17

Rec. Cor.

Rec Cor (Same As Point 15288)

Note: #145 is Not the CORNER


10-15-19 VRS SURVEY
overcast 35-40°
25 mph wind
M. Krebs
D. Walsh

A140 USCOE T-Pin

Diff H=0.06
V=0.23

~~20~~ 5D245 PcR USCOE T-Pin Button cap

H= 0.06 ON Ridge Top
V= 0.01

5D246 E1/4-13-154-95
O.S. w/Pig
& M.O.E. was
1/4 clearly visible

Diff
H=0.05
V 0.05

18

5D245
Az 91°54'44"
89.82
0.7
US Boundary Sign on St. Post
SS P. x 15x3
See Photo
0.5
14" Cedar w/ N&C
w/ Nail & chaser
10" Dia Cedar
4.1
2.7
Tree 8" Dia
W/ nail & chaser 11.5
set 1/2"x18" Reb w/ 3214 AC

A106 US COE T-Pin w/

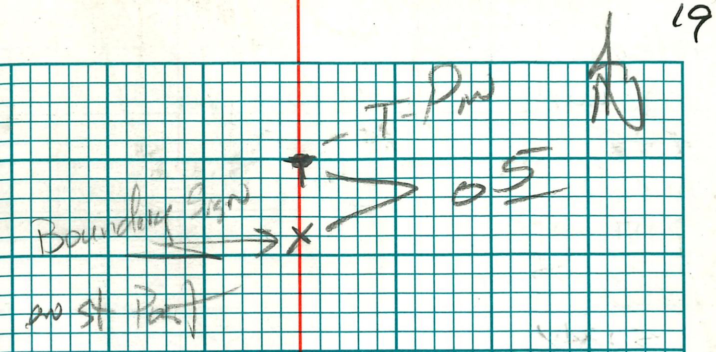
D.H.
H= 0.09
V= 0.02

50247 RP
Top Ridge.

Sand stone falling apart

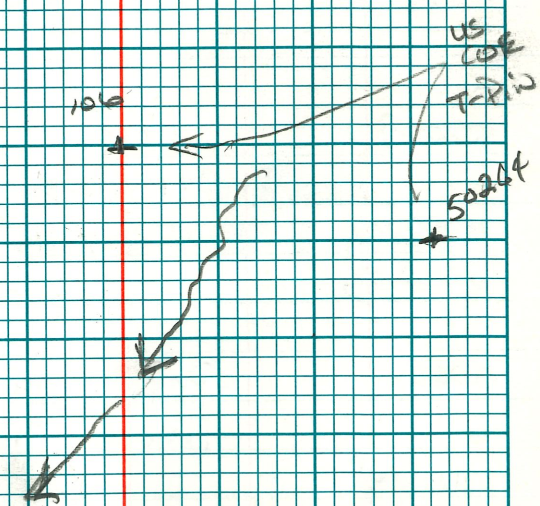
Looked for SW 18-154-94
Recorded Cor-Doc C3916
filed by LS-6704 sign 10-01-13

19



SE Sec. Cor Sec 13-154-95

All kinds of SANDSTONE
Caving ground & falling
down slope
This fits (± 10 ft)
from clay gully



10/24/19
M. Gurney
45°-50°
M. Kiebs
D. Steinbach

URS Survey Crew

50248

S½ 21-154-94
USCOE T-Pin

H=0.03
V=0.03

A 15287

E¼ 20-154-94
O.S. w/ 3541 YPC
w. side
of Stone

H=0.08
V=0.12

50249

PCR
USCOE T-Pin
w/ US Boundary Sign
on St. Post

H=0.02
V=0.03

50250

PCR 28-154-94
USCOE T-Pin
w/ US Boundary Sign/Post
1 ft South

H=0.0ft
V=0.0ft

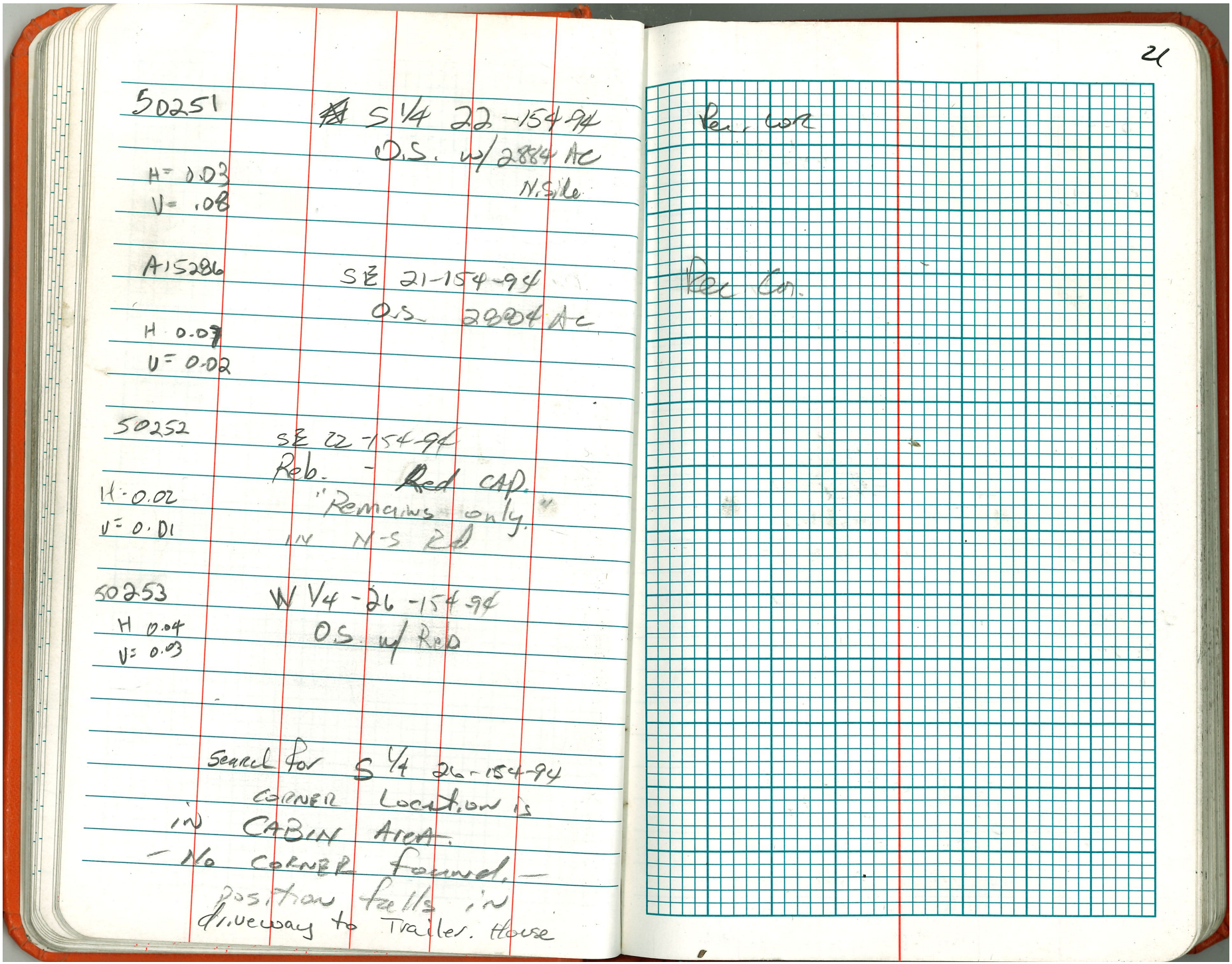
20

Extensive Search for S¼-13
T 154 N R 95 W Not Found

Poor Cond

Poor Cond

Pin Leaning to East
will Sliding



50251 S 1/4 22-154-94
O.S. w/ 2884 AC
N.Side
H = 0.03
V = .08

A15286 SE 21-154-94
O.S. 2884 AC
H 0.07
V = 0.02

50252 SE 22-154-94
Reb. - Red CAP.
"Remains only."
IN M-S 22

50253 W 1/4 - 26-154-94
H 0.04
V = 0.03
O.S. w/ Reb

Search for S 1/4 26-154-94
CORNER Location is
IN CABIN AREA.
- No CORNER found. -
position falls in
driveway to Trailer House

Rec. Cor

Rec Cor.

10/28/20
M. Sunny 30-40°
M. Krebs
D. Stenbud

VRS Survey cont.

50254 NE 24-154-94
Rec AC 1419?
CAP Rec # is only a guess
H=0.03
V=0.03

50255 E1/4 24-154-94
O.S. w/ 2884 AC on N side @ F. Cor.
H=0.03
V=0.01

50256 SE 24-154-94
O.S. w/ Rob on E. side
0.5↑ w/ markings
H=.08
V=.06

50257 E1/4 -25-154-94
orig. - M.O.S. - West
set 3214 AC

22

Not Readable - Rec.

Check for Rec. Cor. ½" Rob

Filed Rec. 2020 MMK

To be Filed Cor. Rec
Orig. Stone Not Fd - Pieces of Rob with M.O.'s
Wood Fd. on E. side of M.O.'s
" Set AC here.

Signs of old fence line
Small dia. Post laying on ground
W Line

Filed 2020 MMK

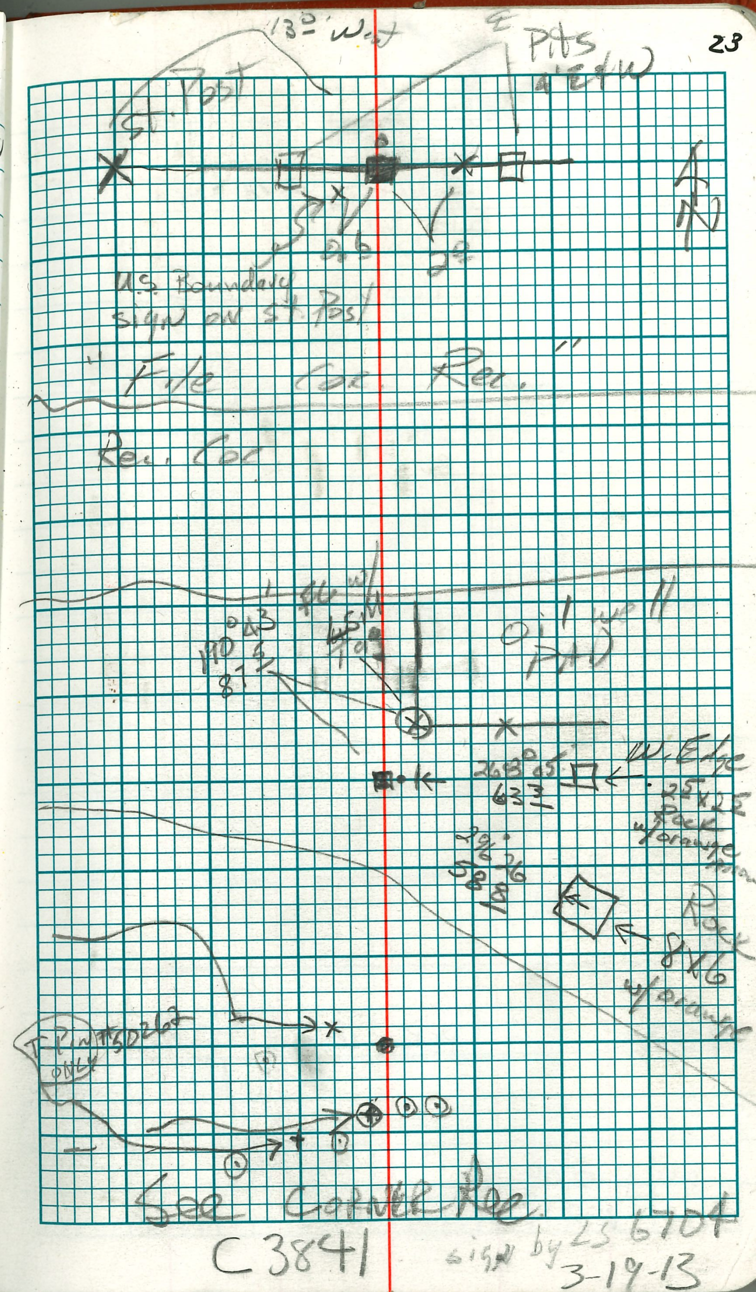
A 15291 N 1/4-36-154-94
O.S. w/ Reb 1/2" N side (E)
w/ 1/4 mark
H= 0.08
V= 0.09

50258 W 1/4 25-154-94
O.S. w/Reb / US Boundary sign/Post
H=0.03
V=0.04

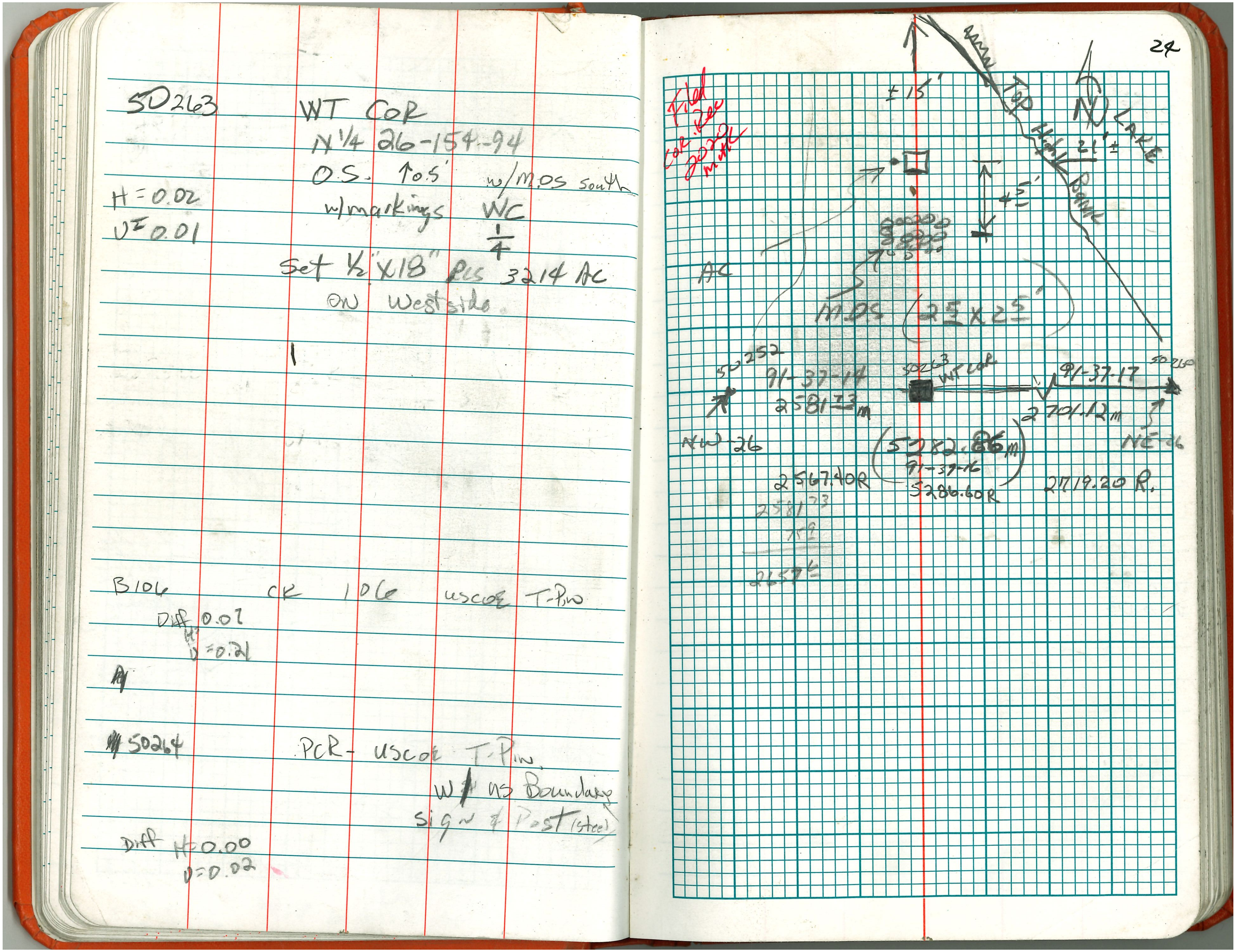
50259 N 1/4 25-154-94
Fd O.S. w/Reb on E SIDE
0.8' Faint Pits
H:0.01
V=0.02

50260
NW-25-154-94
USCOE - T Pin
w/ us Boundary Sign on st. F. Post
H= 0.05
V= 0.01

50261 PcR - 25-154-94
small nail in Bottle cap
H 0.02
V 0.03
Fd. 6 small nails w/ Bottle CAPS



Point
A 15291
50259
50261


SD263
WT COR
N 1/4 26-154-94
O.S. ↑0.5' w/M.O.S south
w/markings WC
1/4
H=0.02
V=0.01
Set 1/2"X18" PLS 3214 AC
ON Westside
B106 CK 106 USCOE T-Pin
Diff H=0.07
V=0.21
SD264 PCR- USCOE T-Pin
W/ US Boundary
Sign & Post (steel)
Diff H=0.00
V=0.02
24
Field Cor. Rec 2022 MAK
±15'
Top High Bank
N
LAKE
21'±
4'±
AC
M.O.S. (2'±X2'±)
SD252
91-37-14
2581.73 m
SD263
WT COR
91-37-17
SD260
2701.12 m
NW-26
NE-26
5282.86 m
91-37-16
2567.40 R
5286.60 R
2719.20 R.

10/23/19
P. Cloudy
30-40°
10-15 mph wind
M. Knebs
D. Steinbrook

Survey cont
T153N R93W Area

50265

NW 1/4 6-153-93
O.S. w/cs 6612 YPC

H=0.03
V=0.01

50266

PCR
USCOE T-PIN
w/ US Boundary Sign & Post

H=0.04
V=0.01

50267

PCR. same as above
USCOE T PIN

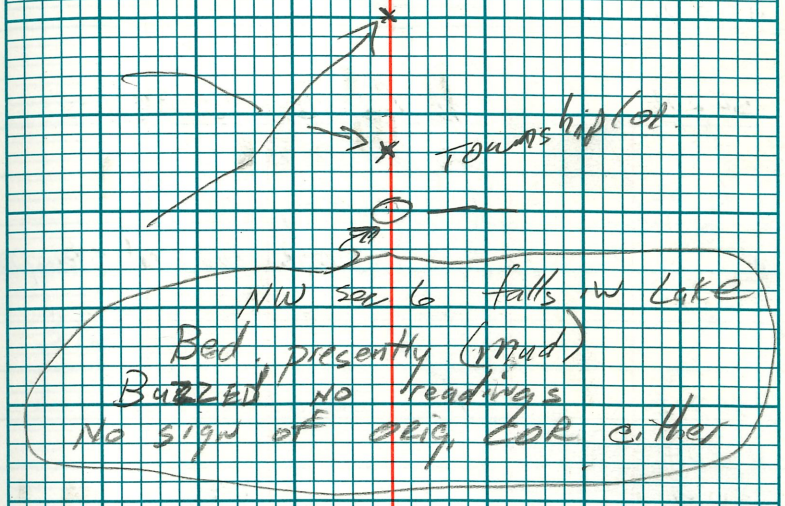
H=0.02
V=0.03

50268

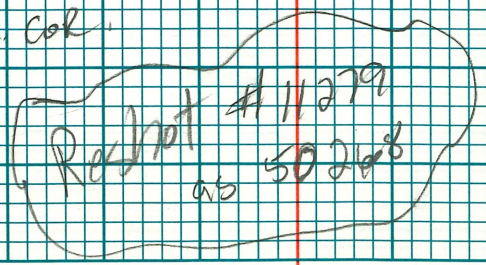
NE 6-153-93
O.S Highland 5711 AC

H=0.01
V=0.01

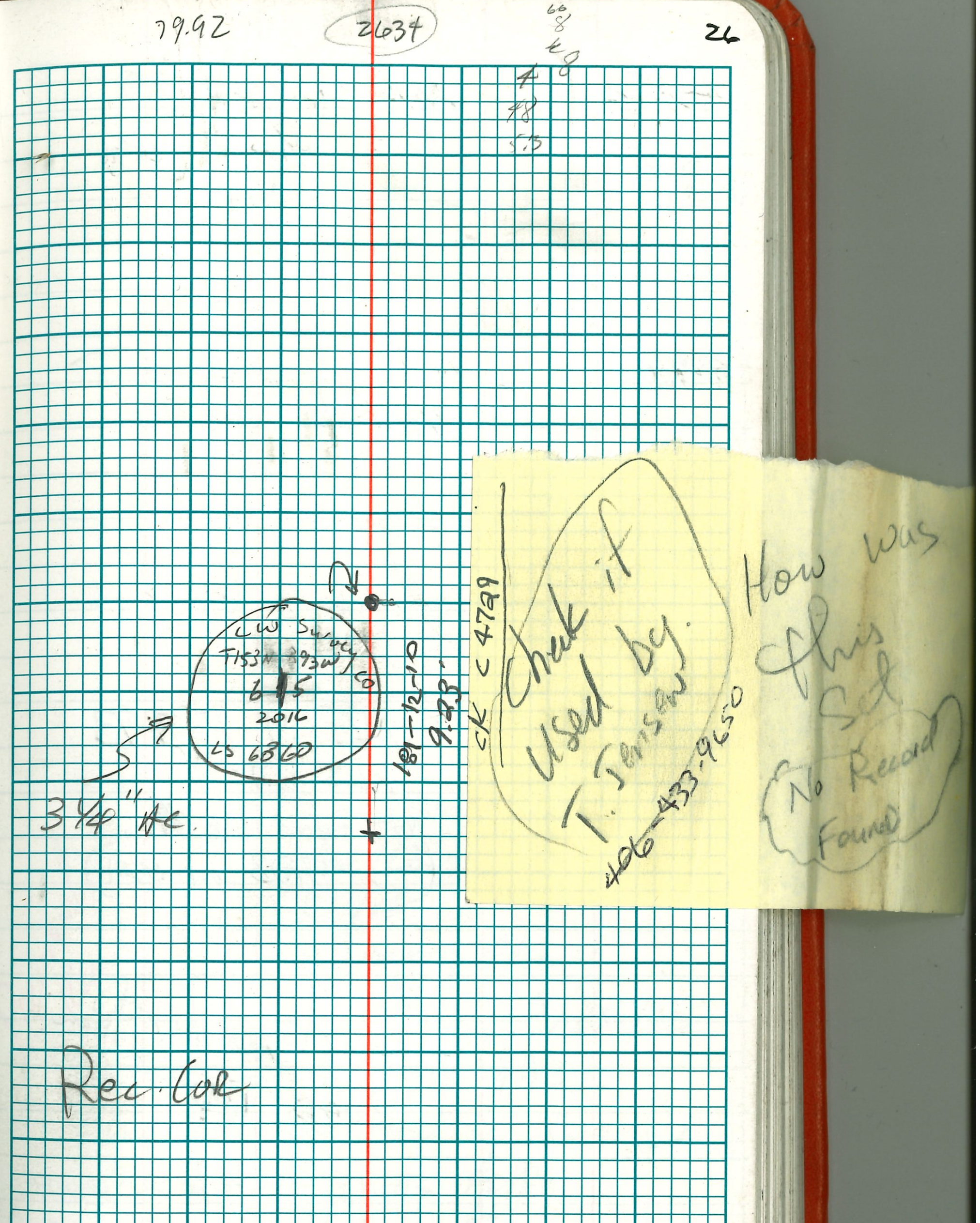
Rec. Cor.



Rec. Cor.



50269	PCR US COR	
	T-Pin. (only)	
	on E. line Sec 6	
H 0.04		
V= 0.01		
50270	PCR - USCOE	
	T-Pin only	
	on E. Line Sec 6	
H= 0.01		
N= 0.01		
50271	E1/4 6-153-93	
	LS 6860 AC	
H=0.02	(possibly 6060)	
V=0.03	8 was doubled stamped	
50272	PCR - LS 6860 YPC	
H=0.04	?	
V=0.01	A TIE.	
50273	C1/4 Sec 5-153-93	
H= 0.02	PLS 4654	2½" AC
V= 0.03		



A5883 NW-9-153-93

H=0.09
V=0.19 O.S w/5771 AC

A5899 N 1/4-9-153-93
5/8" Reb in ℄

H-0.03
V=0.41

H=0.14 NE 9-153-93
V=1.14 Fill KLJ AC
Not Readable No.
(LS 7103 on LSM)

CAP is 0.4 lower than
ROAD TOP.

ORIG STONE shot in 2009
was Removed by ROAD CONST
No STONE Found today

27

Rec Cor.

LSM Tag on Post,
N26-42-16E 45±
by T.O / ve
└ Thomas Olsen?

Previously Rec.

Say Fd STONE (?) 5/30/12
Raise to Surface w/AC
Checked Surrounding Ground
FO N ±5 FO S Avg FO ±

10/29/19 URS Survey Cont

Snow flurries, 20°
Windy 25-30 mph
M. Krebs
D. Steinbach

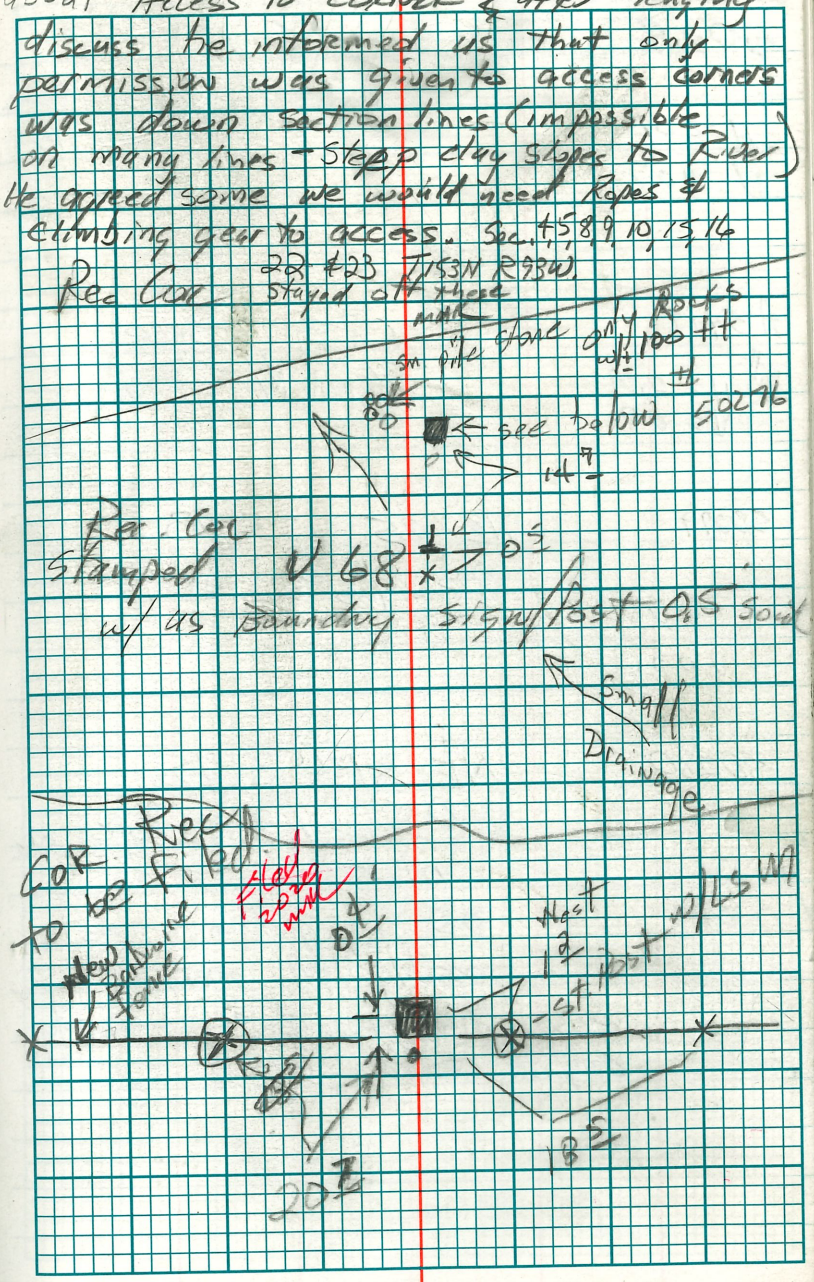
50274 NE 26-153-93
½" Reb w/Fence Post
Diff H 0.02
V=0.01

50275 SE 26-153-93
T-Pin USCOE
H=0.02
V=0.01

50276 RP, Granite Stone post
Small MARK
w/ M.O.S. NW — ON E. side
Type/size of STONE S. side 2
matches calls See Page 65 5.16.20 MAK

50277 S1/4 25-153-93
0.5. w/ ½"x18" Reb
w/ 3214 AL
set ON S-side
¼ mark clearly
H 0.03
0.01

Talked to Arthur Langved (701-627-4877) 28
about Access to CORNER & after lengthy
discuss he informed us that only
permission was given to access corners
was down section lines (impossible
on many lines - steep clay slopes to River
He agreed some we would need Ropes &
climbing gear to access. Sec. 4, 5, 8, 9, 10, 15, 16
22 & 23 T153N R93W)
Rec Cor stayed on these
mark



50278

SE-25-153-93
O.S. w/ 5771 RCS OPC ONE Side

H=0.01
V. 0.02

A5418

GPS Base
5/8" Reb W/ F. Post

with
H = 0.09
V = 0.01

50279

NE-25-153-93
O.S w/ 3681 ~~ALL~~ YPC

H=0.03
V 0.01

50280

NE-31-153-92
O.S. w/ 3571 OPC on S. side
MOS. West
O.S. laying down to west
possibly fell over or
was sticking up & somebody
layed it down

H
0.01
V 0.01

29

Rec. Cor.

Estimated
within ± 1 ft of
orig Position

OPC

50281 E1/4 - 31 - 153 - 92

3541 OPC w/3496 AC ON N.side above OPC

H = 0.01
V = 0.03

M.O.S. westside

- STONES ON Each side of CAPS USCOE Boundary Post (steel) ON S. side of OPC
- USCOE Fiberglass Post ON N. side of 3496 AC @ F.Cor.

Cor

- No 1/4 mark on stones was found.

50282 N1/4 - 31 - 153 - 92

O.S. w/visible P.t.W. & possible pit E.

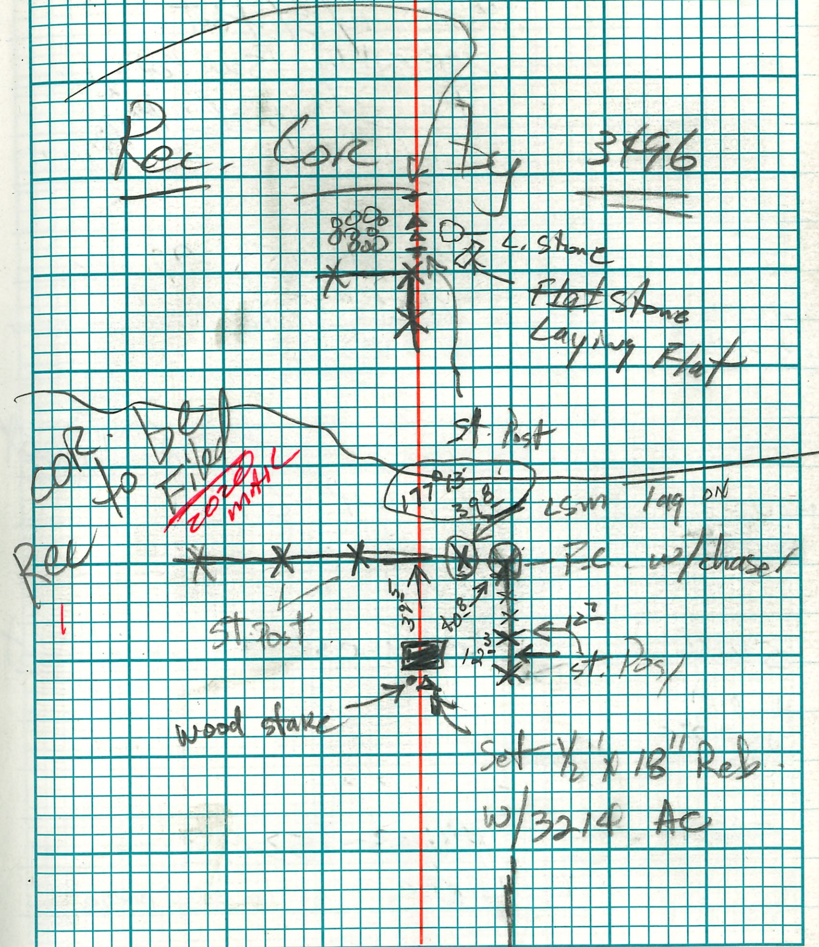
H = 0.01
V = 0.01

Remains ± 1" Dia wood stake along S. Side of stone. Stone WAS buried 3" below surface. Size of stone was 10"x6" Markings?

50283 H 0.01 V 0.01 W1/4 - 25 = 153 - 93
uHeig 1389 OPC

30

3541 OPC ON 5/8" Reb. This cap was here 1st according to weathered Reb. and Depth of CAP @ surface



10-30-19
cold, 20's sunny
M. Kirby
D. Steinbach

50284

H:0.02
V:0.01

50285

50286

H0.01
V 0.01

50287

H-0.03
V:0.00

50288

H 0.01
V 0.02

50289

H0.01
V0.01

URS Survey cont

31
W1/4 - 31 -153-92
O.S. w/ cs 3541 OPC

PCR - 5/8" Reb
w/ st. Post
possibly SW cor
of Occupied Prop.
House

SW-31-153-92
YPC - unReadable

PCR - USCOE T-Pin w/st-Post
on TWP Line?

PCR USCOE T-Pin w/st-Post

NW-3-152-93
O.S w/markings
& Pits w/5771 OPC

31

Rec Cor
of MS Tract Inc

shown on oil Plats

S1/4 31 Falls not up graded
Road NO Rec. of Corner @
Courthouse or on oil well Plats.

34

well defined

Pits

NOTE: SW4 Sec 36-153-93 Tried to looked for but falls in Lake by ±200ft. No Rec of COR on any oil plat either.

50290 NE 3-152-93
PLS 5771 OPC
H = 0.01
V = 0.00

~~A 5573~~
~~50291~~ NE 1-152-93
H = 0.09
V = 0.02 USCOE T. P.W.
w/ CONC. marker
& Fiberglass Survey MARKER

50291 ~~USC~~ RR : USCOE PT #V46
LS 6615 YPC
H = 0.01 w/ USCOE Fiberglass MARKER
V = 0.01 on E. Side

~~50292~~ NE 32-153-92
H = 0.01 O.S w/ 5771 OPC
V 0.02 w/ MOS Wood & USCOE steel post sign

SE-32-153-92
Looked for Rec. Cor by LS 5771
(C 2138) falls in Lake by
± 200' Survey done by J. GLASSER
LS 5771 on 3-5-08

Rec. Cor. in Rd

Rec. Cor.

Assumed Reset after ROAD Reconstruct.

Rec Cor

This Area is only under water in high water. Need to check w/ Highlands.

He says he found Orig. Stone

USCOE

50293 PCR - T-PIN in 32-153-92

H = 0.02
V = 0.01

50294 PCR USCOE T-PIN w/conc marker (4"x4"x3' alongside

H = 0.02
V = 0.00

— E 1/4 - 32 - 153-92 LOOKED for Falls in LAKE

— S

33

11-5-19
P. Cloudy 20°-30°
M. Krebs
D. Steinbach

Survey CONT

50295 — PCR - S 1/4 ? 36-154-93
Fd Utility 3789 Ac
H=0.02 V=0.02 in & Rd
w/Ribbon on E. Post
to South.
possibly 1/4 Cor.

A 3127 — CK-3127 SW 6-152-92

50296 — E 1/4 - 1-153-93
H=0.02 V=0.01 O.S. w/Pile
3541 YPC on W. side
w/USCOE Sign & Post

50297 — S 1/4 - 1-153-93
H=0.01 V=0.01 I. Pipe ± 1" Dia w/Pits
w/USCOE Sign & Post

50298 — PCR - Iron Pipe
H=0.04 V=0.04 USCOE

50299 — PCR - PLS 2883 Ac
H=0.04 V=0.05 USCOE - prop.

Check w/ Surveyor PLS 3789

Fd Rob.
Rec Cor D.A.P. H=0.07 V=0.30
Rec. Cor.

Rec. Cor.

Prop. Cor. ?

50300 PCR - PLS 1241 YPC
w/ USCOE MARKER & Post

50301
Diff H0.01 00.02

50302 PCR - PLS 2883 AG
w/USCOE MARKER Post
H = 0.01
V = 0.02

50303 PCR - PLS 1241 YPC
H = 0.01
V = 0.02

50304 PCR - Reb
Possibly w 1/4 - Sec 12
H = 0.05
V = 0.04

50305 PCR - Iron Pipe w/ ribbon
east of NW-13
H = 0.01
V = 0.00

SW Cor Sec 1 - 154-93
location Falls ±55' into
Lake - Recorded by LS 5791
water level is too high. Today

Search for any accessories
None found.
Rec-Cor.
New House - Cor Near Patio.
± 10-ft away
Orange chaser next to Reb.
Sewer was dug in 1 1/4 to North.
Accepted Rel is Cor.

S 1/4 - Sec 11-152-93 - searched falls along shoreline Nothing found.

50306 NW Sec 13-152-93
GLO - BC
HF 0.01 w/ Ribbon
V=0.01

50307 PCR - Tel. Ped.
GLO BC was hit & destroyed by contractor installing Telephone Ped. according to Homeowner he says he has remains of monument in his garage Tel. Ped was installed at location
- this matches previous mens. by other surveyors

50308 PCR - T-Pin
stamped U 43
USCOE
Assumed C 1/4 - Sec 1-152-93

36

Rec. Cor

Previously Rec. Cor.

USCOE Boundary Sign Post

11-6-19
10°-20° sunny
M. Krebs
D. Steinbach

URS Survey Cont
Southside of Lake
T154N R95W

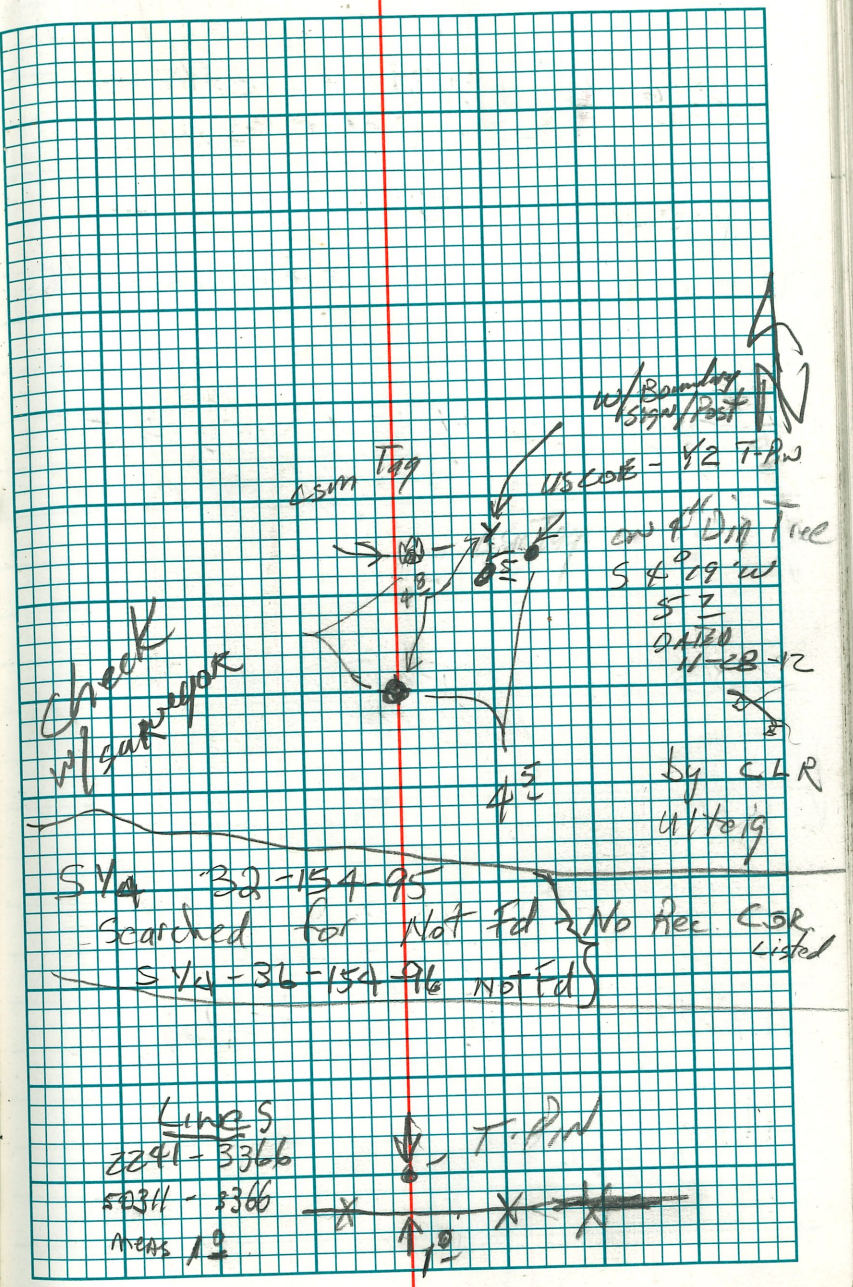
50309 PCR - USCOE T-Pin
w/ Boundary Sign / Post

50310 PCR - USCOE T-Pin
Stamped 4-2

50311 SW-36-154-96
PLS 4654 AC (2½")
H 0.02
V 0.01

Control PT # 2017 - Destroyed
Rebar was laying on Ground

50312 PCR - T-Pin
w/ USCOE 13" Sign & Post
H=0.04
V=0.02



3366 NW-6-153-95
BLM 1984 AC
w/collar of stone
3'Dir
H=0.05
V=0.07

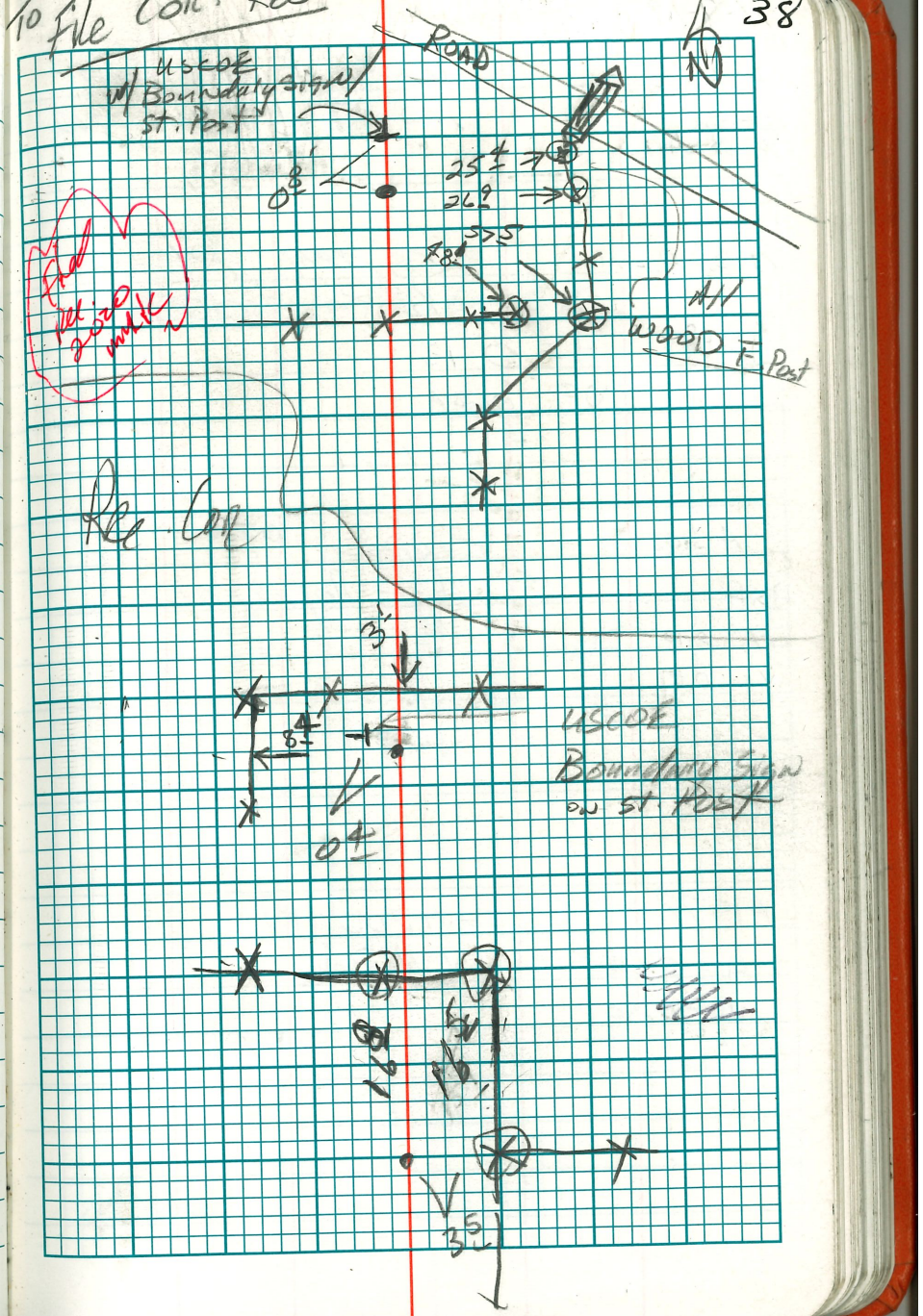
A2026 N½-6-153-95
OS. w/3592 AC
H 0.08
V=59.4

5013 PCR-
USCOE-
stamped X 17
H 0.01
V=0.04

A4009 P16 COR-
USCOE - T-PIN
No Tag.
H=0.02
V 0.036

To File Cor. Rec

38



North Dakota Board of University and School Lands

11-7-19
M. clear
20°-30°
WIND - 10mph
M. Krebs
D. Steinbeck

UAS Survey Cont
in T154N R95W

A 500,014 — Control PT - CR
½" Reb - GPS PT

Diff H = 0.13
V = 0.27

A 2085 — Control PT
5/8" Reb - Proj. 8707203

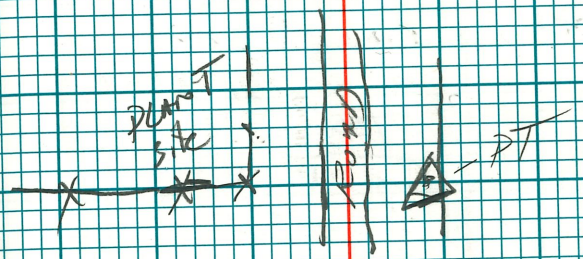
Diff
H = 0.10
V = 0.67

A1578 — Control PT
½" Reb FD

H = 0.04
V = 0.30

39

- Appears to be OK.



600,001 BORE : N. Charlson
VERTICAL TEST
Bore
meet Jason Harrington
onsite

Shot Flag (Yellow)

A600,001 VERIFIED shot

See. Photos
1- Looking North
2 " 90 East
3 " South
4 " West

40

11-7-19
10:30 AM MST Today

(Hess) For Blasting Testing

A 2090

N 1/4 - 4 - 153-95

0.14 USCOE - T PIN

0.22 w/COE - St. Post

A 4115 PCR USCOE T-Pin

Diff

H=0.19

V=0.026

A 3407 PCR USCOE T-Pin

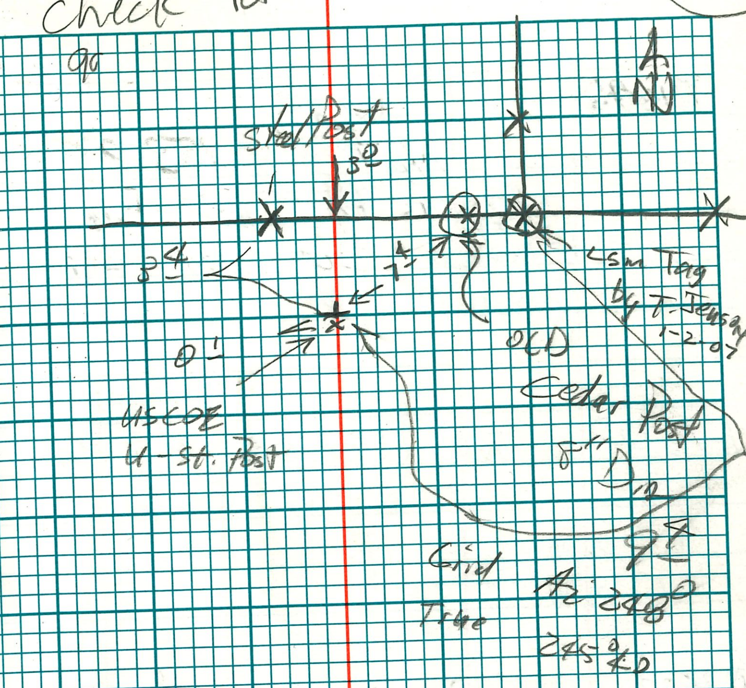
stamped X-10

H= 0.09

V= 0.01

41

check for

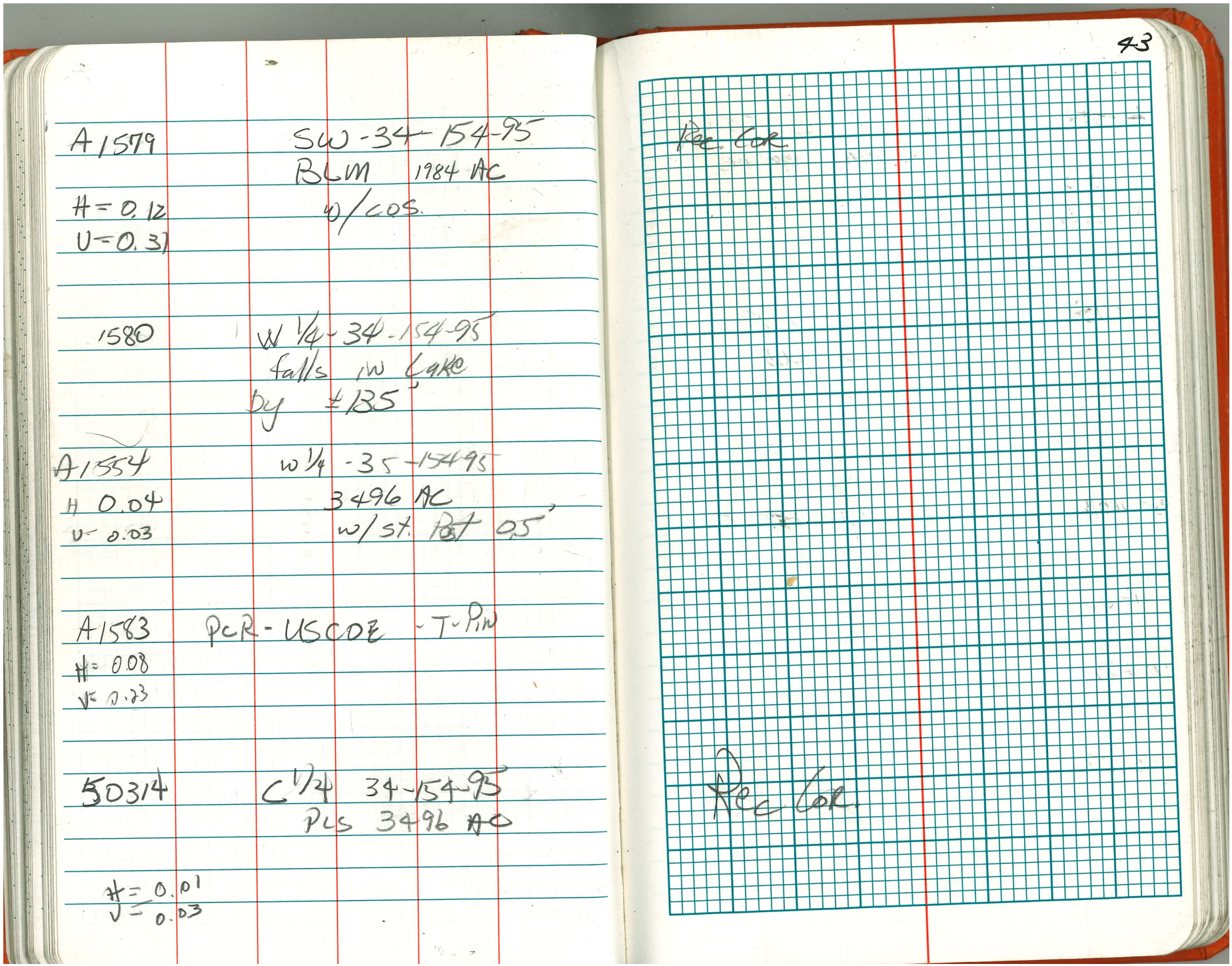


A1558 USCOE Pin
NoT Found
Appears to have been
removed by well Pad
CONST. - on Back Slope

A1560 PCR- USCOE -T-Pin
@ E-W Fence
H = 0.05
V = 0.24

A1577 PCR -USCOE - T-Pin
H = 0.05
V = 0.27

A1585 PCR -USCOE T-Pin
stamped X-6
H: 0.08 0.12 looks like was
V= 0.23 hit leaning east



A1579 SW-34-154-95
BLM 1984 AC
w/cors.
H=0.12
V=0.31

1580 W 1/4-34-154-95
falls in Lake
by ±135'

A1554 W 1/4-35-154-95
H 0.04 3496 AC
V= 0.03 w/st. Pat 05'

A1583 PCR-USCOE-T-Pin
H= 0.08
V= 0.23

50314 C 1/4 34-154-95
PLS 3496 AC

H= 0.01
V= 0.03

43

Rec Cor

Rec Cor

A1582
~~A1585~~ SE 34 - 154 - 95
BLM 1984 AC

H = 0.05
V = 0.29

50315 S1/4 - 35 - 154 - 95
O.S. W/ 3592 AC
N. side

H = 0.05
V = 0.05

B500016 CK 500,016
See Page 39

H 0.13
V = 0.22

A15269 N 1/4 Sec 1 - 153 - 95
BLM AC

H = 0.15
V = 0.07

44

Rec. Cork

Rec. Cork

A500,018 Control PT
5/8" Reb.

Diff

H= 0.10
V= 0.14

A1556 NE 1 - BLM - 153-95
AC

Diff

H = 0.22
V = 0.10

11-11-19
P. Cloudy
15mph wind
5-15°
±2" of snow
M. Krebs
D. Stewbach

URS Survey Corn.
IN T153N R94W

A 500,021

GPS - KLJ AC.
No Photo

Dif H=0.06
V=0.24

A 500,022

CP — Nail
in Ditch

H=0.07
V=0.10

A 15315

N 1/4 - 16 - 153 - 94
0.5W/3366 AC
↑
Remains of O.S.

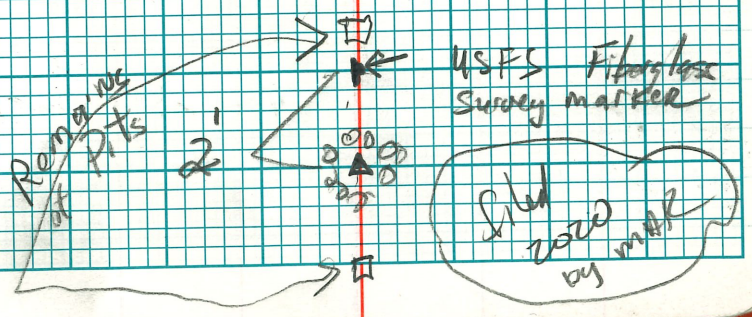
H=0.06
V=0.10

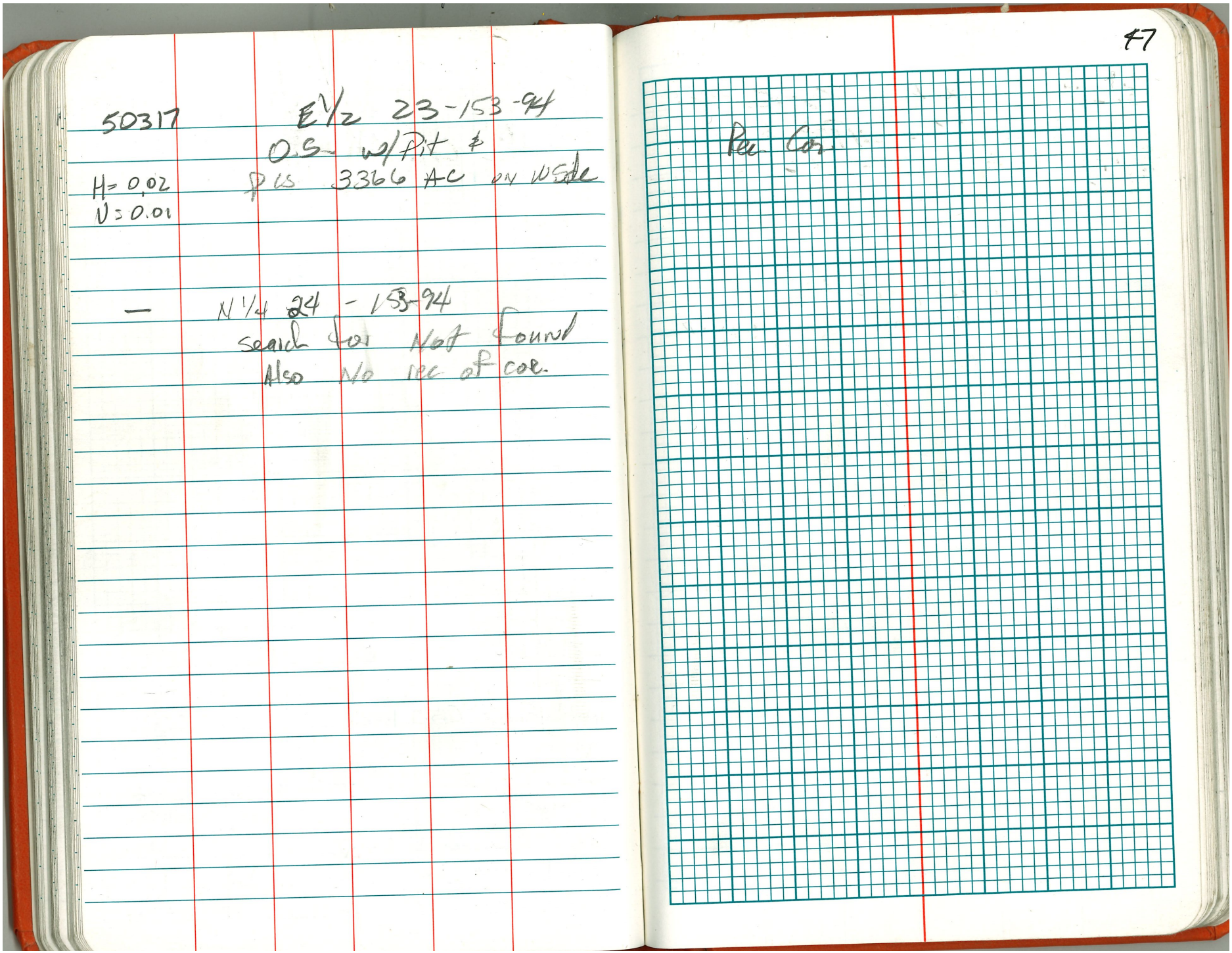
SD312

W 1/4 - 9 - 153 - 94
BLM AC 1983
w/ collar of stone

H=0.01
V=0.01

Need File Cor Rec





50317 E½ 23-153-94
O.S. w/Pit ±
H=0.02 plus 3366 AC on W side
V=0.01

— N¼ 24 - 153-94
search for Not found
Also No rec of cor.

47

Rec Cor.

11-12-19
M. sunny
20°-30°
snow depth
1"-2"
M Krebs
D. Steinbach

Survey Cont
T153N R94W

50318 NE-23-153-94
OS. w/Pits & 3496Ac

H=0.03
V 0.04

50319 PCR-USCO T-PIN
Stamped W25

H=0.05
V=0.01

50320 N1/4 23-153-94
OS w/Pits & PLS
3366 Ac
N Side

H=0.03
V=0.02

50321 E1/4-14-153-94
OS w/Pits.
PLS 3366Ac
W. side

H=0.02
V=0.01

48

Rec Cor

West of Sec Cor

N Rec Cor

Rec Cor

50322

PCR.
USCOE
T-P.W
@ F.C.

H = 0.02
V = 0.04

N 1/4
Sec. 12 - 153 - 94
CORNER NOT Fd.
in old cult. field

A4521

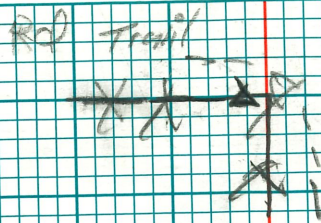
NE - 26 - 153 - 94
O.S. w/Reb on E. Side
Rel by LS 3366

H = 0.06
V = 0.21

A4525

SE - 31 - 153 - 93
O.S. w/3366 Ac & Pits

H = 0.12
V = 0.31



Rel Cor

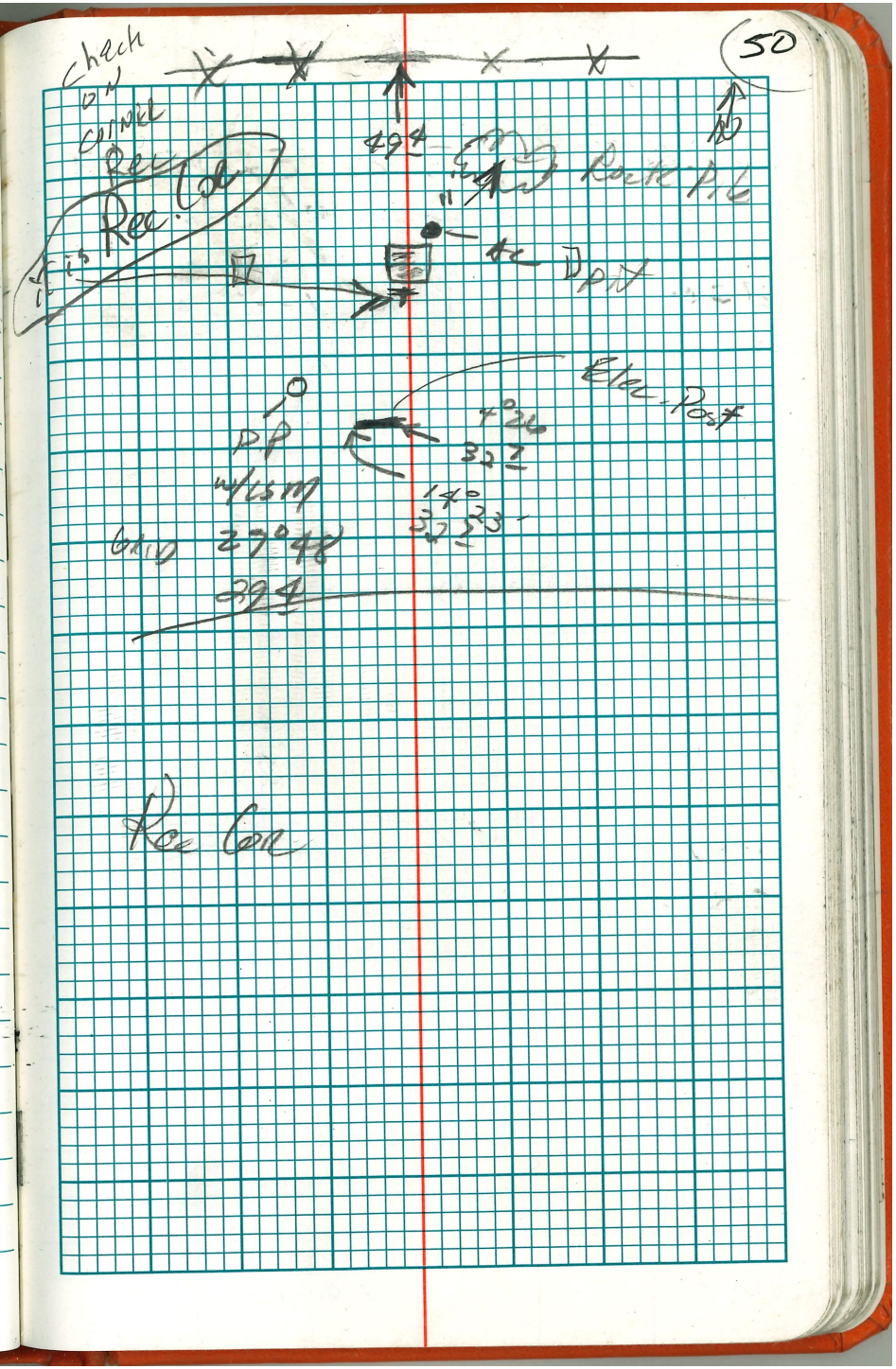
Rel Cor

50323 S 1/4 -32-152-93
O.S. w/ 3366 AC
& USCOE — T. Pin
Pits E-W

H = 0.04
V = 0.01

A4526 NE-2-152-93
O.S. w/ 3366 AC

0.07
032



11-12-19
M. Sunny
Wind ± 15 mph
20°-30°
M. Krebs
D. Steinbach

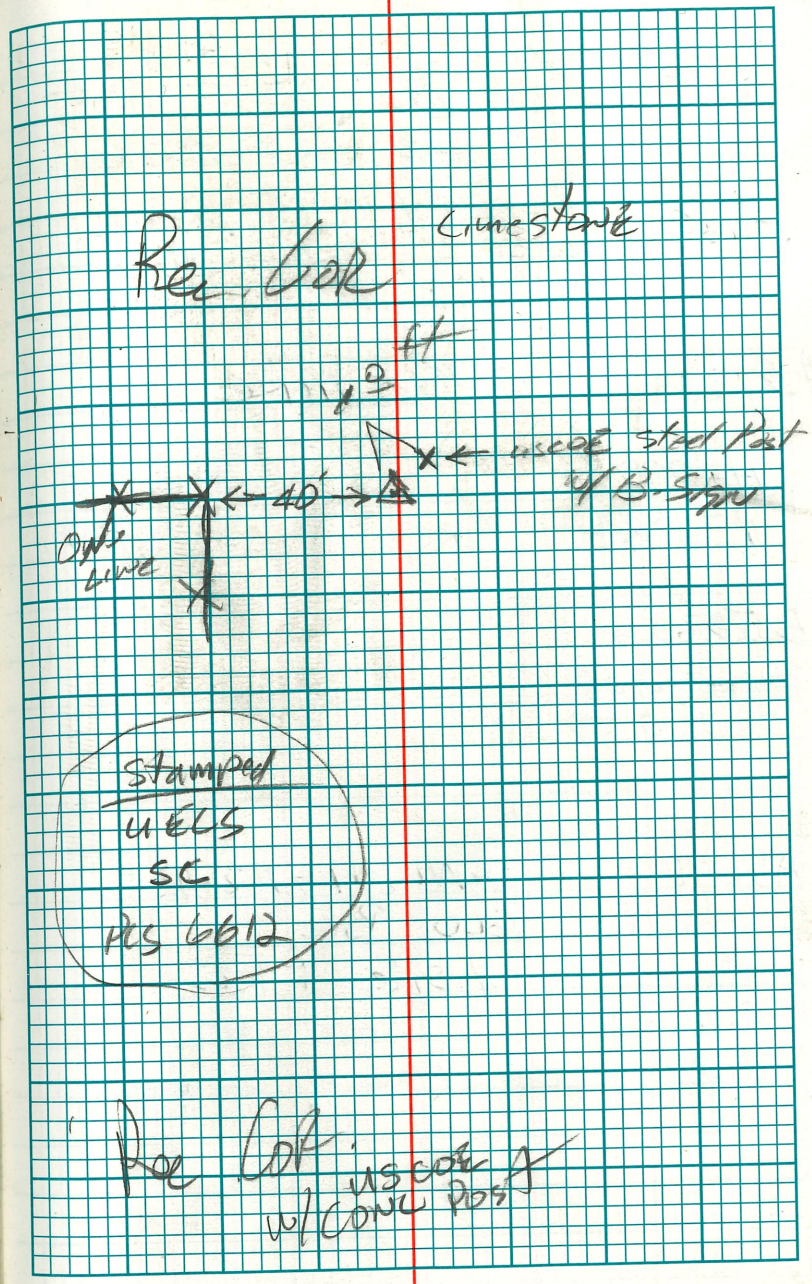
URS Survey CONT

50325 — W 1/4 - 6 - 152 - 93
O.S. w/ USCOE T-Pin (V-17)
Stamped.
H 0.02
V 0.02

50326 — PCR - USCOE T-Pin
w/ cap Stamped W-2
H 0.03
V = 0.01

50327 — NW 1/4 - 1 - 152 - 94
PLS ~~15612~~ 6612
Next to USCOE
Bent T-Pin
H = 0.01
V = 0.01

A 5574 — S 1/4 6 - 152 - 93
O.S w/ USCOE
T-Pin
Stamped V-13
H = 0.15
V = 0.09



9977 NE-12-153-94
O.S. w/3366 Ac
w/ markings

H=.15
V=.30

A50324 GPS - MRC

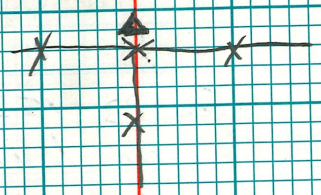
H=0.19
V=024

B50324
H=0.20
V=0.20

A2058 NW-17-152-93
GLO BC
N. side of F.C.
Next to post
Flush w/ Ground

H=0.19
V=0.30

Rec. Log



Fld 2020 MH

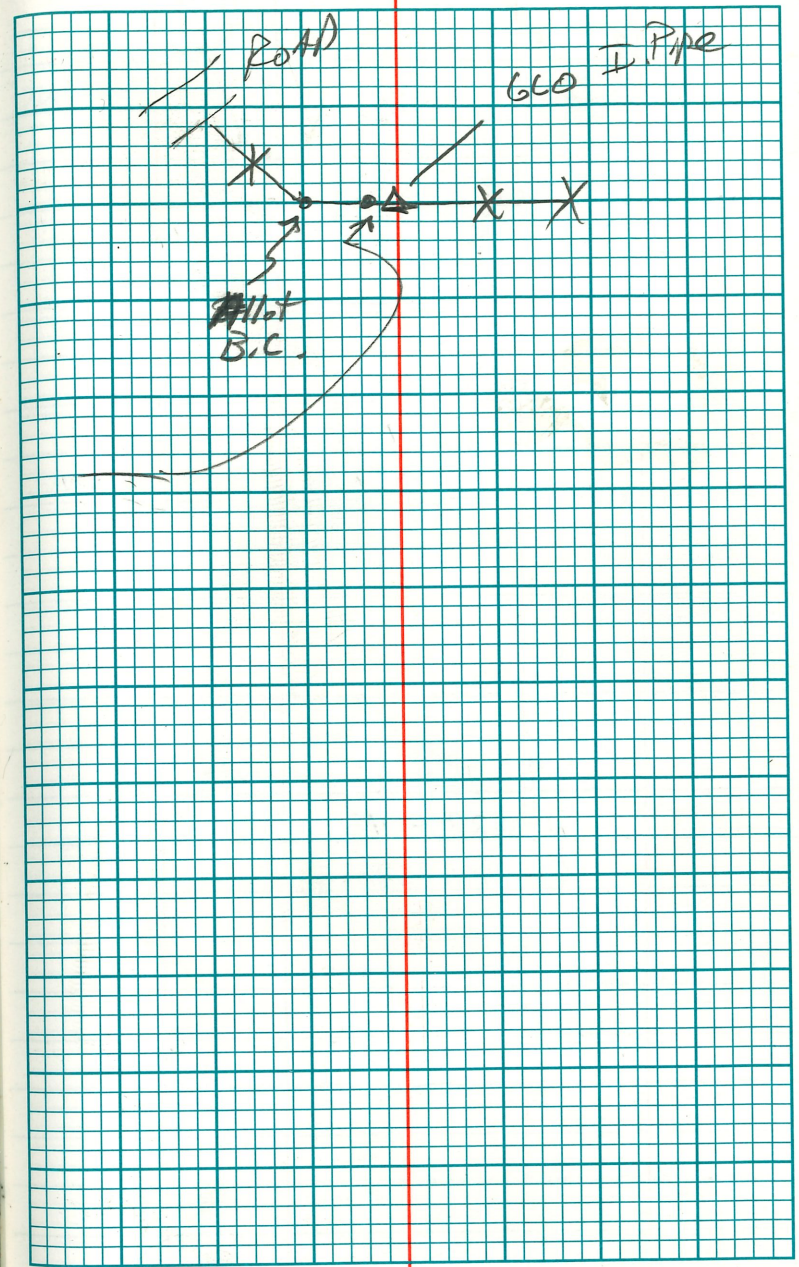
A2059 — N 1/4 - 17 - 153-93
Dist — 45 GLO - I. Pipe
H = 0.27 — without B.C. cap
V = 0.55 — PLS 1139 Ac. — to West 0.2

B 2059 — Shot PLS 1139 Ac
Dist — (As Pt '2059)
H = 0.10
V = 0.00

Searched for
East 1/4 Sec. 32 - 153 - 93
falls in lake

S 1/4 Sec 33 - 153 - 93
falls in lake by ±700
Today Elev. of Lake @ 1841
according to Paper.
someday it may reappear.
No Corner Recorded.

53

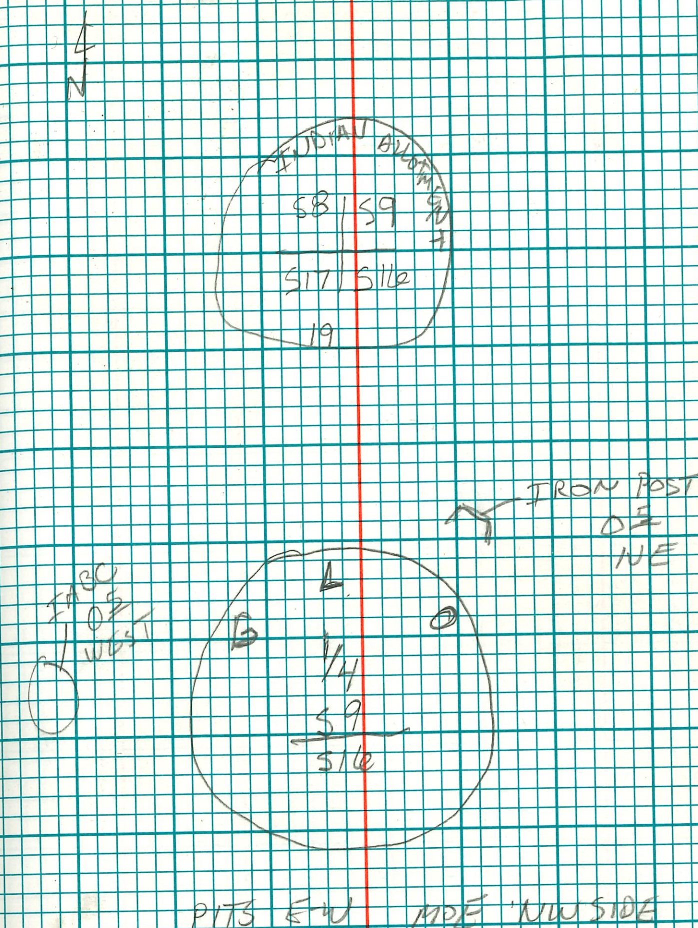


54

11-21-19   M-1155
CORNER SEARCH   JUSTIN SEMERAD
GEOFF O.
VRS R10-2 TSC7   30's \ WIND±10
CLEAR

60000   SW 9 152 93   FABC
N. 368927.65
E. 1454257.80   →

60001   S1/4 9 152 93   GLO BC
N. 368858.4
E. 1456888.2   →



60002 RP GLOBC WCCC

60003 CLCOR OS GLOBC
N. 371356.5
E. 1454324.1

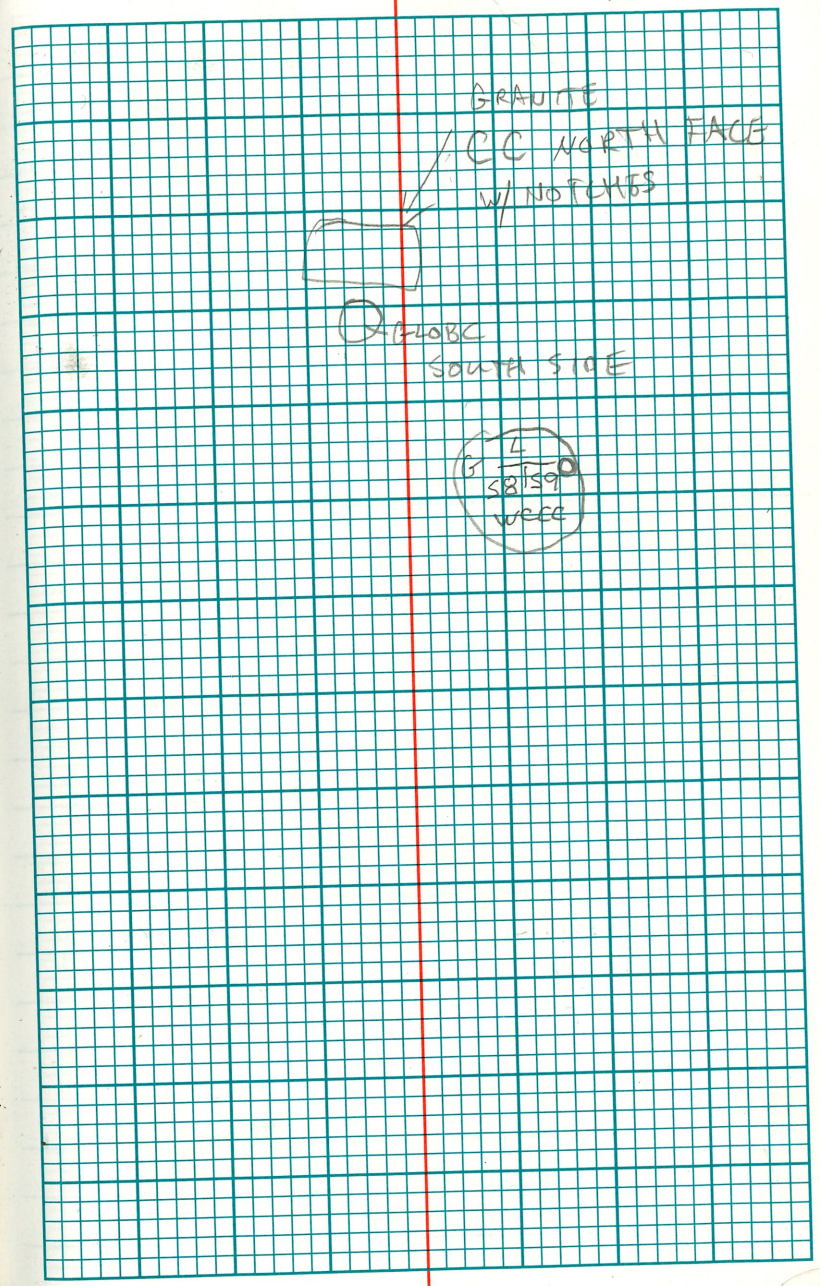
60004 RP STONE?

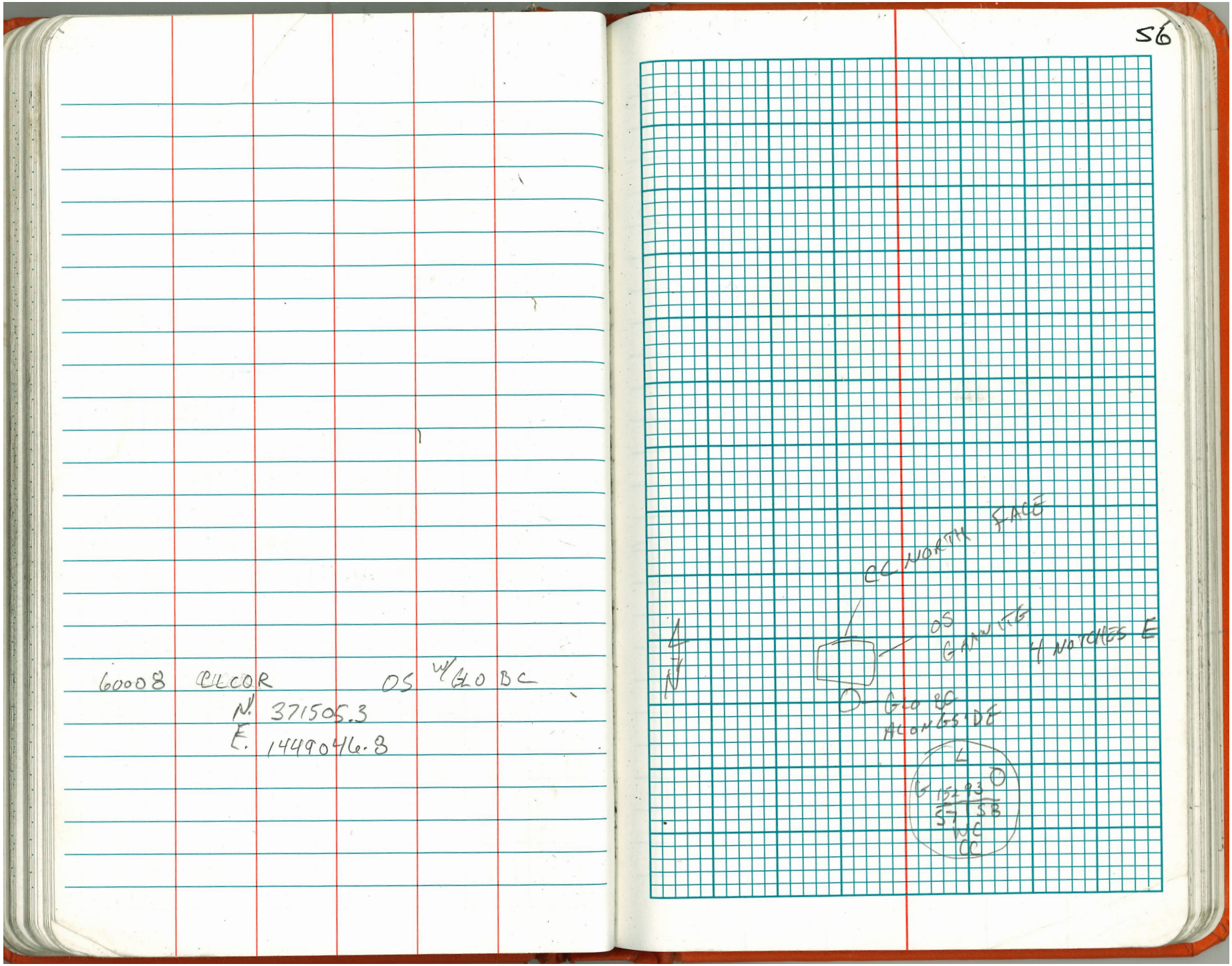
60005 CONCRETE MONUMENT

60006 COE CAP V3. PROPERY LINE
N. 371430.9
E. 1451686.3

60008 CLCOR OS GLOBC
N.
E. SEE NEXT PG

55




56
CL NORTH FACE
OS
GRNW FIR
4 NOTCHES E
GLO BC
ALONG SIDE
60008 CLCOR OS W/40 BC
N. 371505.3
E. 1449046.8

60009 mP PLS6612 AC
N. 371505.0
E. 1449061.9

60010 W¼B 15Z 93 OS W/ 5/8 REBAR
N. 371997.52
E. 1449060.3

57

PLS 6612

6612 AC

CONCRETE BOUNDARY POST FOR WEST

OS GRANITE

¼ W FACE

5/8 REBAR

M.OS

F. Book #2 M-1155
Survey Cont.
4-23-2020
m. cloudy 50's
M. Kiebs
K. Nagy
using UPS w/ R8
TSC3
(See Page 1 for details)

A5989 - is C Sec 13-154-101
w/ PLS 6408 AC

check H= 0.13
V=+2.85

HWY 85 was Reconstructed here, orig. Reb was possibly 2.85' lower or had bad elevation
check good horizontally

58

Searched for
W 1/4 Sec 21-T153N R100W
again.

North Dakota Board of University and School Lands

B 50128 w 1/4 cor AC ck 50128

Dif H=0.05
V= 0.02

150001 FC – E & S
± 50 yl dd.

50 401 PCR
USCOE 4½" AC
stamped DD 21-1C

Dif H= 0.01
V 0.02

50402 PCR
USCOE 4" AC
Stamped DD21-1D

See Photo 1 – COR
2 – Looking S
3 – " N

Dif H=0.01
V=0.01

150,002 - 150,009 Top Ridge

59

Photo # 20200423 # 424

Photo # 425
648
571

571

~~648~~
#571
6550

50403 PCR - USCOE 4"Ac
Stamped PD-27-2A
Diff H=0.02

50404 PCR - USCOE 4"Al
is same as #50132

150 010 - 150027 Drain ⊄

150,028-30 CONC - Bldg.
Possible Lugger

150,034 - 150,034
~~150031 - 150034~~ CONC. Bldg. Foundation

150,035 Water Well

50405 1/4" Reb Fd.
See Photos

50406 = 50131 USCOE = T-Post
shiner.

60

Photo # 21457
#0154
12962

Looking East
West

9439
Looking W 9564
E. 4624

Bldg

D-well

conc
Fd.

Looking So 1624696903 > Reb @ 1x2 orange
11934
Looking W. 1624540110 Reb

Looking W. 1624596
Looking Down 1.6 2702 188

105036-40 Fence OLD WIRE - Post Laying
105041 - Top Bank

Photos

Looking East @ OLD F.C. 7913
Looking South 0507
West 3024
N. 2458

Existing Stone @ Looking N — 2 Notches S.
West — 3 Notches E S N

105042

CONC MON w/ X MARK on top
Laying on ground.
USCOE Fiberglass survey
marking post 1' west

105043 Bottom Slope - See Photo 1st
44 " "
45 " "
46-48 " "
1050 " "

Looking East (7913) ; S (0507)
W (3024)
N (2458)

Photos
162157804
162214139

Photo 164911733
164916791 Looking East
164937689 - Looking South.

well defined

Photo #70720886 Looking S.
#70720446 N

Not well defined ± 30 East

1' well defined Bottom

See Last Photo

105050 – 51 ℄ Draw "

105052 ℄ Draw also N-S Fen

105053-55 BRK - Top Bluff

105056 Spot - Fen N. & SE

105057 to 105060 BRK - Bott of Slope

105062 - 105061 OLD Fence Posts/wire

105063 – 105064 Ex. Fence

Fen goes South to 1050

To take
~~at~~ Vertical Bank presently

In 1892 Bottom would have been farther South

See Photo Looking West to 1855 11939 Orig Stone

See Photo Looking West Fence is in line w/ Orig. stone 18544598?

Survey Cont
FB # 2 M-1155
4-28-2020
Cloudy, windy, 30mph
50's
M. Krebs
N. Bishop
using URS

50407 S1/4 36-153-98
USCoE 4" AC

A50407 = CP

Photo #8403
#14353 looking E.

90161 SE SEC 31-153-98
3214 AC Reset

A90161 Diff H = 0.08
V = 2.97

Pages 63-64

N 386580.260
E 1269696.965
N 386580.28
E 1269696.98

N 386297.313
E 1277599.67
EL 1870

Ref to this corner

use 90 Ties Nearest CORNERS

Corner IN per Map field

Seard for orig stone
@ SW4 Sec 36-153-99
15024 SW sec 31 - 153-98
SW4 - 31 - 153-98
SE 31 - 153-18

Searched for SW-1-152-93
in water by 40 dist
water Elev Approx @ 1841
today. Extremely windy

Looked for SW-25-153-93
stone found w/ ? mark.
M.O.S. to NW

Seark again for W1/4-25
on hillside steep, possibly
to fall or slide down

64

- checked into this Point Today

+50276
50275
+50300E

See P. 28

5-6-20
Clear
50's
Calm
M Krebs
R. Nagy

Survey CONT
using VRS
FB# 2 M-1155

Check 50275
B 50275
H = 0.03
V = -0.05

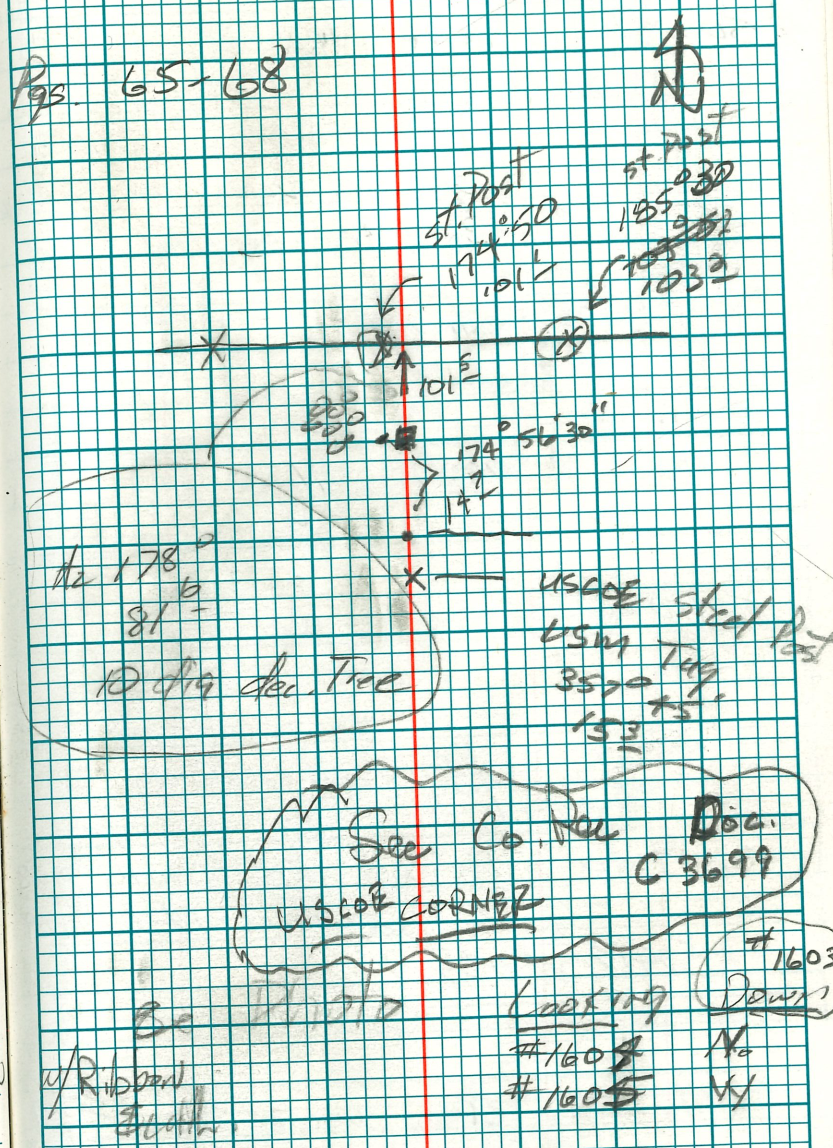
50276 SW 25-153-93
O.S. w/ MOS set 3214 AC on W. side
w/ 1 mark East side
w/ 1 mark on S. side

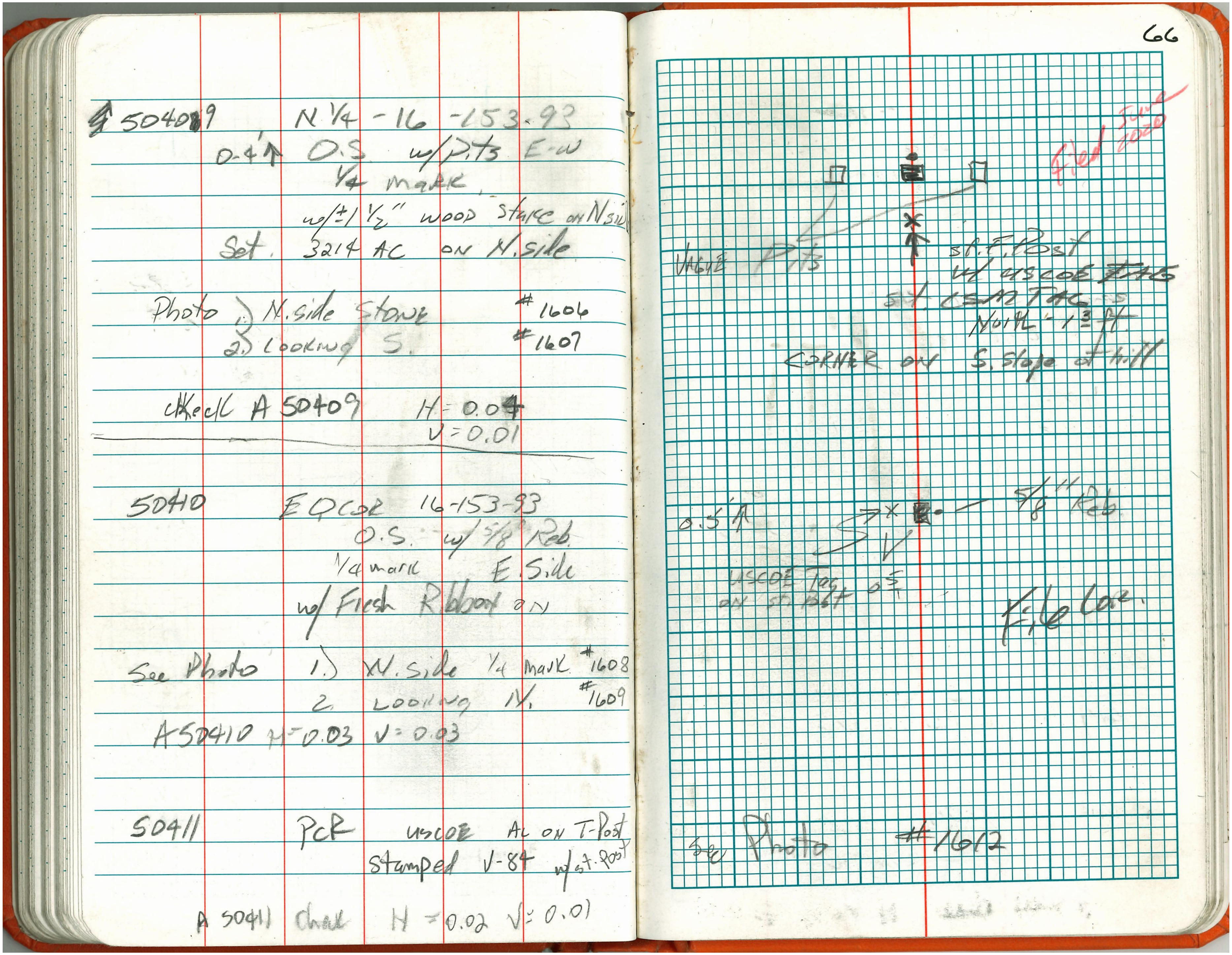
Photo O.S. Look N JPG # 1597
" N # 1598
" S 1599
" NW 1600
" N 1601
" E 1602

A 5887 CK 5887 -
1" B. SQ. I.P. w/ Ribbon Bulldr
Diff H = 0.11 V = 29
1 FT buried
in previously cult. Field

65

Pgs. 65-68





50409 N 1/4 - 16 - 153 - 93
0.4'↑ O.S. w/ Pits E-W
1/4 mark
w/ ±1 1/2" wood stake on N side
Set 3214 AC on N. side

Photo 1.) N. side stone #1606
2.) Looking S. #1607

Check A 50409 H = 0.04 V = 0.01

50410 E 1/4 Cor 16-153-93
O.S. w/ 5/8" Reb.
1/4 mark E. Side
w/ Flesh Ribbon on

See Photo 1.) N. side 1/4 mark #1608
2. Looking N. #1609
A 50410 H = 0.03 V = 0.03

50411 PCR USCOE AC on T-Post
Stamped V-84 w/ st. post

A 50411 Check H = 0.02 V = 0.01

66

Filed June 2020

File Loc.

See Photo #1612

50412 CP – USCOE A-R 1956
4" BC 1.0 ↑
Photo ① Looking S. # 1613
A50412 H=0.03 V=0.00

~~5892~~
~~50413~~ NW/4 22-153-93
0.5↑ O.S. w/mos N. side
A~~5892~~ ② set 3214 AC N. side
H 0.09 Photo # 1614 Looking S
V=0.25 # 1615 Looking S
M.O.S ± 6 Dig

50413 SE Sec. 22-153-93
5771 AC

CK A50413 H=0.02 V=0.01

50414 PCR USCOE Stamped U75?
Button Cap on T-Post w/ St. Post

A50414 CK H 0.05 V=0.00

** Gld Witness CORNER eloded any

Filed 2020 mrk

St. Post 178°-25'

USCOE Tag on St. Post

Photo # 1616 Looking S.

w/ Ties & USCOE Tag 1930 -17'

Highland Post 3/16

St. Post 178°-20' 16'

Photo # 1617 Looking S.
1618 " "

5893 NE 22-153-93
O.S. w/markings
½ Reb on W. Side
CK A 5893 Photo #1619 Looking S.
diff H=0.18 V=0.12 1620 S.

5890 W ¼ 14-153-93
Lambert 1241 PPC Bent PN
A 5890 Diff H 0.31
V 0.12
See Photo #1621 Looking down

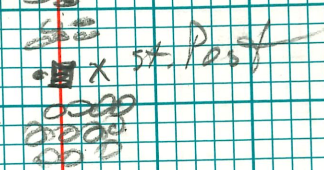
50415 N ¼ 15-153-93
O.S. w/MDS & 3366 AC
N. Side.

A 50415 Diff H=0.01
V=0.02

Photo #1622 Looking SW
#1623 " W

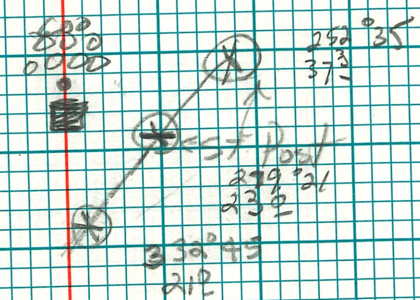
68

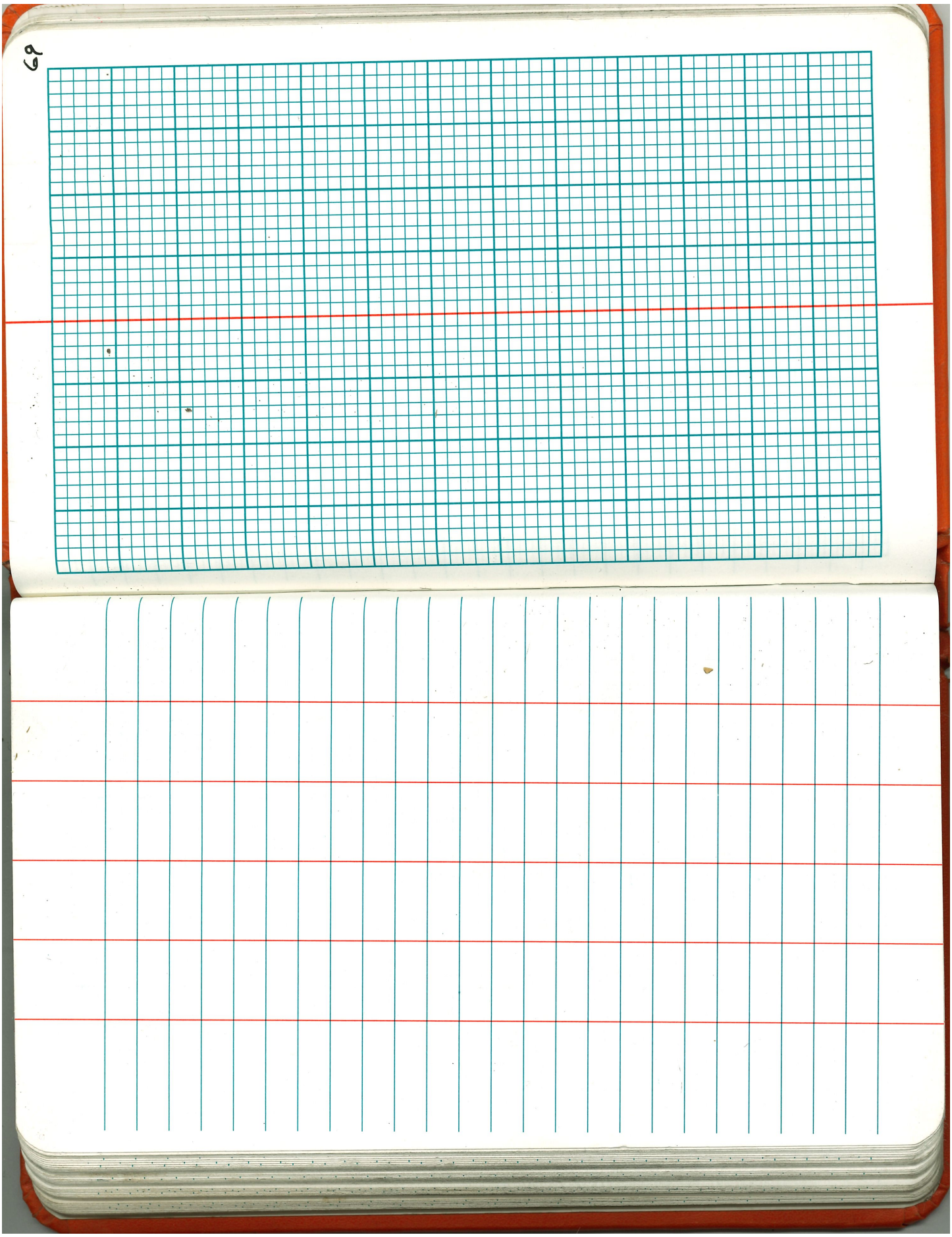
Cen Tag So



Hit By Const - use orig shot

- CORNER 1 foot Below Surface

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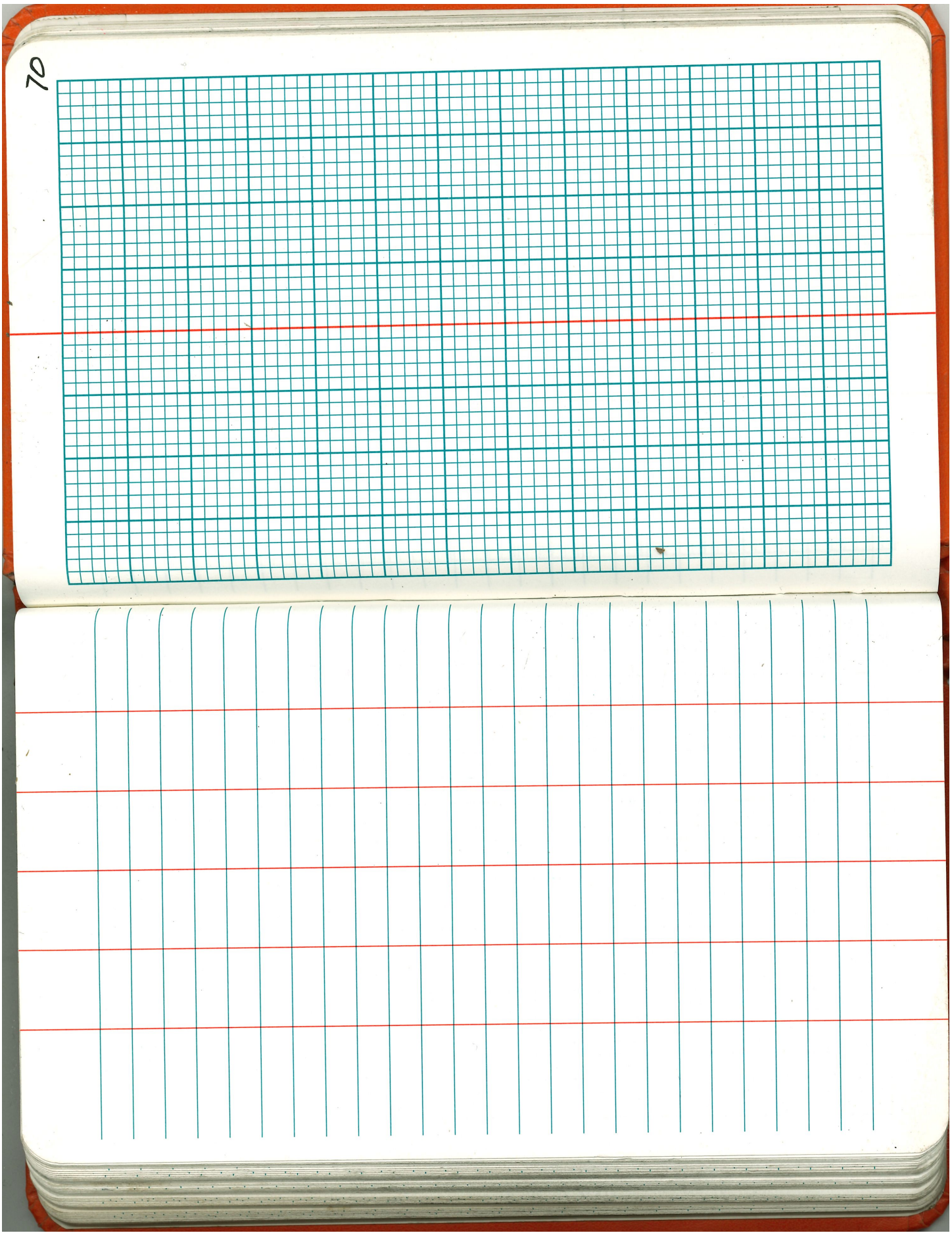
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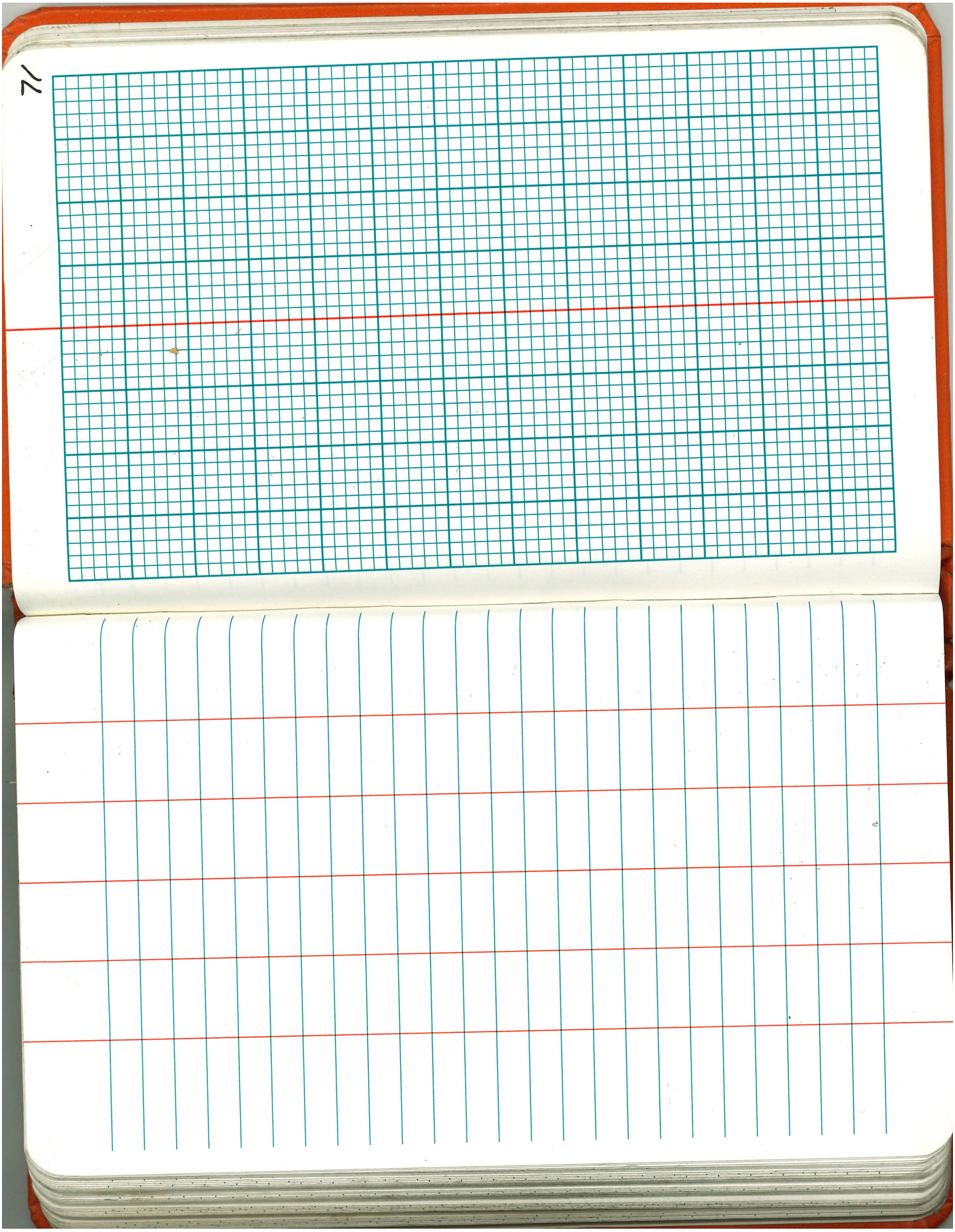

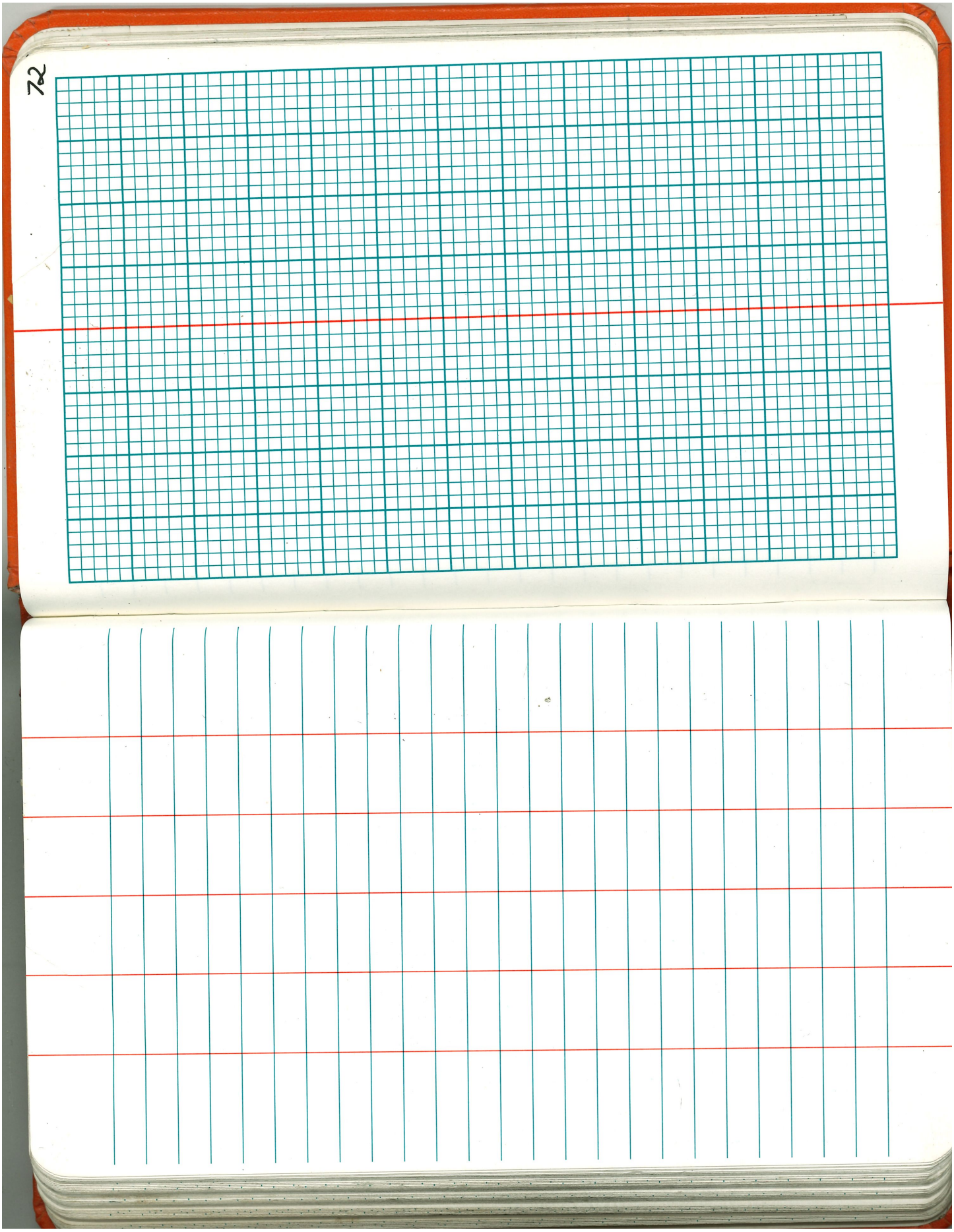
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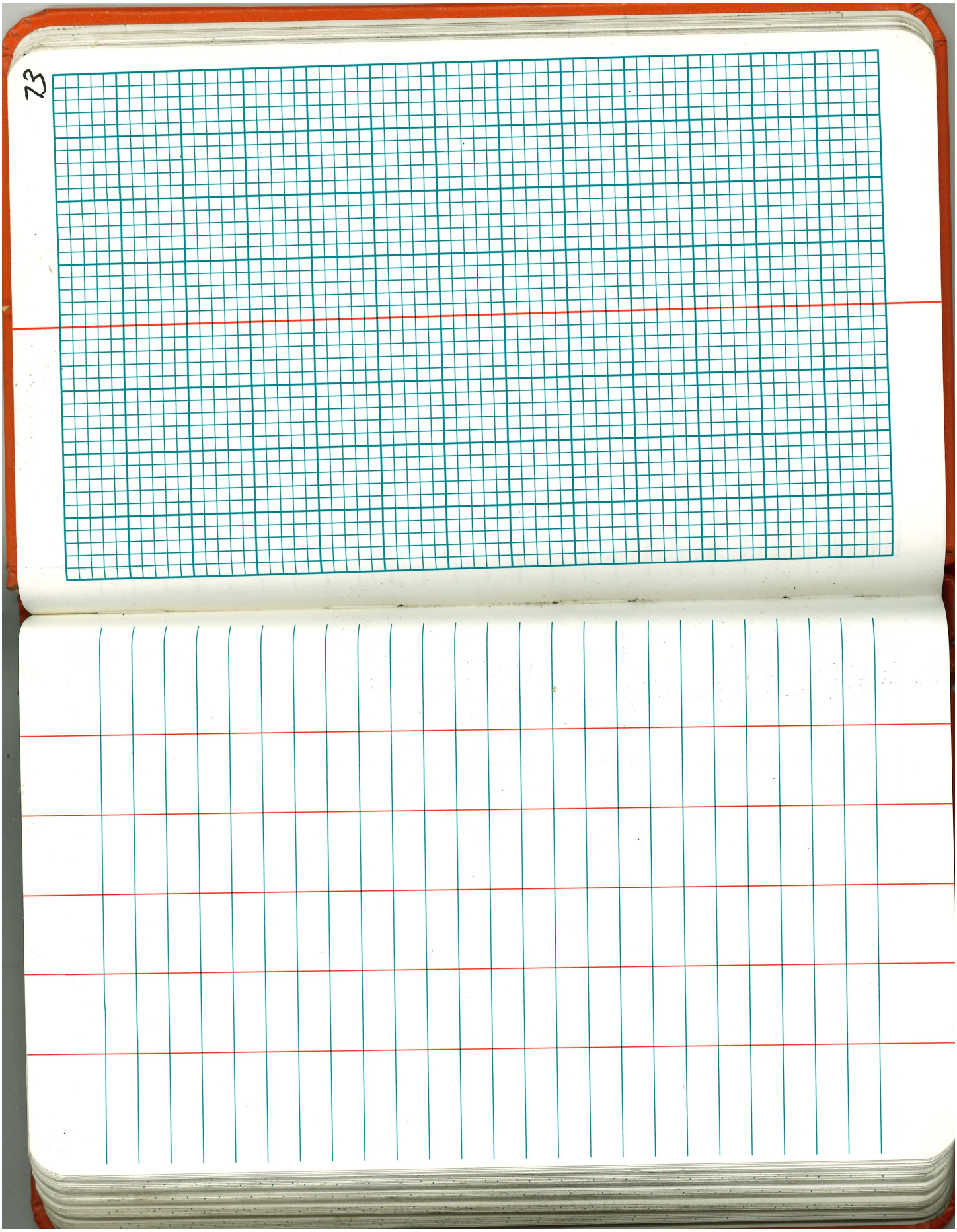
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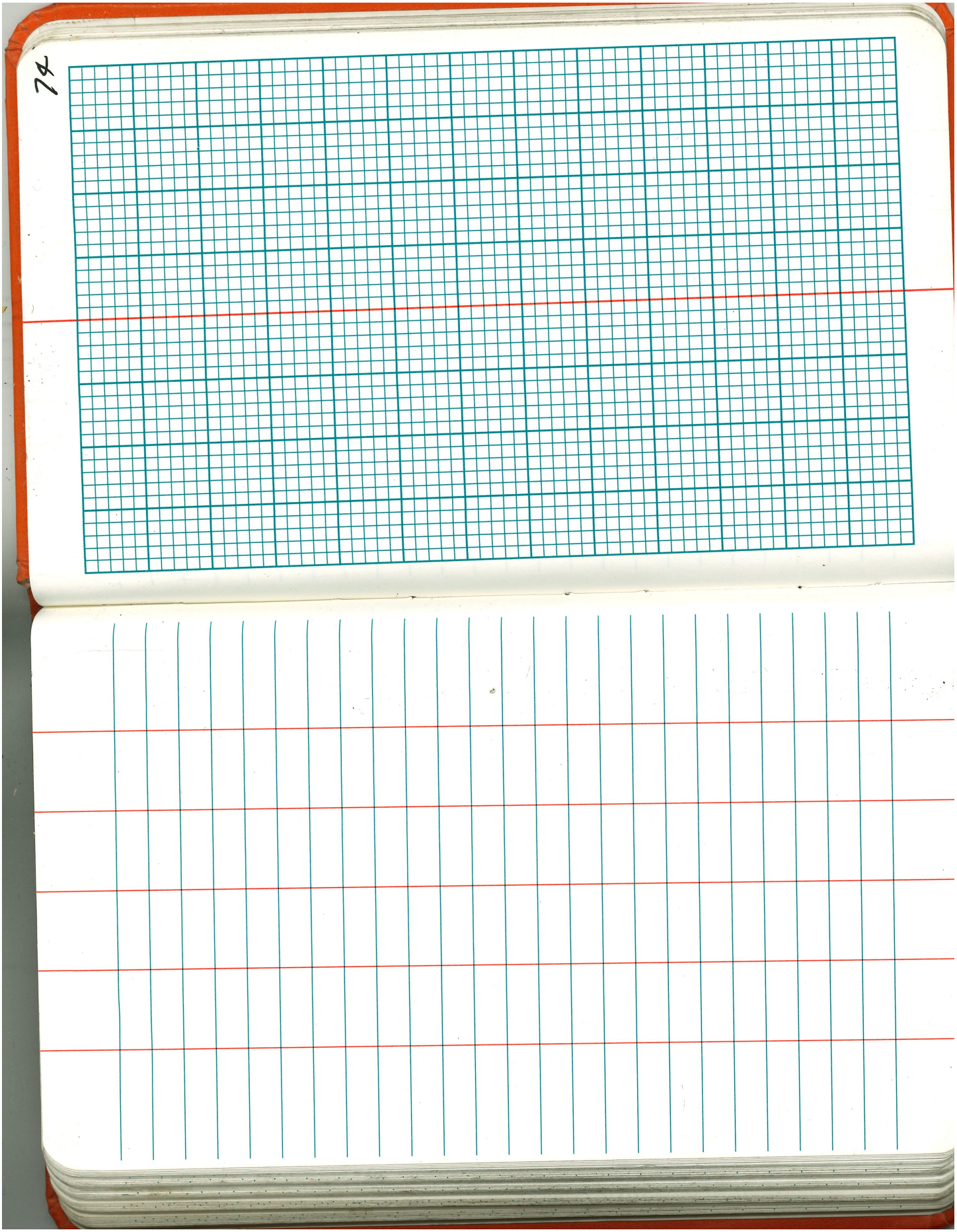
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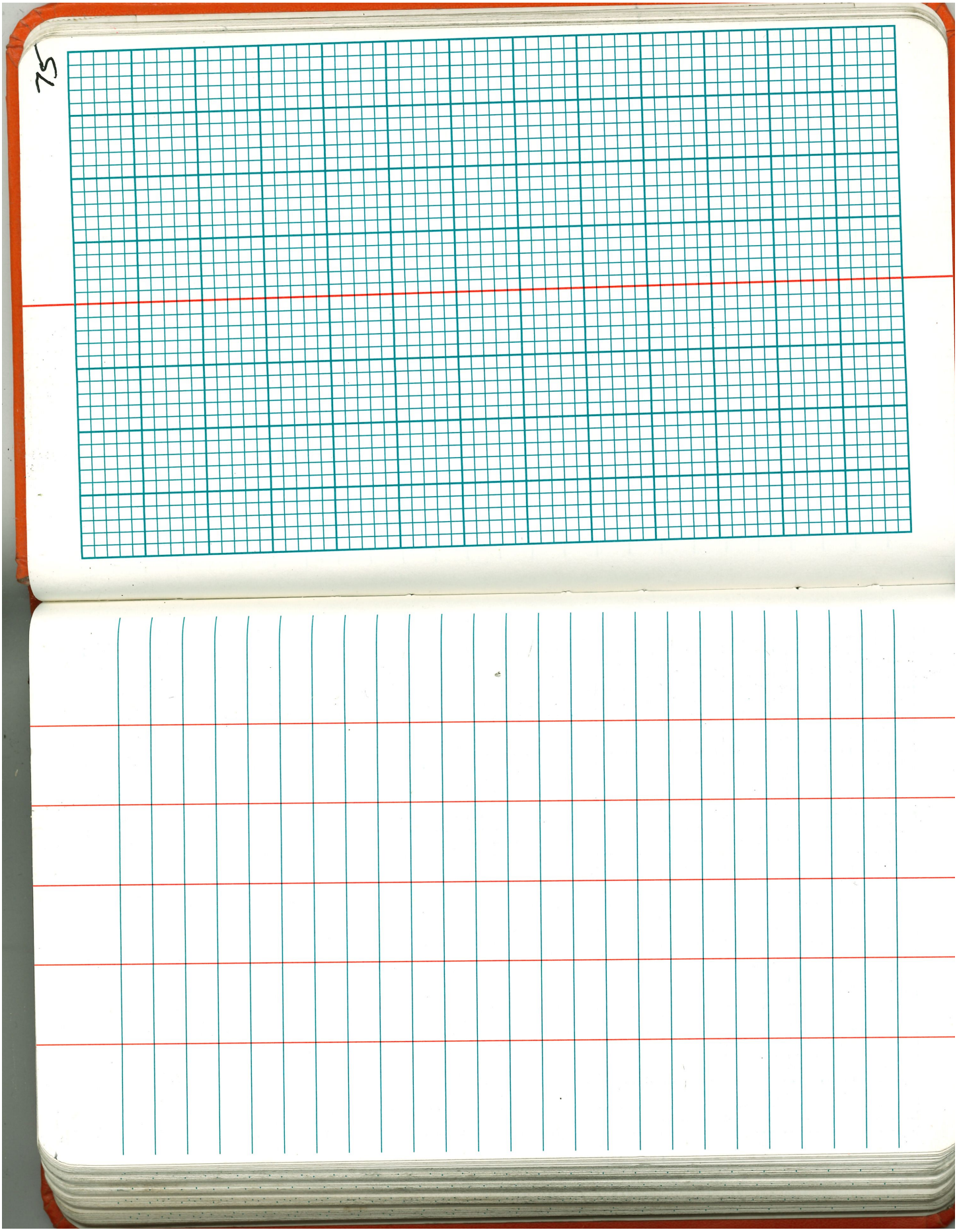
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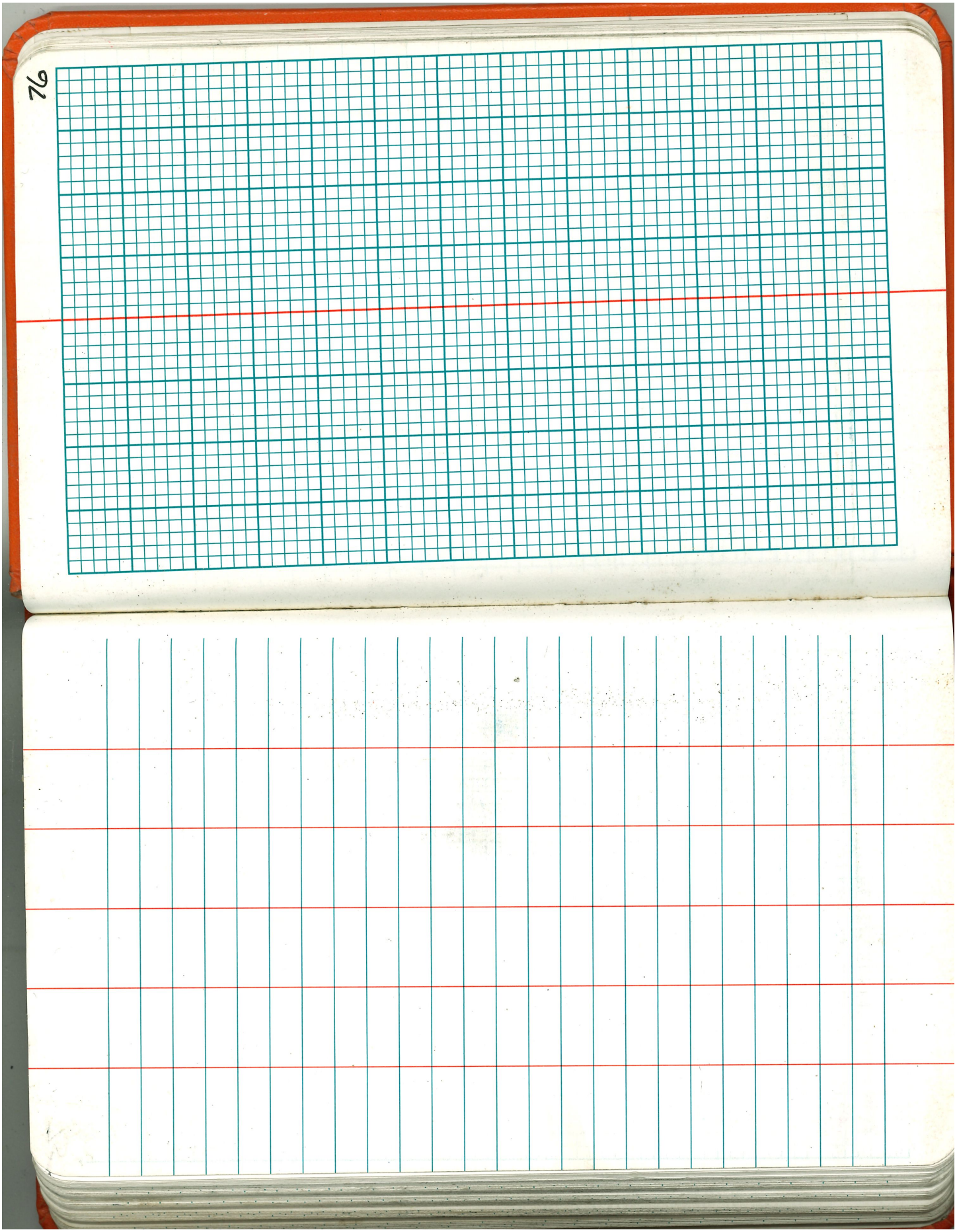
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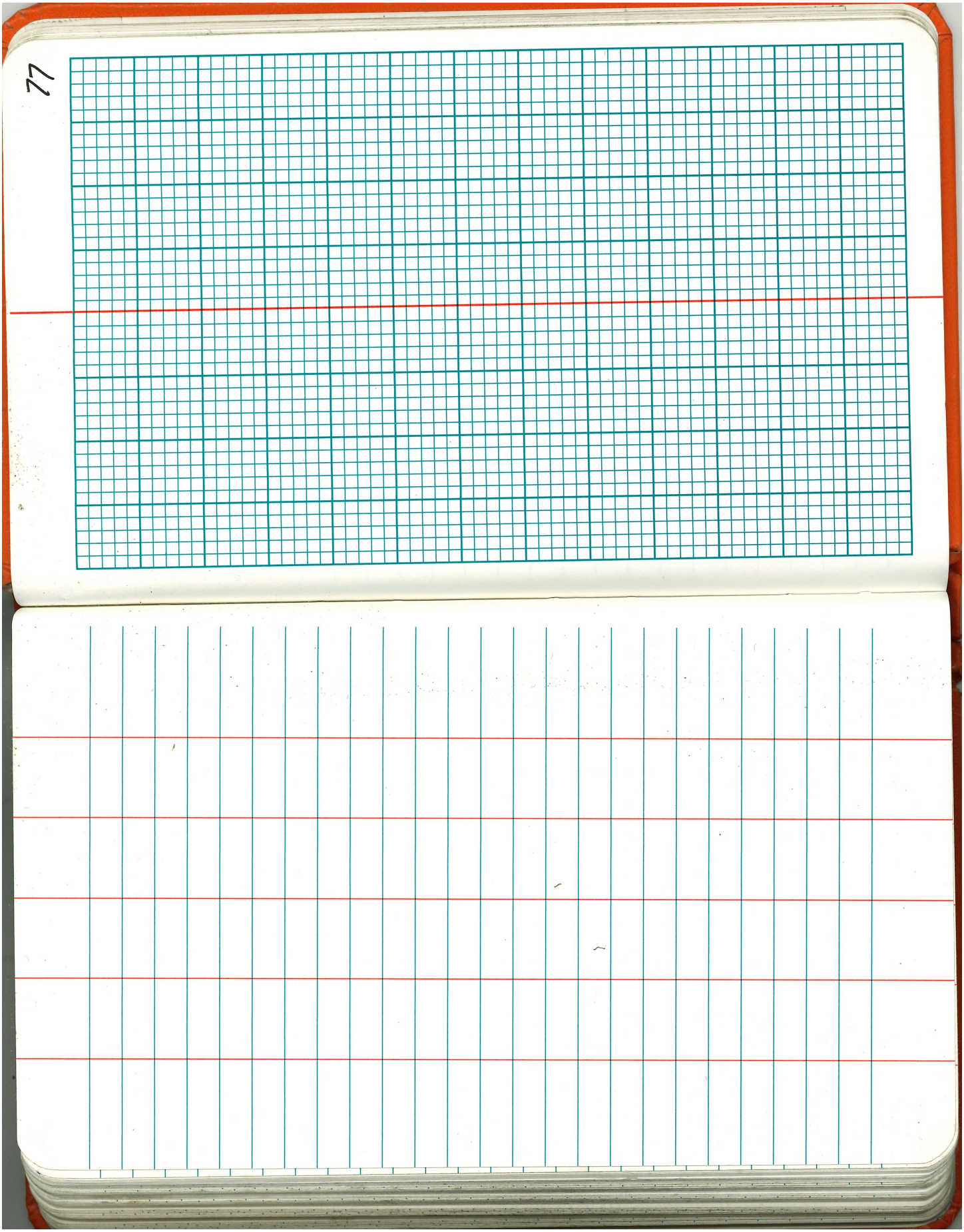
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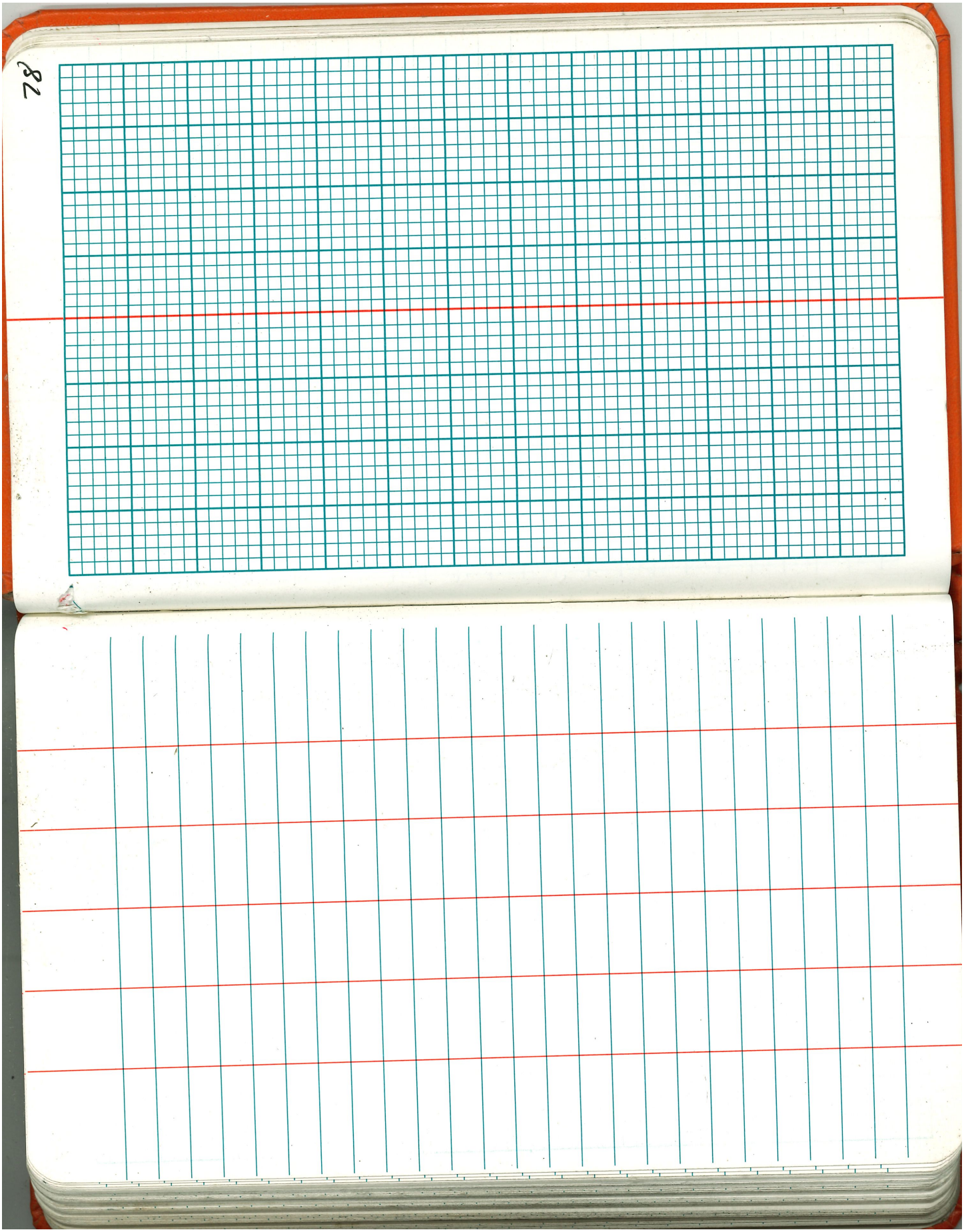
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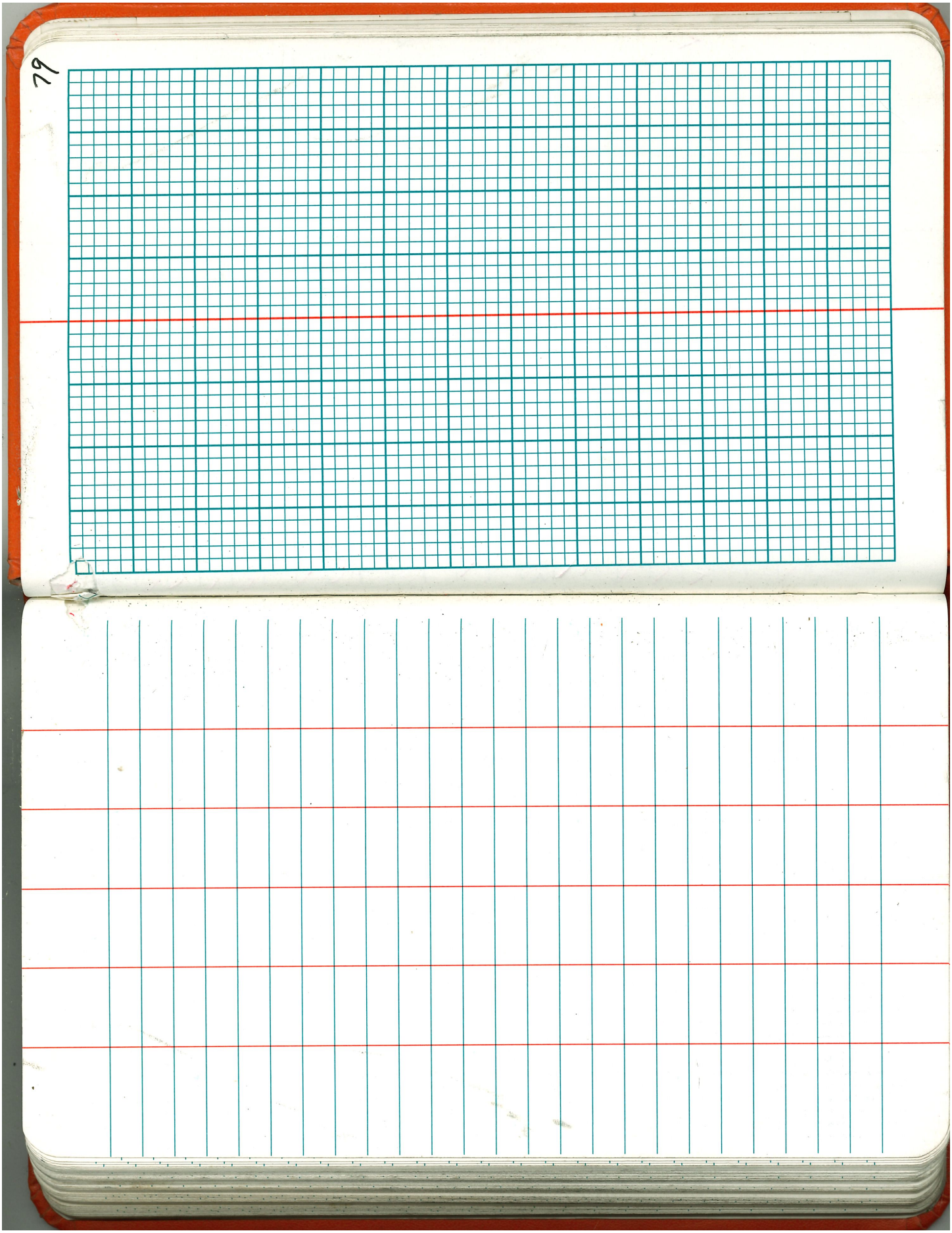
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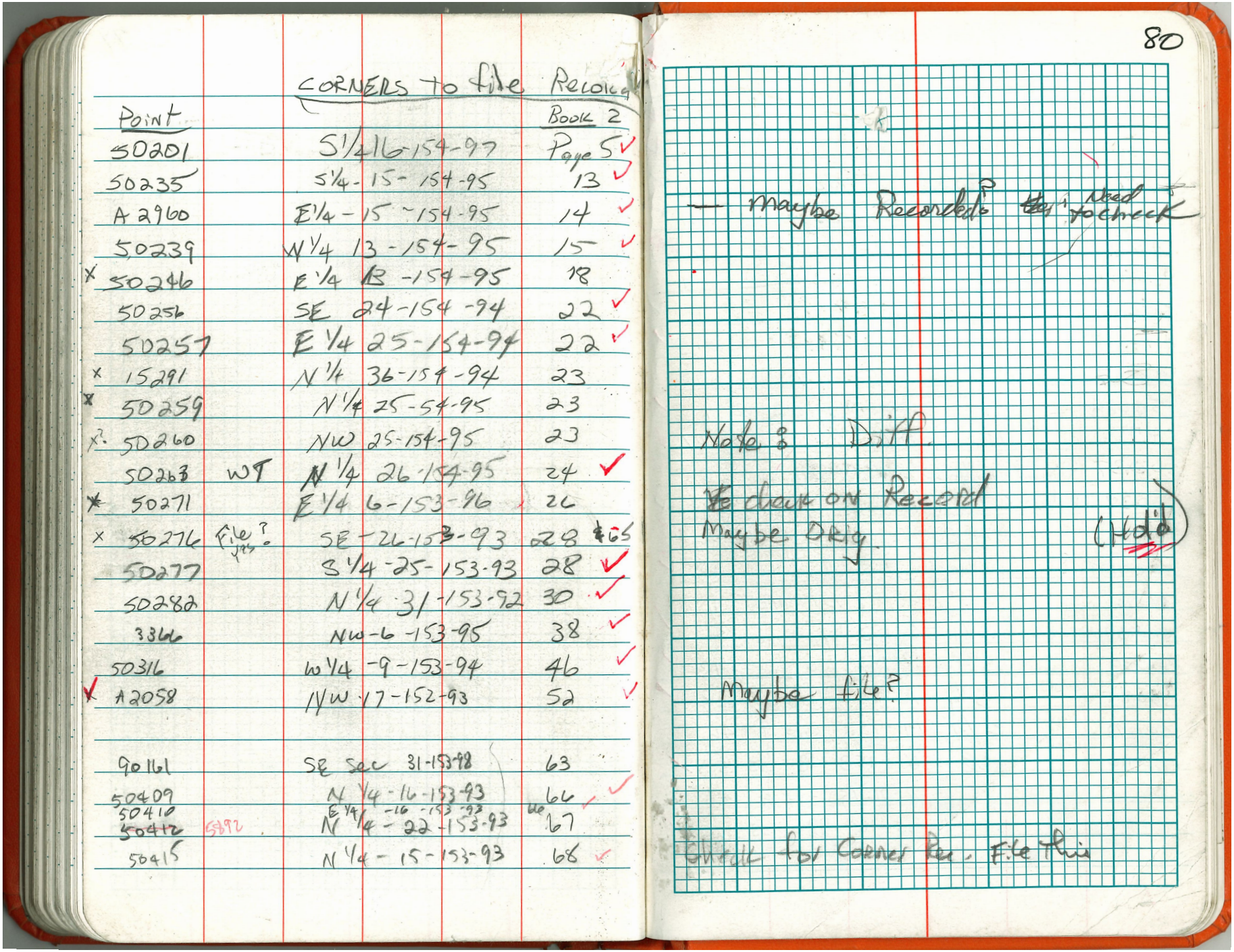


CORNERS to file Recolc 4

Point			Book 2
50201		S1/4 16-154-97	Page 5 ✓
50235		S1/4 - 15 - 154-95	13 ✓
A 2960		E1/4 - 15 - 154-95	14 ✓
50239		W1/4 13 - 154 - 95	15 ✓
X 50246		E1/4 13 -154-95	18
50256		SE 24-154-94	22 ✓
50257		E1/4 25-154-94	22 ✓
X 15291		N1/4 36-154-94	23
X 50259		N1/4 25-54-95	23
X 50260		NW 25-154-95	23
50263	WT	N1/4 26-154-95	24 ✓
X 50271		E1/4 6-153-96	26
X 50276	File? yes.	SE-26-153-93	28 ✓65
50277		S1/4 -25- 153-93	28 ✓
50282		N1/4 31-153-92	30 ✓
3366		NW-6-153-95	38 ✓
50316		W1/4 -9-153-94	46 ✓
X A2058		N/W 17-152-93	52 ✓
90161		SE Sec 31-153-98	63
50409		N 1/4 -16-153-93	66 ✓ ✓
50410		E1/4 -16 -153-93	66
50412	5892	N 1/4 - 22 -153-93	67
50415		N 1/4 - 15 - 153-93	68 ✓

80

— Maybe Recorded? Need to check

Note: Diff.

We check on Record

Maybe Orig ✓

(Hold)

Maybe file?

Check for Corner Rec. File this

CORNERS

that need COR Record filed

Filed 102

PI #	Check for COR Rec.			Book 1
50,000		W 1/4 1-153-102 Reb.		P. 2
50,001		16 Cor - Sec 1 - 153-102	YPC	3
50,013	✓	SW 35 -153-102	AC	10 ✓
50,014	✓	SE 35-153-102	Reb.	11 ✓
A 11530		N 1/4 -5-152-102	Reb	11 SKIP
~~A 12391~~		~~S 1/4 - 36 - 153-102~~		11
50016		E 1/4 36-153-102	OS	13 ✓
A 12355		NE - 36 -153-102	OS.	13 ✓
50017		C 1/4 30 - 153-101	T-Plat	13
50024		SE -30-153-102	BC	16 ✓
A 733		NE-32 -153-102	CONC	17 ✓
50037	file?	E 1/4 30? -153-101	T-Plat	23
50038	File if used	C 1/4 1-153-102	YPC	24 ✓
50040		S 1/4 20-153-101	OS	26 ✓
50071 70	?	N 1/4 -11-152-101	AC	40 ✓
50072		SW-2-152-101	AC	41
50073		W 1/4 -2-152-101	AC	41 ✓
50080		S 1/4 -17-152-100	OS	43 ✓
50085		S 1/4 16-152-100	OS	45 ✓
X 50093		C 1/4 14-152-100	T-Plat	46
50109	VERIFY Rec	S1/4 - 32 -153-~~100~~ 98	OS.	51
50110		SE - 32 - 153 - 98	OS	53 ✓
50116	VERIFY if Corr	W1 S 1/4 -26-153 - 98	AC	55
50158		E 1/4 35-154 -98	OS	70 ✓

✓ COR. Rec. Filed

81

CURVE TABLES

File 50201

HOW TO USE CURVE TABLES

Table I. contains Tangents and Externals to a 1° curve. Tan. and Ext. to any other radius may be found nearly enough, by dividing the Tan. or Ext. opposite the given Central Angle by the given degree of curve.

To find Deg. of Curve, having the Central Angle and Tangent: Divide Tan. opposite the given Central Angle by the given Tangent.

To find Deg. of Curve, having the Central Angle and External: Divide Ext. opposite the given Central Angle by the given External.

To find Nat. Tan. and Nat. Ex. Sec. for any angle by Table I.: Tan. or Ext. of twice the given angle divided by the radius of a 1° curve will be the Nat. Tan. or Nat. Ex. Sec.

1580 - 1578

92-

EXAMPLE

Wanted a Curve with an Ext. of about 12 ft. Angle of Intersection or I. P. = 23° 20′ to the R. at Station 542+72.

Ext. in Tab. I opposite 23° 20′ = 120.87
120.87 ÷ 12 = 10.07. Say a 10° Curve.

Tan. in Tab. I opp. 23° 20′ = 1183.1
1183.1 ÷ 10 = 118.31.

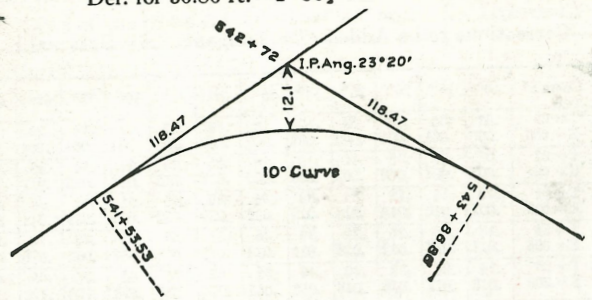
Correction for A. 23° 20′ for a 10° Cur. = 0.16
118.31 + 0.16 = 118.47 = corrected Tangent.

(If corrected Ext. is required find in same way)
Ang. 23° 20′ = 23.33° ÷ 10 = 2.3333 = L. C.

2° 19½′ = def. for sta.	542	I. P. = sta.	542+72
4° 49½′ = " " "	+50	Tan. =	1 .18.47
7° 19½′ = " " "	543	B. C. = sta.	541+53.53
9° 49½′ = " " "	+50	L. C. =	2 .33.33
11° 40′ = " " "	543+ 86.86	E. C. = Sta.	543+86.86

100 − 53.53 = 46.47 × 3′ (def. for 1 ft. of 10° Cur.) = 139.41′ = 2° 19½′ = def. for sta. 542.

Def. for 50 ft. = 2° 30′ for a 10° Curve.
Def. for 36.86 ft. = 1° 50½′ for a 10° Curve.



Jake Backowski 1-218-838-6335
Diane McLeod 701-355-8744

L 96-98

KLJ
1463 I-94 Business Loop East
PO Box 290
Dickinson, ND 58602
701-483-1284 www.kljeng.com

TRIGONOMETRIC FORMULÆ

PROJECT
SHEET NO. OF
CALCULATED BY DATE
CHECKED BY DATE

VRS

CELL PHONE
GO TO "SETTINGS" ICON
CLICK "NETWORK & INTERNET"
CLICK "MOBILE HOTSPOT & TETHERING"
SLIDE BAR OVER NEXT TO "MOBILE HOTSPOT"
SHOULD TURN GREEN
IF YOU DON'T SEE YOUR NETWORK ON COLLECTOR (OR DON'T REMEMBER NAME), CLICK "SETUP MOBILE HOTSPOT" TO SEE NETWORK NAME, CLICK "SHOW PASSWORD" BOX FOR THE PASSWORD

DON'T NEED TO MESS WITH THIS

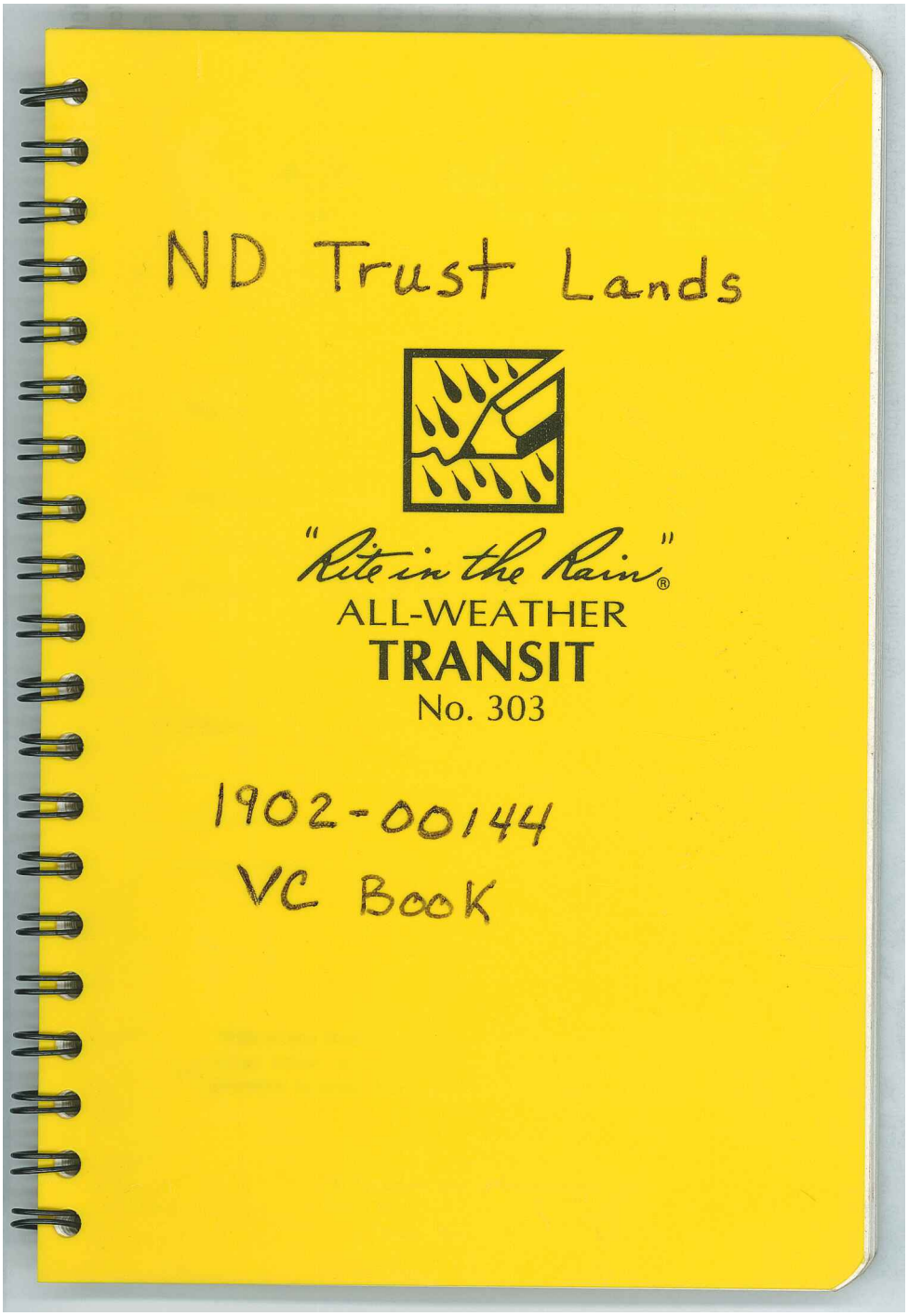
COLLECTOR
CLICK WINDOWS BUTTON (TOP LEFT)
SCROLL TO "SETTINGS"
SCROLL TO "CONNECTIONS" FOLDER
CLICK "Wi-Fi"
CLICK YOUR NETWORK "VERIZON MOTO Z3 3790"
HIT "NEXT", HIT "NEXT", HIT "FINISH"
IT SHOULD NOW SAY "CONNECTING" & WAIT UNTIL IT SAYS "CONNECTED"
CLICK "OK" AT BOTTOM RIGHT
CLICK (X) AT " "
HIT "MEASURE"
"VRS"
"MEASURE POINTS"

Slope d... / Vert. Angle
Rise
Horizontal distance

Horizontal distance = 319.4 X .9959 = 318.09 ft.
Horizontal distance also = Slope distance minus slope distance times (1—cosine of vertical angle). With the same figures as in the preceding example, the following result is obtained. Cosine 5°10' = .9959. 1—.9959 = .0041. 319.4 X .0041 = 1.31. 319.4—1.31 = 318.09 ft.

When the rise is known, the horizontal distance is approximately:—the slope distance less the square of the rise divided by twice the slope distance. Thus: rise = 14 ft., slope distance = 302.6 ft. Horizontal distance = $302.6 - \frac{14 \times 14}{2 \times 302.6} = 302.6 - 0.32 = 302.28$ ft.

MADE IN CHINA


ND Trust Lands
"Rite in the Rain"®
ALL-WEATHER
TRANSIT
No. 303
1902-00144
VC Book

T 154 N - R 101 W

PRS 45 17 92 27 44 96 VRS

60000 NE SEC ✱ 25-154-101
A 60000 Fd #5 RBR, 0.2' below grnl. surface
Doc#'s 37 & 767168

60001 EQCOR ✱ 24-154-101
A 60001 Fd. 1½" BC @ ℄ intersection
ND 1804 & Dakota Parkway
Doc# 767166

60002 WCCOR ✱ NE 24-154-101
A 60002 Fd. "T" iron S. of corner location
Doc# 629827

60003 WCCOR ✱ NE 24-154-101
A 60003 Fd #5 RBR W. of corner location
Doc # 629827

60004 NWSEC ✱ 24-154-101
A 60004 Fd. 2" AC LS 1241 Flush w/ conc.
Doc#'s 86 & 767167

F. Liebold
R. Kainz 10/15/19 Cloudy ±40° NW 5-15 mph ①

60005 NQCOR ✱ 24-154-101
A 60005 Fd. #4 RBR, 0.1 below asp.
Doc#'s 87 & 629826

60006 MON ✱ COE
A 60006 Fd. "T" iron w/ cap

~~60007~~
~~A 60007~~

A 300001 } CHK ✱ 300001
B 300001 }

A 11394 } CHK ✱ 11394
B 11394 }

100002 No Control @ location
Possibly 300001 or 11394

7881 } Gone
11395 }

"Rite in the Rain"

T 154 N - R 101 W

PRS 45179 22744 96

RK 101619A CHK ≠ 300001
H 0.023, V 0.050

60007 NQCOR ≠ 23 - 154 - 101
A60007 Fd. small PK Nail
Doc#'s 53, 749168

60008 NWSEC ≠ 23 - 154 - 101
A60008 Fd. PK Nail
Doc#'s 27 & 749181

60009 NQCOR ≠ 22 - 154 - 101
A60009 Fd. 1" pipe w/ OPC LS 7540
1" above grnd.
Doc#'s 14, 29, 749179 & 816786

60010 NWSEC ≠ 22 - 154 - 101
A60010 Fd. OPC LS 3638 Flush w/ grnd
Doc#'s 19, 32, 74, 749182, & 765413

F. Liebold
R. Kainz 10/16/19
P. Cloudy
±60
②

60011 NQCOR ≠ 21 - 154 - 101
A60011 Fd. PK Nail @ ℄ of E-W Rd.
Doc#'s 698371, & 765

60012 NWSEC ≠ 21 - 154 - 101
A60012 Fd. PK Nail
Doc#'s 61 & 785872

60013 WQCOR ≠ 21 - 154 - 101
A60013 Fd. PK Nail
Doc#'s 64, 67, 73, 78, & 785874

60014 SWSEC ≠ 21 - 154 - 101
A60014 Fd. 1½" AC unreadable
2" below asp. / ℄ Front St.
Doc#'s 23, 54, 65, 75, & 749172

60015 WQCOR ≠ 28 - 154 - 101
A60015 Fd. 3¼" AC BLM 1988
Doc# 35, DEPENDANT RE-SURVEY
BLM 1988

60016 NQCOR ≠ 28 - 154 - 101
A60016 Fd. 2" AC unreadable
2" below asp. / 1.5' S. ℄ Front St.
Doc# 698372

"Rain in the Rain"

T 154N - R101W

Cont.

60017 WQCOR ≠ 23-154-101
A60017 Fd. #4 RBR & E-W Street
Doc# 25

60018 WQCOR ≠ 22-154-101
A60018 Fd. PK Nail/Head Sheared
Doc#'s 28, 76, 749175, & 785873

60019 SWSEC ≠ 29-154-101
A60019 Fd #5 RBR, 0.8' below asp surface
Doc#'s 34, 40, 42, 77, & 794815

10/16/19 (3)

"Rite in the Rain"

T 154 N - R 101 W

PRS 4517 922 74/96

RK 101719A

60020 SWSEC ✗ 22-154-101
A60020 Fd. 2" AC LS 8441, 0.1' below grnd.
Doc#'s 36, 749173, &

60021 NWSEC ✗ 29-154-101
A60021 Fd. ~~✗~~ 1½" AC unreadable, 0.6'
below asp. surface / ℄ Frant St.
Doc#'s 22, 46, 5131, & 749171

60022 WQCOR ✗ 29-154-101
A60022 Fd 2" AC (Oakland), 0.6'
below asp surface / ± 4' W ℄ N-S Rd.
Doc#'s 418 & 673340

60023 NQCOR ✗ 29-154-101
A60023 set #5x18" RBR w/ 2" AC
B60023 Stamped KLJ LS 8441, 0.1' below
asp. surface / SP per 1988
resurvey

F. Liebold
R. Kainz
10/17/19
P. Cloudy
±60
(4)

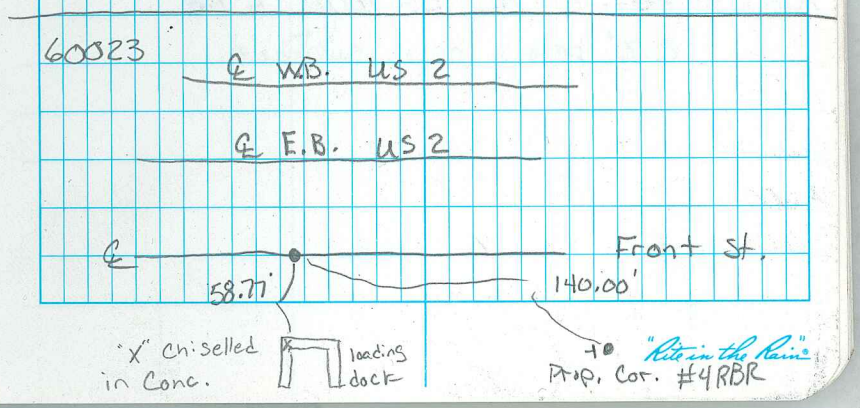
60024 PCR ✗
A60024 Fd. #4 RBR

60025 CSEC ✗ 29-154-101
A60025 Fd. 3¼" AC BLM 1988

60026 PCR ✗
A60026 Fd. # RBR

60027 16 COR ✗ CS 29-154-101
A60027 Fd. 3¼" AC BLM 1988

60023



T 154 N - R 101 W

Cont.

A 5977
B 5977
} CHK 5977

A 23
B 23
} CHK 23

60028 SQ COR ✱ 31-154-101
A60028 Fd. #4 RBR, 0.4' below grvl.
Doc # 18

60029 SW SEC ✱ 31-154-101
A60029 Fd. 2" AC LS 6261 @ the asp. ✱ edge
Doc #'s 33,802 198, & 851104

60030 SE SEC ✱ 36-154-102
A60030 Fd. 2" AC LS 6261 @ Rd.
0.2' below asp. surface

10/17/19

(5)

"Rite in the Rain"®

T154N – R100W

PRS 451792274496

FL102219A CHK ✓ 300001
H 0.042 V -0.023

60031 NWSEC ✓ 20-154-100
A60031 Fd. OPC LS 6703

60032 NWSEC ✓ 20-154-100
A60032 Fd. 3½" pipe 1.5' NW of 60031

60033 NQCOR ✓ 19-154-100
A60033 Fd. #5 RBR S. of conc. post

60034 NQCOR ✓ 29-154-100
A60034 Fd. YPC LS1195

F. Liebold 10/22/19 (6)

60035 CSEC ✓ 29-154-100
A60035 Fd. #4 RBR

60036 EQCOR ✓ 29-154-100
A60036 Fd. #5 RBR w/ YPC (Partial)

"Rite in the Rain"®

T154N - R100W

PRS 4517922 744916

FL 102319A CHK# 300001 H 0.022, V -0.045

60037 NQCOR x 20-154-100
A60037 Fd. #5 RBR

60038 NESEC x 20-154-100
A60038 Fd. #8 RBR, 2.0' below grvl. surface

60039 EQCOR x 20-154-100
A60039 Fd. 2" AC, 0.1' below asp. LS 7591

60040 SESEC x 20-154-100
A60040 Fd. OS w/ notches, RBR on E. side

60041 SESEC x 29-154-100
A60041 Fd. #4 RBR 1.6' below grvl. surface

F. Liebold 10/23/19 P. Cloudy ±40 (7)

60042 NESEC x 33-154-100
A60042 Fd. OS, 1.0' below grnd. w/ AC LS 11130 S. of stone

60043 NQCOR x 33-154-100
A60043 Fd. #4 RBR

"Rite in the Rain"

T154N - R100W

PRS451792274496

RK102919A CHK ± 300001
H 0.032 V -0.046

60044 WQCOR ± 20-154-100
A60044 Fd. 2" AC, 0.1' below conc., LS7591

60045 MON ± COE
A60045 Fd. "T" iron

60046 WQCOR ± 29-154-100
A60046 Fd. BC 0.8' below surface

60047 EQCOR ± 33-154-100
A60047 Fd. OS w/ RBR on E&W sides

60048 SESEC ± 33-154-100
A60048 Fd. 2½" AC LS76664

F. Liebold
R. Kainz
10/29/19
Cloudy
±15° F
W 10-15 mph.
(8)

60049 WCCOR ± 33-154-100 SE
A60049 Fd. #4 RBR & 4" post
4 visable pits NE, NW, SE & SW

60050 NESEC ± 30-154-100
A60050 Fd #4 RBR

"Rite in the Rain"

T154N - R101W

PRS 4517922 74496

RK 103019A CHK ✗ 23A H ,V

60051 C SEC ✗ 31 - 154 - 101
A60051 Fd. 2" AC LS 6408

60052 NQCOR ✗ 31-154-101
A60052 Fd. 2" AC LS 8088
Doc#'s 21, 794814, & 814111

60053 NWSEC ✗ 31 - 154 - 101
A60053 Fd MAG Nail
Doc#'s 7, & 786235

F. Liebold
R. Kainz

10/30/19

Clear
± 25

(9)

"Rite in the Rain"

T154N - R101W
T153N - R102W

PRS 45179227449%

RK103119A CHK'd A23

60054 SQ COR ✓ 32-154-101
A60054 Fd. 2½" BC, 194?

60055 SQ COR ✓ 12-153-102
A60055 Fd. ½ pipe

F. Liebold
R. Kainz
10/31/19

(10)

"Rite in the Rain"

T154N - R101W
T153N - R101W

PRS 45179227449/6

RK110519A CHK # 60020
H 0.009, V 0.044

60056 SESEC # 22-154-101
A60056 Fd. 2½" AC LS1222
Roughly marked
Doc#'s 36, & 749173

21 | 22
28 | 27

60057 SQCOR # 22-154-101
A60057 Fd. #4 RBR
Doc#'s 707397, & 749170

60058 SQCOR # 29-154-101
A60058 Fd. 3¼" AC BLM 1988

60059 WC COR # E¼ 6-153-101
A60059 Fd 2½" AC LS7538

F. Liebold
R. Kainz. 11/05/19 (11)

60060 SESEC # 6-153-101
A60060 Fd. 2" AC LS4654

60061 SQCOR # 6-153-101
A60061 Fd. 2½" AC LS7538

"Rite in the Rain"

T 153N - R 101W

PRS 45 17 22 74 96

RK 110619A CHK # 60060 H 0.012, V 0.002

60062 EQCOR # 7-153-101
A60062 Fd. 2" AC LS3592

60063 CSEC # 8-153-101
A60063 Fd. 2" AC LS 3592

A9689 NWSEC # 17-153-101
Fd. 3 1/4" AC BLM

A 15011 MC # 18/17 153-101 2 1/2" BC

60064 SQCOR # 17-153-101
A60064 Fd. 3/4" pipe

60065 SQCOR # 5-153-101
A60065 Fd. 2" AC LS 3592

F. Liebold
R. Kainz
11/06/19
P. Cloudy
± 20
12

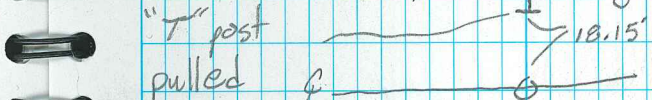
60066 SESEC # 8-153-101
A60066 Fd. 2" BC 8/17 9/16

60067 SESEC # 5-153-101
A60067 Fd. #5 RBR

60068 SQCOR # 4-153-101
A60068 Fd. #4 RBR

60069 SESEC # 4-153-101
A60069 Fd. 1 1/2 I.D. Pipe

60070 SQCOR # 3-153-101
A60070 Fd. 1" pipe, 2.5' below grnd.
B60071 set #5x18" RBR w/ 2" AC
LS 8441, 0.4' below grnd.



"Rite in the Rain"

T153N - R101 W

PRS 45179227 4496

IRK110719A CHK B60070
H 0.011 V -0.040

60071 EQCOR x 4 - 153 - 101
A60071 Fd. 2½" BC, 1' deep

60072 EQCOR x 15 - 153 - 101
A60072 Fd. OS ¼ Marked on W.

60073 SESEC x 15 - 153 - 101
A60073 Fd. 1½" AC

F. Liebold
R. Kainz
11/07/19
Clear
±10
(13)

"Rite in the Rain"