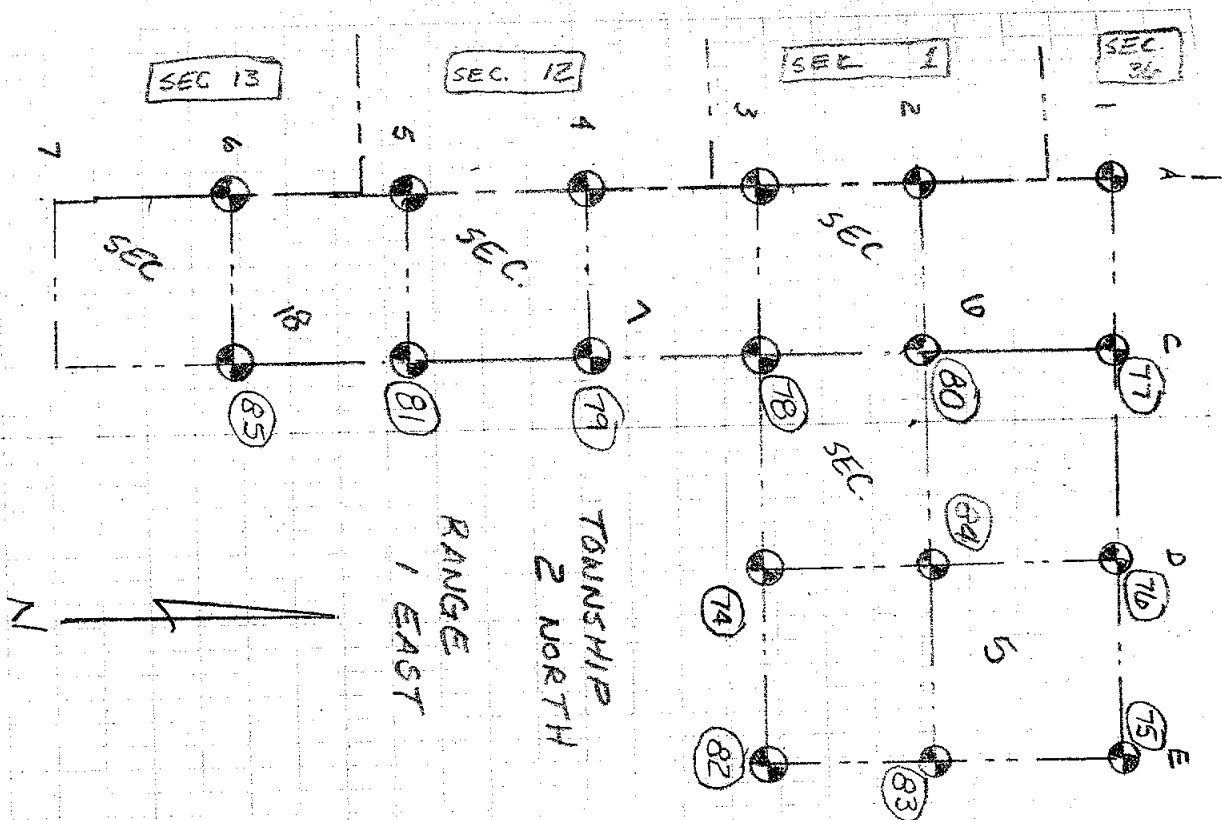


2005 Ingham Co. Remem
 Gradiatic Designs Inc.
 10739 Bond Road
 Delwitt, MI 48820

David J. Vandenbergh, P.S.
 Gilbert M. Burch, P.S.

Equipment

4. Calibrated Leica GPS Real time receiver
- 1 - TC 500 Total Station
1. Calibrated 100' STEEL TAPE



74

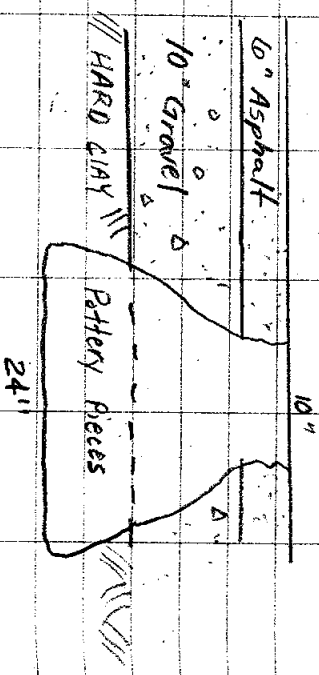
D3 - T2N, R1E
SOUTH 1/4 COR. SEC. 5

DIV - GMB

N42 85°	110.40	SET N/T IN S. FACE 24" OAK
N42 195°	25.55	FO KEBS N/T E. FACE 10" DEAD ELM
N42 255°	53.12	FO N/T #18998 IN AT. FACE OF 30' ELM
N42 313°	103.61	SET N/T IN SW FACE OF 30" MAPLE
N42 326°	37.85	FO KEBS N/T IN NE FACE 12" SILVER MAPLE
N42 358°	33.00	FO 1/2" BAC. MEHIEU #28414

Existing Monument 16-Feb-2005
1 1/4" x 1 1/4" x 18" STEEL BAR

OFFSET POINT IN 3 Directions of Excavated Point. Found Pottery shards at a Depth of 1.5 feet AT The base of the old Gravel road bed. Continued excavating to a depth of 2.5 feet and found pieces of Pottery w/o definition. Held center of Ed. STEEL BAR AS FAITHFUL REPERCUSSION.



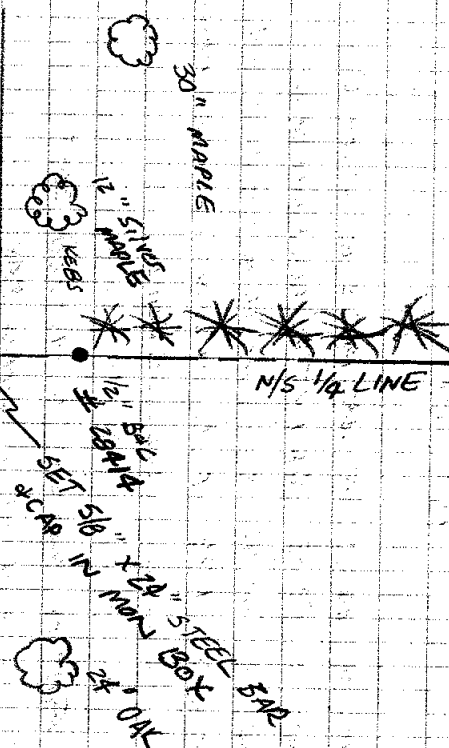
SOUTH 1/4 COR. SEC. 5, T2N, R1E

KEBS
18998
30" ELM

10" DEAD ELM

Columbia Road

SOUTH LINE SEC. 5



75

E1 - T2N, R1E
 Northeast Corner of Sec 5
 DU - GME 13-Feb-05

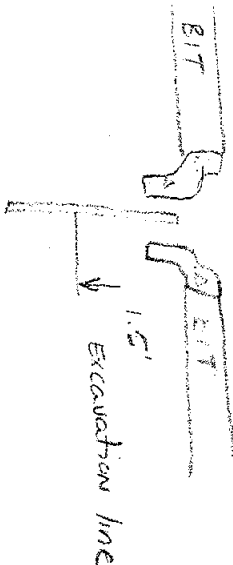
1994

NAZ 232° 111.05' Accolade NAT in the E. face of U. Pole
 NAZ 150° 40.42' Reb NAT on the W. face of a 16" pipe
 NAZ 46° 61.95' Top center of a telephone pole
 NAZ 370° 1.79' FD 1/2" B&C W&G Co. Remon plastic cap (Damaged)

NAZ 325° 50.54' E Edge of Stop Sign Base

Existing monument Found 1/2" x 3/8" x 1/2" steel bar in concrete monument box. Corner carbonate calls for concrete monument. Excavated to a depth of 1.5 feet to the base of the old roadway and did not find evidence of a concrete mon

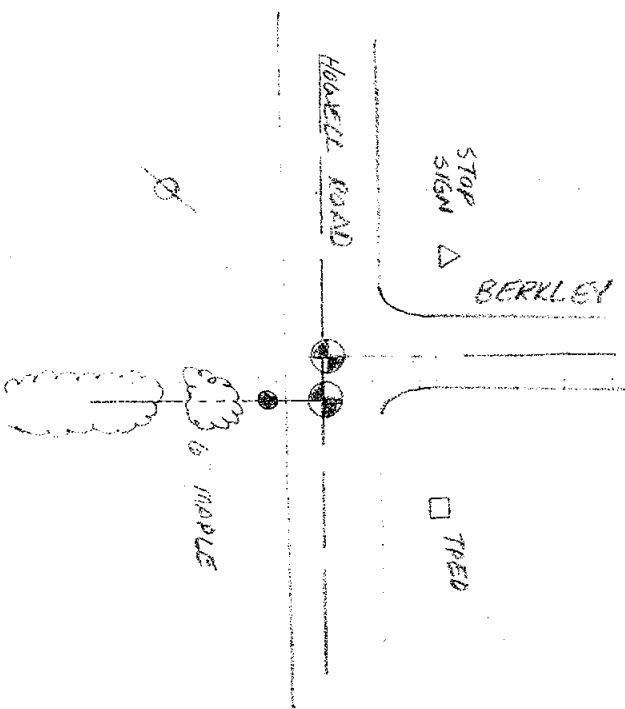
Checked existing outcrops & Added New ones.
 Held B&C a faithful perpetuation



Point is 1.9 NW 1/4 - S2' E. of Berkeley

23.98' To Pipe in Line. As witnessed by Accolade

Area lies within a small fill section. Did not excavate due to poor excavation conducted by Ing Co. Remon in 1980.



01 - T2N, RIE

NORTH 1/4 COR. SEC. 5 18-Feb-05

011-6118

Found concrete monument in a parking lot box
NAT 1° 31.17' FO NOT #20414 IN THE FACE OF A

16 Dec 1964

NAZ 13° 52.06' SET NWY IN THE E. END of 13' W. IN 13'

NAZ 30° 98.05' EONAT ± 18998 m S face of a 24' ^{bed} mnt

NAZ 178 127.20 SET NAUT IN THE W. face of a. 24 Elm

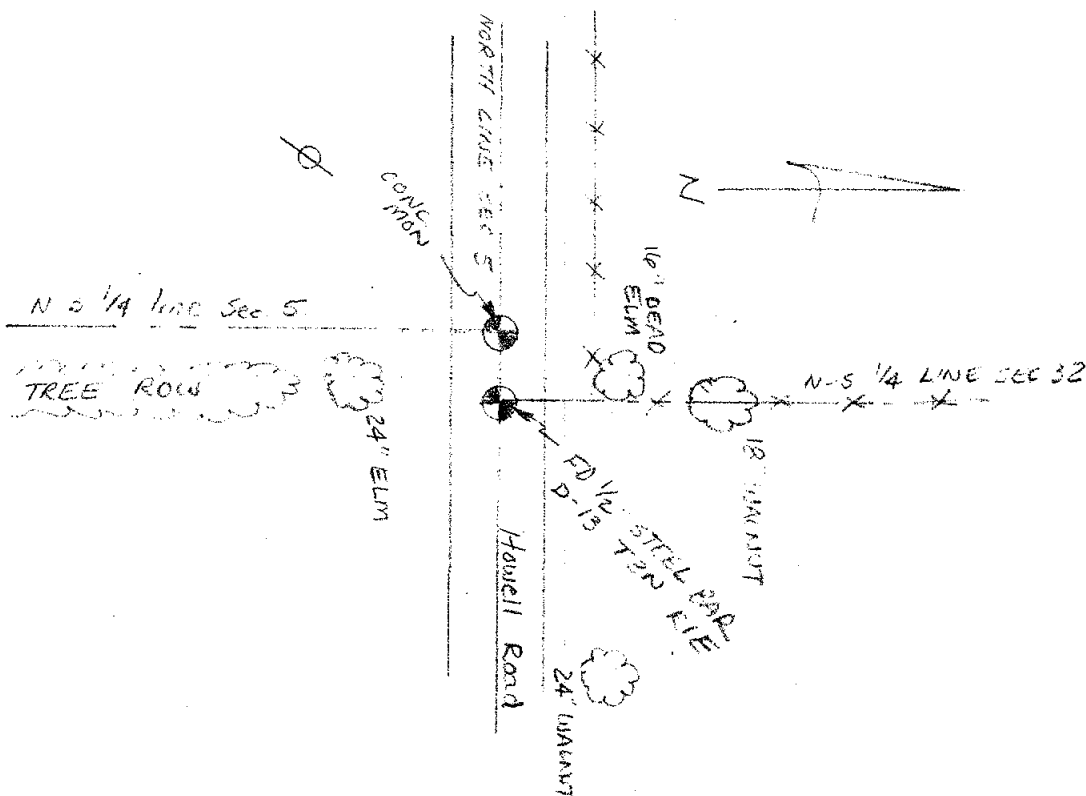
NAZ 222° 131.68' FD P.K. Nail in the NW face of U. Pole

Loc. 0.4' S. of E. House Rd.

NAZ 90° 8.54' FO 12' FAR 5 1/4 of Sec. 32 T3N, R1E

FD. Cone. floor in a concrete collar. Corner was set by Ron Lester # 18998 during a County re-survey station project in Dec. 1980. Corner is recorded as lost and the site was previously estimated to a depth of 2' within an area of 23.5' x 11.0 feet.

Held corner as faithful protection



77

C1 - TZN - R1E

NW COR. SEC. 5

DIV GMB 18-Feb-05

FD 1/2" steel bar in asphalt shoulder of
Meridian Road. Area lies in a 3-4'
fill section in a swampy area.

(L4, P0179)

According to Boss LREC, Gary Boss set the steel bar
at the road end, falling west of the standard car
for the SE Cor of Sec 30, T3N, R1E. Held
point as the best available evidence for the
original position. Boss certificate also states that
the point is on line between the corners measuring
the standard line.

NAZ 215° 95.44' FD NAT #28414 in SE face of U. Pole

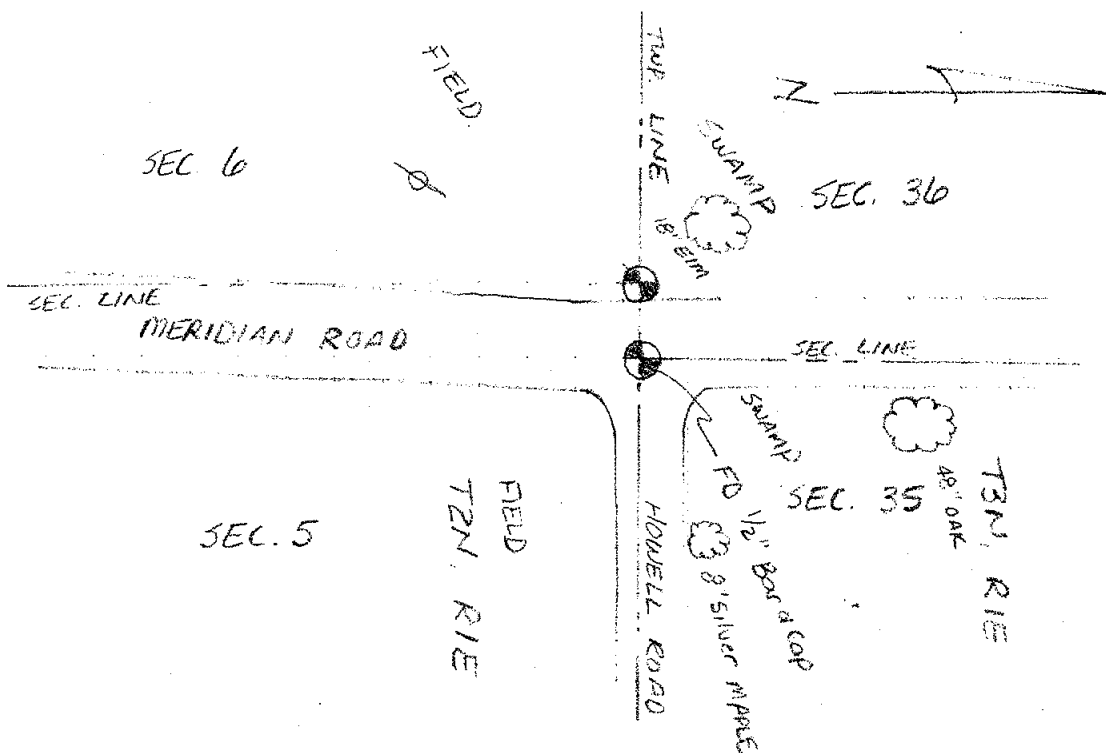
NAZ 296° 26.31' FD NAT #20414 in S face of 18" Hickory

NAZ 23° ~~74.32~~ 74.32' FD NASHNER (SET NAT Below) in W. face
145.04' of an 48" OAK

NAZ 70° 126.45' SET NAT in S face of 8" ASPEN

NAZ 95° 21.12' FD 1/2" BAR & CAP in NW COR
(SEE COR SEC 30, T3N, R1E)

NO EXCAVATING OR LOST THE DEPTH OF FILL
SECTION. WITH WILL BE REVIEW OF COR ROAD



C-3 T2N, R1E

SW Cor. Sec. 4

LNU-GME 18-FEB-2005

FD 1/2" Pipe and Steadman cap in Mon. Box
Area lies w/in a slight cut section

NAZ 275° 47.8' FD NAT 11370 in N. face U.Pole

NAZ 335° 62.60' FD KEBS NAT in a turn 24'

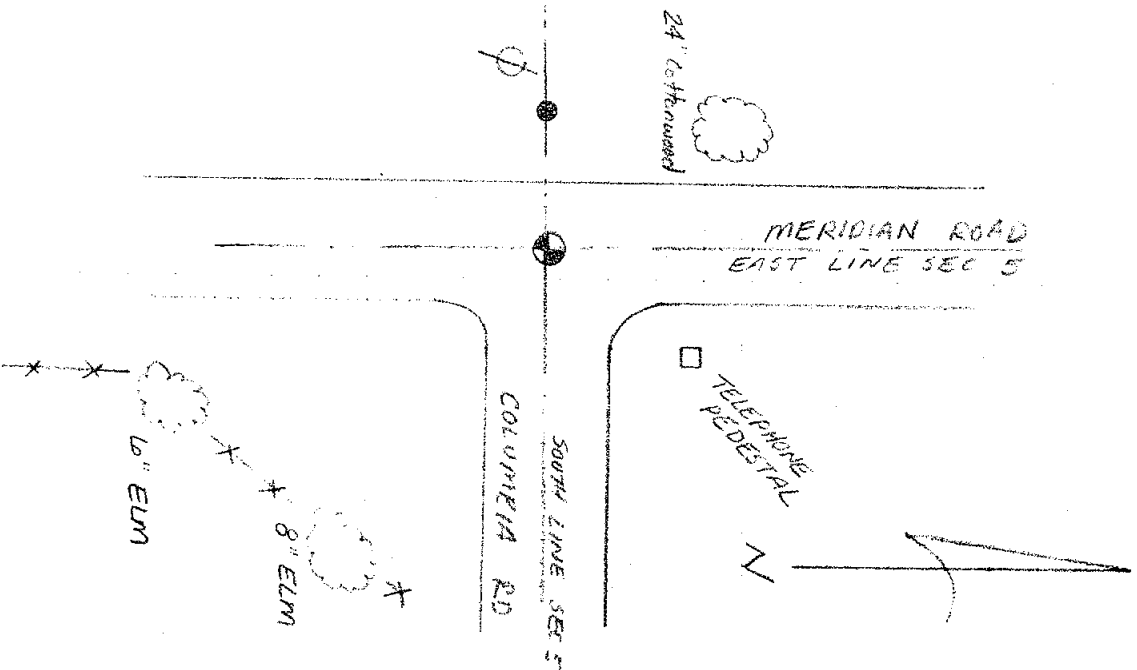
Cottowood

NAZ 46° 42.88' Top center of Telephone pole and

NAZ 127° 88.31' FD NAT # 28414 in N. face 8" Elm

1152 400° 75.11' SET NAT in NE face of 6" Elm

NAZ 170° 32.73' FD PIPE 4' (1152/5125)



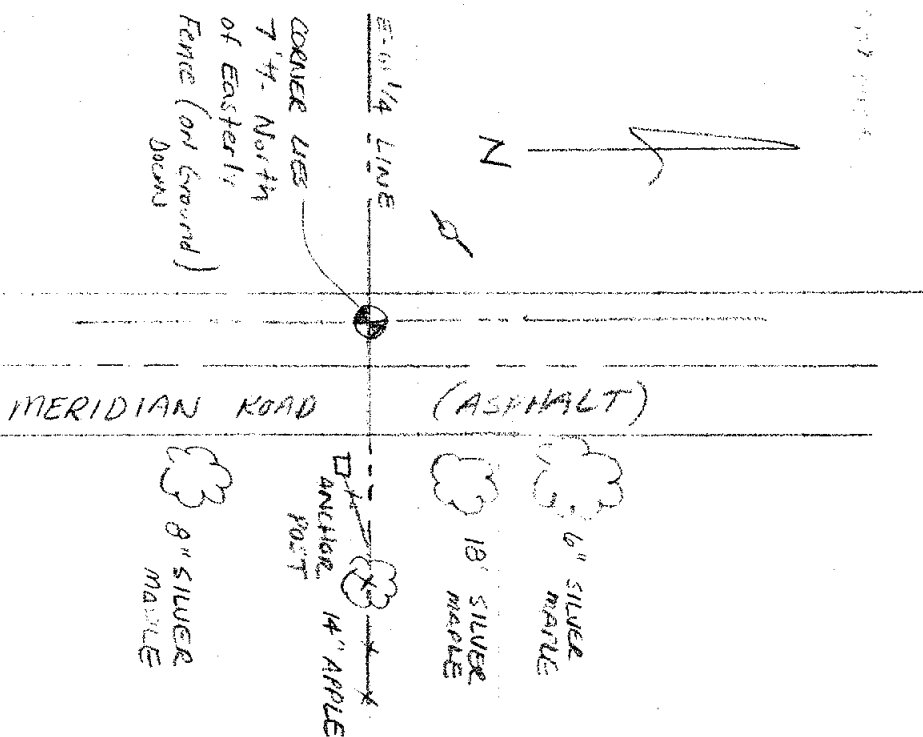
C-4 T2N R1E

W 1/4 C&E SEC 10

18 Feb 2005

FD 1/2" Pipe & Cap (Steedman) in Row Box
 Area lies in a slight fill section 41.0.4 ft
 Point lies 7' to West of Centerline on East

NAZ 326° 28.34' K&E NAT NE face of section
 NAZ 360° 79.54' FD NAT 28414 in 4th 18' SILVER
 NAZ 47° 02.42' FD NAT 28414 in 4th 18' SILVER
 NAZ 93° 00.62' FD NAT 28414 in N. face 14" APPLE
 NAZ 102° 41.85' FD K&E NAT in S. face 14" APPLE
 NAZ 147° 73.72' FD K&E NAT in surface 8' SILVER



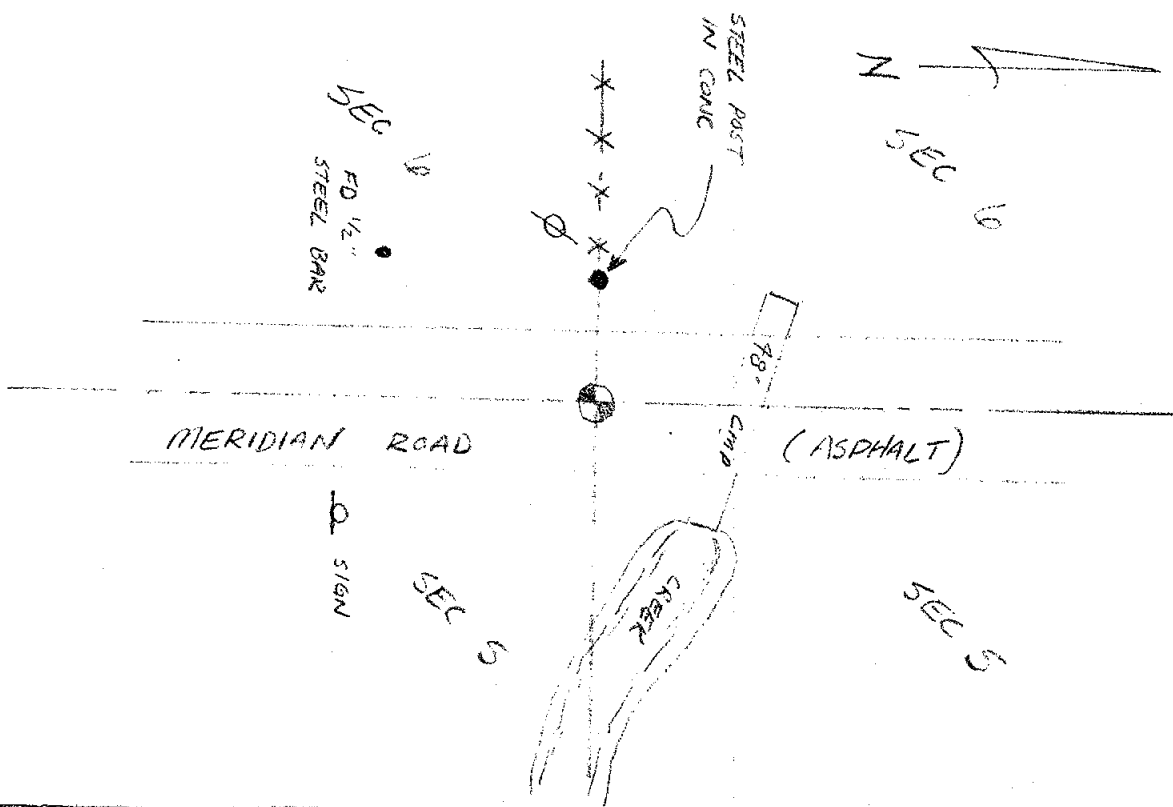
C-2

T2N-R1E WEST 1/4 SEC 5
DNV GME 23-5-6-2005

FD 1/2" STEEL BAR (NO CAP) IN monument box in the physical centerline of Meridian Road. According to witnesses recorded by Ron Lester, P.E. This area was established from witnesses provided by Ron's Engineering who originally witnessed a found P.K. Nail. Corner has a good fence line and a drain along the section line to the East.

Area lies within a 2 foot 4" fill section. Witnesses recorded in L. 4 pg 181 are not located except for a found 1/2" steel bar Southwest. Did not excavate point.

NAZ 66° 40.64 SET NUT IN TOP CENTER OF 48" CIRC. 10
NAZ 330° 57.01' SET NUT IN TOP CENTER 48" ELIP CIRC. 10
NAZ 273° 36.16' SET NUT NORTH FACE 48" ELIP
NAZ 211° 72.93' FD 1/2" STEEL BAR
NAZ 171° 123.11' SIGN POST (NO NOT FOUND)
NAZ 178° 27.10' FENCE POST IN CONC. (STEEL NUT &)



81

C.S. TEN. R. 16

SUM COR OF SEC. 7

INV GME 23-706-2005

FD 1/2" STEEL PIPE IN MONUMENT BOX WITH
CAP # 11370. CORNER SET BY STEEDMAN & BOVE
FOUND CLAY TILE, WOOD STAKE & STONE MARKED
AS RECORDED IN BOOK 4, PAGE 20 OF RECORDS.

Held point as faithful copy of
Existing monument

NAZ 275' 26.44' FD NO. 11370 IN S. FACE 1 POINT
NAZ 66' 50.05' FD RECORDED IN S. FACE ^{wood} ~~stone~~ MARKED FOR
NAZ 86' 103.70' FD NOT RECORDED IN S. FACE 12' THICK
NAZ 114' 145.67' SET NOT IN N. FACE 8' THICK
NAZ 330' 25.47' FD CORNER (SEE RECORD BOOK)

SEC 7

SOUTH LINE SEC. 7

SEC 13

MERIDIAN ROAD

(ASPHALT)

BROWN ROAD

(GRAVEL)

SEC 7

N

EO3 T2N, R1E

SW Car. Sec. 7

DJV GMB 28-Feb-05

FD 1/2" STEEL BAR IN ALPHACET 4' +/-

SOUTH OF THE CENTERLINE OF COLUMBIA RIVER CORNER WAS SET BY Austin C. Williams per L. S. 1927 OF CORNERS WITHIN 2.30 Feet OF THE NEARLY Distance of a Survey by W. A. Rowe, Co. Surveyor in 29-Apr-1896

Held car as a faithful perpetration
of the crime using a recent witness.
Set standard Roman bar - type

NAZ 87. 140.32 PD NT # 189935. face 36" OAK

MAZ 65" 45.74 AD NIT #2844 SE face 34" oak

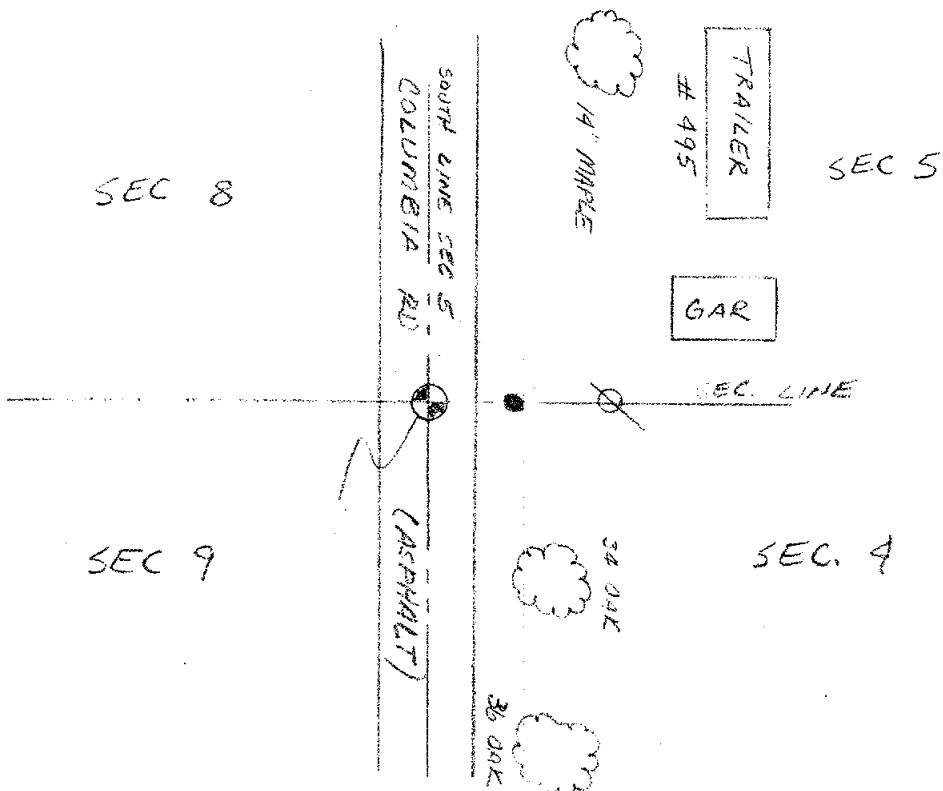
MAZ 357' 64.61 " "E. side of U. Pole.

NAZ 2960' 157.15 SET NUT S. face of a 14" Maple

NAZ 357 19.42 FD NAIL SET BY ASAC BBS

SE of Sec. 1

A1 TRAILER 2495



E02 EAST 1/4 SEC 5
T2N, R1E
JUL. GMB 01. MAR-05

FD 1/2" BARE CAP #18998 Per recorded
witnesses in L. & R. 377 of corners. Point
1/2" within the side slope of Deer Creek
Apex & east of the top of bank

DID NOT EXCAVATE DUE TO LOCATION w/in
CUT SECTION OF CREEK.

Replaced Found Corner with STANDARD
measuring CO. REMON SARE #47942.

NAZ 188° 60.00 SET NUT IN W. face of 25" ASH

NAZ 200° 39.67° FD NUT NW face of 28" ASH #18978

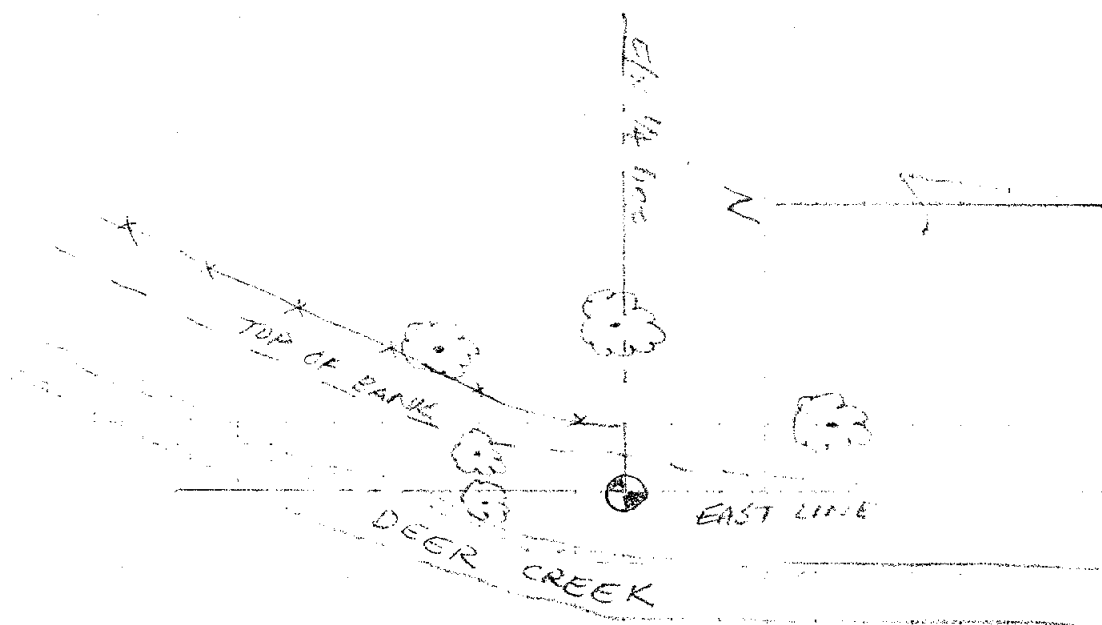
NAZ 210° 44.51° SET NUT IN NW face of 28" ASH

NAZ 255° 22.52° FD NUT #18998 NW face of 28" ASH

NAZ 345° 9.56° FD CAP NUT #18998 NW face of 28" ASH
ELM (10")

NAZ 10°

50.55 SET NUT IN E face of 12" ELM



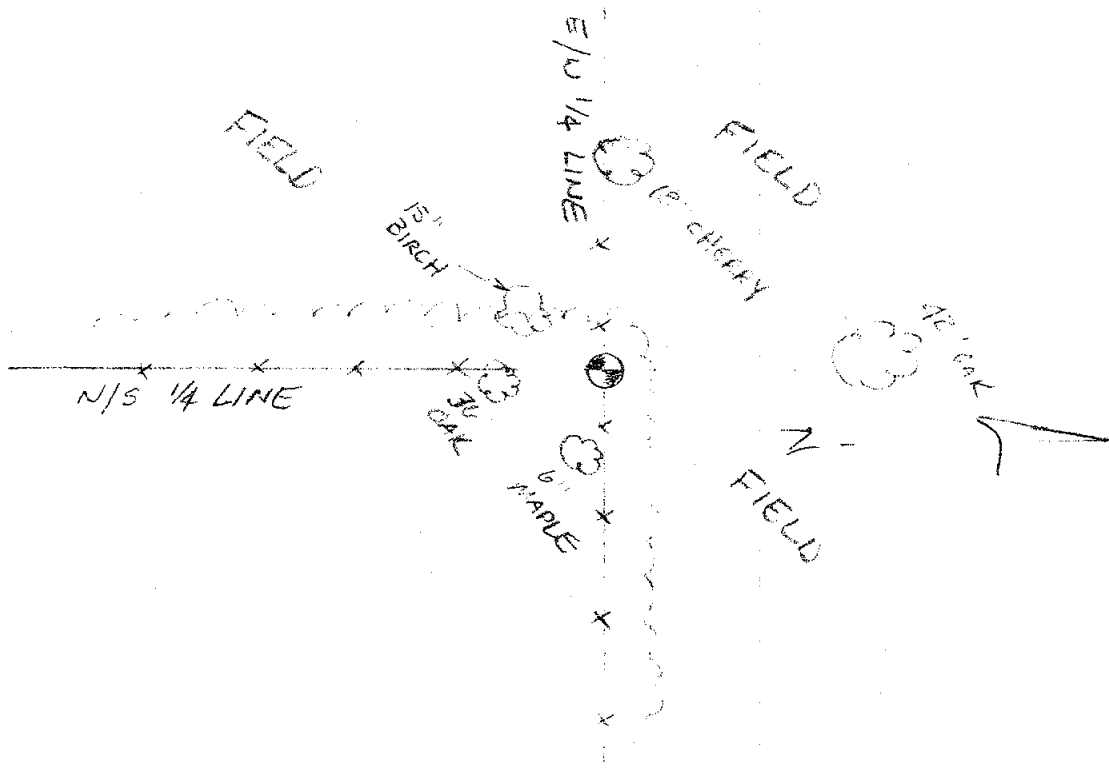
Center of Section
DOZ GIVE 10V
Survey MAR 02

72 1/2' Easting "BESS" Along the
contoured fence line and a fence line
extended south.

Excavated 7.5' West and found Nothing
(possible location)

Excavated the found box 1 cm.
found stone mound w/ white broken
pottery & glass. Similar to evidence
found at the South 1/4 for at Sec 5.
(003) Held Boss Box as final
perturbation.

NUT	DIST	DOCS
105	6.5	6.5 11.10.00 #28414
102	10.5	26.01.00 "
275	39.49	18.01.00 CHEERY
212	37.43	SET 10.01.00 15.01.00
10	15.05	00.01.00 18.01.00 42.01.00



E 1/4 Sec. 18

504

6000 DIV 11 Apr 25

FD 1/2" stone in road bed. in the center of Abraham Road. Point lies along a fence line to the East

The Area is within a 4.6' fill Section. No excavation conducted

Held for 12 hours as faithful protection of record

- 1442
- 72° 99.32 SET NAT in N. face 15' corner
- 104° 95.02 FD NAT & 29414 in W. face 8' DALL
- 235° 30.80 FD NAT & 29414 in E face 21 pole
- 99° 34.90 FD NAT KEYS in NW face 15' corner
- 95° 30.25 FD NAT & 18498 in Top of NW 1/4

11/1/25

