CULBERSON COUNTY ROLLED SKETCH 48 & 48A
(Flat Folder)
Re-survey of P.S.L. Blks. 109, 110, 111, 113, 114 & 115
By- Cities Service Petroleum Company
August - September 1960
(Filed for information contained)

CONTENTS:
1 - Ltr. of transmittal
2 - Surveyors' Report
3 - Map - New Map 9/24/62
4 - Calculation Sheets - New C. Sheets "

48 A. Calculations - see Rolled Sk. 53

Counter 15339

D-789

CITIES SERVICE PETROLEUM COMPANY

CITIES SERVICE BUILDING
BARTLESVILLE, OKLAHOMA

SEPTEMBER 21, 1962

RECEIVED
SEP
General Land Office

HONORABLE JERRY SADLER
COMMISSIONER, GENERAL LAND OFFICE
AUSTIN, TEXAS

DEAR MR. SADLER:

ON MARCH 28, 1961, I SUBMITTED COPIES OF A MAP AND REPORT OF A SURVEY IN CULBERSON COUNTY, TEXAS, WHICH WAS MADE BY THE SURVEYORS OF THE CITIES SERVICE PETROLEUM COMPANY OF BARTLESVILLE, OKLAHOMA, UNDER MY SUPERVISION FOR THE PURPOSE OF DETERMINING THE TRUE LOCATION OF PUBLIC SCHOOL BLOCKS 109-110-111-113-114 AND 115, CULBERSON COUNTY, TEXAS. THIS SURVEY INFORMATION WAS PRESENTED TO THE GENERAL LAND OFFICE AS A PUBLIC SERVICE SO THAT ALL SURVEYORS IN THE AREA COULD BENEFIT FROM THIS WORK. WE HAVE SINCE DISCOVERED A SMALL COMPUTING ERROR ALONG THE SOUTH LINE WHICH INFLUENCES ALMOST EVERY SECTION IN THE ABOVE MENTIONED BLOCKS. THIS ERROR HAS NOW BEEN CORRECTED, AND ATTACHED IS A CORRECTED MAP AND COPIES OF THE I. B. M. CALCULATION SHEETS. I ASK THAT YOU DESTROY THE MAP AND CALCULATION SHEETS NOW IN YOUR FILES, SUBSTITUTING THE ENCLOSED DATA. THE REPORT WITH THE ORIGINAL FILE IS STILL GOOD AND APPLIES TO THIS DATA.

WE REGRET THAT THIS ERROR OCCURRED, BUT ARE HAPPY THAT WE FOUND IT AND WERE ABLE TO CORRECT IT. WE HOPE IT HAS NOT INCONVENIENCED ANYONE.

SINCERELY YOURS,

Irving H. Webb

IRVING H. WEBB
CHIEF SURVEYOR

ENCLOSURE

SB

counter #5417

X'

August 20, 1968

Mr. Joseph W. Luchini
P. O. Box 1666
Midland, Texas

Dear Sir:

The survey report and map of your survey of Public School Land Blocks 45 and 109 through 115 in Culberson and Reeves counties has now been examined and all of the original & patented field notes on file in this office subjected to a complete analysis.

These land office records reveal that the sections in Blocks 109, 110 and 111, 113, 114 and 115 are either all patented, or being held on the Parker field notes, or corrected field notes based upon the reconstruction from the original Parker corners.

Public School Block 112 was re-surveyed by Fred P. Armstrong in 1963 and patents were issued upon his corrected field notes.

Public School Block 53 was surveyed by State Surveyor R. S. Dod in 1911 and this survey is recognized by the land office as the legal location for this block.

Public School Block 45 was not surveyed originally but was designated by Dennis Corwin as embracing an area 6 miles E. to W. and 8 miles N. to S. The first officially recognized survey of this block by the land office was made by W. L. Rider in 1926. The Rider survey begins off the North line of the Dod survey of P.S.L. Block 53. The patents to sections 1, 4, 11, 24 and 25 are tied to the Rider I.P. corners. The remaining sections in Block 45 either belong to the State, are not patented, or if patented, appear to be located on the Rider construction of the block.

The construction of Public School Blocks 109, 110, 111, 113, 114 and 115 as reflected in the survey made by Irving H. Webb in August-September, 1960, and the survey made by Clifford C. Cool in May, 1968, which is reflected in his map filed in the land office as Culberson County Rolled Sketch 53, according to the records of this office will establish the lines and corners of the respective blocks and sections in accordance with Parker's survey.

The construction of Public School Block 45 from the North line of

counter 75918 4'

Block 53 and honoring the adjoiner calls with the East line of Blocks 111 and 113, the West line of Block C-21, the West line of T&P Ry. Co., Block 57, Tsp. 3, and the South line of Block 112, SF-8014, SF-8015 and SF-16154, which latter surveys call to tie to Rider corners, would appear to best conform to the patents and holdings within the block.

We have placed your map and report in the records of this office with the endorsements: "Filed for information contained.

If we can be of further assistance, please call upon this office.

Sincerely yours,

JERRY SADLER, COMMISSIONER

JS/ves

counter 45419 V2

CITIES SERVICE PETROLEUM COMPANY

D-87

FORMERLY NAMED

CITIES SERVICE OIL COMPANY

CITIES SERVICE BUILDING
BARTLESVILLE, OKLAHOMA

MARCH 28, 1961

RECEIVED
APR 6 1961
General Land Office

8

HON. JERRY SADLER
COMMISSIONER
GENERAL LAND OFFICE
AUSTIN 14, TEXAS

No enclosures.
I. B. m.

DEAR MR. SADLER:

I RESPECTFULLY SUBMIT HEREWITH COPIES OF MAP AND REPORT OF A SURVEY IN CULBERSON COUNTY, TEXAS, WHICH WAS MADE BY THE SURVEYORS OF THE CITIES SERVICE PETROLEUM COMPANY OF BARTLESVILLE, OKLAHOMA UNDER MY SUPERVISION, FOR THE PURPOSE OF DETERMINING THE TRUE LOCATION OF PUBLIC SCHOOL BLOCKS 109, 110, 111, 113, 114 AND 115, CULBERSON COUNTY, TEXAS.

THIS INFORMATION IS PRESENTED TO THE GENERAL LAND OFFICE AS A PUBLIC SERVICE TO ENABLE ALL SURVEYORS IN THE AREA TO CORRELATE THEIR SURVEYS.

SINCERELY YOURS,

Irving H. Webb

IRVING H. WEBB
CHIEF SURVEYOR

Envelope has: Mr. Vic Sterzing

2

1

File No. 48

CULBERSON County

ROLLED SKETCH

Filed April 6 1961

JERRY SADLER, Com'r

By V. E. Herzing

counter 45421

CITIES SERVICE OIL COMPANY

FORMERLY NYMED

CITIES SERVICE PETROLEUM COMPANY

CITIES SERVICE BUILDING

BARTLESVILLE, OKLAHOMA

MARCH 28, 1961

RECEIVED

APR 6 1961

General Land Office

HON. JERRY SADLER

COMMISSIONER

GENERAL LAND OFFICE

AUSTIN 14, TEXAS

DEAR MR. SADLER:

I RESPECTFULLY SUBMIT HEREWITH COPIES OF MAP AND REPORT OF A SURVEY IN CULBERSON COUNTY, TEXAS, WHICH WAS MADE BY THE SURVEYORS OF THE CITIES SERVICE PETROLEUM COMPANY OF BARTLESVILLE, OKLAHOMA UNDER MY SUPERVISION, FOR THE PURPOSE OF DETERMINING THE TRUE LOCATION OF PUBLIC SCHOOL BLOCKS 109, 110, 111, 113, 114 AND 115, CULBERSON COUNTY, TEXAS.

THIS INFORMATION IS PRESENTED TO THE GENERAL LAND OFFICE AS A PUBLIC SERVICE TO ENABLE ALL SURVEYORS IN THE AREA TO CORRELATE THEIR SURVEYS.

SINCERELY YOURS,

CHIEF SURVEYOR

IRVING H. WEBB

Irving H. Webb

8

RECEIVED
MAR 28 1961
General Land Office

REPORT ON THE SURVEY OF PUBLIC SCHOOL LAND BLOCK 113 AREA CULBERSON COUNTY, TEXAS - 1960

File No. _____
_____ County
_____
Filed _____ 19 _____
JERRY SADLER, Com'r
By _____

REPORT

THIS REPORT CONSISTS OF THE FOLLOWING:

1. PLAT OF THE AREA TO THE SCALE OF 1" = 1000 VRS
2. REPORT
3. IBM CALCULATION SHEETS

PURPOSE

THE PURPOSE OF THIS SURVEY WAS TO BE ABLE TO LOCATE P.S.L. BLK. 113 AND ANY SECTION CORNER DESIRED PROPERLY UPON THE GROUND SO THAT OIL OPERATIONS ON OUR LEASES COULD BE CARRIED ON AS DESIRED.

DATA

THE DATA FOR THIS SURVEY CONSISTED OF CERTIFIED COPIES OF FIELD NOTES, BOTH ORIGINAL AND CORRECTED, SKETCHES AND REPORTS FROM THE SKETCH FILES, ROLL SKETCH FILES AND ANY OTHER PERTINENT DATA THAT COULD BE FOUND IN THE GENERAL LAND OFFICE, AUSTIN, TEXAS. DATA WAS GATHERED ON ALL OF BLK. 113, PORTIONS AS NEEDED OF BLKS. 114-115-107-108-109-110-111-42-52-45-112. T AND P BLKS. 59-60-61-62 ALL T.2 SOUTH, AND UNIVERSITY BLK. 46. DATA WAS ALSO STUDIED IN THE GENERAL LAND OFFICE ON BLKS. 96-97-100-101-103 AND 104.

FROM THE COMPANY FILES, COPIES OF OUR LEASES WERE FURNISHED. TRIANGULATION DATA FROM THE U.S.C. AND G. SURVEY WAS GATHERED SO THAT THE SURVEY OF THIS AREA COULD BE TIED INTO THE NATIONAL TRIANGULATION NET.

counter 45423 A'

Culberson Co Rd Sk 48+48A

EQUIPMENT USED

TRIANGULATION WAS ALL PERFORMED WITH A WILD T-2 THEODOLITE WHICH READS DIRECTLY TO ONE SECOND. ALL ANGLES IN PRIMARY TRIANGULATION WERE TURNED EIGHT POSITIONS WITH ANY ANGLE PLUS OR MINUS FIVE SECONDS OF THE MEAN OF THE EIGHT POSITIONS BEING THROWN OUT AS A REJECT AND RETURNED.

SECONDARY TRIANGULATION WHICH INCLUDES SIDE SHOTS, SHORT BASE TRIANGULATION, AND SUSTENSE BAR SHOTS WERE 4 POSITION SHOTS WITH ANY POSITION BEING REJECTED IF IT WAS NOT CONSISTENT WITH THE OTHER READINGS.

ON TRAVERSE WORK, A WILD T-1 WAS USED. THIS INSTRUMENT READS DIRECTLY TO ONE MINUTE AND ONE TENTH OF A MINUTE BY ESTIMATION. ALL TRAVERSE WAS RUN BY THE DOUBLE CENTER TACK POINT METHOD. THIS METHOD IS DESCRIBED BRIEFLY AS FOLLOWS: ON P.O.T. LINES A POINT IS SET BY PLUNGING THE TELESCOPE, THE INSTRUMENT IS THEN ROTATED 180 DEGREES, ANOTHER POINT BEING SET. (ONE POINT WITH THE TELESCOPE DIRECT, ONE WITH IT REVERSED). THE TACK THEN BEING PLACED HALF WAY BETWEEN THE TWO POINTS. ANGLES ARE MEASURED BY DOUBLING THE ANGLE WITH THE TELESCOPE DIRECT AND REVERSED. TRAVERSE WAS CARRIED FORWARD BY THE NORMAL PROCESSES OF CHAINING WITH A 50 VARA TAPE IN GOOD REPAIR, PLUMB-BOBBING WHERE NECESSARY. MUCH TRAVERSE WAS CONDUCTED BY SHORT BASE TRIANGULATION WITH THE BASE NEVER LESS THAN A 20 TO 1 RATIO. ANGLES WERE READ ON THIS TYPE TRAVERSE WITH A WILD T-2 THEODOLITE. THE BASES WERE MEASURED CAREFULLY IN SOME INSTANCES BY SUSTENSE BAR WHERE ON SLOPES, AND THOSE ON THE E. LINE OF UNIVERSITY BLK. 46 BEING LATER VERIFIED BY TAPE.

HISTORY OF THE AREA

A STUDY OF THE FIELD NOTES FROM THE GENERAL LAND OFFICE DISCLOSED THAT THE BASIC CONTROL FOR THE RECONSTRUCTION OF BLK. 113 WAS RATHER MEAGER. IT WAS FOUND THAT SURVEYOR A. H. PARKER PUT IN AS A UNIT BLKS. 109-110-111-112-113-114 AND 115 IN OCTOBER OF 1900. IN THIS WHOLE AREA A STUDY OF THE FIELD NOTES DISCLOSES PARKER ONLY SET A TOTAL OF TWELVE MONUMENTS. SIX OF THESE BEING ON THE SOUTH LINE OF BLK. 110 AND THE REMAINING SIX ON THE WEST LINE OF BLKS. 109 AND 115. IT IS MY CONJECTURE THAT THE RUN ALONG THE SOUTH LINE OF BLKS. 110 WAS STARTED FROM THE McCOMB-PARKER MONUMENT AT THE N.W. CORNER OF T AND P BLK. 60 - T. 5 S. AS HE

counter 45927 A2

SET MONUMENTS GOING UP THE E. LINE OF BLKS. 101-103 AND 108 AND CONTINUED ALONG THE S. LINE OF BLK. 110 TO ITS S.E. CORNER. THE RUN ALONG THE W. LINE OF BLKS. 115 AND 109 BEGAN AT THE McCOMB-PARKER MONUMENT AT THE S.W. CORNER OF T AND P BLK. 61, T. 2 S. RUNNING THENCE SOUTH FIVE MILES.

BLOCKS 59 T AND P RY. T.2 S. WAS SURVEYED BY KEUCHLER OCTOBER 7, 1878. BLOCK 60, OCTOBER 8TH AND BLK. 61, OCTOBER 11, 1878. PAUL McCOMB'S RESURVEY NOTES WERE WRITTEN NOVEMBER 3, 1884.

BLOCKS 42 AND 52 WERE SURVEYED BY R. S. DOD IN JUNE, 1911.

UNIVERSITY BLK. 46 SURVEYED BY F. F. FRIEND IN SEPTEMBER, 1936; IT HAVING BEING DESIGNATED PREVIOUSLY BY DENNIS CORWIN IN 1884.

BLOCK 45 WAS ORIGINALLY DESIGNATED BY DENNIS CORWIN IN 1884 BUT WAS NOT TAKEN BY THE UNIVERSITY WITH NO FIELD NOTES IN THE INTERIOR OF THE BLOCK BEING FILED. THE INDIVIDUAL SECTIONS WITHIN THIS BLOCK HAVE BEEN SURVEYED BY VARIOUS SURVEYORS.

BLOCKS 107-108-103-104-101 WERE ALL SURVEYED BY PARKER IN OCTOBER, 1900.

BLOCKS 96-97-98 AND 100 WERE SURVEYED BY PARKER IN NOVEMBER, 1900.

THE C. M. TINNIN PRE-EMPTION AT HORSESHOE SPRING BY A. H. PARKER, JULY 29, 1897. THIS BEING LOCATED IN BLK. 113. THE G. B. TINNIN PRE-EMPTION NO. 87 WAS SURVEYED BY SAM H. WADE, MARCH 2, 1885. SURVEY NO. 86 BEING MADE THE SAME DATE. THESE BEING THE RUSTLER SPRING PRE-EMPTIONS IN BLK. 110.

A. H. PARKER SURVEYED THE FOLLOWING:

BLK. 100	NOVEMBER, 1900	BLK. 107	OCTOBER, 1900
BLK. 101	OCTOBER, 1900	BLK. 96	NOVEMBER, 1900
BLK. 103	OCTOBER, 1900	BLK. 97	NOVEMBER, 1900
BLK. 104	OCTOBER, 1900	BLK. 98	NOVEMBER, 1900
BLK. 108	OCTOBER, 1900		

RECONSTRUCTION OF THE AREA

IN ORDER TO PROPERLY LOCATE ANY SECTION CORNER OR POINT IN PARKER'S BLOCKS NUMBERED FROM 109 TO 115, IT BECOMES EVIDENT THAT IT WOULD ENTAIL THE RELOCATION OF PARKER'S TWELVE CORNERS IN ORDER TO PROPERLY RECONSTRUCT THE AREA. IN ADDITION,

Culberson Co RM SK H84 H8A

county 45425 A3

THE SOUTH LINE OF T AND P BLOCKS 59-60 AND 61-T.2.S. AS LOCATED BY McCOMBS' RESURVEY OF 1884, WOULD HAVE TO BE DETERMINED. THE S.E. CORNER OF BLK. 59 BEING PARTICULARLY IMPORTANT AS THE N.E.C. OF BLK. 113 AS "BEGINNING AT THE S.E.C. OF TSP. NO. 2, BLK. NO. 59 T AND P RY. THENCE EAST 829 VRS TO THE INSIDE CORNER OF SURVEY NO. 6, BLK. 112." THE CALLS FOR ADJOINER WITH THE P.S.L. BLKS. 45 ON THE E. 42 AND 52 ON THE S. ARE CALLS IN NAME ONLY AS THESE BLOCKS HAD NOT BEEN SURVEYED ON THE GROUND IN 1900. THE SAME BEING TRUE OF UNIVERSITY BLK. 46 AS DESIGNATED BY DENNIS CORWIN. BLOCKS 107 AND 108 ARE PARKER BLOCKS WHOSE FIELD NOTES WERE ALSO WRITTEN IN OCTOBER OF 1900. AN INSPECTION OF THE FIELD NOTES OF THE W. LINES OF BLKS. 96-101-103 AND 108 THE SAME BEING THE E. LINE OF BLKS. 97-100-101 AND 107 SHOWS THAT PARKER DID NOT SET ANY CORNER ON THE GROUND BETWEEN THE N.W. CORNER OF BLK. 96 AND THE S.W. CORNER OF SEC. 7, BLK. 109.

FROM THE RECORD, THE RECONSTRUCTION OF BLKS. 109-110-111-113-114 AND 115 WOULD BE AS FOLLOWS: THE GROUND POSITION OF THE SIX MONUMENTS ALONG THE W. LINE OF BLKS. 115 AND 109 WOULD CONTROL THE POSITION OF SEC. 7-8-21 AND 22 BLK. 115 AND SEC. 7 BLK. 109. THE S.W. CORNER OF BLK. 109 WOULD BE DETERMINED BY THE PRORATED DISTANCE BETWEEN THE S.W. CORNER SEC. 7, BLK. 109 AND THE N.W. CORNER OF BLK. 96. THE N.E. CORNER OF BLK. 113 IS POSITIONED BY ITS CALL OF BEING EAST 829 VARAS FROM THE S.E. CORNER OF BLK. 59 T AND P RY., T. 2 S. THE LOCATION OF ALL THE SECTIONS ALONG THE N. LINE OF BLKS. 113-114 AND 115 WOULD BE CONTROLLED BY THE S.B.L. OF T AND P. BLOCKS 59-60 AND 61 DISTANCES BEING PRORATED ALL ALONG THIS LINE.

THE WEST LINE OF BLKS. 110 AND 114 SAME BEING THE E. LINE OF BLKS. 109 AND 115 WOULD BE DETERMINED BY A LINE RUNNING FROM THE ORIGINAL CORNER AT THE S.W. CORNER OF BLK. 110 TO THE PRORATED POINT FOR THE N.W. CORNER OF BLK. 114 ON THE S.B.L. OF T AND P BLK. 60.

THE WEST LINE OF BLKS. 113 AND 111 SAME BEING THE E. LINE OF BLKS. 110 AND 114 WOULD BE DETERMINED BY A LINE FROM THE ORIGINAL CORNER AT THE S.E. CORNER OF BLK. 110 TO THE PRORATED POINT FOR THE N.W. CORNER OF BLK. 113 ON THE S.B.L. OF T AND P BLK. 59.

THE S.B. LINE OF BLK. 111 WOULD BE LOCATED BY GOING EAST THE CALL DISTANCE (SIX MILES) FROM THE ORIGINAL S.E. CORNER OF BLK. 110. THE S.B. LINE

Culberson Co Ltd Sk 48 & 48A

counter 45426

A4

of Blk. 109 would be located by beginning at the prorated S.W. Corner of Sec. 22, Blk. 109 thence East to intersection with the W.B.L. of Blk. 110. This intersection point will be the N.W. Corner of Sec. 30, Blk. 110.

The E.B.L. of Blks. 111 and 113 would be a line between the N.E. Corner of Blk. 113 which is East 829 varas from the S.E. Corner T and P Blk. 59, T.2 S. and the point for the S.E. Corner of Blk. 111 which is six miles East of the original S.E. Corner Blk. 110.

The length of the West line of Sec. 30, Blk. 110 as determined by the distance between the original S.W.C. of Blk. 110 and the intersection of the S. line of Blk. 109 with the W. line of Blk. 110, this being the N.W. Corner of Sec. 30, Blk. 110 would be carried to the E. line of Blk. 111 which would position then N.E. Corner of Sec. 25 Blk. 111. The remaining distance between the N.E. Corner of Sec. 25, Blk. 111 to the N.E. Corner Blk. 113 would be prorated.

North and South lines of Blks. 109, 115, 111 and 113 would extend between prorated distances for section corners on the S. lines of Blks. 109 and 111 to prorated distances for section corner on the N. lines of Blks. 115 and 113.

The N. and S. lines of Blks. 114 and 110 would extend between prorated distances for section corners on the N. line of Blk. 114 to the six original corners on the S. line of Blk. 110. The distance between the S.W. Corner Sec. 30 to the S.E. Corner Sec. 29 being prorated.

The E and W lines of Blks. 115, 114, 113 would be determined by lines being run between the five original Parker Corner on the W. line of Blk. 115 to the prorated corner on the E. line of Blk. 113.

The north tier of sections in Blks. 109, 110, and 111 will be determined by running a line from the original Parker Corners at the N.W. and S.W. corners of Sec. 7, Blk. 109 to the prorated S.E. and N.E. corners of Sec. 1 Blk. 111. The South three tiers of Sections in Blk. 109 running East through Blks. 109, 110 and 111 would run from prorated corners on W. line of Blk. 109 to prorated corners on the E. line of Blk. 111.

Culberson Co. Rld Sk 48+48A

counter 45427 A5

THIS PROCESS OR METHOD WILL GIVE A LOGICAL AND CONSISTANT RECONSTRUC-TION WHICH IS THE SAME AS THE METHODS ACCEPTED BY THE COURTS IN THE RECON-STRUCTION OF THE T AND P BLOCKS AND OTHER BLOCKS.

SURVEY

THE SURVEY WAS MADE AS FOLLOWS BUT NOT NECESSARILY IN THE ORDER DESCRIBED. TRIANGULATION STATIONS "CASTILE," LOCATED IN SEC. 13 BLK. 114, "MARSH" LOCATED IN SEC. 9 BLK. 45, "PINNACLE" LOCATED IN SEC. 10 BLK. 115, WERE ALL OCCUPIED AND FLAGGED WITH TARGETS. THESE TRI STATIONS WERE THE FOUNDATION OF THE SURVEY. FROM STATION "CASTILE" CONTROL WAS CARRIED SOUTH BY TRIANGULATION TO THE SOUTH LINE OF BLK. 110 WHERE TRAVERSE WAS RUN IN A WESTERLY DIRECTION ALONG THE SOUTH LINE OF BLK. 110 PICKING UP PARKER'S ORIGINAL CORNER AT THE S.E. CORNER OF SEC. 25, S.W. CORNER OF SEC. 25, 26, 27, 28 AND 30. TRAVERSE WAS THEN RUN EAST ALONG THE S. LINE OF BLK. 111 TO ITS S.E. CORNER PICKING UP VARIOUS CORNERS OF BLK. 52 AS LOCATED BY SURVEYOR DOD. NO TRAVERSE WAS RUN ALONG THE E. LINE OF BLKS. 111 AND 113.

FROM TRI STATION "PINNACLE" CONTROL WAS CARRIED TO THE ORIGINAL N.W. CORNER OF BLK. 115 AND THE S.W. CORNER OF T AND P. BLK. 61. THIS IS A McCOMB CORNER. TRAVERSE WAS THEN RUN FROM THE N.W. CORNER OF BLK. 115 IN A SOUTHERLY DIRECTION FIVE MILES PICKING UP PARKER'S ORIGINAL CORNER AT THE N.W. CORNER OF SEC. 1 THE S.W. CORNER SEC. 1, SEC. 8 - 21 AND 22 BLK. 115 AND S.W. CORNER SEC. 7 BLK. 109.

OTHER WORK TRIANGULATION AND TRAVERSE WAS DONE BUT THIS DESCRIBES THE WORK DONE TO ESTABLISH THE CONTROL FOR THE RECONSTRUCTION OF THE AREA OF INTEREST. A LATER REPORT WILL DESCRIBE IN DETAIL THE WORK PERFORMED AND WHAT WAS FOUND AT EACH OF THE PARKER'S CORNERS.

IRVING H. WEBB
CHIEF SURVEYOR
CITIES SERVICE PETROLEUM COMPANY
REG. PUB. SUR. No. 150 TEXAS

counter 15928 A6

File No. 48

County CULBERSON

Rolled Sketch

Filed April 6 1961

JERRY SADLER, Com'r

By [illegible]

Surveyor's report

SKETCH

THE SURVEY WAS MADE AS FOLLOWS BUT NOT NECESSARILY IN THE ORDER DESCRIBED. TRIANGULATION STATIONS "CARAFE", LOCATED IN SEC. 43 BLK. 71, "MAUSH", LOCATED IN SEC. 8 BLK. 62, "PINNACLE", LOCATED IN SEC. 10 BLK. 71, WERE ALL OCCUPIED AND LABORED WITH ANGLES. THESE TRI STATIONS WERE THE FOUNDATION OF THE SURVEY. FROM STATION "CARAFE", COURSE WAS CARRIED SOUTH VIA TRIANGULATION TO THE SOUTH LINE OF BLK. 110 WHERE TRAVERSE WAS RUN IN A WESTERLY DIRECTION ALONG THE SOUTH LINE OF BLK. 110 PICKING UP PARKER'S ORIGINAL CORNER AT THE S.E. CORNER OF SEC. 32, S.W. CORNER OF SEC. 33, 32, 31, 30 AND 29. TRAVERSE WAS THEN RUN EAST ALONG THE S. LINE OF BLK. 111 TO THE S.E. CORNER PICKING UP AVALON CORNERS OF BLK. 25 AS LOCATED BY SURVEYOR SEC. NO TRAVERSE WAS RUN ALONG THE E. LINE OF BLKS. 111 AND 112.

FROM TRI STATION "PINNACLE" COURSE WAS CARRIED TO THE ORIGINAL N. W.

CORNER OF BLK. 112 AND THE S.W. CORNER OF T AND P. BLK. 61. THIS IS A RECORD COURSE. TRAVERSE WAS THEN RUN FROM THE N.W. CORNER OF BLK. 112 IN A SOUTHERLY DIRECTION WITH ANGLES PICKING UP PARKER'S ORIGINAL CORNER AT THE N.W. CORNER OF SEC. 1 THE S.W. CORNER SEC. 1, SEC. 8 - 71 AND 55 BLK. 112 AND S.W. CORNER SEC. 7 BLK. 109.

OTHER WORK TRIANGULATION AND TRAVERSE WAS DONE BUT THIS DESCRIBES THE WORK DONE TO ESTABLISH THE CONTROL FOR THE RECONSTRUCTION OF THE AREA OF INTEREST.

A LATER REPORT WILL DESCRIBE IN DETAIL THE WORK PERFORMED AND WHAT WAS FOUND AT EACH OF THE PARKER'S CORNERS.

IRVING H. WEBB
CHIEF SURVEYOR
CITIES SERVICE PETROLEUM COMPANY
MCC. TWP. BLK. NO. 120 TEXAS

2

COUNTER 82262

TEXAS & PACIFIC RAILROAD COMPANY

T S P 2

BLK. 62 | BLK. 61 | BLK. 6 | BLK. 59 | BLK. 58 | BLK. 112

BLK. 115 | BLK. 114 | BLK. 113

BLK. 109 | BLK. 110 | BLK. 111

BLK. 108 | BLK. 42 | BLK. 52 | BLK. 53 | BLK. 96

UNIVERSITY BLK. 46 | BLK. 45

Seal called S.L.

see Sketch in 149460 for P.O.B. location

Void per letter dated 9/29/61

Void per letter dated 9/29/61

Void per letter dated 9/29/61

CITIES SERVICE PETROLEUM CO

SCOUT RANCH AREA

PUBLIC SCHOOL LAND BLOCKS

109-110-111-112-114-115

CULBERSON COUNTY, TEXAS

RECEIVED
MAR 8 1962

File No. 48 - (Flat Folder)
CULBERSON County
ROLLED SKETCH
Filed April 6 1961
JERRY SADLER, Com'r.
By [illegible]

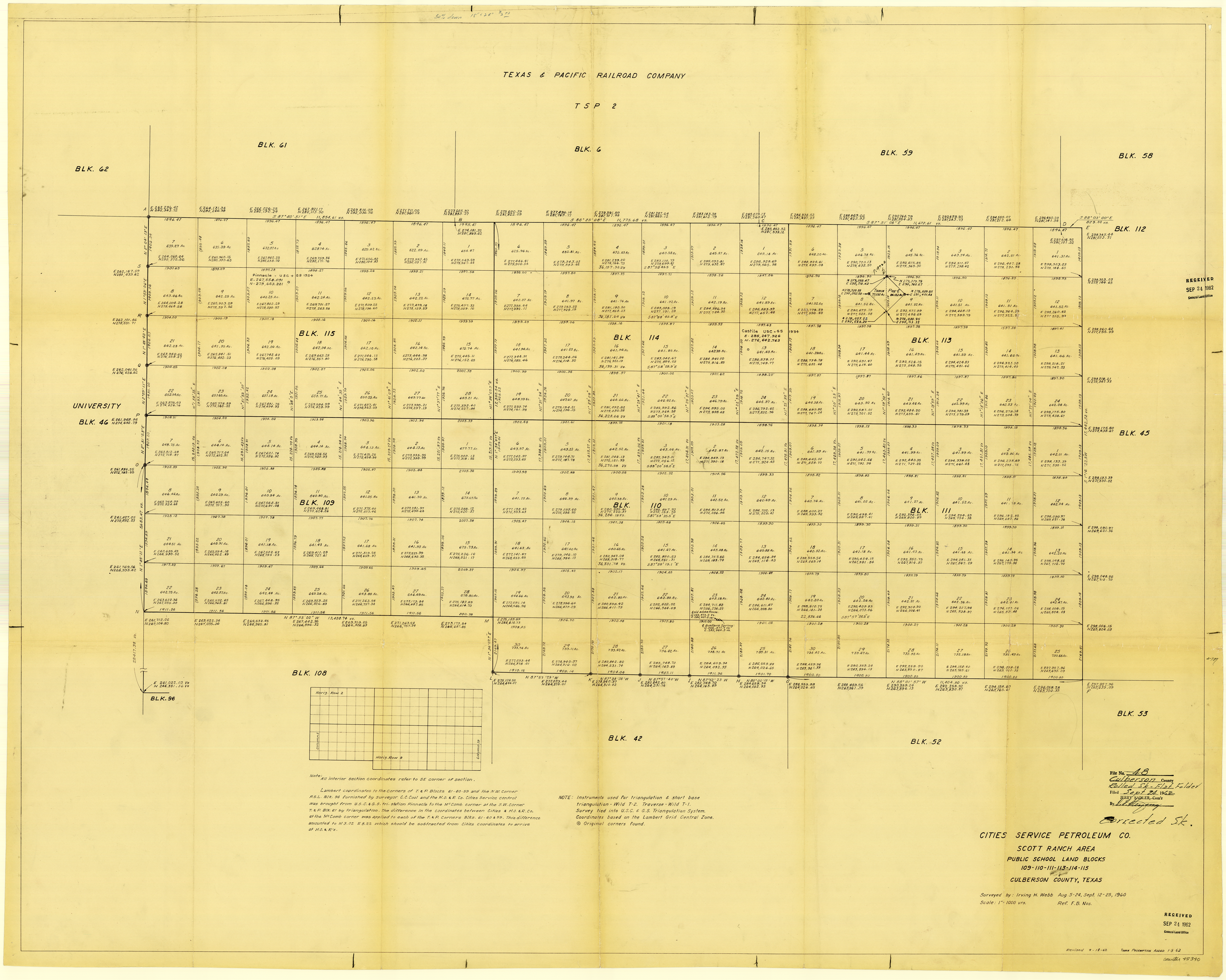
(3)

Void
See corrected
Sketch pursuant
Sept. 24, 1962

Counter 75929

BLK 23
BLK 42
BLK 115
BLK 28
BLK 25
BLK 111
BLK 110
BLK 114
BLK 108
BLK 109
BLK 112
BLK 91
BLK 96
BLK 44
UNIVERSITY
BLK 95

TEXAS & PACIFIC RAILROAD COMPANY
T 5 S
BLK C



Note: All interior section coordinates refer to SE corner of section.

Lambert coordinates to the corners of T. & P. Blocks 61-60-59 and the N.W. Corner P.S.L. Blk. 96 furnished by surveyor C.C. Cool and the H.O. & R. Co. Cities Service control was brought from U.S.C. & G.S. tri-station Pinnacle to the McComb corner at the S.W. Corner T. & P. Blk. 61 by triangulation. The difference in the coordinates between Cities & H.O. & R. Co. at the McComb corner was applied to each of the T. & P. Corners Blks. 61-60 & 59. This difference amounted to N 3.02 E 8.22 which should be subtracted from Cities coordinates to arrive at H.O. & R's.

NOTE: Instruments used for triangulation & short base triangulation - Wild T-2. Traverse - Wild T-1. Survey tied into U.S.C. & G.S. Triangulation System. Coordinates based on the Lambert Grid Central Zone. ◎ Original corners found.

File No. 48
Culberson County
Rolled Sk - Flat Folder
Filed Sept 24 1962
JERRY SADLER, Com'r
By [signature]

Corrected Sk.

CITIES SERVICE PETROLEUM CO.
SCOTT RANCH AREA
PUBLIC SCHOOL LAND BLOCKS
109-110-111-113-114-115
CULBERSON COUNTY, TEXAS

Surveyed by: Irving H. Webb Aug. 5-24, Sept. 12-25, 1960
Scale: 1" = 1000 vrs. Ref. F.B. Nos.

RECEIVED
SEP 24 1962
General Land Office

Revised 9-18-62 Tinnin Preemption Added 1-5-62

counter 45340

RECEIVED
MAY 28 1968
General Land Office

TEXAS & PACIFIC RAILROAD COMPANY

T S P 2

BLK. 62 | BLK. 61 | BLK. 60 | BLK. 59 | BLK. 58 | BLK. 112 | BLK. 45 | BLK. 53 | BLK. 52 | BLK. 42 | BLK. 108 | BLK. 96 | BLK. 46

UNIVERSITY

Pinnacle - USC & GS-1934
E-247,558.091
N-279,663.221

Cashla - USC & GS-1934
E 286,240.2
N 276,642.768

BLK. 115 | BLK. 114 | BLK. 113 | BLK. 111 | BLK. 110 | BLK. 109 | BLK. 107

TRIANGULATION STATION	LAMBERT COORDINATES* N	E
Ann (C.S.O. Co.)	278,630.36	297,409.59
Bird "	270,595.41	291,026.28
Castle (USC & G.S.)	276,642.78	285,240.73
Cities (C.S.O. Co.)	278,377.48	291,747.71
Hughes "	278,377.18	291,741.75
Ida "	275,721.51	288,084.15
Mt "	276,123.71	285,009.40
M.M. No.4 "		297,224.60
Min "	273,078.37	289,006.07
Rock "	270,973.00	297,023.08
Sal "	279,060.48	292,521.78
Sue "	277,813.87	285,442.94
Tat "	278,117.48	292,460.21
		288,915.08

*Note: Lambert Grid Coordinates of "Castle" are used as a base. Extension of the traverse from Bird and other stations (a Wild T-2 Theodolite (8 positions) Coordinates are determined by Surface measurements

Harris Row 2 | Harris Row 9 | Columbia | Columbia

Note: All interior section coordinates refer to SE corner of section.

Lambert coordinates to the Corners of T. & P. Blocks 61-60-59 and the N.W. Corner R.S.L. Blk. 96 furnished by Surveyor, C.C. Cool and the H.O. & R. Co. Cities Service control was brought from U.S.C. & G.S. tri-station Pinnacle to the Mt Comb. corner at the S.W. Corner T. & P. Blk. 61 by triangulation. The difference in the coordinates between Cities & H.O. & R. Co. at the Mt Comb corner was applied to each of the T. & P. corners Blks. 61-60 & 59. This difference amounted to N 3.02 E 8.22 which should be subtracted from Cities Coordinates to arrive at H.O. & R's.

NOTE: Instruments used for triangulation & short base triangulation - Wild T-2 Theodolite - Wild T-1. Survey tied into U.S.C. & G.S. Triangulation System. Coordinates based on the Lambert Grid Central Zone. © Original corners found.

Note: Lines which run N & S are named after the point on N. side of Grid. Lines which run E & W are named after the point on W. side of grid. Calc. for section area, bearing & dist. of all 4 lines are shown thus: Example: Sec 28 Blk 110, "Grid J9-170-171-184-183-170"

This plat shows key to Co-Go Computation System Grid.

Total Dist = 22,849.90 vrs

CITIES SERVICE PETROLEUM CO.

SCOTT RANCH AREA

PUBLIC SCHOOL LAND BLOCKS

109-110-111-113-114-115

CULBERSON COUNTY, TEXAS

Surveyed by: Irving H. Webb Aug. 5-24, Sept. 12-25, 1960

Scale: 1" = 1000 vrs. Ref. F.B. Nos. 1266

Revised 9-18-62 Tissue Preservation Added 1-5-62

counter 75900

RECEIVED
MAR 28 1961
General Land Office

SCOTT RANCH AREA
CULBERTSON COUNTY TEXAS
SURVEY CALCULATIONS
March 24, 1961

1. EXTERIOR TRAVERSE

		Co-ordinates East (X)	Co-ordinates North (Y)	Sec. No.	Blk. No.
2000000000	1	26223642	28234372	NWC 7	115
2000000000	2	26413134	28226698	NWC 6	115
2000000000	3	26602625	28219024	NWC 5	115
2000000000	4	26792117	28211350	NWC 4	115
2000000000	5	26981609	28203676	NWC 3	115
2000000000	6	27171100	28196002	NWC 2	115
2000000000	7	27360592	28188327	NWC 1	115
2000000000	8	27560039	28182209	NWC 6	114
2000000000	9	27749614	28176977	NWC 5	114
2000000000	10	27939189	28171744	NWC 4	114
2000000000	11	28128764	28166512	NWC 3	114
2000000000	12	28318338	28161279	NWC 2	114
2000000000	13	28507913	28156047	NWC 1	114
2000000000	14	28697452	28149703	NWC 6	113
2000000000	15	28886966	28142593	NWC 5	113
2000000000	16	29076479	28135483	NWC 4	113
2000000000	17	29265993	28128373	NWC 3	113
2000000000	18	29455507	28121264	NWC 2	113
2000000000	19	29645020	28114154	NWC 1	113
2000000000	20	29834544	28107331	NEC 1	113
2000000000	21	29830297	27916188	SEC 1	113
2000000000	22	29826050	27725046	SEC 12	113
2000000000	23	29821802	27533904	SEC 13	113
2000000000	24	29817555	27342761	SEC 24	113
2000000000	25	29813308	27151618	SEC 1	111
2000000000	26	29809061	26960475	SEC 12	111
2000000000	27	29804813	26769332	SEC 13	111
2000000000	28	29800566	26578189	SEC 24	111
2000000000	29	29795796	26363509	SEC 25	111
2000000000	30	29605828	26370035	SWC 25	111
2000000000	31	29415860	26376561	SWC 26	111
2000000000	32	29225892	26383087	SWC 27	111
2000000000	33	29035924	26389613	SWC 28	111
2000000000	34	28845956	26396139	SWC 29	111
2000000000	35	28655988	26402665	SWC 30	111
2000000000	36	28465934	26409293	SWC 25	110
2000000000	37	28274870	26416389	SWC 26	110
2000000000	38	28084300	26423728	SWC 27	110
2000000000	39	27894080	26432109	SWC 28	110

Verified data rec'd 9/20/62

counter 45431

		Co-ordinates East (X)	Co-ordinates North (Y)	Sec. No.	Blk. No.
2000000000	40	27703607	26439455	SWC 29	110
2000000000	41	27513132	26446800	SWC 30	110
2000000000	42	27518934	26661454	NWC 30	110
2000000000	43	27317851	26668769	SWC 28	109
2000000000	44	27126743	26675721	SWC 27	109
2000000000	45	26935636	26682673	SWC 26	109
2000000000	46	26744528	26689625	SWC 25	109
2000000000	47	26553421	26696577	SWC 24	109
2000000000	48	26362313	26703528	SWC 23	109
2000000000	49	26171206	26710480	SWC 22	109
2000000000	50	26176956	26899842	NWC 22	109
2000000000	51	26182705	27089203	NWC 21	109
2000000000	52	26188455	27278565	NWC 8	109
2000000000	53	26196886	27469279	NWC 7	109
2000000000	54	26204156	27662662	NWC 22	115
2000000000	55	26210146	27853171	NWC 21	115
2000000000	56	26216759	28043962	NWC 8	115

2. INTERIOR HORZ. ROWS

		Co-ord. W. Line Blk 115 & 109 East (X)	Co-ord. W. Line Blk 115 & 109 North (Y)	Co-ord. E. Line Blk 113 & 111 East (X)	Co-ord. E. Line Blk 113 & 111 North (Y)	Bearing S ° ' " E	Distance Varas
3000000000	Horz. Row #2	2621675900	2804396200	2983029675	2791618819	87 58 29.60 -	3615796
3000000000	3	2621014600	2785317100	2982604953	2772504637	87 58 14.50 -	3618173
3000000000	4	2620415600	2766266200	2982180228	2753390356	87 57 41.80 -	3619937
3000000000	5	2619688600	2746927900	2981755503	2734276074	87 59 55.30 -	3622879
3000000000	6	2618845500	2727856500	2981330778	2715161793	87 59 39.10 -	3627075
3000000000	7	2618270536	2708920344	2980906054	2696047511	87 58 01.20 -	3628639
3000000000	8	2617695568	2689984172	2980481329	2676933230	87 56 22.90 -	3630204
3000000000	9	2751893400	2666145400	2980056604	2657818949	87 54 36.00 -	2283151

Total Area of Survey

1000000000 10,666.950 Acres

FORM 1180 PRINTED BY THE STANDARD REGISTER CO. MIDWEST DIVISION-U.S.A.

counter 15432 3/24/61 W2

3. INTERIOR VERTICAL ROWS

Vert. Row No.	Bearing N° ' "E	Distance Varas
1000000001	1 54 39.60	15240 18
1000000002	1 51 04.00	15232 42
1000000003	1 47 28.30	15224 69
1000000004	1 43 52.70	15216 98
1000000005	1 40 16.30	15209 28
1000000006	1 36 40.00	15201 59
1000000007	1 32 53.90	15213 10
1000000008	1 31 00.50	17381 31
1000000009	1 29 07.40	17402 20
1000000010	1 27 41.40	17433 51
1000000011	1 25 37.20	17454 31
1000000012	1 22 36.10	17472 58
1000000013	1 21 34.60	17475 30
1000000014	1 20 42.70	17469 36
1000000015	1 19 50.50	17463 41
1000000016	1 18 58.30	17457 47
1000000017	1 18 06.50	17451 54
1000000018	1 17 14.30	17445 59
1000000019	1 16 22.40	17442 53

corrected 15433 3/24/61

W3

Column Number	S.E. Co-ord. of Section East (X)	S.E. Co-ord. of Section North (Y)	Area of Sect. Acres	Sect. Sides-St. Line Dis.(Varas) North	Sect. Sides-St. Line Dis.(Varas) East	Sec.No.	Blk.No.
2000000001	264068 13	280372 42	639 24	1896 47	1895 62	7	115
2000000001	264004 46	278464 28	643 58	1901 73	1909 20	8	115
2000000001	263940 89	276559 02	642 38	1904 20	1906 32	21	115
2000000001	263876 40	274626 13	652 54	1900 54	1933 96	22	115
2000000001	263812 74	272718 12	648 93	1908 71	1909 08	7	109
2000000001	263749 53	270823 79	646 67	1929 37	1895 39	8	109
2000000001	263686 33	268929 46	644 77	1923 70	1895 38	21	109
2000000001	263623 13	267035 28	642 86	1918 01	1895 24	22	109
2000000002	265965 33	280305 33	635 40	1896 46	1885 89	6	115
2000000002	265903 66	278396 99	642 34	1898 39	1909 34	9	115
2000000002	265842 07	276491 35	642 25	1900 39	1906 63	20	115
2000000002	265779 64	274559 63	651 69	1902 38	1932 73	23	115
2000000002	265717 96	272651 39	644 37	1904 40	1909 23	6	109
2000000002	265656 71	270756 09	640 66	1906 39	1896 30	9	109
2000000002	265595 45	268860 78	641 12	1908 38	1896 29	20	109
2000000002	265534 21	266965 77	641 79	1910 36	1896 00	23	109
2000000003	267862 53	280238 25	632 15	1896 47	1876 17	5	115
2000000003	267802 84	278329 69	642 31	1898 38	1909 49	10	115
2000000003	267743 23	276423 69	642 22	1900 37	1906 94	19	115
2000000003	267682 86	274493 12	651 47	1902 37	1931 51	24	115
2000000003	267623 17	272584 67	644 34	1904 38	1909 39	5	109
2000000003	267563 87	270688 39	641 00	1906 38	1897 21	10	109
2000000003	267504 57	268792 10	641 48	1908 36	1897 21	19	109
2000000003	267445 28	266896 25	641 97	1910 35	1896 78	24	109
2000000004	269759 70	280171 17	628 89	1896 47	1866 45	4	115
2000000004	269702 01	278262 40	642 47	1898 36	1909 64	11	115
2000000004	269644 39	276356 02	642 20	1900 36	1907 25	18	115
2000000004	269586 07	274426 62	651 06	1902 36	1930 29	25	115
2000000004	269528 38	272517 95	644 51	1904 37	1909 54	4	109
2000000004	269471 03	270620 69	641 17	1906 37	1898 12	11	109
2000000004	269413 69	268723 42	641 65	1908 36	1898 13	18	109
2000000004	269356 36	266826 73	642 31	1910 36	1897 56	25	109

counter 75437 3/24/61

V 20

Column Number	S.E. Co-ord. of Section East (X)	S.E. Co-ord. of Section North (Y)	Area of Sect. Acres	Sect. Sides-St. Line Dis.Varas) North	Sect. Sides-St. Line Dis.Varas) East	Sec.No.	Blk.No.
2000000005	27165685	28010408	62582	189646	185673	3	115
2000000005	27160115	27819511	64245	189833	190979	12	115
2000000005	27154552	27628836	64235	190033	190756	17	115
2000000005	27148926	27436011	65065	190233	192907	26	115
2000000005	27143356	27245122	64447	190435	190970	3	109
2000000005	27137818	27055299	64133	190635	189904	12	109
2000000005	27132279	26865475	64219	190834	189905	17	109
2000000005	27126743	26675721	64268	191034	189834	26	109
2000000006	27355399	28003700	62238	189647	184700	2	115
2000000006	27350029	27812782	64260	189833	190994	13	115
2000000006	27344665	27622069	64252	190033	190788	16	115
2000000006	27339244	27429361	65025	190233	192785	27	115
2000000006	27333875	27238450	64445	190435	190987	2	109
2000000006	27328533	27048529	64170	190635	189996	13	109
2000000006	27323191	26858607	64254	190835	189998	16	109
2000000006	27317851	26668769	64284	191035	189913	27	109
2000000007	27555023	27996641	65389	199541	185635	1	115
2000000007	27549862	27805701	67614	199749	191010	14	115
2000000007	27544706	27614950	67626	199959	190821	15	115
2000000007	27539501	27422363	68356	200168	192657	28	115
2000000007	27534340	27231429	67828	200379	191004	1	109
2000000007	27529204	27041406	67557	200588	190093	14	109
2000000007	27524068	26851380	67648	200798	190095	15	109
2000000007	27518934	26661454	67657	201007	189995	28	109
2000000008	27744661	27989936	62623	189647	187107	6	114
2000000008	27739605	27798978	64234	189757	191025	7	114
2000000008	27734553	27608193	64191	189862	190852	18	114
2000000008	27729457	27415725	64817	189967	192535	19	114
2000000008	27724401	27224773	64321	190072	191020	6	110
2000000008	27719367	27034655	64072	190178	190184	7	110
2000000008	27714333	26844535	64106	190283	190187	18	110
2000000008	27709301	26654507	64103	190388	190095	19	110
2000000008	27703607	26439455	72548	190494	215127	30	110

counter 75435

3/24/61

W4

Column Number	S.E. Co-ord. of Section East (X)	S.E. Co-ord. of Section North (Y)	Area of Sect. Acres	Sect. Sides-St. Line Dis.(Varas) North	Sect. Sides-St. Line Dis.(Varas) East	Sec.No.	Blk.No.
2000000009	279343 01	279832 30	631 16	189647	188577	5	114
2000000009	279293 49	277922 55	642 32	189758	191040	8	114
2000000009	279244 01	276014 36	642 11	189863	190883	17	114
2000000009	279194 13	274090 88	647 80	189968	192413	20	114
2000000009	279144 61	272181 16	643 20	190072	191036	5	110
2000000009	279095 29	270279 05	641 07	190177	190275	8	110
2000000009	279045 97	268376 91	641 23	190282	190278	17	110
2000000009	278996 67	266475 60	641 39	190387	190195	20	110
2000000009	278940 80	264321 09	726 78	190492	215523	29	110
2000000010	281239 17	279765 26	636 22	189647	190048	4	114
2000000010	281190 44	277855 33	642 19	189735	191055	9	114
2000000010	281141 75	275946 81	641 89	189814	190914	16	114
2000000010	281092 70	274024 53	647 09	189894	192290	21	114
2000000010	281043 98	272114 64	643 00	189973	191051	4	110
2000000010	280995 42	270211 60	640 80	190053	190366	9	110
2000000010	280946 87	268308 52	641 27	190133	190370	16	110
2000000010	280898 34	266406 20	640 95	190213	190294	21	110
2000000010	280843 00	264237 28	729 19	190293	216962	28	110
2000000011	283135 68	279698 20	641 22	189646	191519	3	114
2000000011	283088 10	277788 09	642 36	189770	191070	10	114
2000000011	283040 55	275879 23	642 36	189885	190945	15	114
2000000011	282992 69	273958 14	647 13	190000	192168	22	114
2000000011	282945 11	272048 06	643 52	190115	191067	3	110
2000000011	282897 68	270144 08	641 82	190230	190458	10	110
2000000011	282850 24	268240 05	642 20	190345	190462	15	110
2000000011	282802 83	266336 70	642 21	190461	190394	22	110
2000000011	282748 70	264163 89	733 39	190576	217348	27	110
2000000012	285032 76	279631 12	646 03	189647	192991	2	114
2000000012	284986 85	277720 81	642 81	189826	191085	11	114
2000000012	284940 97	275811 59	643 01	189994	190977	14	114
2000000012	284894 83	273891 67	647 37	190162	192047	23	114
2000000012	284848 92	271981 39	644 33	190330	191084	2	110
2000000012	284803 14	270076 44	643 18	190498	190550	11	110
2000000012	284757 36	268171 44	643 55	190666	190555	14	110
2000000012	284711 59	266267 04	644 13	190835	190495	23	110
2000000012	284659 34	264092 93	735 90	191003	217474	60	110

counter 75436 3/24/61 W5

Column Number	S.E. Co-ord. of Section East (X)	S.E. Co-ord. of Section North (Y)	Area of Sect. Acres	Sect. Sides-St. Line Dis. (Varas) North	Sect. Sides-St. Line Dis. (Varas) East	Sec.No.	Blk.No.
2000000013	28692864	27956408	64976	189645	193350	1	114
2000000013	28688330	27765362	64221	189707	191100	12	114
2000000013	28683798	27574407	64201	189764	191008	13	114
2000000013	28679244	27382536	64562	189821	191925	24	114
2000000013	28674710	27191491	64279	189877	191100	1	110
2000000013	28670187	27000904	64126	189934	190641	12	110
2000000013	28665663	26810312	64165	189992	190646	13	110
2000000013	28661141	26619771	64147	190050	190594	24	110
2000000013	28655988	26402665	73180	190108	217167	25	110
2000000014	28882437	27949705	64880	189647	192942	6	113
2000000014	28877950	27758643	64211	189691	191114	7	113
2000000014	28873465	27567657	64211	189739	191039	18	113
2000000014	28868963	27375907	64511	189788	191803	19	113
2000000014	28864476	27184845	64262	189834	191115	6	111
2000000014	28859999	26994166	64146	189883	190731	7	111
2000000014	28855521	26803482	64161	189932	190737	18	111
2000000014	28851045	26612841	64157	189981	190694	19	111
2000000014	28845956	26396139	73035	190030	216761	30	111
2000000015	29072008	27943001	64765	189646	192534	5	113
2000000015	29067569	27751924	64213	189690	191129	8	113
2000000015	29063132	27560906	64228	189738	191069	17	113
2000000015	29058681	27369278	64454	189787	191680	20	113
2000000015	29054242	27178199	64280	189834	191131	5	111
2000000015	29049811	26987428	64163	189882	190822	8	111
2000000015	29045379	26796651	64198	189931	190828	17	111
2000000015	29040948	26605910	64178	189981	190793	20	111
2000000015	29035924	26389613	72900	190030	216356	29	111
2000000016	29261580	27936298	64613	189647	192125	4	113
2000000016	29257189	27745205	64231	189690	191143	9	113
2000000016	29252799	27554156	64228	189739	191100	16	113
2000000016	29248399	27362648	64415	189787	191558	21	113
2000000016	29244008	27171553	64280	189834	191146	4	111
2000000016	29239623	26980690	64202	189883	190913	9	111
2000000016	29235237	26789821	64237	189932	190919	16	111
2000000016	29230853	26598980	64214	189981	190892	21	111
2000000016	29225892	26383087	72768	190030	215950	28	111

counter 75437 2/21/11 W

Column Number	S.E. Co-ord. of Section East (X)	S.E. Co-ord. of Section North (Y)	Area of Sect. Acres	Sect. Sides-St. Line Dis.(Varas) North	Sect. Sides-St. Line Dis.(Varas) East	Sec.No.	Blk.No.
2000000017	29415860	26376561	72633	190031	215544	27	111
2000000017	29451151	27929595	64479	189647	191718	3	113
2000000017	29446809	27738487	64230	189690	191158	10	113
2000000017	29442466	27547405	64247	189739	191131	15	113
2000000017	29438117	27356019	64376	189787	191436	22	113
2000000017	29433774	27164906	64279	189834	191162	3	111
2000000017	29429435	26973952	64238	189882	191004	10	111
2000000017	29425096	26782991	64235	189932	191010	15	111
2000000017	29420757	26592050	64272	189981	190991	22	111
2000000018	29640722	27922892	64346	189646	191310	2	113
2000000018	29636427	27731768	64229	189689	191172	11	113
2000000018	29632133	27540655	64245	189738	191161	14	113
2000000018	29627835	27349389	64338	189787	191314	23	113
2000000018	29623540	27158261	64297	189834	191177	2	111
2000000018	29619247	26967214	64256	189882	191094	11	111
2000000018	29614954	26776161	64273	189932	191101	14	111
2000000018	29610661	26585119	64309	189981	191090	23	111
2000000018	29605828	26370035	72481	190031	215139	26	111
2000000019	29830297	27916188	64229	189647	191190	1	113
2000000019	29826050	27725046	64230	189693	191189	12	113
2000000019	29821802	27533904	64265	189741	191190	13	113
2000000019	29817555	27342761	64300	189789	191190	24	113
2000000019	29813308	27151618	64279	189836	191190	1	111
2000000019	29809061	26960475	64295	189884	191190	12	111
2000000019	29804813	26769332	64311	189933	191190	13	111
2000000019	29800566	26578189	64326	189982	191190	24	111
2000000019	29795796	26363509	72367	190031	214733	25	111

counter 45438

W7
3/29/61

(4)

File No. 48

CULBERSON County

ROLLED SKETCH

Filed April 6 1961

JERRY SADLER, Com'r

By V. E. Heizing

Calculation Sheets

COUNTER 82263

SCOTT RANCH AREA
CULBERTSON COUNTY, TEXAS
SURVEY CALCULATIONS
August 20, 1962

1. EXTERIOR TRAVERSE

		Co-ordinates East (X)	Co-ordinates North (Y)	Sec. No.	Blk No.
2000000000	1	26223642	28234372	NWC 7	115
2000000000	2	26413134	28226698	NWC 6	115
2000000000	3	26602625	28219024	NWC 5	115
2000000000	4	26792117	28211350	NWC 4	115
2000000000	5	26981609	28203676	NWC 3	115
2000000000	6	27171100	28196002	NWC 2	115
2000000000	7	27360592	28188327	NWC 1	115
2000000000	8	27560039	28182209	NWC 6	114
2000000000	9	27749614	28176977	NWC 5	114
2000000000	10	27939189	28171744	NWC 4	114
2000000000	11	28128764	28166512	NWC 3	114
2000000000	12	28318338	28161279	NWC 2	114
2000000000	13	28507913	28156047	NWC 1	114
2000000000	14	28697452	28149703	NWC 6	113
2000000000	15	28886966	28142593	NWC 5	113
2000000000	16	29076479	28135483	NWC 4	113
2000000000	17	29265993	28128373	NWC 3	113
2000000000	18	29455507	28121264	NWC 2	113
2000000000	19	29645020	28114154	NWC 1	113
2000000000	20	29834544	28107331	NEC 1	113
2000000000	21	29830303	27916465	SEC 1	113
2000000000	22	29826062	27725599	SEC 12	113
2000000000	23	29821821	27534733	SEC 13	113
2000000000	24	29817580	27343867	SEC 24	113
2000000000	25	29813339	27153002	SEC 1	111
2000000000	26	29809097	26962136	SEC 12	111
2000000000	27	29804856	26771270	SEC 13	111
2000000000	28	29800615	26580403	SEC 24	111
2000000000	29	29795796	26363509	SEC 25	111
2000000000	30	29605828	26370035	SWC 25	111
2000000000	31	29415860	26376561	SWC 26	111
2000000000	32	29225892	26383087	SWC 27	111
2000000000	33	29035924	26389613	SWC 28	111
2000000000	34	28845956	26396139	SWC 29	111
2000000000	35	28655988	26402665	SWC 30	111
2000000000	36	28465934	26409293	SWC 25	110
2000000000	37	28274870	26416389	SWC 26	110
2000000000	38	28084280	26423174	SWC 27	110
2000000000	39	27894037	26431002	SWC 28	110
2000000000	40	27703344	26437801	SWC 29	110
2000000000	41	27512450	26444607	SWC 30	110
2000000000	42	27518389	26661473	SWC 19	110
2000000000	43	27317384	26668785	SWC 28	109
2000000000	44	27126354	26675734	SWC 27	109

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counter 45401
AUG 20 1962

		Co-ordinates East (X)	Co-ordinates North (Y)	Sec. No.	Blk. No.
2000000000	45	26935325	26682683	SWC 26	109
2000000000	46	26744295	26689632	SWC 25	109
2000000000	47	26553265	26696581	SWC 24	109
2000000000	48	26362236	26703530	SWC 23	109
2000000000	49	26171206	26710480	SWC 22	109
2000000000	50	26176956	26899842	SWC 21	109
2000000000	51	26182705	27089203	SWC 8	109
2000000000	52	26188455	27278565	SWC 7	109
2000000000	53	26196886	27469279	SWC 22	115
2000000000	54	26204156	27662662	SWC 21	115
2000000000	55	26210146	27853171	SWC 8	115
2000000000	56	26216759	28043962	SWC 7	115

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2. INTERIOR HORZ. ROWS

			Co-ord. W. Line Blk. 115 & 109 East (X)	Co-ord. W. Line Blk. 115 & 109 North (Y)	Co-ord. E. Line Blk 113 & 111 East (X)	Co-ord. E. Line Blk 113 & 111 North (Y)	Bearing S° ' " E	Distance Varas
3000000000	Horz. Row	2	262167,5900	280439,6200	298303,0291	279164,6512	87°58'45"50-	3615793
3000000000		3	262101,4600	278531,7100	298260,6181	277255,9923	87°58'45"80-	3618166
3000000000		4	262041,5600	276626,6200	298218,2072	275347,3335	87°58'28"90-	3619926
3000000000		5	261968,8600	274692,7900	298175,7962	273438,6747	88°00'58"30-	3622865
3000000000		6	261884,5500	272785,6500	298133,3853	271530,0159	88°00'58"00-	3627058
3000000000		7	261827,0536	270892,0344	298090,9744	269621,3570	87°59'35"50-	3628618
3000000000		8	261769,5568	268998,4172	298048,5634	267712,6982	87°58'13"10-	3630178
3000000000		9	275183,8900	266147,7300	298006,1522	265804,0294	87°57'56"20-	2283666

Total Area of Survey

106,708.46 Acres

counter 75402 AUG 20 1962 V²

3. INTERIOR VERTICAL ROWS

Row No.	Bearing N° ' " E	Distance Varas
1	15435	1524019
2	15152	1523243
3	14800	1522470
4	14435	1521696
5	14109	1520927
6	13717	1520157
7	13407.7	1521307
8	13126	1739891
9	12909	1741327
10	12841	1743906
12	12537	1745431
13	12235	1747258
14	12132	1747531
15	12025	1746938
16	11950	1746340
17	11859	1745744
18	11806	1745151
19	11704	1744558

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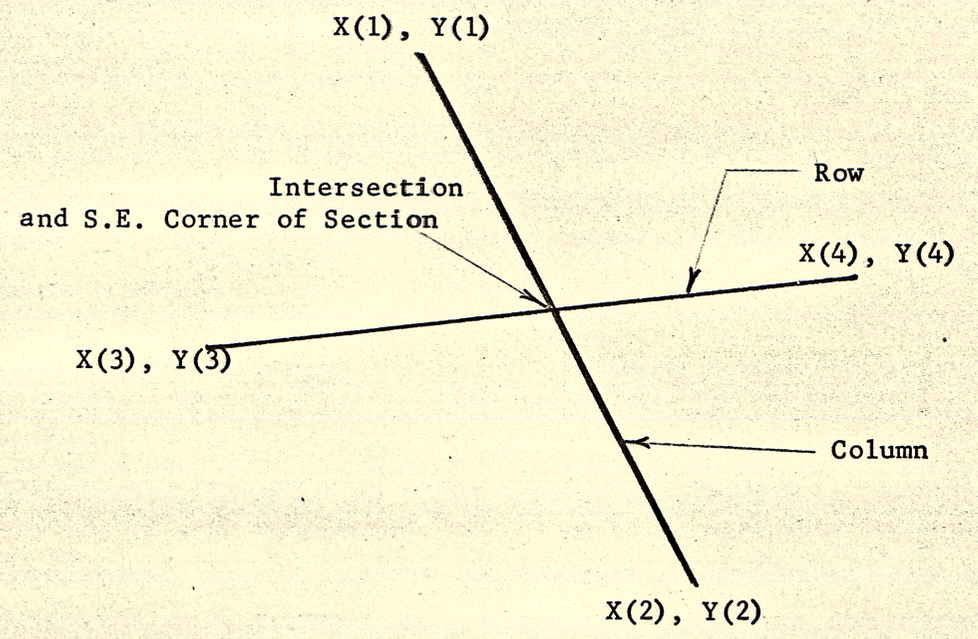
Counter 45403

V 3



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The following eight pages contain data as follows: 1st Row, input data consisting of the east and north co-ordinates; 2nd Row, output data consisting of the co-ordinates (East and North) of the intersection of row and column. The 56 value ending each number determines decimal point, with the number 6 indicating the number of whole numbers in the answer. In the column headed East X(1), the third figure is denoted by a letter with A=1, B=2, C=3, D=4, E=5, F=6, G=7, H=8, I=9, and 0=0.

counter 15404

Blk	Sec. No.	EAST X(1)	NORTH Y(1)	EAST X(2) SE Corner Co-ord. East (X)	NORTH Y(2) SE Corner Co-ord. North (Y)	EAST X(3)	NORTH Y(3)	EAST X(4)	NORTH Y(4)
115	7	26D1313456	2822669856	2636223656	267035306	2621675956	2804396256	2983030356	2791646556
				2640680456	2803725656				
115	6	26F0262556	2821902456	2655326556	2669658156	2621675956	2804396256	2983030356	2791646556
				2659651556	2803056356				
115	5	26G9211756	2821135056	2674429556	2668963256	2621675956	2804396256	2983030356	2791646556
				2678622556	2802387056				
115	4	26I8160956	2820367656	2693532556	2668268356	2621675956	2804396256	2983030356	2791646556
				2697593456	2801717656				
115	3	27A7110256	2819600256	2712635456	2667573456	2621675956	2804396256	2983030356	2791646556
				2716564256	2801048356				
115	2	27C6059256	2818832756	2731738456	2666878556	2621675956	2804396256	2983030356	2791646556
				2735534556	2800379156				
115	1	27E6003956	2818220956	2751838956	2666147356	2621675956	2804396256	2983030356	2791646556
				2755495956	2799674456				
114	6	27G4961456	2817697756	2770334456	2643780156	2621675956	2804396256	2983030356	2791646556
				2774464156	2799005456				
114	5	27I3918956	2817174456	2789403756	2643100256	2621675956	2804396256	2983030356	2791646556
				2793430356	2798336256				
114	4	28A2876456	2816651256	2808428056	2642317456	2621675956	2804396256	2983030356	2791646556
				2812392056	2797667356				
114	3	28C1833856	2816127956	2827487056	2641638956	2621675956	2804396256	2983030356	2791646556
				2831357356	2796998156				
114	2	28E0791356	2815604756	2846593456	2640929356	2621675956	2804396256	2983030356	2791646556
				2850328156	2796328756				
114	1	28F9745256	2814970356	2865598856	2640266556	2621675956	2804396256	2983030356	2791646556
				2869286956	2795659856				
113	6	28H8696656	2814259356	2884595656	2639613956	2621675956	2804396256	2983030356	2791646556
				2888244156	2794990856				
113	5	2907647956	2813548356	2903592456	2638961356	2621675956	2804396256	2983030356	2791646556
				2907201356	2794322056				
113	4	29B6599356	2812837356	2922589256	2638308756	2621675956	2804396256	2983030356	2791646556
				2926158556	2793653056				
113	3	29D5550756	2812126456	2941586056	2637656156	2621675956	2804396256	2983030356	2791646556
				2945115756	2792984256				
113	2	29F4502056	2811415456	2960582856	2637003556	2621675956	2804396256	2983030356	2791646556
				2964072856	2792315456				
115	8	26D1313456	2822669856	2636223656	267035306	2621014656	2785317156	2982606256	2772559956
				2640042856	2784645856				
115	9	26F0262556	2821902456	2655326556	2669658156	2621014656	2785317156	2982606256	2772559956
				2659032956	2783975656				
115	10	26G9211756	2821135056	2674429556	2668963256	2621014656	2785317156	2982606256	2772559956
				2678022956	2783305756				
115	11	26I8160956	2820367656	2693532556	2668268356	2621014656	2785317156	2982606256	2772559956
		,,	,,	2697012756	2782635856	,,	,,	,,	,,
				,,	,,				

counter 15405

V5

Blk	Sec. No.	EAST X(1)	NORTH Y(1)	EAST X(2) SE Corner Co-ord. East (X)	NORTH Y(2) SE Corner Co-ord. North (Y)	EAST X(3)	NORTH Y(3)	EAST X(4)	NORTH Y(4)
115	12	27A711 0256	281960 0256	271 26354 56	266 75734 56	262 10 14 656	278 53 17 156	298 26 06 256	277 25 59 956
				271 60025 56	278 19660 56				
115	13	27C60592 56	28188327 56	273 17384 56	266 68785 56	262 10 14 656	278 53 17 156	298 26 06 256	277 25 59 956
				273 49918 56	278 12959 56				
115	14	27E600 3956	28182209 56	275 18389 56	266 61473 56	262 10 14 656	278 53 17 156	298 26 06 256	277 25 59 956
				275 49733 56	278 05910 56				
114	7	27G496 1456	28176977 56	277 03344 56	264 37801 56	262 10 14 656	278 53 17 156	298 26 06 256	277 25 59 956
				277 39564 56	277 99211 56				
114	8	27I391 8956	28171744 56	278 94037 56	264 31002 56	262 10 14 656	278 53 17 156	298 26 06 256	277 25 59 956
				279 29352 56	277 92515 56				
114	9	28A287 6456	28166512 56	280 84280 56	264 23174 56	262 10 14 656	278 53 17 156	298 26 06 256	277 25 59 956
				281 19050 56	277 85823 56				
114	10	28C183 3856	28161279 56	282 74870 56	264 16389 56	262 10 14 656	278 53 17 156	298 26 06 256	277 25 59 956
				283 08819 56	277 79128 56				
114	11	28E079 1356	28156047 56	284 65934 56	264 09293 56	262 10 14 656	278 53 17 156	298 26 06 256	277 25 59 956
				284 98694 56	277 72430 56				
114	12	28F974 5256	28149703 56	286 55988 56	264 02665 56	262 10 14 656	278 53 17 156	298 26 06 256	277 25 59 956
				286 88339 56	277 65740 56				
113	7	28H869 6656	28142593 56	288 45956 56	263 96139 56	262 10 14 656	278 53 17 156	298 26 06 256	277 25 59 956
				288 77959 56	277 59049 56				
113	8	290764 7956	28135483 56	290 35924 56	263 89613 56	262 10 14 656	278 53 17 156	298 26 06 256	277 25 59 956
				290 67579 56	277 52358 56				
113	9	29B659 9356	28128373 56	292 25892 56	263 83087 56	262 10 14 656	278 53 17 156	298 26 06 256	277 25 59 956
				292 57199 56	277 45669 56				
113	10	29D555 0756	28121264 56	294 15860 56	263 76561 56	262 10 14 656	278 53 17 156	298 26 06 256	277 25 59 956
				294 46819 56	277 38979 56				
113	11	29F450 2056	28114154 56	296 05828 56	263 70035 56	262 10 14 656	278 53 17 156	298 26 06 256	277 25 59 956
				296 36439 56	277 32290 56				
115	21	26D131 3456	28226698 56	263 62236 56	267 03530 56	262 04 15 656	276 62 66 256	298 21 82 156	275 34 73 356
				263 94062 56	276 55947 56				
115	20	26F026 2556	28219024 56	265 53265 56	266 96581 56	262 04 15 656	276 62 66 256	298 21 82 156	275 34 73 356
				265 84151 56	276 49223 56				
115	19	26G921 1756	28211350 56	267 44295 56	266 89632 56	262 04 15 656	276 62 66 256	298 21 82 156	275 34 73 356
				267 74240 56	276 42503 56				
115	18	261816 0956	28203676 56	269 35325 56	266 82683 56	262 04 15 656	276 62 66 256	298 21 82 156	275 34 73 356
				269 64328 56	276 35780 56				
115	17	27A711 0256	28196002 56	271 26354 56	266 75734 56	262 04 15 656	276 62 66 256	298 21 82 156	275 34 73 356
				271 54415 56	276 29058 56				
115	16	27C605 9256	28188327 56	273 17384 56	266 68785 56	262 04 15 656	276 62 66 256	298 21 82 156	275 34 73 356
				273 44498 56	276 22337 56				
115	15	27E600 3956	28182209 56	275 18389 56	266 61473 56	262 04 15 656	276 62 66 256	298 21 82 156	275 34 73 356
				275 44511 56	276 15265 56				
114	18	27G496 1456	28176977 56	277 03344 56	264 37801 56	262 04 15 656	276 62 66 256	298 21 82 156	275 34 73 356
		" "	" "	277 34491 56	276 08546 56	" "	" "	" "	" "
				" "	" "				

Counter 75904

V6

Blk	Sec. No.	EAST X(1)	NORTH Y(1)	EAST X(2) SE Corner Co-ord. East (X)	NORTH Y(2) SE Corner Co-ord. North (Y)	EAST X(3)	NORTH Y(3)	EAST X(4)	NORTH Y(4)
114	17	271391 8956	281 7174456	278940 3756	264310 0256	262041 5656	276626 6256	298218 2156	275347 3356
				279244 0656	276018 3056				
114	16	28A287 6456	281 6651256	280842 8056	264231 7456	262041 5656	276626 6256	298218 2156	275347 3356
				281141 8456	275951 1956				
114	15	28C183 3856	281 6127956	282748 7056	264163 8956	262041 5656	276626 6256	298218 2156	275347 3356
				283040 6756	275884 0556				
114	14	28E079 1356	281 5604756	284659 3456	264092 9356	262041 5656	276626 6256	298218 2156	275347 3356
				284941 1056	275816 8556				
114	13	28F974 5256	281 4970356	286559 8856	264026 6556	262041 5656	276626 6256	298218 2156	275347 3356
				286838 1156	275749 7756				
113	18	28H869 6656	281 4259356	288459 5656	263961 3956	262041 5656	276626 6256	298218 2156	275347 3356
				288734 7956	275682 6856				
113	17	290764 7956	281 3548356	290359 2456	263896 1356	262041 5656	276626 6256	298218 2156	275347 3356
				290631 4756	275615 6056				
113	16	29B659 9356	281 2837356	292258 9256	263830 8756	262041 5656	276626 6256	298218 2156	275347 3356
				292528 1556	275548 5556				
113	15	29D555 0756	281 2126456	294158 6056	263765 6156	262041 5656	276626 6256	298218 2156	275347 3356
				294424 8356	275481 4656				
113	14	29F450 2056	281 1415456	296058 2856	263700 3556	262041 5656	276626 6256	298218 2156	275347 3356
				296321 5056	275414 4056				
115	22	26D131 3456	282 2669856	263622 3656	267035 3056	261968 8656	274692 7956	298175 8056	273438 6756
				263876 0356	274626 7456				
115	23	26F026 2556	282 1902456	265532 6556	266965 8156	261968 8656	274692 7956	298175 8056	273438 6756
				265778 8956	274560 8256				
115	24	26G921 1756	282 1135056	267442 9556	266896 3256	261968 8656	274692 7956	298175 8056	273438 6756
				267681 7556	274494 9356				
115	25	261816 0956	282 0367656	269353 2556	266826 8356	261968 8656	274692 7956	298175 8056	273438 6756
				269584 5956	274428 9956				
115	26	27A711 0256	281 9600256	271263 5456	266757 3456	261968 8656	274692 7956	298175 8056	273438 6756
				271487 4156	274363 0956				
115	27	27C605 9256	281 8832756	273173 8456	266687 8556	261968 8656	274692 7956	298175 8056	273438 6756
				273390 2156	274297 1956				
115	28	27E600 3956	281 8220956	275183 8956	266614 7356	261968 8656	274692 7956	298175 8056	273438 6756
				275392 4056	274227 8456				
114	19	27G496 1456	281 7697756	277033 4456	264378 0156	261968 8656	274692 7956	298175 8056	273438 6756
				277293 7456	274161 9856				
114	20	271391 8956	281 7174456	278940 3756	264310 0256	261968 8656	274692 7956	298175 8056	273438 6756
				279194 2156	274096 1556				
114	21	28A287 6456	281 6651256	280842 8056	264231 7456	261968 8656	274692 7956	298175 8056	273438 6756
				281092 8256	274030 3856				
114	22	28C183 3856	281 6127956	282748 7056	264163 8956	261968 8656	274692 7956	298175 8056	273438 6756
				282992 8656	273964 5856				
114	23	28E079 1356	281 5604756	284659 3456	264092 9356	261968 8656	274692 7956	298175 8056	273438 6756
		' .	' .	284895 0056	273898 6856	' .	' .	' .	' .

counter 75907

Blk	Sec. No.	EAST X(1)	NORTH Y(1)	EAST X(2) SE Corner Co-ord. East (X)	NORTH Y(2) SE Corner Co-ord. North (Y)	EAST X(3)	NORTH Y(3)	EAST X(4)	NORTH Y(4)
114	24	28F9745256	2814970356	2865598856	2640266556	2619688656	2746927956	2981758056	2734386756
				2867926256	2738329656				
113	19	28H8696656	2814259356	2884595656	2639613956	2619688656	2746927956	2981758056	2734386756
				2886898256	2737672456				
113	20	2907647956	2813548356	2903592456	2638961356	2619688656	2746927956	2981758056	2734386756
				2905870156	2737015256				
113	21	29B6599356	2812837356	2922589256	2638308756	2619688656	2746927956	2981758056	2734386756
				2924842056	2736358156				
113	22	29D5550756	2812126456	2941586056	2637656156	2619688656	2746927956	2981758056	2734386756
				2943813956	2735700956				
113	23	29F4502056	2811415456	2960582856	2637003556	2619688656	2746927956	2981758056	2734386756
				2962785856	2735043956				
109	7	26D1313456	2822669856	2636223656	2670353056	2618845556	2727856556	2981333956	2715300256
				2638122856	2727188756				
109	6	26F0262556	2821902456	2655326556	2669658156	2618845556	2727856556	2981333956	2715300256
				2657170456	2726529156				
109	5	26G9211756	2821135056	2674429556	2668963256	2618845556	2727856556	2981333956	2715300256
				2676217856	2725869256				
109	4	2618160956	2820367656	2693532556	2668268356	2618845556	2727856556	2981333956	2715300256
				2695265256	2725209356				
109	3	27A7110256	2819600256	2712635456	2667573456	2618845556	2727856556	2981333956	2715300256
				2714312556	2724549456				
109	2	27C6059256	2818832756	2731738456	2666878556	2618845556	2727856556	2981333956	2715300256
				2733359556	2723889956				
109	1	27E6003956	2818220956	2751838956	2666147356	2618845556	2727856556	2981333956	2715300256
				2753401356	2723195556				
110	6	27G4961456	2817697756	2770334456	2643780156	2618845556	2727856556	2981333956	2715300256
				2772429756	2722536556				
110	5	2713918956	2817174456	2789403756	2643100256	2618845556	2727856556	2981333956	2715300256
				2791447156	2721877856				
110	4	28A2876456	2816651256	2808428056	2642317456	2618845556	2727856556	2981333956	2715300256
				2810441356	2721219956				
110	3	28C1833856	2816127956	2827487056	2641638956	2618845556	2727856556	2981333956	2715300256
				2829453156	2720561256				
110	2	28E0791356	2815604756	2846593456	2640929356	2618845556	2727856556	2981333956	2715300256
				2848491356	2719901856				
110	1	28F9745256	2814970356	2865598856	2640266556	2618845556	2727856556	2981333956	2715300256
				2867473256	2719244356				
111	6	28H8696656	2814259356	2884595656	2639613956	2618845556	2727856556	2981333956	2715300256
				2886450056	2718587056				
111	5	2907647956	2813548356	2903592456	2638961356	2618845556	2727856556	2981333956	2715300256
				2905426856	2717929656				
111	4	29B6599356	2812837356	2922589256	2638308756	2618845556	2727856556	2981333956	2715300256
		"	"	2924403556	2717272256	"	"	"	"

counter 75408

V8

Blk	Sec.	No.	EAST X(1)	NORTH Y(1)	EAST X(2) SE Corner Co-ord. East (X)	NORTH Y(2) SE Corner Co-ord. North (Y)	EAST X(3)	NORTH Y(3)	EAST X(4)	NORTH Y(4)
										(Page 9 of 16)
111	3		29D5550756	281212 6456	294158 6056	263765 6156	261884 5556	272785 6556	298133 3956	271530 0256
					294338 0256	271661 4856				
111	2		29F4502056	281141 5456	296058 2856	263700 3556	261884 5556	272785 6556	298133 3956	271530 0256
					296235 6956	271595 7556				
109	8		26D1313456	282266 9856	263622 3656	267035 3056	261827 0556	270892 0356	298090 9756	269621 3656
					263748 9956	270824 6856				
109	9		26F0262556	282190 2456	265532 6556	266965 8156	261827 0556	270892 0356	298090 9756	269621 3656
					265655 6056	270757 9056				
109	10		26G9211756	282113 5056	267442 9556	266896 3256	261827 0556	270892 0356	298090 9756	269621 3656
					267562 2156	270691 0856				
109	11		261816 0956	282036 7656	269353 2556	266826 8356	261827 0556	270892 0356	298090 9756	269621 3656
					269468 8156	270624 2656				
109	12		27A7110256	281960 0256	271263 5456	266757 3456	261827 0556	270892 0356	298090 9756	269621 3656
					271375 4056	270557 4656				
109	13		27C6059256	281883 2756	273173 8456	266687 8556	261827 0556	270892 0356	298090 9756	269621 3656
					273281 9756	270490 6456				
109	14		27E6003956	281822 0956	275183 8956	266614 7356	261827 0556	270892 0356	298090 9756	269621 3656
					275288 1256	270420 3756				
110	7		27G4961456	281769 7756	277033 4456	264378 0156	261827 0556	270892 0356	298090 9756	269621 3656
					277192 4256	270353 6356				
110	8		271391 8956	281717 4456	278940 3756	264310 0256	261827 0556	270892 0356	298090 9756	269621 3656
					279095 4056	270286 9556				
110	9		28A2876456	281665 1256	280842 8056	264231 7456	261827 0556	270892 0356	298090 9756	269621 3656
					280995 6156	270220 3756				
110	10		28C1833856	281612 7956	282748 7056	264163 8956	261827 0556	270892 0356	298090 9756	269621 3656
					282897 9256	270153 7056				
110	11		28E0791356	281560 4756	284659 3456	264092 9356	261827 0556	270892 0356	298090 9756	269621 3656
					284803 4056	270086 9656				
110	12		28F9745256	281497 0356	286559 8856	264026 6556	261827 0556	270892 0356	298090 9756	269621 3656
					286702 1356	270020 4156				
111	7		28H8696656	281425 9356	288459 5656	263961 3956	261827 0556	270892 0356	298090 9756	269621 3656
					288600 2756	269953 9256				
111	8		2907647956	281354 8356	290359 2456	263896 1356	261827 0556	270892 0356	298090 9756	269621 3656
					290498 4156	269887 4156				
111	9		29B6599356	281283 7356	292258 9256	263830 8756	261827 0556	270892 0356	298090 9756	269621 3656
					292396 5556	269820 8956				
111	10		29D5550756	281212 6456	294158 6056	263765 6156	261827 0556	270892 0356	298090 9756	269621 3656
					294294 6956	269754 3856				
111	11		29F4502056	281141 5456	296058 2856	263700 3556	261827 0556	270892 0356	298090 9756	269621 3656
					296192 8256	269687 8656				
109	21		26D1313456	282266 9856	263622 3656	267035 3056	261769 5656	268998 4256	298048 5656	267712 7056
					263685 6956	268930 5256				
109	20		26F0262556	282190 2456	265532 6556	266965 8156	261769 5656	268998 4256	298048 5656	267712 7056
			' '	' '	265594 1656	268862 8956	' '	' '	' '	' '

counter 15409

V9

Blk	Sec. No.	EAST X(1)	NORTH Y(1)	EAST X(2) SE Corner Co-ord. East (X)	NORTH Y(2) SE Corner Co-ord. North (Y)	EAST X(3)	NORTH Y(3)	EAST X(4)	NORTH Y(4)
									(Page 10 of 16)
109	19	26G921 1756	282 1135056	267 4429556	266 8963256	261 7695656	268 9984256	298 0485656	267 7127056
				267 5026356	268 7952356				
109	18	261 8160956	282 0367656	269 3532556	266 8268356	261 7695656	268 9984256	298 0485656	267 7127056
				269 4110956	268 7276156				
109	17	27A 7110256	281 9600256	271 2635456	266 7573456	261 7695656	268 9984256	298 0485656	267 7127056
				271 3195456	268 6599756				
109	16	27C 6059256	281 8832756	273 1738456	266 6878556	261 7695656	268 9984256	298 0485656	267 7127056
				273 2279956	268 5923556				
109	15	27E 6003956	281 8220956	275 1838956	266 6147356	261 7695656	268 9984256	298 0485656	267 7127056
				275 2361056	268 5211756				
110	18	27G 4961456	281 7697756	277 0334456	264 3780156	261 7695656	268 9984256	298 0485656	267 7127056
				277 1418756	268 4536556				
110	17	27I 3918956	281 7174456	278 9403756	264 3100256	261 7695656	268 9984256	298 0485656	267 7127056
				279 0461056	268 3861356				
110	16	28A 2876456	281 6651256	280 8428056	264 2317456	261 7695656	268 9984256	298 0485656	267 7127056
				280 9470856	268 3187756				
110	15	28C 1833856	281 6127956	282 7487056	264 1638956	261 7695656	268 9984256	298 0485656	267 7127056
				282 8505356	268 2513156				
110	14	28E 0791356	281 5604756	284 6593456	264 0929356	261 7695656	268 9984256	298 0485656	267 7127056
				284 7576656	268 1837456				
110	13	28F 9745256	281 4970356	286 5598856	264 0266556	261 7695656	268 9984256	298 0485656	267 7127056
				286 6569456	268 1164356				
111	18	28H 8696656	281 4259356	288 4595656	263 9613956	261 7695656	268 9984256	298 0485656	267 7127056
				288 5555456	268 0491456				
111	17	290 7647956	281 3548356	290 3592456	263 8961356	261 7695656	268 9984256	298 0485656	267 7127056
				290 4541556	267 9818456				
111	16	29B 6599356	281 2837356	292 2589256	263 8308756	261 7695656	268 9984256	298 0485656	267 7127056
				292 3527556	267 9145756				
111	15	29D 5550756	281 2126456	294 1586056	263 7656156	261 7695656	268 9984256	298 0485656	267 7127056
				294 2513556	267 8472956				
111	14	29F 4502056	281 1415456	296 0582856	263 7003556	261 7695656	268 9984256	298 0485656	267 7127056
				296 1499556	267 7799856				
110	19	27G 4961456	281 7697756	277 0334456	264 3780156	275 1838956	266 6147356	298 0061556	265 8040356
				277 0911456	266 5469656				
110	20	27I 3918956	281 7174456	278 9403756	264 3100256	275 1838956	266 6147356	298 0061556	265 8040356
				278 9966456	266 4792956				
110	21	28A 2876456	281 6651256	280 8428056	264 2317456	275 1838956	266 6147356	298 0061556	265 8040356
				280 8984256	266 4117356				
110	22	28C 1833856	281 6127956	282 7487056	264 1638956	275 1838956	266 6147356	298 0061556	265 8040356
				282 8030256	266 3440956				
110	23	28E 0791356	281 5604756	284 6593456	264 0929356	275 1838956	266 6147356	298 0061556	265 8040356
				284 7118256	266 2762756				
110	24	28F 9745256	281 4970356	286 5598856	264 0266556	275 1838956	266 6147356	298 0061556	265 8040356
		' '	' '	286 6116756	266 2088056	' '	' '	' '	' '
				' '	' '				

counter 75410

V10

Blk	Sec. No.	EAST X(1)	NORTH Y(1)	EAST X(2) SE Corner Co-ord. East (X)	NORTH Y(2) SE Corner Co-ord. North (Y)	EAST X(3)	NORTH Y(3)	EAST X(4)	NORTH Y(4)
									(Page 11 of 16)
111	19	28H869'656	281425'956	288459'656	263961'956	275183'956	266614'756	298006'156	265804'056
				288510'756	266141'456				
111	20	290764'796	281354'856	290359'256	263896'156	275183'956	266614'756	298006'156	265804'056
				290409'856	266073'856				
111	21	29B659'956	281283'756	292258'956	263830'856	275183'956	266614'756	298006'156	265804'056
				292308'956	266006'456				
111	22	29D555'076	281212'656	294158'656	263765'156	275183'956	266614'756	298006'156	265804'056
				294207'856	265938'956				
111	23	29F450'256	281141'546	296058'256	263700'356	275183'956	266614'756	298006'156	265804'056
				296107'056	265871'456				

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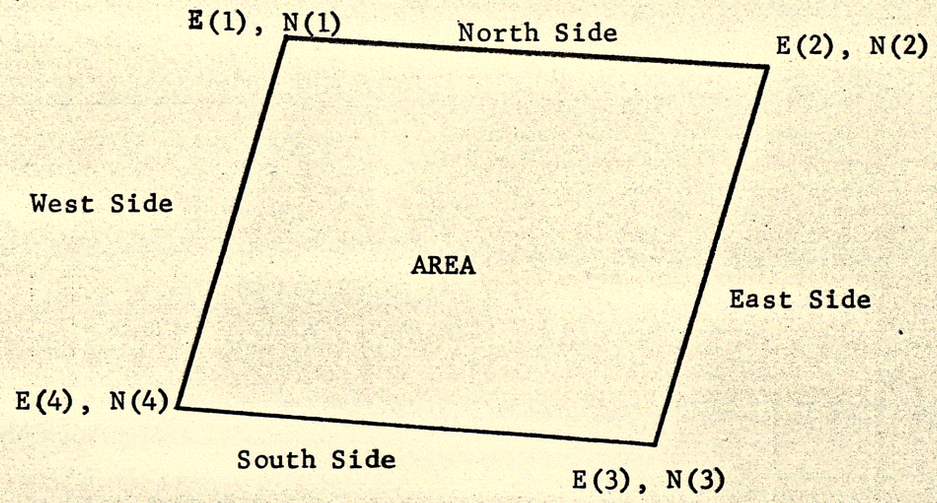
counter 75411

V"



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The following four pages of data are listed similarly to the data on pages 5 through 11. In the area column, the 53 at the end means only that there are three figures to the left of the decimal point. In the lengths, the 54 means only that there are four figures to the left of the decimal point. As noted on the data, the areas of Blk 115-Sec. 1, Blk 114-Sec. 1, and Blk 113-Sec. 1, areas where calculated for a 5-sided figure instead of the 4-sided figure common for all of the other areas.

counter 75412

Blk	Sec. No.	AREA Acres	LENGTH (Varas) of Sides of BLOCK: NORTH	EAST	SOUTH	WEST
115	7	6392749253	1896473354	1895477354	1901632854	1905343754
115	8	64345980 53	1901632854	1909045154	1904003854	1909055854
115	21	64222980 53	1904003854	1906173354	1900246954	1906031554
115	22	6525386353	1900246954	1933809054	1908313454	1935196154
109	7	648754345 3	1908313454	1908934854	1928886454	1909002754
109	8	64645916 53	1928886454	1895247154	1923119754	1894492854
109	21	6445125753	1923119754	1895217454	1917332754	1894482554
109	22	6427531553	1917332754	1896277854	1911563954	1894492854
115	6	6353885953	1896463354	1885600254	1898290354	1895477354
115	9	6422517553	1898290354	1909072554	1900192354	1909045154
115	20	641947165 3	1900192354	1906331454	1902078954	1906173354
115	23	651646665 3	1902078954	1932424954	1904001554	1933809054
109	6	6441380053	1904001554	1908912354	1905901854	1908934854
109	9	640285065 3	1905901854	1896005854	1907779254	1895247154
109	20	640911845 3	1907779254	1896005854	1909667954	1895217454
109	23	642074205 3	1909667954	1898076954	1911553554	1896277854
115	5	632066015 3	1896473354	1875725654	1898280354	1885600254
115	10	6422508853	1898280354	1909071954	1900181354	1909072554
115	19	641995045 3	1900181354	1906480954	1902077554	1906331454
115	24	651180035 3	1902077554	1931052754	1904000554	1932424954
109	5	6441361253	1904000554	1908952354	1905882854	1908912354
109	10	640538705 3	1905882854	1896775754	1907780654	1896005854
109	19	641175575 3	1907780654	1896786054	1909669054	1896005854
109	24	642677925 3	1909669054	1899847654	1911563554	1898076954
115	4	628743725 3	1896473354	1865863354	1898270754	1875725654
115	11	6422418653	1898270754	1909063454	1900161354	1909071954
115	18	642043355 3	1900161354	1906662154	1902068654	1906480954
115	25	650714215 3	1902068654	1929702754	1903982254	1931052754
109	4	6441362353	1903982254	1908943554	1905882854	1908952354
109	11	640795265 3	1905882854	1897547854	1907770654	1896775754
109	18	641426935 3	1907770654	1897528154	1909657654	1896786054
109	25	643279465 3	1909657654	1901659954	1911563554	1899847654
115	3	625419725 3	1896463354	1855992754	1898260354	1865863354
115	12	642234415 3	1898260354	1909056554	1900160954	1909063454
115	17	642099785 3	1900160954	1906845454	1902058254	1906662154
115	26	650246135 3	1902058254	1928325054	1903960854	1929702754
109	3	6441323153	1903960854	1908976354	1905872854	1908943554
109	12	641046735 3	1905872854	1898301854	1907759954	1897547854
109	17	641678505 3	1907759954	1898312154	1909648354	1897528154
109	26	643882925 3	1909648354	1903454054	1911553554	1901659954
115	2	622087905 3	1896473754	1846105854	1898210054	1855992754
115	13	642218625 3	1898210054	1909091554	1900112054	1909056554
115	16	642136245 3	1900112054	1906990454	1902017954	1906845454
115	27	649769745 3	1902017954	1926958654	1903940854	1928325054

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counter 45413

Blk	Sec. No.	AREA Acres	LENGTH (Varas) of Sides of BLOCK: NORTH	EAST	SOUTH	WEST
109	2	6441250353	1903940854	1908971354	1905841454	1908976354
109	13	6412998553	1905841454	1899117354	1907740654	1898301854
109	16	6419299353	1907740654	1899057354	1909647654	1898312154
109	27	6444911753	1909647654	1905269754	1911563554	1903454054
115	1*	~~6544689053~~ 654.47	1995408254	1855345654	1997383554	1846105854
115	14	6757682653	1997383554	1909055554	1999393054	1909091554
115	15	6757366653	1999393054	1907165154	2001379954	1906990454
115	28	6832117553	2001379954	1925531654	2003390754	1926958654
109	1	6777695853	2003390754	1909005854	2005382654	1908971354
109	14	6750726853	2005382654	1899892054	2007380354	1899117354
109	15	6757346953	2007380354	1899912354	2009371254	1899057354
109	28	6787995253	2009371254	1907154854	2011379554	1905269754
114	6	6259574453	1896471954	1869891454	1897999454	1855345654
114	7	6420711753	1897999454	1909105254	1899491754	1909055554
114	18	6419584553	1899491754	1907324854	1900987854	1907165154
114	19	6483939453	1900987854	1924160554	1902480354	1925531654
110	6	6435659253	1902480354	1909005354	1903980854	1909005854
110	7	6411304653	1903980854	1900692354	1905469254	1899892054
110	18	6416274553	1905469254	1900652454	1906965854	1899912354
110	19	6446596353	1906965854	1908364454	1908489554	1907154854
110	30	7337442453	1908453754	2169717454	1910152954	2169473154
114	5	6308132053	1896472154	1884453654	1897800354	1869891454
114	8	6419701953	1897800354	1909112154	1899060954	1909105254
114	17	6418266753	1899060954	1907491454	1900337254	1907324854
114	20	6476702253	1900337254	1922796354	1901609854	1924160554
110	5	6432300053	1901609854	1909011954	1902880454	1909005354
110	8	6409850653	1902880454	1901469554	1904147954	1900692354
110	17	6414029653	1904147954	1901459354	1905426754	1900652454
110	20	6439812253	1905426754	1907481454	1906701254	1907364854
110	29	7331053453	1906701254	2169999754	1908141754	2169717454
114	4	6356280353	1896471954	1899007954	1897349554	1884453654
114	9	6417412153	1897349554	1909121354	1898160054	1909112154
114	16	6414961753	1898160054	1907660754	1898966254	1907491454
114	21	6466581353	1898966254	1921435554	1899748954	1922796354
110	4	6425208553	1899748954	1909011154	1900559054	1909011954
110	9	6403848453	1900559054	1902238954	1901376154	1901469554
110	16	6406492753	1901376154	1902219254	1902173154	1901459354
110	21	6428495153	1902173154	1907660754	1902979754	1907481454
110	28	7334239653	1902979754	2180699554	1904039954	2169999754
114	3	6405774653	1896462154	1913573454	1897710354	1899007954
114	10	6419207353	1897710354	1909122054	1898870654	1909121354
114	15	6418460553	1898870654	1907822054	1900016754	1907660754
114	22	6466175553	1900016754	1920065454	1901179054	1921435554
110	3	6430642753	1901179054	1909052354	1902320854	1909011154

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V14

Blk	Sec. No.	AREA Acres		LENGTH (Varas) of Sides of BLOCK: NORTH	EAST	SOUTH	WEST
110	10	641 2920 953		1902320854	1903010254	1903477954	1902238954
110	15	641 6728 853		1903477954	1902980254	1904645154	1902219254
110	22	643 7961 653		1904645154	1907811754	1905800754	1907660754
110	27	736 4168 553		1905800754	2180876654	1907107454	2180699554
114	2	645 5669 953		1896471954	1928156554	1898260754	1913573454
114	11	642 1880 753		1898260754	1909121254	1899931154	1909122054
114	14	642 3479 753		1899931154	1908000854	1901617854	1907822054
114	23	646 7857 153		1901617854	1918723954	1903281254	1920065454
110	2	643 8682 453		1903281254	1909051254	1904961654	1909052354
110	11	642 5249 353		1904961654	1903769354	1906648454	1903010254
110	14	643 0844 853		1906648454	1903769654	1908326654	1902980254
110	23	645 1841 553		1908326654	1908020854	1910004554	1907811754
110	26	738 7063 553		1910004554	2183970754	1911957354	2180876654
114	1*	~~648 3710 753~~	649.14	1896451454	1931593854	1897059754	1928156554
114	12	641 5910 353		1897059754	1909117554	1897629754	1909121254
114	13	641 4347 653		1897629754	1908167354	1898195654	1908000854
114	24	644 9744 553		1898195654	1917349754	1898757754	1918723954
110	1	642 1497 253		1898757754	1909067654	1899328454	1909051254
110	12	640 6931 153		1899328454	1904556254	1899895954	1903769354
110	13	640 8765 053		1899895954	1904516254	1900472454	1903769654
110	24	642 3992 153		1900472454	1908167154	1901047754	1908020854
110	25	735 3146 453		1901047754	2182764554	1901695454	2183970754
113	6	648 1998 553		1896473354	1927381354	1896900154	1931593854
113	7	641 5189 253		1896900154	1909116254	1897380154	1909117554
113	18	641 3911 353		1897380154	1908335954	1897866254	1908167354
113	19	644 3818 153		1897866254	1915967854	1898338054	1917349754
111	6	641 9930 853		1898338054	1909066254	1898818054	1909067654
111	7	640 7637 353		1898818054	1905305154	1899304254	1904556254
111	18	640 9183 753		1899304254	1905305154	1899792154	1904516254
111	19	642 2033 753		1899792154	1908325754	1900277854	1908167154
111	30	734 4169 353		1900277854	2180551054	1900800654	2182764554
113	5	646 7774 353		1896463354	1923148654	1896899454	1927381354
113	8	641 5198 953		1896899454	1909135054	1897380154	1909116254
113	17	641 4441 853		1897380154	1908494754	1897865954	1908335954
113	20	643 9153 753		1897865954	1914596354	1898328054	1915967854
111	5	641 9908 153		1898328054	1909074854	1898818454	1909066254
111	8	641 0156 253		1898818454	1906064254	1899304954	1905305154
111	17	641 1820 053		1899304954	1906083954	1899802454	1905305154
111	20	642 2583 553		1899802454	1908494754	1900278554	1908325754
111	29	733 6664 253		1900278554	2178317654	1900800654	2180551054
113	4	645 3585 453		1896473354	1918936454	1896900154	1923148654
113	9	641 5175 453		1896900154	1909113954	1897379554	1909135054
113	16	641 4937 353		1897379554	1908643654	1897864854	1908494754
113	21	643 4556 053		1897864854	1913244954	1898327654	1914596354

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counter 45415

V15

Blk	Sec. No.	AREA Acres	LENGTH (Varas) of Sides of BLOCK: NORTH	EAST	SOUTH	WEST
111	4	641.9918253	1898327654	1909093754	1898808454	1909074854
111	9	641.2690853	1898808454	1906833154	1899305354	1906064254
111	16	641.4336653	1899305354	1906823154	1899791454	1906083954
111	21	642.3096753	1899791454	1908663854	1900267554	1908494754
111	28	732.9153553	1900267554	2176114154	1900800654	2178317654
113	3	643.9395453	1896472954	1914714254	1896899454	1918936454
113	10	641.5135053	1896899454	1909122954	1897379854	1909113954
113	15	641.5470153	1897379854	1908822654	1897866254	1908643654
113	22	642.9945053	1897866254	1911863654	1898328054	1913244954
111	3	641.9946953	1898328054	1909102754	1898808454	1909093754
111	10	641.5240753	1898808454	1907592254	1899304954	1906833154
111	15	641.6837653	1899304954	1907582454	1899791854	1906823154
111	22	642.3628853	1899791854	1908812854	1900277154	1908663854
111	27	732.1750053	1900277154	2173920954	1900800654	2176114154
113	2	642.5139153	1896463354	1910482254	1896889454	1914714254
113	11	641.5110553	1896889454	1909121954	1897379554	1909122954
113	14	641.6000153	1897379554	1908981954	1897855254	1908822654
113	23	642.5278853	1897855254	1910492254	1898327354	1911863654
111	2	641.9973853	1898327354	1909121954	1898808054	1909102754
111	11	641.7791753	1898808054	1908371654	1899295354	1907592254
111	14	641.9390153	1899295354	1908361654	1899792854	1907582454
111	23	642.4146653	1899792854	1908981954	1900278954	1908812854
111	26	731.4263253	1900278954	2171677954	1900800654	2173920954
113	1*	~~641.5884353~~ 641.31	1896467854	1909131154	1896929854	1910482254
113	12	641.5223053	1896929854	1909131154	1897410154	1909121954
113	13	641.6617653	1897410154	1909131154	1897895554	1908981954
113	24	642.0784753	1897895554	1909131154	1898357954	1910492254
111	1	642.0087353	1898357954	1909121154	1898838054	1909121954
111	12	642.0444453	1898838054	1909131454	1899314654	1908371654
111	13	642.2023453	1899314654	1909131154	1899801754	1908361654
111	24	642.4725353	1899801754	1909140954	1900297454	1908981954
111	25	730.6795053	1900297454	2169475554	1900800654	2171677954

*Area listed for Blk 115-Sec. 1, Blk 114-Sec. 1, and Blk 113-Sec. 1, is not total area. The total areas are: Blk 115-Sec. 1, 654.47 acres; Blk 114-Sec. 1, 649.14 acres; and Blk 113-Sec. 1, 641.31 acres.

counter 15716

V16

```
COGO

          ICES COGO I - GEOMETRIC PROCESSOR
        CIVIL ENGINEERING SYSTEMS LABORATORY
          DEPARTMENT OF CIVIL ENGINEERING
        MASSACHUSETTS INSTITUTE OF TECHNOLOGY
              CAMBRIDGE MASSACHUSETTS

$
$
$                    CITIES SERVICE OIL COMPANY
$                           MAY 7, 1968
$                          STEVE  LESSAR
$
$       THE UNIT OF DISTANCE IN THIS PROGRAM IS VARAS, HOWEVER COGO HANDLES THE
$ UNITS AS FEET WHEN CALCULATING ACRES.  THUS THE SQUARE FEET ARE ACTUALLY
$ SQUARE VARAS AND THE VALUES FOR ACRES PRINTED OUT ARE NOT APPLICABLE.  TO
$ OBTAIN ACRES DIVIDE THE SQUARE FEET VALUE BY 5645.376
$
$
SET SYSTEM  NE
$
STORE POINT 1  N 282344.27  E 262235.31
        POINT      1        N   282344.270    E   262235.310    S ***********    Z ***********

LOCATE POINT 2  FROM POINT 1  DISTANCE 1896.4666  S 87 42 18.1 E
        POINT      2        N   282268.328    E   264130.255    S ***********    Z ***********

LOC 3   2  1896.4666  S 87 42 18.1 E
        POINT      3        N   282192.385    E   266025.201    S ***********    Z ***********

LOC 4   3  1896.4666  S 87 42 18.1 E
        POINT      4        N   282116.443    E   267920.146    S ***********    Z ***********

LOC 5   4  1896.4666  S 87 42 18.1 E
        POINT      5        N   282040.501    E   269815.092    S ***********    Z ***********

LOC 6   5  1896.4666  S 87 42 18.1 E
        POINT      6        N   281964.558    E   271710.037    S ***********    Z ***********

LOC 7   6  1896.4666  S 87 42 18.1 E
        POINT      7        N   281888.616    E   273604.983    S ***********    Z ***********

$
$ CONTROL POINT BETWEEN POINTS  7 AND 8 WILL BE LABELED POINT 278.
$
LOC POINT 278    7  475.6104  S 87 42 18.1 E
        POINT    278        N   281869.571    E   274080.211    S ***********    Z ***********

LOC 8  278  1519.8301  S 88 23 40.7 E
        POINT      8        N   281826.992    E   275599.445    S ***********    Z ***********

LOC 9    8  1896.4666  S 88 23 40.7 E
        POINT      9        N   281773.863    E   277495.167    S ***********    Z ***********

LOC 10   9  1896.4666  S 88 23 40.7 E
        POINT     10        N   281720.733    E   279390.889    S ***********    Z ***********

LOC 11   10 1896.4666  S 88 23 40.7 E
        POINT     11        N   281667.603    E   281286.611    S ***********    Z ***********

LOC 12   11 1896.4666  S 88 23 40.7 E
        POINT     12        N   281614.473    E   283182.334    S ***********    Z ***********

LOC 13   12 1896.4666  S 88 23 40.7 E
        POINT     13        N   281561.343    E   285078.056    S ***********    Z ***********

$
$
$   CONTROL POINT BETWEEN POINTS 13 AND 14 IS LABELED 313.
$
LOC 313   13  773.6569 S 88 23 40.7 E
        POINT    313        N   281539.669    E   285851.409    S ***********    Z ***********

LOC 14   313  1122.8097  S 87 51 05.4 E
        POINT     14        N   281497.575    E   286973.429    S ***********    Z ***********

LOC 15   14  1896.4666   S 87 51 05.4 E
        POINT     15        N   281426.478    E   288868.563    S ***********    Z ***********

LOC 16   15  1896.4666   S 87 51 05.4 E
        POINT     16        N   281355.380    E   290763.696    S ***********    Z ***********

LOC 17   16  1896.4666   S 87 51 05.4 E
        POINT     17        N   281284.282    E   292658.829    S ***********    Z ***********

LOC 18   17  1896.4666   S 87 51 05.4 E
        POINT     18        N   281213.184    E   294553.963    S ***********    Z ***********

LOC 19   18  1896.4666   S 87 51 05.4 E
        POINT     19        N   281142.086    E   296449.096    S ***********    Z ***********

$
$ CONTROL POINT BETWEEN POINTS 19 AND 20 IS  LABED POINT  219.
$
LOC 219   19  1067.4673  S 87 51 05.4 E
        POINT    219        N   281102.067    E   297515.813    S ***********    Z ***********

LOC 20   219  829.00 S 88 02 59.7 E
        POINT     20        N   281073.858    E   298344.333    S ***********    Z ***********

LOC  40  2    1909.798   S 1 16 18.4 W
        POINT     40        N   279164.530    E   298301.945    S ***********    Z ***********
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counter 45341

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$
$ CONTROL POINT BETWEEN POINTS 19 AND 20 IS  LABED POINT  219.
$
LOC 219   19  1067.4673  S 87 51 05.4 E
          POINT     219        N    281102.067    E    297515.813    S ************    Z ************
LOC 20   219  829.00 S 88 02 59.7 E
          POINT      20        N    281073.858    E    298344.333    S ************    Z ************
LOC  40   2[illegible]  1909.798   S 1 16 18.4 W
          POINT      40        N    279164.530    E    298301.945    S ************    Z ************
LOC  60   40   1909.798   S 1 16 18.4 W
          POINT      60        N    277255.203    E    298259.557    S ************    Z ************
LOC  80   6[illegible]  1909.798   S 1 16 18.4 W
          POINT      80        N    275345.875    E    298217.170    S ************    Z ************
LOC 100   80   1909.798   S 1 16 18.4 W
          POINT     100        N    273436.548    E    298174.782    S ************    Z ************
LOC 120 100   1909.798   S 1 16 18.4 W
          POINT     120        N    271527.221    E    298132.394    S ************    Z ************
LOC 140 120   1909.798   S 1 16 18.4 W
          POINT     140        N    269617.893    E    298090.006    S ************    Z ************
LOC 160 140   1909.798   S 1 16 18.4 W
          POINT     160        N    267708.566    E    298047.619    S ************    Z ************
LOC 180 160   1909.798   S 1 16 18.4 W
          POINT     180        N    265799.238    E    298005.231    S ************    Z ************
LOC 193   20  17444.10  S 1 16 18.4 W
          POINT     193        N    263634.057    E    297957.163    S ************    Z ************
$
$  POINT  193 HAS BEEN LOCATED FROM POINT 20, NOW WE SHALL CHECK THE  DISTANCE
$ BETWEEN POINT 180 AND 193 WHICH SHOULD BE 2165.71 VARAS, CALLED  DIST. Y
$
STORE DISTANCE 'Y' DIST 180 TO 193
    DISTANCE Y       2165.715
PRINT DIST 'Y'
    DISTANCE Y       2165.715
$
LOC  192 193   1900.80  N 88 1 56.9 W
          POINT     192        N    263699.317    E    296057.484    S ************    Z ************
LOC  191 192   1900.80  N 88 1 56.9 W
          POINT     191        N    263764.578    E    294157.805    S ************    Z ************
LOC  190 191   1900.80  N 88 1 56.9 W
          POINT     190        N    263829.838    E    292258.125    S ************    Z ************
LOC  189 190   1900.80  N 88 1 56.9 W
          POINT     189        N    263895.098    E    290358.446    S ************    Z ************
LOC  188 189   1900.80  N 88 1 56.9 W
          POINT     188        N    263960.359    E    288458.767    S ************    Z ************
LOC 187  193 11404.80  N 88 1 56.9 W
          POINT     187        N    264025.619    E    286559.090    S ************    Z ************
$
$    POINT 187 IS LOCATED FROM 193 , CHECK DISTANCE FROM  188 TO 187 WHICH
$ SHOULD BE  EQUAL TO 1900.80 . DIST. CALLED  Z
$
STORE DISTANCE 'Z' DIST 188 TO 187
    DISTANCE Z       1900.798
PRINT DIST 'Z'
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counter 45342

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$
LOC 186   187 1900.91 N 87 59 30.8 W
          POINT     186          N    264092.229     E    284659.347     S ************     Z ************

LOC 185   186 1910.10 N 87 52 6.9 W
          POINT     185          N    264163.269     E    282750.569     S ************     Z ************

LOC 184   185 1907.40 N 87 57 40.1 W
          POINT     184          N    264231.129     E    280844.377     S ************     Z ************

LOC 183   184 1904.27 N 87 39 17.6 W
          POINT     183          N    264309.049     E    278941.702     S ************     Z ************

LOC 182   183 1907.68 N 87 49 53.8 W
          POINT     182          N    264381.228     E    277035.388     S ************     Z ************

LOC 181   182 1907.68 N 87 49 53.8 W
          POINT     181          N    264453.408     E    275129.074     S ************     Z ************
$
LOC 21    1   1903.25  S 2 4 14.6 W
          POINT      21          N    280442.263     E    262166.540     S ************     Z ************

LOC 41 21   1908.98  S 1 59 5.7 W
          POINT      41          N    278534.428     E    262100.420     S ************     Z ************

LOC 61 41   1906.57  S 1 48 3.6 W
          POINT      61          N    276628.800     E    262040.500     S ************     Z ************

LOC 81 61   1933.97  S 2 09 11.3 W
          POINT      81          N    274696.196     E    261967.839     S ************     Z ************

LOC 101   81  1907.68  S 2 31 52.4 W
          POINT     101          N    272790.377     E    261883.589     S ************     Z ************

LOC 121 101   1894.81  S 1 44 13.5 W
          POINT     121          N    270896.438     E    261826.151     S ************     Z ************

LOC 141 121   1894.81  S 1 44 13.5 W
          POINT     141          N    269002.499     E    261768.713     S ************     Z ************

LOC 161 141   1894.81  S 1 44 13.5 W
          POINT     161          N    267108.560     E    261711.276     S ************     Z ************

LOC   162 161   1912.218   S 87 55 00.1 E
          POINT     162          N    267039.046     E    263622.230     S ************     Z ************

LOC   163 162   1912.218   S 87 55 00.1 E
          POINT     163          N    266969.532     E    265533.183     S ************     Z ************

LOC   164 163   1912.218   S 87 55 00.1 E
          POINT     164          N    266900.018     E    267444.137     S ************     Z ************

LOC   165 164   1912.218   S 87 55 00.1 E
          POINT     165          N    266830.504     E    269355.091     S ************     Z ************

LOC   166 165   1912.218   S 87 55 00.1 E
          POINT     166          N    266760.990     E    271266.045     S ************     Z ************

LOC   167 1     1912.218   S 87 55 00.1 E
          POINT     167          N    266691.476     E    273176.999     S ************     Z ************
$
$ NOW WE SHALL ATTEMPT TO LOCATE POINT 168
$
STORE LINE 161 THRU POINT 161 AT S 87 55 0.1 E
    LINE 161 THRU     161   AT BEARING  S 87 55  0 E

STORE LINE   8  THRU POINT 8 TOWARD POINT 181
    LINE    8 THRU       8  AT BEARING  S  1 33  3 W

LOCATE POINT 168 INT LINE 8 WITH LINE 161
          POINT     168          N    266618.334     E    275187.687     S ************     Z ************
          ACUTE ANGLE OF INTERSECTION EQUALS   89 DEGREES   28 MINUTES    3.133 SECONDS.
$
$  POINT 168 LOCATED FROM 161, CHECK DIST. FROM 167 TO 168 WHICH SHOULD BE
$ EQUAL TO   2012.014   CALLED DIST. W .
$
STORE DIST 'W' DIST 167 TO 168
    DISTANCE W       2012.018

PRINT DIST 'W'
    DISTANCE W       2012.018

$
STORE DIST 'X' DIST 168 TO 181
    DISTANCE X       2165.719

PRINT DIST 'X'
    DISTANCE X       2165.719

$ DISTANCE  X  SHOULD BE EQUAL TO 2165.71 VARAS
$
STORE DIST 'V' DIST 168 TO 8
    DISTANCE V      15214.231

PRINT DIST 'V'
    DISTANCE V      15214.231

$
$ LINE WHICH RUN N-S ARE NAMED AFTER THE POINT ON N-SIDE OF GRID.
$ LINES WHICH RUN E-W ARE NAMED AFTER THE POINT ON W-SIDE OF GRID.
$
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counter 45343

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$

STORE LINE  21  THRU POINT 21 TOWARD  POINT 40 , PRINT
    LINE  21 THRU     21  AT BEARING  S 87 58 30 E

D     DIST '21' DIST 21  TO  40
    DISTANCE 21    36157.988

D     LINE  41  THRU  41  TO   60 , PRINT
    LINE  41 THRU     41  AT BEARING  S 87 58 26 E

D     DIST '41' DIST 41 TO 60
    DISTANCE 41    36181.759

D     LINE  61  THRU  61  TO   80 , PRINT
    LINE  61 THRU     61  AT BEARING  S 87 58  8 E

D     DIST '61' DIST 61 TO 80
    DISTANCE 61    36199.411

D     LINE  81  THRU  81  TO  100 , PRINT
    LINE  81 THRU     81  AT BEARING  S 88  0 27 E

D     DIST '81' DIST 81  TO 100
    DISTANCE 81    36228.848

D     LINE 101  THRU 101  TO  120 , PRINT
    LINE 101 THRU    101  AT BEARING  S 88  0 15 E

D     DIST '101'  DIST 101  TO  120
    DISTANCE 101   36270.807

D     LINE 121  THRU 121  TO  140 , PRINT
    LINE 121 THRU    121  AT BEARING  S 87 58 51 E

D     DIST '121'  DIST 121  TO  140
    DISTANCE 121   36286.387

D     LINE 141  THRU 141  TO  160 , PRINT
    LINE 141 THRU    141  AT BEARING  S 87 57 26 E

D     DIST '141'  DIST 141  TO  160
    DISTANCE 141   36301.973

D     LINE 168 THRU 168 TO 180
    LINE 168 THRU    168  AT BEARING  S 87 56 39 E

D     DIST '168'  DIST 168 TO 180
    DISTANCE 168   22832.241

D     DIST '161'  DIST 161  TO  168
    DISTANCE 161   13485.325

D     LINE  2  THRU  2  TO 162 , PRINT
    LINE   2 THRU      2  AT BEARING  S  1 54 38 W

D     DIST  '2'   DIST  2  TO 162
    DISTANCE 2     15237.753

D     LINE  3  THRU  3  TO 163 , PRINT
    LINE   3 THRU      3  AT BEARING  S  1 51  4 W

D     DIST  '3'   DIST  3  TO 163
    DISTANCE 3     15230.802

D     LINE  4  THRU  4  TO 164 , PRINT
    LINE   4 THRU      4  AT BEARING  S  1 47 30 W

D     DIST  '4'   DIST  4  TO 164
    DISTANCE 4     15223.869

D     LINE  5  THRU  5  TO 165 , PRINT
    LINE   5 THRU      5  AT BEARING  S  1 43 56 W

D     DIST  '5'   DIST  5  TO 165
    DISTANCE 5     15216.951
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counter 45374

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D      LINE  6  THRU  6  TO 166 , PRINT
     LINE   6 THRU       6  AT BEARING  S  1 40 22 W

D       DIST  '6'  DIST  6  TO 166
     DISTANCE 6      15210.05

D      LINE  7  THRU  7  TO 167 , PRINT
     LINE   7 THRU       7  AT BEARING  S  1 36 47 W

D       DIST  '7'  DIST  7  TO 167
     DISTANCE 7      15203.165

D       DIST  '8'  DIST  8  TO 181
     DISTANCE 8      17379.950

D      LINE  9  THRU  9  TO 182 , PRINT
     LINE   9 THRU       9  AT BEARING  S  1 30 51 W

D       DIST  '9'  DIST  9  TO 182
     DISTANCE 9      17398.710

D      LINE 10  THRU 10  TO 183 , PRINT
     LINE  10 THRU      10  AT BEARING  S  1 28 40 W

D       DIST '10'  DIST 10  TO 183
     DISTANCE 10     17417.477

D      LINE 11  THRU 11  TO 184 , PRINT
     LINE  11 THRU      11  AT BEARING  S  1 27 10 W

D       DIST '11'  DIST 11  TO 184
     DISTANCE 11     17442.081

D      LINE 12  THRU 12  TO 185 , PRINT
     LINE  12 THRU      12  AT BEARING  S  1 25  2 W

D       DIST '12'  DIST 12  TO 185
     DISTANCE 12     17456.545

D      LINE 13  THRU 13  TO 186 , PRINT
     LINE  13 THRU      13  AT BEARING  S  1 22 23 W

D       DIST '13'  DIST 13  TO 186
     DISTANCE 13     17474.132

D      LINE 14  THRU 14  TO 187 , PRINT
     LINE  14 THRU      14  AT BEARING  S  1 21 31 W

D       DIST '14'  DIST 14  TO 187
     DISTANCE 14     17476.869

D      LINE 15  THRU 15  TO 188 , PRINT
     LINE  15 THRU      15  AT BEARING  S  1 20 39 W

D       DIST '15'  DIST 15  TO 188
     DISTANCE 15     17470.926

STORE LINE 16  THRU  16  TO  189 ,PRINT
     LINE  16 THRU      16  AT BEARING  S  1 19 47 W

D       DIST '16'  DIST 16  TO 189
     DISTANCE 16     17464.984

D      LINE 17  THRU  17  TO  190 ,PRINT
     LINE  17 THRU      17  AT BEARING  S  1 18 54 W

D       DIST '17'  DIST 17  TO 190
     DISTANCE 17     17459.043

D      LINE 18  THRU  18  TO  191 ,PRINT
     LINE  18 THRU      18  AT BEARING  S  1 18  2 W

D       DIST '18'  DIST 18  TO 191
     DISTANCE 18     17453.103

D      LINE 19  THRU  19  TO  192 ,PRINT
     LINE  19 THRU      19  AT BEARING  S  1 17 10 W

D       DIST '19'  DIST 19  TO 192
     DISTANCE 19     17447.165

LOCATE POINT  22  INTERSECT LINE  2  WITH LINE  21
          POINT     22        N   280375.060     E   264067.099     S ************     Z ************
          ACUTE ANGLE OF INTERSECTION EQUALS  89 DEGREES  53 MINUTES   7.733 SECONDS.

LOCATE   23  INT  LINE  3  WITH LINE 21
          POINT     23        N   280307.976     E   265964.295     S ************     Z ************
          ACUTE ANGLE OF INTERSECTION EQUALS  89 DEGREES  49 MINUTES  33.960 SECONDS.

D         24  INT  LINE  4  WITH LINE 21
          POINT     24        N   280240.892     E   267861.474     S ************     Z ************
          ACUTE ANGLE OF INTERSECTION EQUALS  89 DEGREES  45 MINUTES  59.992 SECONDS.

D         25  INT  LINE  5  WITH LINE 21
          POINT     25        N   280173.810     E   269758.637     S ************     Z ************
          ACUTE ANGLE OF INTERSECTION EQUALS  89 DEGREES  42 MINUTES  25.829 SECONDS.

D         26  INT  LINE  6  WITH LINE 21
          POINT     26        N   280106.727     E   271655.783     S ************     Z ************
          ACUTE ANGLE OF INTERSECTION EQUALS  89 DEGREES  38 MINUTES  51.472 SECONDS.

D         27  INT  LINE  7  WITH LINE 21
          POINT     27        N   280039.646     E   273552.912     S ************     Z ************
          ACUTE ANGLE OF INTERSECTION EQUALS  89 DEGREES  35 MINUTES  16.920 SECONDS.

D         28  INT  LINE  8  WITH LINE 21
          POINT     28        N   279969.060     E   275549.143     S ************     Z ************
          ACUTE ANGLE OF INTERSECTION EQUALS  89 DEGREES  31 MINUTES  32.635 SECONDS.

D         29  INT  LINE  9  WITH LINE 21
          POINT     29        N   279901.999     E   277445.684     S ************     Z ************
          ACUTE ANGLE OF INTERSECTION EQUALS  89 DEGREES  29 MINUTES  21.001 SECONDS.

D         30  INT  LINE 10  WITH LINE 21
          POINT     30        N   279834.937     E   279342.239     S ************     Z ************
          ACUTE ANGLE OF INTERSECTION EQUALS  89 DEGREES  27 MINUTES   9.652 SECONDS.

D         31  INT  LINE 11  WITH LINE 21
          POINT     31        N   279767.889     E   281238.430     S ************     Z ************
          ACUTE ANGLE OF INTERSECTION EQUALS  89 DEGREES  25 MINUTES  39.898 SECONDS.

D         32  INT  LINE 12  WITH LINE 21
          POINT     32        N   279700.827     E   283134.988     S ************     Z ************
          ACUTE ANGLE OF INTERSECTION EQUALS  89 DEGREES  23 MINUTES  31.810 SECONDS.
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counter 45345

D 33 INT LINE 13 WITH LINE 21
POINT 33 N 279633.755 E 285031.854 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 20 MINUTES 52.513 SECONDS.

D 34 INT LINE 14 WITH LINE 21
POINT 34 N 279566.721 E 286927.640 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 20 MINUTES 0.158 SECONDS.

D 35 INT LINE 15 WITH LINE 21
POINT 35 N 279499.689 E 288[illegible]8.356 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 19 MINUTES 8.162 SECONDS.

D 36 INT LINE 16 WITH LINE 21
POINT 36 N 279432.657 E 290719.070 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 18 MINUTES 16.107 SECONDS.

D 37 INT LINE 17 WITH LINE 21
POINT 37 N 279365.626 E 292614.782 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 17 MINUTES 24.016 SECONDS.

D 38 INT LINE 18 WITH LINE 21
POINT 38 N 279298.594 E 294510.493 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 16 MINUTES 31.890 SECONDS.

D 39 INT LINE 19 WITH LINE 21
POINT 39 N 279231.563 E 296406.202 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 15 MINUTES 39.729 SECONDS.

D 42 INT LINE 2 WITH LINE 41
POINT 42 N 278467.103 E 264003.452 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 53 MINUTES 4.009 SECONDS.

D 43 INT LINE 3 WITH LINE 41
POINT 43 N 278399.915 E 265902.625 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 49 MINUTES 30.236 SECONDS.

D 44 INT LINE 4 WITH LINE 41
POINT 44 N 278332.727 E 267801.782 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 45 MINUTES 56.268 SECONDS.

D 45 INT LINE 5 WITH LINE 41
POINT 45 N 278265.540 E 269700.924 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 42 MINUTES 22.105 SECONDS.

LOCATE 46 INT LINE 6 WITH LINE 41
POINT 46 N 278198.354 E 271600.052 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 38 MINUTES 47.748 SECONDS.

D 47 INT LINE 7 WITH LINE 41
POINT 47 N 278131.167 E 273499.165 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 35 MINUTES 13.196 SECONDS.

D 48 INT LINE 8 WITH LINE 41
POINT 48 N 278060.472 E 275497.470 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 31 MINUTES 28.910 SECONDS.

D 49 INT LINE 9 WITH LINE 41
POINT 49 N 277993.334 E 277395.228 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 29 MINUTES 17.277 SECONDS.

D 50 INT LINE 10 WITH LINE 41
POINT 50 N 277926.195 E 279292.998 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 27 MINUTES 5.928 SECONDS.

D 51 INT LINE 11 WITH LINE 41
POINT 51 N 277859.083 E 281190.017 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 25 MINUTES 36.174 SECONDS.

D 52 INT LINE 12 WITH LINE 41
POINT 52 N 277791.945 E 283087.760 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 23 MINUTES 28.086 SECONDS.

D 53 INT LINE 13 WITH LINE 41
POINT 53 N 277724.787 E 284986.099 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 20 MINUTES 48.789 SECONDS.

D 54 INT LINE 14 WITH LINE 41
POINT 54 N 277657.701 E 286882.368 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 19 MINUTES 56.434 SECONDS.

D 55 INT LINE 15 WITH LINE 41
POINT 55 N 277590.618 E 288778.564 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 19 MINUTES 4.437 SECONDS.

D 56 INT LINE 16 WITH LINE 41
POINT 56 N 277523.535 E 290674.760 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 18 MINUTES 12.382 SECONDS.

D 57 INT LINE 17 WITH LINE 41
POINT 57 N 277456.452 E 292570.953 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 17 MINUTES 20.292 SECONDS.

D 58 INT LINE 18 WITH LINE 41
POINT 58 N 277389.369 E 294467.146 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 16 MINUTES 28.166 SECONDS.

D 59 INT LINE 19 WITH LINE 41
POINT 59 N 277322.287 E 296363.337 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 15 MINUTES 36.005 SECONDS.

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ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 15 MINUTES 36.005 SECONDS.

LOCATE 62 INT LINE 2 WITH LINE 61
POINT 62 N 276561.443 E 263939.882 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 52 MINUTES 46.475 SECONDS.

D 63 INT LINE 3 WITH LINE 61
POINT 63 N 276494.023 E 265841.024 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 49 MINUTES 12.702 SECONDS.

D 64 INT LINE 4 WITH LINE 61
POINT 64 N 276426.604 E 267742.153 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 45 MINUTES 38.734 SECONDS.

D 65 INT LINE 5 WITH LINE 61
POINT 65 N 276359.185 E 269643.270 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 42 MINUTES 4.571 SECONDS.

D 66 INT LINE 6 WITH LINE 61
POINT 66 N 276291.767 E 271544.374 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 38 MINUTES 30.214 SECONDS.

D 67 INT LINE 7 WITH LINE 61
POINT 67 N 276224.349 E 273445.465 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 34 MINUTES 55.662 SECONDS.

D 68 INT LINE 8 WITH LINE 61
POINT 68 N 276153.410 E 275445.839 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 31 MINUTES 11.376 SECONDS.

D 69 INT LINE 9 WITH LINE 61
POINT 69 N 276086.067 E 277344.809 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 28 MINUTES 59.743 SECONDS.

D 70 INT LINE 10 WITH LINE 61
POINT 70 N 276018.724 E 279243.789 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 26 MINUTES 48.394 SECONDS.

D 71 INT LINE 11 WITH LINE 61
POINT 71 N 275951.421 E 281141.634 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 25 MINUTES 18.640 SECONDS.

D 72 INT LINE 12 WITH LINE 61
POINT 72 N 275884.080 E 283040.557 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 23 MINUTES 10.552 SECONDS.

D 73 INT LINE 13 WITH LINE 61
POINT 73 N 275816.708 E 284[illegible].366 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 20 MINUTES 31.255 SECONDS.

D 74 INT LINE 14 WITH LINE 61
POINT 74 N 275749.444 E 286837.115 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 19 MINUTES 38.900 SECONDS.

D 75 INT LINE 15 WITH LINE 61
POINT 75 N 275682.182 E 288733.788 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 18 MINUTES 46.903 SECONDS.

D 76 INT LINE 16 WITH LINE 61
POINT 76 N 275614.921 E 290630.461 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 17 MINUTES 54.848 SECONDS.

D 77 INT LINE 17 WITH LINE 61
POINT 77 N 275547.660 E 292527.133 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 17 MINUTES 2.758 SECONDS.

D 78 INT LINE 18 WITH LINE 61
POINT 78 N 275480.399 E 294423.804 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 16 MINUTES 10.632 SECONDS.

D 79 INT LINE 19 WITH LINE 61
POINT 79 N 275413.137 E 296320.474 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 15 MINUTES 18.471 SECONDS.

LOCATE 82 INT LINE 2 WITH LINE 81
POINT 82 N 274629.830 E 263875.447 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 55 MINUTES 5.026 SECONDS.

D 83 INT LINE 3 WITH LINE 81
POINT 83 N 274563.617 E 265778.632 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 51 MINUTES 31.253 SECONDS.

D 84 INT LINE 4 WITH LINE 81
POINT 84 N 274497.406 E 267681.803 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 47 MINUTES 57.285 SECONDS.

D 85 INT LINE 5 WITH LINE 81
POINT 85 N 274431.194 E 269584.961 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 44 MINUTES 23.122 SECONDS.

D 86 INT LINE 6 WITH LINE 81
POINT 86 N 274364.984 E 271488.106 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 40 MINUTES 48.765 SECONDS.

D 87 INT LINE 7 WITH LINE 81
POINT 87 N 274298.773 E 273391.236 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 37 MINUTES 14.213 SECONDS.

D 88 INT LINE 8 WITH LINE 81
POINT 88 N 274229.106 E 275393.740 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 33 MINUTES 29.927 SECONDS.

D 89 INT LINE 9 WITH LINE 81
POINT 89 N 274162.996 E 277293.972 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 31 MINUTES 18.294 SECONDS.

D 90 INT LINE 10 WITH LINE 81
POINT 90 N 274096.886 E 279194.209 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 29 MINUTES 6.945 SECONDS.

D 91 INT LINE 11 WITH LINE 81
POINT 91 N 274030.830 E 281092.923 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 27 MINUTES 37.190 SECONDS.

D 92 INT LINE 12 WITH LINE 81
POINT 92 N 273964.723 E 282993.069 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 25 MINUTES 29.102 SECONDS.

D 93 INT LINE 13 WITH LINE 81
POINT 93 N 273898.576 E 284894.391 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 22 MINUTES 49.806 SECONDS.

D 94 INT LINE 14 WITH LINE 81
POINT 94 N 273832.570 E 286791.657 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 21 MINUTES 57.451 SECONDS.

D 95 INT LINE 15 WITH LINE 81
POINT 95 N 273766.566 E 288688.843 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 21 MINUTES 5.454 SECONDS.

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D 96 INT LINE 16 WITH LINE 81
POINT 96 N 273700.562 E 290586.029 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 20 MINUTES 13.399 SECONDS.

D 97 INT LINE 17 WITH LINE 81
POINT 97 N 273634.559 E 292483.214 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 19 MINUTES 21.309 SECONDS.

D 98 INT LINE 18 WITH LINE 81
POINT 98 N 273568.556 E 294380.397 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 18 MINUTES 29.183 SECONDS.

D 99 INT LINE 19 WITH LINE 81
POINT 99 N 273502.552 E 296277.579 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 17 MINUTES 37.021 SECONDS.

LOCATE 102 INT LINE 2 WITH LINE 101
POINT 102 N 272723.184 E 263811.844 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 54 MINUTES 53.361 SECONDS.

D 103 INT LINE 3 WITH LINE 101
POINT 103 N 272656.795 E 265717.001 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 51 MINUTES 19.588 SECONDS.

D 104 INT LINE 4 WITH LINE 101
POINT 104 N 272590.406 E 267622.147 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 47 MINUTES 45.620 SECONDS.

D 105 INT LINE 5 WITH LINE 101
POINT 105 N 272524.019 E 269527.282 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 44 MINUTES 11.458 SECONDS.

D 106 INT LINE 6 WITH LINE 101
POINT 106 N 272457.631 E 271432.405 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 40 MINUTES 37.100 SECONDS.

D 107 INT LINE 7 WITH LINE 101
POINT 107 N 272391.244 E 273337.516 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 37 MINUTES 2.549 SECONDS.

D 108 INT LINE 8 WITH LINE 101
POINT 108 N 272321.391 E 275342.091 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 33 MINUTES 18.263 SECONDS.

D 109 INT LINE 9 WITH LINE 101
POINT 109 N 272255.131 E 277243.537 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 31 MINUTES 6.630 SECONDS.

D 110 INT LINE 10 WITH LINE 101
POINT 110 N 272188.872 E 279144.986 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 28 MINUTES 55.280 SECONDS.

D 111 INT LINE 11 WITH LINE 101
POINT 111 N 272122.679 E 281[illegible].527 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 27 MINUTES 25.526 SECONDS.

D 112 INT LINE 12 WITH LINE 101
POINT 112 N 272056.424 E 282945.856 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 25 MINUTES 17.438 SECONDS.

D 113 INT LINE 13 WITH LINE 101
POINT 113 N 271990.117 E 284848.648 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 22 MINUTES 38.141 SECONDS.

D 114 INT LINE 14 WITH LINE 101
POINT 114 N 271923.987 E 286746.396 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 21 MINUTES 45.786 SECONDS.

D 115 INT LINE 15 WITH LINE 101
POINT 115 N 271857.859 E 288644.061 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 20 MINUTES 53.790 SECONDS.

D 116 INT LINE 16 WITH LINE 101
POINT 116 N 271791.731 E 290541.726 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 20 MINUTES 1.735 SECONDS.

D 117 INT LINE 17 WITH LINE 101
POINT 117 N 271725.604 E 292439.390 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 19 MINUTES 9.644 SECONDS.

D 118 INT LINE 18 WITH LINE 101
POINT 118 N 271659.476 E 294337.053 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 18 MINUTES 17.518 SECONDS.

D 119 INT LINE 19 WITH LINE 101
POINT 119 N 271593.349 E 296234.715 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 17 MINUTES 25.357 SECONDS.

LOCATE 122 INT LINE 2 WITH LINE 121
POINT 122 N 270828.657 E 263748.645 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 53 MINUTES 28.921 SECONDS.

D 123 INT LINE 3 WITH LINE 121
POINT 123 N 270761.419 E 265655.741 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 49 MINUTES 55.148 SECONDS.

D 124 INT LINE 4 WITH LINE 121
POINT 124 N 270694.182 E 267562.829 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 46 MINUTES 21.180 SECONDS.

D 125 INT LINE 5 WITH LINE 121
POINT 125 N 270626.944 E 269469.908 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 42 MINUTES 47.017 SECONDS.

D 126 INT LINE 6 WITH LINE 121
POINT 126 N 270559.707 E 271376.980 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 39 MINUTES 12.660 SECONDS.

D 127 INT LINE 7 WITH LINE 121
POINT 127 N 270492.470 E 273284.043 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 35 MINUTES 38.108 SECONDS.

D 128 INT LINE 8 WITH LINE 121
POINT 128 N 270421.724 E 275290.660 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 31 MINUTES 53.822 SECONDS.

D 129 INT LINE 9 WITH LINE 121
POINT 129 N 270354.643 E 277193.297 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 29 MINUTES 42.189 SECONDS.

D 130 INT LINE 10 WITH LINE 121
POINT 130 N 270287.562 E 279095.936 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 27 MINUTES 30.840 SECONDS.

D 131 INT LINE 11 WITH LINE 121
POINT 131 N 270220.562 E 280996.284 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 26 MINUTES 1.086 SECONDS.

D 132 INT LINE 12 WITH LINE 121
POINT 132 N 270153.486 E 282898.775 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 23 MINUTES 52.998 SECONDS.

D 133 INT LINE 13 WITH LINE 121

D 133 INT LINE 13 WITH LINE 121
POINT 133 N 270086.349 E 284803.017 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 21 MINUTES 13.701 SECONDS.

D 134 INT LINE 14 WITH LINE 121
POINT 134 N 270019.424 E 286701.230 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 20 MINUTES 21.346 SECONDS.

D 135 INT LINE 15 WITH LINE 121
POINT 135 N 269952.502 E 288599.357 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 19 MINUTES 29.349 SECONDS.

D 136 INT LINE 16 WITH LINE 121
POINT 136 N 269885.581 E 290497.484 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 18 MINUTES 37.294 SECONDS.

D 137 INT LINE 17 WITH LINE 121
POINT 137 N 269818.659 E 292395.612 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 17 MINUTES 45.204 SECONDS.

D 138 INT LINE 18 WITH LINE 121
POINT 138 N 269751.737 E 294293.739 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 16 MINUTES 53.078 SECONDS.

D 139 INT LINE 19 WITH LINE 121
POINT 139 N 269684.815 E 296191.866 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 16 MINUTES 0.917 SECONDS.

LOCATE 142 INT LINE 2 WITH LINE 141
POINT 142 N 268934.136 E 263685.447 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 52 MINUTES 4.553 SECONDS.

D 143 INT LINE 3 WITH LINE 141
POINT 143 N 268866.048 E 265594.481 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 48 MINUTES 30.780 SECONDS.

D 144 INT LINE 4 WITH LINE 141
POINT 144 N 268797.960 E 267503.510 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 44 MINUTES 56.812 SECONDS.

D 145 INT LINE 5 WITH LINE 141
POINT 145 N 268729.872 E 269412.534 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 41 MINUTES 22.649 SECONDS.

D 146 INT LINE 6 WITH LINE 141
POINT 146 N 268661.785 E 271321.554 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 37 MINUTES 48.292 SECONDS.

D 147 INT LINE 7 WITH LINE 141
POINT 147 N 268593.697 E 273230.569 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 34 MINUTES 13.740 SECONDS.

D 148 INT LINE 8 WITH LINE 141
POINT 148 N 268522.056 E 275239.228 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 30 MINUTES 29.454 SECONDS.

D 149 INT LINE 9 WITH LINE 141
POINT 149 N 268454.154 E 277[illegible]8.057 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 28 MINUTES 17.821 SECONDS.

D 150 INT LINE 10 WITH LINE 141
POINT 150 N 268386.251 E 279046.886 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 26 MINUTES 6.472 SECONDS.

D 151 INT LINE 11 WITH LINE 141
POINT 151 N 268318.444 E 280948.042 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 24 MINUTES 36.718 SECONDS.

D 152 INT LINE 12 WITH LINE 141
POINT 152 N 268250.548 E 282851.693 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 22 MINUTES 28.630 SECONDS.

D 153 INT LINE 13 WITH LINE 141
POINT 153 N 268182.579 E 284757.387 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 19 MINUTES 49.333 SECONDS.

D 154 INT LINE 14 WITH LINE 141
POINT 154 N 268114.860 E 286656.064 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 18 MINUTES 56.978 SECONDS.

D 155 INT LINE 15 WITH LINE 141
POINT 155 N 268047.145 E 288554.653 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 18 MINUTES 4.981 SECONDS.

D 156 INT LINE 16 WITH LINE 141
POINT 156 N 267979.429 E 290453.243 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 17 MINUTES 12.926 SECONDS.

D 157 INT LINE 17 WITH LINE 141
POINT 157 N 267911.713 E 292351.834 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 16 MINUTES 20.836 SECONDS.

D 158 INT LINE 18 WITH LINE 141
POINT 158 N 267843.998 E 294250.425 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 15 MINUTES 28.710 SECONDS.

D 159 INT LINE 19 WITH LINE 141
POINT 159 N 267776.282 E 296149.017 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 14 MINUTES 36.549 SECONDS.

LOCATE 169 INT LINE 9 WITH LINE 168
POINT 169 N 266549.948 E 277092.719 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 27 MINUTES 30.160 SECONDS.

D 170 INT LINE 10 WITH LINE 168
POINT 170 N 266481.562 E 278997.748 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 25 MINUTES 18.810 SECONDS.

D 171 INT LINE 11 WITH LINE 168
POINT 171 N 266413.286 E 280899.722 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 23 MINUTES 49.056 SECONDS.

D 172 INT LINE 12 WITH LINE 168
POINT 172 N 266344.907 E 282804.546 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 21 MINUTES 40.968 SECONDS.

D 173 INT LINE 13 WITH LINE 168
POINT 173 N 266276.445 E 284711.700 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 19 MINUTES 1.671 SECONDS.

D 174 INT LINE 14 WITH LINE 168
POINT 174 N 266208.270 E 286610.850 S ********** Z **********
ACUTE ANGLE OF INTERSECTION EQUALS 89 DEGREES 18 MINUTES 9.316 SECONDS.

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D          175  INT  LINE 15  WITH LINE 168
           POINT    175        N   266140.098    E   288509.909    S ************    Z ************
           ACUTE ANGLE OF INTERSECTION EQUALS  89 DEGREES  17 MINUTES  17.320 SECONDS.

D          176  INT  LINE 16  WITH LINE 168
           POINT    176        N   266071.926    E   290408.970    S ************    Z ************
           ACUTE ANGLE OF INTERSECTION EQUALS  89 DEGREES  16 MINUTES  25.265 SECONDS.

D          177  INT  LINE 17  WITH LINE 168
           POINT    177        N   266003.754    E   292308.032    S ************    Z ************
           ACUTE ANGLE OF INTERSECTION EQUALS  89 DEGREES  15 MINUTES  33.174 SECONDS.

D          178  INT  LINE 18  WITH LINE 168
           POINT    178        N   265935.582    E   294207.096    S ************    Z ************
           ACUTE ANGLE OF INTERSECTION EQUALS  89 DEGREES  14 MINUTES  41.048 SECONDS.

D          179  INT  LINE 19  WITH LINE 168
           POINT    179        N   265867.411    E   296106.160    S ************    Z ************
           ACUTE ANGLE OF INTERSECTION EQUALS  89 DEGREES  13 MINUTES  48.887 SECONDS.

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STORE CHA 'A1' 1,2,22,21,1

D     CHA 'A2' 21,22,42,41,21

D     CHA 'A3' 41,42,62,61,41

D     CHA 'A4' 61,62,82,81,61

D     CHA 'A5' 81,82,102,101,81

D     CHA 'A6' 101,102,122,121,101

D     CHA 'A7' 121,122,142,141,121

D     CHA 'A8' 141,142,162,161,141

STORE CHA 'B1' 2,3,23,22,2

D     CHA 'B2' 22,23,43,42,22

D     CHA 'B3' 42,43,63,62,42

D     CHA 'B4' 62,63,83,82,62

D     CHA 'B5' 82,83,103,102,82

D     CHA 'B6' 102,103,123,122,102

D     CHA 'B7' 122,123,143,142,122

D     CHA 'B8' 142,143,163,162,142

STORE CHA 'C1' 3,4,24,23,3

D     CHA 'C2' 23,24,44,43,23

D     CHA 'C3' 43,44,64,63,43

D     CHA 'C4' 63,64,84,83,63

D     CHA 'C5' 83,84,104,103,83

D     CHA 'C6' 103,104,124,123,103

D     CHA 'C7' 123,124,144,143,123

D     CHA 'C8' 143,144,164,163,143

STORE CHA 'D1' 4,5,25,24,4

D     CHA 'D2' 24,25,45,44,24

D     CHA 'D3' 44,45,65,64,44

D     CHA 'D4' 64,65,85,84,64

D     CHA 'D5' 84,85,105,104,84

D     CHA 'D6' 104,105,125,124,104

D     CHA 'D7' 124,125,145,144,124

D     CHA 'D8' 144,145,165,164,144

STORE CHA 'E1' 5,6,26,25,5

D     CHA 'E2' 25,26,46,45,25

D     CHA 'E3' 45,46,66,65,45

D     CHA 'E4' 65,66,86,85,65

D     CHA 'E5' 85,86,106,105,85

D     CHA 'E6' 105,106,126,125,105

D     CHA 'E7' 125,126,146,145,125

D     CHA 'E8' 145,146,166,165,145

STORE CHA 'F1' 6,7,27,26,6

D     CHA 'F2' 26,27,47,46,26

D     CHA 'F3' 46,47,67,66,46

D     CHA 'F4' 66,67,87,86,66

D     CHA 'F5' 86,87,107,106,86

D     CHA 'F6' 106,107,127,126,106

D     CHA 'F7' 126,127,147,146,126

D     CHA 'F8' 146,147,167,166,146

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counter 45350

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D       CHA 'I8' 148,147,167,168,148
$
$     GRID G1 HAS AN EXTRA POINT 278 BETWEEN POINTS 7 AND 8.
$
STORE  CHA 'G1' 7,278,8,28,27,7
D      CHA 'G2' 27,28,48,47,27
D      CHA 'G3' 47,48,68,67,47
D      CHA 'G4' 67,68,88,87,67
D      CHA 'G5' 87,88,108,107,87
D      CHA 'G6' 107,108,128,127,107
D      CHA 'G7' 127,128,148,147,127
D      CHA 'G8' 147,148,168,167,147
STORE  CHA 'H1' 8,9,29,28,8
D      CHA 'H2' 28,29,49,48,28
D      CHA 'H3' 48,49,69,68,48
D      CHA 'H4' 68,69,89,88,68
D      CHA 'H5' 88,89,109,108,88
D      CHA 'H6' 108,109,129,128,108
D      CHA 'H7' 128,129,149,148,128
D      CHA 'H8' 148,149,169,168,148
D      CHA 'H9' 168,169,182,181,168
STORE  CHA 'I1' 9,10,30,29,9
D      CHA 'I2' 29,30,50,49,29
D      CHA 'I3' 49,50,70,69,49
D      CHA 'I4' 69,70,90,89,69
D      CHA 'I5' 89,90,110,109,89
D      CHA 'I6' 109,110,130,129,109
D      CHA 'I7' 129,130,150,149,129
D      CHA 'I8' 149,150,170,169,149
D      CHA 'I9' 169,170,183,182,169
STORE  CHA 'J1' 10,11,31,30,10
D      CHA 'J2' 30,31,51,50,30
D      CHA 'J3' 50,51,71,70,50
D      CHA 'J4' 70,71,91,90,70
D      CHA 'J5' 90,91,111,110,90
D      CHA 'J6' 110,111,131,130,110
D      CHA 'J7' 130,131,151,150,130
D      CHA 'J8' 150,151,171,170,150
D      CHA 'J9' 170,171,184,183,170
STORE  CHA 'K1' 11,12,32,31,11
D      CHA 'K2' 31,32,52,51,31
D      CHA 'K3' 51,52,72,71,51
D      CHA 'K4' 71,72,92,91,71
D      CHA 'K5' 91,92,112,111,91
D      CHA 'K6' 111,112,132,131,111
D      CHA 'K7' 131,132,152,151,131
D      CHA 'K8' 151,152,172,171,151
D      CHA 'K9' 171,172,185,184,171
STORE  CHA 'L1' 12,13,33,32,12
D      CHA 'L2' 32,33,53,52,32
D      CHA 'L3' 52,53,73,72,52
D      CHA 'L4' 72,73,93,92,72
D      CHA 'L5' 92,93,113,112,92
D      CHA 'L6' 112,113,133,132,112
D      CHA 'L7' 132,133,153,152,132
D      CHA 'L8' 152,153,173,172,152
D      CHA 'L9' 172,173,186,185,172
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counted 45351

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$
$    GRID M1 HAS AN EXTRA POINT 313 BETWEEN POINTS 13 AND 14.
$
STORE CHA 'M1' 13,313,14,34,33,13
D     CHA 'M2' 33,34,54,53,33
D     CHA 'M3' 53,54,74,73,53
D     CHA 'M4' 73,74,94,93,73
D     CHA 'M5' 93,94,114,113,93
D     CHA 'M6' 113,114,134,133,113
D     CHA 'M7' 133,134,154,153,133
D     CHA 'M8' 153,154,174,173,153
D     CHA 'M9' 173,174,187,186,173
STORE CHA 'N1' 14,15,35,34,14
D     CHA 'N2' 34,35,55,54,34
D     CHA 'N3' 54,55,75,74,54
D     CHA 'N4' 74,75,95,94,74
D     CHA 'N5' 94,95,115,114,94
D     CHA 'N6' 114,115,135,134,114
D     CHA 'N7' 134,135,155,154,134
D     CHA 'N8' 154,155,175,174,154
D     CHA 'N9' 174,175,188,187,174
STORE CHA 'O1' 15,16,36,35,15
D     CHA 'O2' 35,36,56,55,35
D     CHA 'O3' 55,56,76,75,55
D     CHA 'O4' 75,76,96,95,75
D     CHA 'O5' 95,96,116,115,95
D     CHA 'O6' 115,116,136,135,115
D     CHA 'O7' 135,136,156,155,135
D     CHA 'O8' 155,156,176,175,155
D     CHA 'O9' 175,176,189,188,175
STORE CHA 'P1' 16,17,37,36,16
D     CHA 'P2' 36,37,57,56,36
D     CHA 'P3' 56,57,77,76,56
D     CHA 'P4' 76,77,97,96,76
D     CHA 'P5' 96,97,117,116,96
D     CHA 'P6' 116,117,137,136,116
D     CHA 'P7' 136,137,157,156,136
D     CHA 'P8' 156,157,177,176,156
D     CHA 'P9' 176,177,190,189,176
STORE CHA 'Q1' 17,18,38,37,17
D     CHA 'Q2' 37,38,58,57,37
D     CHA 'Q3' 57,58,78,77,57
D     CHA 'Q4' 77,78,98,97,77
D     CHA 'Q5' 97,98,118,117,97
D     CHA 'Q6' 117,118,138,137,117
D     CHA 'Q7' 137,138,158,157,137
D     CHA 'Q8' 157,158,178,177,157
D     CHA 'Q9' 177,178,191,190,177
STORE CHA 'R1' 18,19,39,38,18
D     CHA 'R2' 38,39,59,58,38
D     CHA 'R3' 58,59,79,78,58
D     CHA 'R4' 78,79,99,98,78
D     CHA 'R5' 98,99,119,118,98
D     CHA 'R6' 118,119,139,138,118
D     CHA 'R7' 138,139,159,158,138
D     CHA 'R8' 158,159,179,178,158
D     CHA 'R9' 178,179,192,191,178
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counter 45352

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$
$     GRID S1 HAS AN EXTRA POINT 219 BETWEEN POINTS 19 AND 20.
$
STORE CHA 'S1' 19,219,20,40,39,19
D     CHA 'S2' 39,40,60,59,39
D     CHA 'S3' 59,60,80,79,59
D     CHA 'S4' 79,80,100,99,79
D     CHA 'S5' 99,100,120,119,99
D     CHA 'S6' 119,120,140,139,119
D     CHA 'S7' 139,140,160,159,139
D     CHA 'S8' 159,160,180,179,159
D     CHA 'S9' 179,180,193,192,179
$
$
$     THE  TOTAL AREA AS ENCLOSED IN THIS TRAVERSE WILL BE DESIGNATED AS GRID
$ 'TOTAL'. THIS AREA INCLUDES BLKS. 109,110,111,113,114,AND 115.
$
$
STO CHA 'TOTAL' 1,278,313,219,20,193,187,186,185,184,183,182,181,168,161,  -
                141,121,101,81,61,41,21,1
DESCRIBE CHA 'TOTAL'


   DESCRIPTION OF CHAIN TOTAL

              CHAIN ELEMENTS

COURSE    FROM      1 TO    278   LENGTH 11854.41     BEARING  S 87 42 18 E
COURSE    FROM    278 TO    313   LENGTH 11775.82     BEARING  S 88 23 41 E
COURSE    FROM    313 TO    219   LENGTH 11672.61     BEARING  S 87 51  5 E
COURSE    FROM    219 TO     20   LENGTH   829.00     BEARING  S 88  2 60 E
COURSE    FROM     20 TO    193   LENGTH 17444.098    BEARING  S  1 16 18 W
COURSE    FROM    193 TO    187   LENGTH 11404.797    BEARING  N 88  1 57 W
COURSE    FROM    187 TO    186   LENGTH  1900.91     BEARING  N 87 59 31 W

COURSE    FROM    186 TO    185   LENGTH  1910.10     BEARING  N 87 52  7 W
COURSE    FROM    185 TO    184   LENGTH  1907.40     BEARING  N 87 57 40 W
COURSE    FROM    184 TO    183   LENGTH  1904.27     BEARING  N 87 39 18 W
COURSE    FROM    183 TO    182   LENGTH  1907.68     BEARING  N 87 49 54 W
COURSE    FROM    182 TO    181   LENGTH  1907.68     BEARING  N 87 49 54 W
COURSE    FROM    181 TO    168   LENGTH  2165.719    BEARING  N  1 33  3 E
COURSE    FROM    168 TO    161   LENGTH 13485.325    BEARING  N 87 55  0 W
COURSE    FROM    161 TO    141   LENGTH  1894.81     BEARING  N  1 44 14 E
COURSE    FROM    141 TO    121   LENGTH  1894.81     BEARING  N  1 44 14 E
COURSE    FROM    121 TO    101   LENGTH  1894.81     BEARING  N  1 44 14 E
COURSE    FROM    101 TO     81   LENGTH  1907.68     BEARING  N  2 31 52 E
COURSE    FROM     81 TO     61   LENGTH  1933.97     BEARING  N  2  9 11 E
COURSE    FROM     61 TO     41   LENGTH  1906.57     BEARING  N  1 48  4 E
COURSE    FROM     41 TO     21   LENGTH  1908.98     BEARING  N  1 59  6 E
COURSE    FROM     21 TO      1   LENGTH  1903.25     BEARING  N  2  4 15 E

              CHAIN POINTS

POINT       1        N   282344.270    E   262235.310    S ************    Z ************
POINT     278        N   281869.571    E   274080.211    S ************    Z ************
POINT     313        N   281539.669    E   285851.409    S ************    Z ************
POINT     219        N   281102.067    E   297515.813    S ************    Z ************
POINT      20        N   281073.858    E   298344.333    S ************    Z ************
POINT     193        N   263634.057    E   297957.163    S ************    Z ************
POINT     187        N   264025.619    E   286559.090    S ************    Z ************
POINT     186        N   264092.229    E   284659.347    S ************    Z ************
POINT     185        N   264163.269    E   282750.569    S ************    Z ************
POINT     184        N   264231.129    E   280844.377    S ************    Z ************
POINT     183        N   264309.049    E   278941.702    S ************    Z ************
POINT     182        N   264381.228    E   277035.388    S ************    Z ************
POINT     181        N   264453.408    E   275129.074    S ************    Z ************
POINT     168        N   266618.334    E   275187.687    S ************    Z ************
POINT     161        N   267108.560    E   261711.276    S ************    Z ************
POINT     141        N   269002.499    E   261768.713    S ************    Z ************
POINT     121        N   270896.438    E   261826.151    S ************    Z ************
POINT     101        N   272790.377    E   261883.589    S ************    Z ************
POINT      81        N   274696.196    E   261967.839    S ************    Z ************
POINT      61        N   276628.800    E   262040.500    S ************    Z ************
POINT      41        N   278534.428    E   262100.420    S ************    Z ************
POINT      21        N   280442.263    E   262166.540    S ************    Z ************
POINT       1        N   282344.270    E   262235.310    S ************    Z ************

    TOTAL AREA OF LIST      602309170.519 SQUARE FEET   13827.116 ACRES
$
$     THE AREAS OF THE INDIVIDUAL BLKS WILL NOW BE CALCULATED. THE NAMES WILL
$ BE LABED AS SUCH, BLK 110 IS GRID 'BLK110'  ETC.
$
STO CHA 'BLK115' 1,278,8,88,81,61,41,21,1
D   CHA 'BLK114' 8,313,14,94,88,8
D   CHA 'BLK113' 14,219,20,100,94,14
D   CHA 'BLK109' 81,88,168,161,101,81
D   CHA 'BLK110' 88,94,187,186,185,184,183,182,181,168,88
D   CHA 'BLK111' 94,100,193,187,94
DES CHA 'BLK109'
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4535-3

crunter

DESCRIPTION OF CHAIN BLK109

CHAIN ELEMENTS

COURSE	FROM	81	TO	88	LENGTH	13434.024	BEARING	S	88	0	27	E
COURSE	FROM	88	TO	168	LENGTH	7613.560	BEARING	S	1	33	3	W
COURSE	FROM	168	TO	161	LENGTH	13485.325	BEARING	N	87	55	0	W
COURSE	FROM	161	TO	101	LENGTH	5684.429	BEARING	N	1	44	14	E
COURSE	FROM	101	TO	81	LENGTH	1907.68	BEARING	N	2	31	52	E

CHAIN POINTS

POINT	81	N	274696.196	E	261967.839	S **********	Z **********
POINT	88	N	274229.106	E	275393.740	S **********	Z **********
POINT	168	N	266618.334	E	275187.687	S **********	Z **********
POINT	161	N	267108.560	E	261711.276	S **********	Z **********
POINT	101	N	272790.377	E	261883.589	S **********	Z **********
POINT	81	N	274696.196	E	261967.839	S **********	Z **********

TOTAL AREA OF LIST 102403939.865 SQUARE FEET 2350.871 ACRES

D CHA 'BLK110'

DESCRIPTION OF CHAIN BLK110

CHAIN ELEMENTS

COURSE	FROM	88	TO	94	LENGTH	11404.813	BEARING	S	88	0	27	E
COURSE	FROM	94	TO	187	LENGTH	9809.708	BEARING	S	1	21	31	W
COURSE	FROM	187	TO	186	LENGTH	1900.91	BEARING	N	87	59	31	W
COURSE	FROM	186	TO	185	LENGTH	1910.10	BEARING	N	87	52	7	W
COURSE	FROM	185	TO	184	LENGTH	1907.40	BEARING	N	87	57	40	W
COURSE	FROM	184	TO	183	LENGTH	1904.27	BEARING	N	87	39	18	W
COURSE	FROM	183	TO	182	LENGTH	1907.68	BEARING	N	87	49	54	W
COURSE	FROM	182	TO	181	LENGTH	1907.68	BEARING	N	87	49	54	W
COURSE	FROM	181	TO	168	LENGTH	2165.719	BEARING	N	1	33	3	E
COURSE	FROM	168	TO	88	LENGTH	7613.560	BEARING	N	1	33	3	E

CHAIN POINTS

POINT	88	N	274229.106	E	275393.740	S **********	Z **********
POINT	94	N	273832.570	E	286791.657	S **********	Z **********
POINT	187	N	264025.619	E	286559.090	S **********	Z **********
POINT	186	N	264092.229	E	284659.347	S **********	Z **********
POINT	185	N	264163.269	E	282750.569	S **********	Z **********
POINT	184	N	264231.129	E	280844.377	S **********	Z **********
POINT	183	N	264309.049	E	278941.702	S **********	Z **********
POINT	182	N	264381.228	E	277035.388	S **********	Z **********
POINT	181	N	264453.408	E	275129.074	S **********	Z **********
POINT	168	N	266618.334	E	275187.687	S **********	Z **********
POINT	88	N	274229.106	E	275393.740	S **********	Z **********

TOTAL AREA OF LIST 111898902.237 SQUARE FEET 2568.845 ACRES

D CHA 'BLK111'

DESCRIPTION OF CHAIN BLK111

CHAIN ELEMENTS

COURSE	FROM	94	TO	100	LENGTH	11390.011	BEARING	S	88	0	27	E
COURSE	FROM	100	TO	193	LENGTH	9804.906	BEARING	S	1	16	18	W
COURSE	FROM	193	TO	187	LENGTH	11404.797	BEARING	N	88	1	57	W
COURSE	FROM	187	TO	94	LENGTH	9809.708	BEARING	N	1	21	31	E

CHAIN POINTS

POINT	94	N	273832.570	E	286791.657	S **********	Z **********
POINT	100	N	273436.548	E	298174.782	S **********	Z **********
POINT	193	N	263634.057	E	297957.163	S **********	Z **********
POINT	187	N	264025.619	E	286559.090	S **********	Z **********
POINT	94	N	273832.570	E	286791.657	S **********	Z **********

TOTAL AREA OF LIST 111770280.824 SQUARE FEET 2565.893 ACRES

D CHA 'BLK113'

DESCRIPTION OF CHAIN BLK113

CHAIN ELEMENTS

COURSE	FROM	14	TO	219	LENGTH	10549.800	BEARING	S	87	51	5	E
COURSE	FROM	219	TO	20	LENGTH	829.00	BEARING	S	88	2	60	E
COURSE	FROM	20	TO	100	LENGTH	7639.191	BEARING	S	1	16	18	W
COURSE	FROM	100	TO	94	LENGTH	11390.011	BEARING	N	88	0	27	W
COURSE	FROM	94	TO	14	LENGTH	7667.161	BEARING	N	1	21	31	E

CHAIN POINTS

POINT	14	N	281497.575	E	286973.429	S **********	Z **********
POINT	219	N	281102.067	E	297515.813	S **********	Z **********

County AS354

POINT	20	N	281073.858	E	298344.333	S	**********	Z **********
POINT	100	N	273436.548	E	298174.782	S	**********	Z **********
POINT	94	N	273832.570	E	286791.657	S	**********	Z **********
POINT	14	N	281497.575	E	286973.429	S	**********	Z **********

TOTAL AREA OF LIST 87104184.713 SQUARE FEET 1999.637 ACRES

D CHA 'BLK114'

DESCRIPTION OF CHAIN BLK114

CHAIN ELEMENTS

COURSE	FROM	8	TO	313	LENGTH	10255.99	BEARING	S	88	23	41 E
COURSE	FROM	313	TO	14	LENGTH	1122.81	BEARING	S	87	51	5 E
COURSE	FROM	14	TO	94	LENGTH	7667.161	BEARING	S	1	21	31 W
COURSE	FROM	94	TO	88	LENGTH	11404.813	BEARING	N	88	0	27 W
COURSE	FROM	88	TO	8	LENGTH	7600.671	BEARING	N	1	33	3 E

CHAIN POINTS

POINT	8	N	281826.992	E	275599.445	S	**********	Z **********
POINT	313	N	281539.669	E	285851.409	S	**********	Z **********
POINT	14	N	281497.575	E	286973.429	S	**********	Z **********
POINT	94	N	273832.570	E	286791.657	S	**********	Z **********
POINT	88	N	274229.106	E	275393.740	S	**********	Z **********
POINT	8	N	281826.992	E	275599.445	S	**********	Z **********

TOTAL AREA OF LIST 87016173.291 SQUARE FEET 1997.616 ACRES

D CHA 'BLK115'

DESCRIPTION OF CHAIN BLK115

CHAIN ELEMENTS

COURSE	FROM	1	TO	278	LENGTH	11854.41	BEARING	S	87	42	18 E
COURSE	FROM	278	TO	8	LENGTH	1519.830	BEARING	S	88	23	41 E
COURSE	FROM	8	TO	88	LENGTH	7600.671	BEARING	S	1	33	3 W
COURSE	FROM	88	TO	81	LENGTH	13434.024	BEARING	N	88	0	27 W
COURSE	FROM	81	TO	61	LENGTH	1933.97	BEARING	N	2	9	11 E
COURSE	FROM	61	TO	41	LENGTH	1906.57	BEARING	N	1	48	4 E
COURSE	FROM	41	TO	21	LENGTH	1908.98	BEARING	N	1	59	6 E
COURSE	FROM	21	TO	1	LENGTH	1903.25	BEARING	N	2	4	15 E

CHAIN POINTS

county AS355

POINT	1	N	282344.270	E	262235.310	S	**********	Z	**********
POINT	278	N	281869.571	E	274080.211	S	**********	Z	**********
POINT	8	N	281826.992	E	275599.445	S	**********	Z	**********
POINT	88	N	274229.106	E	275393.740	S	**********	Z	**********
POINT	81	N	274696.196	E	261967.839	S	**********	Z	**********
POINT	61	N	276628.800	E	262040.500	S	**********	Z	**********
POINT	41	N	278534.428	E	262100.420	S	**********	Z	**********
POINT	21	N	280442.263	E	262166.540	S	**********	Z	**********
POINT	1	N	282344.270	E	262235.310	S	**********	Z	**********

TOTAL AREA OF LIST 102115689.588 SQUARE FEET 2344.254 ACRES

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$

DESCRIBE CHAIN 'A1'

DESCRIPTION OF CHAIN A1

CHAIN ELEMENTS

COURSE	FROM 1 TO 2	LENGTH	1896.467	BEARING	S	87	42 18 E
COURSE	FROM 2 TO 22	LENGTH	1894.321	BEARING	S	1	54 38 W
COURSE	FROM 22 TO 21	LENGTH	1901.747	BEARING	N	87	58 30 W
COURSE	FROM 21 TO 1	LENGTH	1903.25	BEARING	N	2	4 15 E

CHAIN POINTS

POINT	1	N	282344.270	E	262235.310	S	**********	Z	**********
POINT	2	N	282268.328	E	264130.255	S	**********	Z	**********
POINT	22	N	280375.060	E	264067.099	S	**********	Z	**********
POINT	21	N	280442.263	E	262166.540	S	**********	Z	**********
POINT	1	N	282344.270	E	262235.310	S	**********	Z	**********

TOTAL AREA OF LIST 3605966.99 SQUARE FEET 82.782 ACRES

DESCRIBE CHAIN 'A2'

DESCRIPTION OF CHAIN A2

CHAIN ELEMENTS

COURSE	FROM 21 TO 22	LENGTH	1901.747	BEARING	S	87	58 30 E
COURSE	FROM 22 TO 42	LENGTH	1909.018	BEARING	S	1	54 38 W
COURSE	FROM 42 TO 41	LENGTH	1904.223	BEARING	N	87	58 26 W
COURSE	FROM 41 TO 21	LENGTH	1908.98	BEARING	N	1	59 6 E

CHAIN POINTS

POINT	21	N	280442.263	E	262166.540	S	**********	Z	**********
POINT	22	N	280375.060	E	264067.099	S	**********	Z	**********
POINT	42	N	278467.103	E	264003.452	S	**********	Z	**********
POINT	41	N	278534.428	E	262100.420	S	**********	Z	**********
POINT	21	N	280442.263	E	262166.540	S	**********	Z	**********

TOTAL AREA OF LIST 3632792.181 SQUARE FEET 83.397 ACRES

DESCRIBE CHAIN 'A3'

DESCRIPTION OF CHAIN A3

CHAIN ELEMENTS

COURSE	FROM 41 TO 42	LENGTH	1904.223	BEARING	S	87	58 26 E
COURSE	FROM 42 TO 62	LENGTH	1906.721	BEARING	S	1	54 38 W
COURSE	FROM 62 TO 61	LENGTH	1900.577	BEARING	N	87	58 8 W
COURSE	FROM 61 TO 41	LENGTH	1906.57	BEARING	N	1	48 4 E

CHAIN POINTS

POINT	41	N	278534.428	E	262100.420	S	**********	Z	**********
POINT	42	N	278467.103	E	264003.452	S	**********	Z	**********
POINT	62	N	276561.443	E	263939.882	S	**********	Z	**********
POINT	61	N	276628.800	E	262040.500	S	**********	Z	**********
POINT	41	N	278534.428	E	262100.420	S	**********	Z	**********

TOTAL AREA OF LIST 3627183.748 SQUARE FEET 83.269 ACRES

DESCRIBE CHAIN 'A4'

DESCRIPTION OF CHAIN A4

CHAIN ELEMENTS

COURSE	FROM 61 TO 62	LENGTH	1900.577	BEARING	S	87	58 8 E
COURSE	FROM 62 TO 82	LENGTH	1932.688	BEARING	S	1	54 38 W
COURSE	FROM 82 TO 81	LENGTH	1908.762	BEARING	N	88	0 27 W
COURSE	FROM 81 TO 61	LENGTH	1933.97	BEARING	N	2	9 11 E

CHAIN POINTS

counter 45356

POINT	61	N	276628.800	E	262040.500	S	**********	Z	**********
POINT	62	N	276561.443	E	263939.882	S	**********	Z	**********
POINT	82	N	274629.830	E	263875.447	S	**********	Z	**********
POINT	81	N	274696.196	E	261967.839	S	**********	Z	**********
POINT	61	N	276628.800	E	262040.500	S	**********	Z	**********

TOTAL AREA OF LIST 3682343.151 SQUARE FEET 84.535 ACRES

DESCRIBE CHAIN 'A5'

DESCRIPTION OF CHAIN A5

CHAIN ELEMENTS

COURSE	FROM 81 TO 82	LENGTH	1908.762	BEARING	S 88 0 27 E
COURSE	FROM 82 TO 102	LENGTH	1907.707	BEARING	S 1 54 38 W
COURSE	FROM 102 TO 101	LENGTH	1929.425	BEARING	N 88 0 15 W
COURSE	FROM 101 TO 81	LENGTH	1907.68	BEARING	N 2 31 52 E

CHAIN POINTS

POINT	81	N	274696.196	E	261967.839	S	**********	Z	**********
POINT	82	N	274629.830	E	263875.447	S	**********	Z	**********
POINT	102	N	272723.184	E	263811.844	S	**********	Z	**********
POINT	101	N	272790.377	E	261883.589	S	**********	Z	**********
POINT	81	N	274696.196	E	261967.839	S	**********	Z	**********

TOTAL AREA OF LIST 3660959.327 SQUARE FEET 84.044 ACRES

DES CHA 'A6'

DESCRIPTION OF CHAIN A6

CHAIN ELEMENTS

COURSE	FROM 101 TO 102	LENGTH	1929.425	BEARING	S 88 0 15 E
COURSE	FROM 102 TO 122	LENGTH	1895.580	BEARING	S 1 54 38 W
COURSE	FROM 122 TO 121	LENGTH	1923.689	BEARING	N 87 58 51 W
COURSE	FROM 121 TO 101	LENGTH	1894.81	BEARING	N 1 44 14 E

CHAIN POINTS

POINT	101	N	272790.377	E	261883.589	S	**********	Z	**********
POINT	102	N	272723.184	E	263811.844	S	**********	Z	**********
POINT	122	N	270828.657	E	263748.645	S	**********	Z	**********
POINT	121	N	270896.438	E	261826.151	S	**********	Z	**********
POINT	101	N	272790.377	E	261883.589	S	**********	Z	**********

TOTAL AREA OF LIST 3651178.097 SQUARE FEET 83.82 ACRES

DES CHA 'A7'

DESCRIPTION OF CHAIN A7

CHAIN ELEMENTS

COURSE	FROM 121 TO 122	LENGTH	1923.689	BEARING	S 87 58 51 E
COURSE	FROM 122 TO 142	LENGTH	1895.575	BEARING	S 1 54 38 W
COURSE	FROM 142 TO 141	LENGTH	1917.952	BEARING	N 87 57 26 W
COURSE	FROM 141 TO 121	LENGTH	1894.81	BEARING	N 1 44 14 E

CHAIN POINTS

POINT	121	N	270896.438	E	261826.151	S	**********	Z	**********
POINT	122	N	270828.657	E	263748.645	S	**********	Z	**********
POINT	142	N	268934.136	E	263685.447	S	**********	Z	**********
POINT	141	N	269002.499	E	261768.713	S	**********	Z	**********
POINT	121	N	270896.438	E	261826.151	S	**********	Z	**********

TOTAL AREA OF LIST 3640296.023 SQUARE FEET 83.57 ACRES

DES CHA 'A8'

DESCRIPTION OF CHAIN A8

CHAIN ELEMENTS

COURSE	FROM 141 TO 142	LENGTH	1917.952	BEARING	S 87 57 26 E
COURSE	FROM 142 TO 162	LENGTH	1896.144	BEARING	S 1 54 38 W
COURSE	FROM 162 TO 161	LENGTH	1912.218	BEARING	N 87 55 0 W
COURSE	FROM 161 TO 141	LENGTH	1894.81	BEARING	N 1 44 14 E

CHAIN POINTS

POINT	141	N	269002.499	E	261768.713	S	**********	Z	**********
POINT	142	N	268934.136	E	263685.447	S	**********	Z	**********
POINT	162	N	267039.046	E	263622.230	S	**********	Z	**********
POINT	161	N	267108.560	E	261711.276	S	**********	Z	**********
POINT	141	N	269002.499	E	261768.713	S	**********	Z	**********

TOTAL AREA OF LIST 3629963.782 SQUARE FEET 83.333 ACRES

counter 45357

DES CHA 'B1'

DESCRIPTION OF CHAIN B1

CHAIN ELEMENTS

COURSE	FROM	2	TO	3	LENGTH	1896.467	BEARING	S	87	42	18	E
COURSE	FROM	3	TO	23	LENGTH	1885.394	BEARING	S	1	51	4	W
COURSE	FROM	23	TO	22	LENGTH	1898.382	BEARING	N	87	58	30	W
COURSE	FROM	22	TO	2	LENGTH	1894.321	BEARING	N	1	54	38	E

CHAIN POINTS

POINT	2	N	282268.328	E	264130.255	S **********	Z **********
POINT	3	N	282192.385	E	266025.201	S **********	Z **********
POINT	23	N	280307.976	E	265964.295	S **********	Z **********
POINT	22	N	280375.060	E	264067.099	S **********	Z **********
POINT	2	N	282268.328	E	264130.255	S **********	Z **********

TOTAL AREA OF LIST 3585807.752 SQUARE FEET 82.319 ACRES

DES CHA 'B2'

DESCRIPTION OF CHAIN B2

CHAIN ELEMENTS

COURSE	FROM	22	TO	23	LENGTH	1898.382	BEARING	S	87	58	30	E
COURSE	FROM	23	TO	43	LENGTH	1909.057	BEARING	S	1	51	4	W
COURSE	FROM	43	TO	42	LENGTH	1900.360	BEARING	N	87	58	26	W
COURSE	FROM	42	TO	22	LENGTH	1909.018	BEARING	N	1	54	38	E

CHAIN POINTS

POINT	22	N	280375.060	E	264067.099	S **********	Z **********
POINT	23	N	280307.976	E	265964.295	S **********	Z **********
POINT	43	N	278399.915	E	265902.625	S **********	Z **********
POINT	42	N	278467.103	E	264003.452	S **********	Z **********
POINT	22	N	280375.060	E	264067.099	S **********	Z **********

TOTAL AREA OF LIST 3625958.128 SQUARE FEET 83.241 ACRES

DES CHA 'B3'

DESCRIPTION OF CHAIN B3

CHAIN ELEMENTS

COURSE	FROM	42	TO	43	LENGTH	1900.360	BEARING	S	87	58	26	E
COURSE	FROM	43	TO	63	LENGTH	1906.887	BEARING	S	1	51	4	W
COURSE	FROM	63	TO	62	LENGTH	1902.337	BEARING	N	87	58	8	W
COURSE	FROM	62	TO	42	LENGTH	1906.721	BEARING	N	1	54	38	E

CHAIN POINTS

POINT	42	N	278467.103	E	264003.452	S **********	Z **********
POINT	43	N	278399.915	E	265902.625	S **********	Z **********
POINT	63	N	276494.023	E	265841.024	S **********	Z **********
POINT	62	N	276561.443	E	263939.882	S **********	Z **********
POINT	42	N	278467.103	E	264003.452	S **********	Z **********

TOTAL AREA OF LIST 3625486.460 SQUARE FEET 83.23 ACRES

DES CHA 'B4'

DESCRIPTION OF CHAIN B4

CHAIN ELEMENTS

COURSE	FROM	62	TO	63	LENGTH	1902.337	BEARING	S	87	58	8	E
COURSE	FROM	63	TO	83	LENGTH	1931.414	BEARING	S	1	51	4	W
COURSE	FROM	83	TO	82	LENGTH	1904.336	BEARING	N	88	0	27	W
COURSE	FROM	82	TO	62	LENGTH	1932.688	BEARING	N	1	54	38	E

CHAIN POINTS

POINT	62	N	276561.443	E	263939.882	S **********	Z **********
POINT	63	N	276494.023	E	265841.024	S **********	Z **********
POINT	83	N	274563.617	E	265778.632	S **********	Z **********
POINT	82	N	274629.830	E	263875.447	S **********	Z **********
POINT	62	N	276561.443	E	263939.882	S **********	Z **********

TOTAL AREA OF LIST 3677332.752 SQUARE FEET 84.42 ACRES

DES CHA 'B5'

DESCRIPTION OF CHAIN B5

counter 45358

CHAIN ELEMENTS

COURSE	FROM	82	TO	83	LENGTH	1904.336	BEARING	S	88	0	27	E
COURSE	FROM	83	TO	103	LENGTH	1907.818	BEARING	S	1	51	4	W
COURSE	FROM	103	TO	102	LENGTH	1906.314	BEARING	N	88	0	15	W
COURSE	FROM	102	TO	82	LENGTH	1907.707	BEARING	N	1	54	38	E

CHAIN POINTS

POINT	82	N	274629.830	E	263875.447	S	**********	Z **********
POINT	83	N	274563.617	E	265778.632	S	**********	Z **********
POINT	103	N	272656.795	E	265717.001	S	**********	Z **********
POINT	102	N	272723.184	E	263811.844	S	**********	Z **********
POINT	82	N	274629.830	E	263875.447	S	**********	Z **********

TOTAL AREA OF LIST 3634900.235 SQUARE FEET 83.446 ACRES

DES CHA 'B6'

DESCRIPTION OF CHAIN B6

CHAIN ELEMENTS

COURSE	FROM	102	TO	103	LENGTH	1906.314	BEARING	S	88	0	15	E
COURSE	FROM	103	TO	123	LENGTH	1896.365	BEARING	S	1	51	4	W
COURSE	FROM	123	TO	122	LENGTH	1908.281	BEARING	N	87	58	51	W
COURSE	FROM	122	TO	102	LENGTH	1895.580	BEARING	N	1	54	38	E

CHAIN POINTS

POINT	102	N	272723.184	E	263811.844	S	**********	Z **********
POINT	103	N	272656.795	E	265717.001	S	**********	Z **********
POINT	123	N	270761.419	E	265655.741	S	**********	Z **********
POINT	122	N	270828.657	E	263748.645	S	**********	Z **********
POINT	102	N	272723.184	E	263811.844	S	**********	Z **********

TOTAL AREA OF LIST 3616173.997 SQUARE FEET 83.016 ACRES

DES CHA 'B7'

DESCRIPTION OF CHAIN B7

CHAIN ELEMENTS

COURSE	FROM	122	TO	123	LENGTH	1908.281	BEARING	S	87	58	51	E
COURSE	FROM	123	TO	143	LENGTH	1896.361	BEARING	S	1	51	4	W
COURSE	FROM	143	TO	142	LENGTH	1910.248	BEARING	N	87	57	26	W
COURSE	FROM	142	TO	122	LENGTH	1895.575	BEARING	N	1	54	38	E

CHAIN POINTS

POINT	122	N	270828.657	E	263748.645	S	**********	Z **********
POINT	123	N	270761.419	E	265655.741	S	**********	Z **********
POINT	143	N	268866.048	E	265594.481	S	**********	Z **********
POINT	142	N	268934.136	E	263685.447	S	**********	Z **********
POINT	122	N	270828.657	E	263748.645	S	**********	Z **********

TOTAL AREA OF LIST 3619890.195 SQUARE FEET 83.101 ACRES

DES CHA 'B8'

DESCRIPTION OF CHAIN B8

CHAIN ELEMENTS

COURSE	FROM	142	TO	143	LENGTH	1910.248	BEARING	S	87	57	26	E
COURSE	FROM	143	TO	163	LENGTH	1897.506	BEARING	S	1	51	4	W
COURSE	FROM	163	TO	162	LENGTH	1912.218	BEARING	N	87	55	0	W
COURSE	FROM	162	TO	142	LENGTH	1896.144	BEARING	N	1	54	38	E

CHAIN POINTS

POINT	142	N	268934.136	E	263685.447	S	**********	Z **********
POINT	143	N	268866.048	E	265594.481	S	**********	Z **********
POINT	163	N	266969.532	E	265533.183	S	**********	Z **********
POINT	162	N	267039.046	E	263622.230	S	**********	Z **********
POINT	142	N	268934.136	E	263685.447	S	**********	Z **********

TOTAL AREA OF LIST 3625255.716 SQUARE FEET 83.224 ACRES

DES CHA 'C1'

DESCRIPTION OF CHAIN C1

CHAIN ELEMENTS

COURSE	FROM	3	TO	4	LENGTH	1896.467	BEARING	S	87	42	18	E
COURSE	FROM	4	TO	24	LENGTH	1876.468	BEARING	S	1	47	30	W
COURSE	FROM	24	TO	23	LENGTH	1898.365	BEARING	N	87	58	30	W
COURSE	FROM	23	TO	3	LENGTH	1885.394	BEARING	N	1	51	4	E

counter 45359

CHAIN POINTS

POINT	3	N	282192.385	E	266025.201	S	**********	Z **********
POINT	4	N	282116.443	E	267920.146	S	**********	Z **********
POINT	24	N	280240.892	E	267861.474	S	**********	Z **********
POINT	23	N	280307.976	E	265964.295	S	**********	Z **********
POINT	3	N	282192.385	E	266025.201	S	**********	Z **********

TOTAL AREA OF LIST 3568835.201 SQUARE FEET 81.939 ACRES

DES CHA 'C2'

DESCRIPTION OF CHAIN C2

CHAIN ELEMENTS

COURSE	FROM	23 TO	24	LENGTH	1898.365	BEARING	S 87 58 30 E
COURSE	FROM	24 TO	44	LENGTH	1909.098	BEARING	S 1 47 30 W
COURSE	FROM	44 TO	43	LENGTH	1900.345	BEARING	N 87 58 26 W
COURSE	FROM	43 TO	23	LENGTH	1909.057	BEARING	N 1 51 4 E

CHAIN POINTS

POINT	23	N	280307.976	E	265964.295	S	**********	Z **********
POINT	24	N	280240.892	E	267861.474	S	**********	Z **********
POINT	44	N	278332.727	E	267801.782	S	**********	Z **********
POINT	43	N	278399.915	E	265902.625	S	**********	Z **********
POINT	23	N	280307.976	E	265964.295	S	**********	Z **********

TOTAL AREA OF LIST 3625993.139 SQUARE FEET 83.241 ACRES

DES CHA 'C3'

DESCRIPTION OF CHAIN C3

CHAIN ELEMENTS

COURSE	FROM	43 TO	44	LENGTH	1900.345	BEARING	S 87 58 26 E
COURSE	FROM	44 TO	64	LENGTH	1907.056	BEARING	S 1 47 30 W
COURSE	FROM	64 TO	63	LENGTH	1902.324	BEARING	N 87 58 8 W
COURSE	FROM	63 TO	43	LENGTH	1906.887	BEARING	N 1 51 4 E

CHAIN POINTS

POINT	43	N	278399.915	E	265902.625	S	**********	Z **********
POINT	44	N	278332.727	E	267801.782	S	**********	Z **********
POINT	64	N	276426.604	E	267742.153	S	**********	Z **********
POINT	63	N	276494.023	E	265841.024	S	**********	Z **********
POINT	43	N	278399.915	E	265902.625	S	**********	Z **********

TOTAL AREA OF LIST 3625767.521 SQUARE FEET 83.236 ACRES

DES CHA 'C4'

DESCRIPTION OF CHAIN C4

CHAIN ELEMENTS

COURSE	FROM	63 TO	64	LENGTH	1902.324	BEARING	S 87 58 8 E
COURSE	FROM	64 TO	84	LENGTH	1930.142	BEARING	S 1 47 30 W
COURSE	FROM	84 TO	83	LENGTH	1904.323	BEARING	N 88 0 27 W
COURSE	FROM	83 TO	63	LENGTH	1931.414	BEARING	N 1 51 4 E

CHAIN POINTS

POINT	63	N	276494.023	E	265841.024	S	**********	Z **********
POINT	64	N	276426.604	E	267742.153	S	**********	Z **********
POINT	84	N	274497.406	E	267681.803	S	**********	Z **********
POINT	83	N	274563.617	E	265778.632	S	**********	Z **********
POINT	63	N	276494.023	E	265841.024	S	**********	Z **********

TOTAL AREA OF LIST 3674874.063 SQUARE FEET 84.364 ACRES

DES CHA 'C5'

DESCRIPTION OF CHAIN C5

CHAIN ELEMENTS

COURSE	FROM	83 TO	84	LENGTH	1904.323	BEARING	S 88 0 27 E
COURSE	FROM	84 TO	104	LENGTH	1907.932	BEARING	S 1 47 30 W
COURSE	FROM	104 TO	103	LENGTH	1906.302	BEARING	N 88 0 15 W
COURSE	FROM	103 TO	83	LENGTH	1907.818	BEARING	N 1 51 4 E

CHAIN POINTS

POINT	83	N	274563.617	E	265778.632	S	**********	Z **********
POINT	84	N	274497.406	E	267681.803	S	**********	Z **********
POINT	104	N	272590.406	E	267622.147	S	**********	Z **********
POINT	103	N	272656.795	E	265717.001	S	**********	Z **********

counter 45360

POINT 83 N 274563.617 E 265778.632 S ********** Z **********

TOTAL AREA OF LIST 3635081.705 SQUARE FEET 83.45 ACRES

DES CHA 'C6'

DESCRIPTION OF CHAIN C6

CHAIN ELEMENTS

COURSE	FROM	103	TO 104	LENGTH	1906.302	BEARING	S 88 0 15 E
COURSE	FROM	104	TO 124	LENGTH	1897.152	BEARING	S 1 47 30 W
COURSE	FROM	124	TO 123	LENGTH	1908.273	BEARING	N 87 58 51 W
COURSE	FROM	123	TO 103	LENGTH	1896.365	BEARING	N 1 51 4 E

CHAIN POINTS

POINT	103	N	272656.795	E	265717.001	S **********	Z **********
POINT	104	N	272590.406	E	267622.147	S **********	Z **********
POINT	124	N	270694.182	E	267562.829	S **********	Z **********
POINT	123	N	270761.419	E	265655.741	S **********	Z **********
POINT	103	N	272656.795	E	265717.001	S **********	Z **********

TOTAL AREA OF LIST 3617644.719 SQUARE FEET 83.05 ACRES

DES CHA 'C7'

DESCRIPTION OF CHAIN C7

CHAIN ELEMENTS

COURSE	FROM	123	TO 124	LENGTH	1908.273	BEARING	S 87 58 51 E
COURSE	FROM	124	TO 144	LENGTH	1897.149	BEARING	S 1 47 30 W
COURSE	FROM	144	TO 143	LENGTH	1910.243	BEARING	N 87 57 26 W
COURSE	FROM	143	TO 123	LENGTH	1896.361	BEARING	N 1 51 4 E

CHAIN POINTS

POINT	123	N	270761.419	E	265655.741	S **********	Z **********
POINT	124	N	270694.182	E	267562.829	S **********	Z **********
POINT	144	N	268797.960	E	267503.510	S **********	Z **********
POINT	143	N	268866.048	E	265594.481	S **********	Z **********
POINT	123	N	270761.419	E	265655.741	S **********	Z **********

TOTAL AREA OF LIST 3621369.204 SQUARE FEET 83.135 ACRES

DES CHA 'C8'

DESCRIPTION OF CHAIN C8

CHAIN ELEMENTS

COURSE	FROM	143	TO 144	LENGTH	1910.243	BEARING	S 87 57 26 E
COURSE	FROM	144	TO 164	LENGTH	1898.871	BEARING	S 1 47 30 W
COURSE	FROM	164	TO 163	LENGTH	1912.218	BEARING	N 87 55 0 W
COURSE	FROM	163	TO 143	LENGTH	1897.506	BEARING	N 1 51 4 E

CHAIN POINTS

POINT	143	N	268866.048	E	265594.481	S **********	Z **********
POINT	144	N	268797.960	E	267503.510	S **********	Z **********
POINT	164	N	266900.018	E	267444.137	S **********	Z **********
POINT	163	N	266969.532	E	265533.183	S **********	Z **********
POINT	143	N	268866.048	E	265594.481	S **********	Z **********

TOTAL AREA OF LIST 3627842.574 SQUARE FEET 83.284 ACRES

DES CHA 'D1'

DESCRIPTION OF CHAIN D1

CHAIN ELEMENTS

COURSE	FROM	4	TO 5	LENGTH	1896.467	BEARING	S 87 42 18 E
COURSE	FROM	5	TO 25	LENGTH	1867.545	BEARING	S 1 43 56 W
COURSE	FROM	25	TO 24	LENGTH	1898.348	BEARING	N 87 58 30 W
COURSE	FROM	24	TO 4	LENGTH	1876.468	BEARING	N 1 47 30 E

CHAIN POINTS

POINT	4	N	282116.443	E	267920.146	S **********	Z **********
POINT	5	N	282040.501	E	269815.092	S **********	Z **********
POINT	25	N	280173.810	E	269758.637	S **********	Z **********
POINT	24	N	280240.892	E	267861.474	S **********	Z **********
POINT	4	N	282116.443	E	267920.146	S **********	Z **********

TOTAL AREA OF LIST 3551862.852 SQUARE FEET 81.54 ACRES

DES CHA 'D2'

counter 45361

DESCRIPTION OF CHAIN D2

CHAIN ELEMENTS

COURSE	FROM	24	TO	25	LENGTH	1898.348	BEARING	S	87	58	30	E
COURSE	FROM	25	TO	45	LENGTH	1909.142	BEARING	S	1	43	56	W
COURSE	FROM	45	TO	44	LENGTH	1900.331	BEARING	N	87	58	26	W
COURSE	FROM	44	TO	24	LENGTH	1909.098	BEARING	N	1	47	30	E

CHAIN POINTS

POINT	24	N	280240.892	E	267861.474	S **********	Z **********
POINT	25	N	280173.810	E	269758.637	S **********	Z **********
POINT	45	N	278265.540	E	269700.924	S **********	Z **********
POINT	44	N	278332.727	E	267801.782	S **********	Z **********
POINT	24	N	280240.892	E	267861.474	S **********	Z **********

TOTAL AREA OF LIST 3626028.087 SQUARE FEET 83.242 ACRES

DES CHA 'D3'

DESCRIPTION OF CHAIN D3

CHAIN ELEMENTS

COURSE	FROM	44	TO	45	LENGTH	1900.331	BEARING	S	87	58	26	E
COURSE	FROM	45	TO	65	LENGTH	1907.227	BEARING	S	1	43	56	W
COURSE	FROM	65	TO	64	LENGTH	1902.312	BEARING	N	87	58	8	W
COURSE	FROM	64	TO	44	LENGTH	1907.056	BEARING	N	1	47	30	E

CHAIN POINTS

POINT	44	N	278332.727	E	267801.782	S **********	Z **********
POINT	45	N	278265.540	E	269700.924	S **********	Z **********
POINT	65	N	276359.185	E	269643.270	S **********	Z **********
POINT	64	N	276426.604	E	267742.153	S **********	Z **********
POINT	44	N	278332.727	E	267801.782	S **********	Z **********

TOTAL AREA OF LIST 3626048.538 SQUARE FEET 83.243 ACRES

DES CHA 'D4'

DESCRIPTION OF CHAIN D4

CHAIN ELEMENTS

COURSE	FROM	64	TO	65	LENGTH	1902.312	BEARING	S	87	58	8	E
COURSE	FROM	65	TO	85	LENGTH	1928.872	BEARING	S	1	43	56	W
COURSE	FROM	85	TO	84	LENGTH	1904.309	BEARING	N	88	0	27	W
COURSE	FROM	84	TO	64	LENGTH	1930.142	BEARING	N	1	47	30	E

CHAIN POINTS

POINT	64	N	276426.604	E	267742.153	S **********	Z **********
POINT	65	N	276359.185	E	269643.270	S **********	Z **********
POINT	85	N	274431.194	E	269584.961	S **********	Z **********
POINT	84	N	274497.406	E	267681.803	S **********	Z **********
POINT	64	N	276426.604	E	267742.153	S **********	Z **********

TOTAL AREA OF LIST 3672415.39 SQUARE FEET 84.307 ACRES

DES CHA 'D5'

DESCRIPTION OF CHAIN D5

CHAIN ELEMENTS

COURSE	FROM	84	TO	85	LENGTH	1904.309	BEARING	S	88	0	27	E
COURSE	FROM	85	TO	105	LENGTH	1908.048	BEARING	S	1	43	56	W
COURSE	FROM	105	TO	104	LENGTH	1906.291	BEARING	N	88	0	15	W
COURSE	FROM	104	TO	84	LENGTH	1907.932	BEARING	N	1	47	30	E

CHAIN POINTS

POINT	84	N	274497.406	E	267681.803	S **********	Z **********
POINT	85	N	274431.194	E	269584.961	S **********	Z **********
POINT	105	N	272524.019	E	269527.282	S **********	Z **********
POINT	104	N	272590.406	E	267622.147	S **********	Z **********
POINT	84	N	274497.406	E	267681.803	S **********	Z **********

TOTAL AREA OF LIST 3635263.139 SQUARE FEET 83.454 ACRES

DES CHA 'D6'

DESCRIPTION OF CHAIN D6

CHAIN ELEMENTS

COURSE	FROM	104	TO	105	LENGTH	1906.291	BEARING	S	88	0	15	E
COURSE	FROM	105	TO	125	LENGTH	1897.942	BEARING	S	1	43	56	W
COURSE	FROM	125	TO	124	LENGTH	1908.264	BEARING	N	87	58	51	W

county 45362

COURSE FROM 124 TO 104 LENGTH 1897.152 BEARING N 1 47 30 E

CHAIN POINTS

POINT	104	N	272590.406	E	267622.147	S	**********	Z	**********
POINT	105	N	272524.019	E	269527.282	S	**********	Z	**********
POINT	125	N	270626.944	E	269469.908	S	**********	Z	**********
POINT	124	N	270694.182	E	267562.829	S	**********	Z	**********
POINT	104	N	272590.406	E	267622.147	S	**********	Z	**********

TOTAL AREA OF LIST 3619115.392 SQUARE FEET 83.083 ACRES

DES CHA 'D7'

DESCRIPTION OF CHAIN D7

CHAIN ELEMENTS

COURSE	FROM	124 TO	125	LENGTH	1908.264	BEARING	S 87 58 51 E
COURSE	FROM	125 TO	145	LENGTH	1897.939	BEARING	S 1 43 56 W
COURSE	FROM	145 TO	144	LENGTH	1910.238	BEARING	N 87 57 26 W
COURSE	FROM	144 TO	124	LENGTH	1897.149	BEARING	N 1 47 30 E

CHAIN POINTS

POINT	124	N	270694.182	E	267562.829	S	**********	Z	**********
POINT	125	N	270626.944	E	269469.908	S	**********	Z	**********
POINT	145	N	268729.872	E	269412.534	S	**********	Z	**********
POINT	144	N	268797.960	E	267503.510	S	**********	Z	**********
POINT	124	N	270694.182	E	267562.829	S	**********	Z	**********

TOTAL AREA OF LIST 3622848.182 SQUARE FEET 83.179 ACRES

DES CHA 'D8'

DESCRIPTION OF CHAIN D8

CHAIN ELEMENTS

COURSE	FROM	144 TO	145	LENGTH	1910.238	BEARING	S 87 57 26 E
COURSE	FROM	145 TO	165	LENGTH	1900.237	BEARING	S 1 43 56 W
COURSE	FROM	165 TO	164	LENGTH	1912.218	BEARING	N 87 55 0 W
COURSE	FROM	164 TO	144	LENGTH	1898.871	BEARING	N 1 47 30 E

CHAIN POINTS

POINT	144	N	268797.960	E	267503.510	S	**********	Z	**********
POINT	145	N	268729.872	E	269412.534	S	**********	Z	**********
POINT	165	N	266830.504	E	269355.091	S	**********	Z	**********
POINT	164	N	266900.018	E	267444.137	S	**********	Z	**********
POINT	144	N	268797.960	E	267503.510	S	**********	Z	**********

TOTAL AREA OF LIST 3630429.417 SQUARE FEET 83.343 ACRES

DES CHA 'E1'

DESCRIPTION OF CHAIN E1

CHAIN ELEMENTS

COURSE	FROM	5 TO	6	LENGTH	1896.467	BEARING	S 87 42 18 E
COURSE	FROM	6 TO	26	LENGTH	1858.623	BEARING	S 1 40 22 W
COURSE	FROM	26 TO	25	LENGTH	1898.331	BEARING	N 87 58 30 W
COURSE	FROM	25 TO	5	LENGTH	1867.545	BEARING	N 1 43 56 E

CHAIN POINTS

POINT	5	N	282040.501	E	269815.092	S	**********	Z	**********
POINT	6	N	281964.558	E	271710.037	S	**********	Z	**********
POINT	26	N	280106.727	E	271655.783	S	**********	Z	**********
POINT	25	N	280173.810	E	269758.637	S	**********	Z	**********
POINT	5	N	282040.501	E	269815.092	S	**********	Z	**********

TOTAL AREA OF LIST 3534890.707 SQUARE FEET 81.15 ACRES

DES CHA 'E2'

DESCRIPTION OF CHAIN E2

CHAIN ELEMENTS

COURSE	FROM	25 TO	26	LENGTH	1898.331	BEARING	S 87 58 30 E
COURSE	FROM	26 TO	46	LENGTH	1909.187	BEARING	S 1 40 22 W
COURSE	FROM	46 TO	45	LENGTH	1900.316	BEARING	N 87 58 26 W
COURSE	FROM	45 TO	25	LENGTH	1909.142	BEARING	N 1 43 56 E

CHAIN POINTS

POINT	25	N	280173.810	E	269758.637	S	**********	Z	**********

counter 45363

POINT	26	N	280106.727	E	271655.783	S	**********	Z	**********
POINT	46	N	278198.354	E	271600.052	S	**********	Z	**********
POINT	45	N	278265.540	E	269700.924	S	**********	Z	**********
POINT	25	N	280173.810	E	269758.637	S	**********	Z	**********

TOTAL AREA OF LIST 3626063.002 SQUARE FEET 83.243 ACRES

DES CHA 'E3'

DESCRIPTION OF CHAIN E3

CHAIN ELEMENTS

COURSE	FROM 45 TO 46	LENGTH	1900.316	BEARING	S	87	58 26 E
COURSE	FROM 46 TO 66	LENGTH	1907.40	BEARING	S	1	40 22 W
COURSE	FROM 66 TO 65	LENGTH	1902.299	BEARING	N	87	58 8 W
COURSE	FROM 65 TO 45	LENGTH	1907.227	BEARING	N	1	43 56 E

CHAIN POINTS

POINT	45	N	278265.540	E	269700.924	S	**********	Z	**********
POINT	46	N	278198.354	E	271600.052	S	**********	Z	**********
POINT	66	N	276291.767	E	271544.374	S	**********	Z	**********
POINT	65	N	276359.185	E	269643.270	S	**********	Z	**********
POINT	45	N	278265.540	E	269700.924	S	**********	Z	**********

TOTAL AREA OF LIST 3626329.513 SQUARE FEET 83.259 ACRES

DES CHA 'E4'

DESCRIPTION OF CHAIN E4

CHAIN ELEMENTS

COURSE	FROM 65 TO 66	LENGTH	1902.299	BEARING	S	87	58 8 E
COURSE	FROM 66 TO 86	LENGTH	1927.605	BEARING	S	1	40 22 W
COURSE	FROM 86 TO 85	LENGTH	1904.296	BEARING	N	88	0 27 W
COURSE	FROM 85 TO 65	LENGTH	1928.872	BEARING	N	1	43 56 E

CHAIN POINTS

POINT	65	N	276359.185	E	269643.270	S	**********	Z	**********
POINT	66	N	276291.767	E	271544.374	S	**********	Z	**********
POINT	86	N	274364.984	E	271488.106	S	**********	Z	**********
POINT	85	N	274431.194	E	269584.961	S	**********	Z	**********
POINT	65	N	276359.185	E	269643.270	S	**********	Z	**********

TOTAL AREA OF LIST 3669956.732 SQUARE FEET 84.251 ACRES

DES CHA 'E5'

DESCRIPTION OF CHAIN E5

CHAIN ELEMENTS

COURSE	FROM 85 TO 86	LENGTH	1904.296	BEARING	S	88	0 27 E
COURSE	FROM 86 TO 106	LENGTH	1908.166	BEARING	S	1	40 22 W
COURSE	FROM 106 TO 105	LENGTH	1906.279	BEARING	N	88	0 15 W
COURSE	FROM 105 TO 85	LENGTH	1908.048	BEARING	N	1	43 56 E

CHAIN POINTS

POINT	85	N	274431.194	E	269584.961	S	**********	Z	**********
POINT	86	N	274364.984	E	271488.106	S	**********	Z	**********
POINT	106	N	272457.631	E	271432.405	S	**********	Z	**********
POINT	105	N	272524.019	E	269527.282	S	**********	Z	**********
POINT	85	N	274431.194	E	269584.961	S	**********	Z	**********

TOTAL AREA OF LIST 3635444.535 SQUARE FEET 83.458 ACRES

DES CHA 'E6'

DESCRIPTION OF CHAIN E6

CHAIN ELEMENTS

COURSE	FROM 105 TO 106	LENGTH	1906.279	BEARING	S	88	0 15 E
COURSE	FROM 106 TO 126	LENGTH	1898.733	BEARING	S	1	40 22 W
COURSE	FROM 126 TO 125	LENGTH	1908.256	BEARING	N	87	58 51 W
COURSE	FROM 125 TO 105	LENGTH	1897.942	BEARING	N	1	43 56 E

CHAIN POINTS

POINT	105	N	272524.019	E	269527.282	S	**********	Z	**********
POINT	106	N	272457.631	E	271432.405	S	**********	Z	**********
POINT	126	N	270559.707	E	271376.980	S	**********	Z	**********
POINT	125	N	270626.944	E	269469.908	S	**********	Z	**********
POINT	105	N	272524.019	E	269527.282	S	**********	Z	**********

TOTAL AREA OF LIST 3620586.018 SQUARE FEET 83.117 ACRES

DES CHA 'E7'

counter 45364

DESCRIPTION OF CHAIN E7

CHAIN ELEMENTS

COURSE	FROM	125	TO	126	LENGTH	1908.256	BEARING	S	87	58	51	E
COURSE	FROM	126	TO	146	LENGTH	1898.731	BEARING	S	1	40	22	W
COURSE	FROM	146	TO	145	LENGTH	1910.234	BEARING	N	87	57	26	W
COURSE	FROM	145	TO	125	LENGTH	1897.939	BEARING	N	1	43	56	E

CHAIN POINTS

POINT	125	N	270626.944	E	269469.908	S **********	Z **********
POINT	126	N	270559.707	E	271376.980	S **********	Z **********
POINT	146	N	268661.785	E	271321.554	S **********	Z **********
POINT	145	N	268729.872	E	269412.534	S **********	Z **********
POINT	125	N	270626.944	E	269469.908	S **********	Z **********

TOTAL AREA OF LIST 3624327.129 SQUARE FEET 83.203 ACRES

DES CHA 'E8'

DESCRIPTION OF CHAIN E8

CHAIN ELEMENTS

COURSE	FROM	145	TO	146	LENGTH	1910.234	BEARING	S	87	57	26	E
COURSE	FROM	146	TO	166	LENGTH	1901.605	BEARING	S	1	40	22	W
COURSE	FROM	166	TO	165	LENGTH	1912.218	BEARING	N	87	55	0	W
COURSE	FROM	165	TO	145	LENGTH	1900.237	BEARING	N	1	43	56	E

CHAIN POINTS

POINT	145	N	268729.872	E	269412.534	S **********	Z **********
POINT	146	N	268661.785	E	271321.554	S **********	Z **********
POINT	166	N	266760.990	E	271266.045	S **********	Z **********
POINT	165	N	266830.504	E	269355.091	S **********	Z **********
POINT	145	N	268729.872	E	269412.534	S **********	Z **********

TOTAL AREA OF LIST 3633016.244 SQUARE FEET 83.403 ACRES

DES CHA 'F1'

DESCRIPTION OF CHAIN F1

CHAIN ELEMENTS

COURSE	FROM	6	TO	7	LENGTH	1896.467	BEARING	S	87	42	18	E
COURSE	FROM	7	TO	27	LENGTH	1849.704	BEARING	S	1	36	47	W
COURSE	FROM	27	TO	26	LENGTH	1898.315	BEARING	N	87	58	30	W
COURSE	FROM	26	TO	6	LENGTH	1858.623	BEARING	N	1	40	22	E

CHAIN POINTS

POINT	6	N	281964.558	E	271710.037	S **********	Z **********
POINT	7	N	281888.616	E	273604.983	S **********	Z **********
POINT	27	N	280039.646	E	273552.912	S **********	Z **********
POINT	26	N	280106.727	E	271655.783	S **********	Z **********
POINT	6	N	281964.558	E	271710.037	S **********	Z **********

TOTAL AREA OF LIST 3517918.765 SQUARE FEET 80.760 ACRES

DES CHA 'F2'

DESCRIPTION OF CHAIN F2

CHAIN ELEMENTS

COURSE	FROM	26	TO	27	LENGTH	1898.315	BEARING	S	87	58	30	E
COURSE	FROM	27	TO	47	LENGTH	1909.235	BEARING	S	1	36	47	W
COURSE	FROM	47	TO	46	LENGTH	1900.301	BEARING	N	87	58	26	W
COURSE	FROM	46	TO	26	LENGTH	1909.187	BEARING	N	1	40	22	E

CHAIN POINTS

POINT	26	N	280106.727	E	271655.783	S **********	Z **********
POINT	27	N	280039.646	E	273552.912	S **********	Z **********
POINT	47	N	278131.167	E	273499.165	S **********	Z **********
POINT	46	N	278198.354	E	271600.052	S **********	Z **********
POINT	26	N	280106.727	E	271655.783	S **********	Z **********

TOTAL AREA OF LIST 3626097.873 SQUARE FEET 83.244 ACRES

DES CHA 'F3'

DESCRIPTION OF CHAIN F3

CHAIN ELEMENTS

COURSE	FROM	46	TO	47	LENGTH	1900.301	BEARING	S	87	58	26	E
COURSE	FROM	47	TO	67	LENGTH	1907.575	BEARING	S	1	36	47	W
COURSE	FROM	67	TO	66	LENGTH	1902.286	BEARING	N	87	58	8	W
COURSE	FROM	66	TO	46	LENGTH	1907.40	BEARING	N	1	40	22	E

CHAIN POINTS

counter 45365

POINT	46	N	278198.354	E	271600.052	S	**********	Z	**********
POINT	47	N	278131.167	E	273499.165	S	**********	Z	**********
POINT	67	N	276224.349	E	273445.465	S	**********	Z	**********
POINT	66	N	276291.767	E	271544.374	S	**********	Z	**********
POINT	46	N	278198.354	E	271600.052	S	**********	Z	**********

TOTAL AREA OF LIST 3626610.445 SQUARE FEET 83.256 ACRES

DES CHA 'F4'

DESCRIPTION OF CHAIN F4

CHAIN ELEMENTS

COURSE	FROM 66 TO 67	LENGTH	1902.286	BEARING	S	87	58 8 E
COURSE	FROM 67 TO 87	LENGTH	1926.339	BEARING	S	1	36 47 W
COURSE	FROM 87 TO 86	LENGTH	1904.282	BEARING	N	88	0 27 W
COURSE	FROM 86 TO 66	LENGTH	1927.605	BEARING	N	1	40 22 E

CHAIN POINTS

POINT	66	N	276291.767	E	271544.374	S	**********	Z	**********
POINT	67	N	276224.349	E	273445.465	S	**********	Z	**********
POINT	87	N	274298.773	E	273391.236	S	**********	Z	**********
POINT	86	N	274364.984	E	271488.106	S	**********	Z	**********
POINT	66	N	276291.767	E	271544.374	S	**********	Z	**********

TOTAL AREA OF LIST 3667498.099 SQUARE FEET 84.194 ACRES

DES CHA 'F5'

DESCRIPTION OF CHAIN F5

CHAIN ELEMENTS

COURSE	FROM 86 TO 87	LENGTH	1904.282	BEARING	S	88	0 27 E
COURSE	FROM 87 TO 107	LENGTH	1908.286	BEARING	S	1	36 47 W
COURSE	FROM 107 TO 106	LENGTH	1906.268	BEARING	N	88	0 15 W
COURSE	FROM 106 TO 86	LENGTH	1908.166	BEARING	N	1	40 22 E

CHAIN POINTS

POINT	86	N	274364.984	E	271488.106	S	**********	Z	**********
POINT	87	N	274298.773	E	273391.236	S	**********	Z	**********
POINT	107	N	272391.244	E	273337.516	S	**********	Z	**********
POINT	106	N	272457.631	E	271432.405	S	**********	Z	**********

POINT	86	N	274364.984	E	271488.106	S	**********	Z	**********

TOTAL AREA OF LIST 3635625.895 SQUARE FEET 83.462 ACRES

DES CHA 'F6'

DESCRIPTION OF CHAIN F6

CHAIN ELEMENTS

COURSE	FROM 106 TO 107	LENGTH	1906.268	BEARING	S	88	0 15 E
COURSE	FROM 107 TO 127	LENGTH	1899.526	BEARING	S	1	36 47 W
COURSE	FROM 127 TO 126	LENGTH	1908.248	BEARING	N	87	58 51 W
COURSE	FROM 126 TO 106	LENGTH	1898.733	BEARING	N	1	40 22 E

CHAIN POINTS

POINT	106	N	272457.631	E	271432.405	S	**********	Z	**********
POINT	107	N	272391.244	E	273337.516	S	**********	Z	**********
POINT	127	N	270492.470	E	273284.043	S	**********	Z	**********
POINT	126	N	270559.707	E	271376.980	S	**********	Z	**********
POINT	106	N	272457.631	E	271432.405	S	**********	Z	**********

TOTAL AREA OF LIST 3622056.594 SQUARE FEET 83.151 ACRES

DES CHA 'F7'

DESCRIPTION OF CHAIN F7

CHAIN ELEMENTS

COURSE	FROM 126 TO 127	LENGTH	1908.248	BEARING	S	87	58 51 E
COURSE	FROM 127 TO 147	LENGTH	1899.526	BEARING	S	1	36 47 W
COURSE	FROM 147 TO 146	LENGTH	1910.229	BEARING	N	87	57 26 W
COURSE	FROM 146 TO 126	LENGTH	1898.731	BEARING	N	1	40 22 E

CHAIN POINTS

POINT	126	N	270559.707	E	271376.980	S	**********	Z	**********
POINT	127	N	270492.470	E	273284.043	S	**********	Z	**********
POINT	147	N	268593.697	E	273230.569	S	**********	Z	**********
POINT	146	N	268661.785	E	271321.554	S	**********	Z	**********
POINT	126	N	270559.707	E	271376.980	S	**********	Z	**********

TOTAL AREA OF LIST 3625806.044 SQUARE FEET 83.237 ACRES

counter 45366

DES CHA 'F8'

DESCRIPTION OF CHAIN F8

CHAIN ELEMENTS

COURSE	FROM	146	TO 147	LENGTH	1910.229	BEARING	S 87 57 26 E
COURSE	FROM	147	TO 167	LENGTH	1902.975	BEARING	S 1 36 47 W
COURSE	FROM	167	TO 166	LENGTH	1912.218	BEARING	N 87 55 0 W
COURSE	FROM	166	TO 146	LENGTH	1901.605	BEARING	N 1 40 22 E

CHAIN POINTS

POINT	146	N	268661.785	E	271321.554	S **********	Z **********
POINT	147	N	268593.697	E	273230.569	S **********	Z **********
POINT	167	N	266691.476	E	273176.999	S **********	Z **********
POINT	166	N	266760.990	E	271266.045	S **********	Z **********
POINT	146	N	268661.785	E	271321.554	S **********	Z **********

TOTAL AREA OF LIST 3635603.056 SQUARE FEET 83.462 ACRES

DES CHA 'G1'

DESCRIPTION OF CHAIN G1

CHAIN ELEMENTS

COURSE	FROM	7	TO 278	LENGTH	475.610	BEARING	S 87 42 18 E
COURSE	FROM	278	TO 8	LENGTH	1519.830	BEARING	S 88 23 41 E
COURSE	FROM	8	TO 28	LENGTH	1858.614	BEARING	S 1 33 3 W
COURSE	FROM	28	TO 27	LENGTH	1997.479	BEARING	N 87 58 30 W
COURSE	FROM	27	TO 7	LENGTH	1849.704	BEARING	N 1 36 47 E

CHAIN POINTS

POINT	7	N	281888.616	E	273604.983	S **********	Z **********
POINT	278	N	281869.571	E	274080.211	S **********	Z **********
POINT	8	N	281826.992	E	275599.445	S **********	Z **********
POINT	28	N	279969.060	E	275549.143	S **********	Z **********
POINT	27	N	280039.646	E	273552.912	S **********	Z **********
POINT	7	N	281888.616	E	273604.983	S **********	Z **********

TOTAL AREA OF LIST 3697313.052 SQUARE FEET 84.879 ACRES

DES CHA 'G2'

DESCRIPTION OF CHAIN G2

CHAIN ELEMENTS

COURSE	FROM	27	TO 28	LENGTH	1997.479	BEARING	S 87 58 30 E
COURSE	FROM	28	TO 48	LENGTH	1909.287	BEARING	S 1 33 3 W
COURSE	FROM	48	TO 47	LENGTH	1999.556	BEARING	N 87 58 26 W
COURSE	FROM	47	TO 27	LENGTH	1909.235	BEARING	N 1 36 47 E

CHAIN POINTS

POINT	27	N	280039.646	E	273552.912	S **********	Z **********
POINT	28	N	279969.060	E	275549.143	S **********	Z **********
POINT	48	N	278060.472	E	275497.470	S **********	Z **********
POINT	47	N	278131.167	E	273499.165	S **********	Z **********
POINT	27	N	280039.646	E	273552.912	S **********	Z **********

TOTAL AREA OF LIST 3815576.479 SQUARE FEET 87.594 ACRES

DES CHA 'G3'

DESCRIPTION OF CHAIN G3

CHAIN ELEMENTS

COURSE	FROM	47	TO 48	LENGTH	1999.556	BEARING	S 87 58 26 E
COURSE	FROM	48	TO 68	LENGTH	1907.761	BEARING	S 1 33 3 W
COURSE	FROM	68	TO 67	LENGTH	2001.632	BEARING	N 87 58 8 W
COURSE	FROM	67	TO 47	LENGTH	1907.575	BEARING	N 1 36 47 E

CHAIN POINTS

POINT	47	N	278131.167	E	273499.165	S **********	Z **********
POINT	48	N	278060.472	E	275497.470	S **********	Z **********
POINT	68	N	276153.410	E	275445.839	S **********	Z **********
POINT	67	N	276224.349	E	273445.465	S **********	Z **********
POINT	47	N	278131.167	E	273499.165	S **********	Z **********

TOTAL AREA OF LIST 3816351.776 SQUARE FEET 87.611 ACRES

DES CHA 'G4'

DESCRIPTION OF CHAIN G4

counter 45367

CHAIN ELEMENTS

COURSE	FROM	67	TO	68	LENGTH	2001.632	BEARING	S	87	58	8	E
COURSE	FROM	68	TO	88	LENGTH	1925.009	BEARING	S	1	33	3	W
COURSE	FROM	88	TO	87	LENGTH	2003.715	BEARING	N	88	0	27	W
COURSE	FROM	87	TO	67	LENGTH	1926.339	BEARING	N	1	36	47	E

CHAIN POINTS

POINT	67	N	276224.349	E	273445.465	S	**********	Z **********
POINT	68	N	276153.410	E	275445.839	S	**********	Z **********
POINT	88	N	274229.106	E	275393.740	S	**********	Z **********
POINT	87	N	274298.773	E	273391.236	S	**********	Z **********
POINT	67	N	276224.349	E	273445.465	S	**********	Z **********

TOTAL AREA OF LIST 3856387.214 SQUARE FEET 88.530 ACRES

DES CHA 'G5'

DESCRIPTION OF CHAIN G5

CHAIN ELEMENTS

COURSE	FROM	87	TO	88	LENGTH	2003.715	BEARING	S	88	0	27	E
COURSE	FROM	88	TO	108	LENGTH	1908.414	BEARING	S	1	33	3	W
COURSE	FROM	108	TO	107	LENGTH	2005.791	BEARING	N	88	0	15	W
COURSE	FROM	107	TO	87	LENGTH	1908.286	BEARING	N	1	36	47	E

CHAIN POINTS

POINT	87	N	274298.773	E	273391.236	S	**********	Z **********
POINT	88	N	274229.106	E	275393.740	S	**********	Z **********
POINT	108	N	272321.391	E	275342.091	S	**********	Z **********
POINT	107	N	272391.244	E	273337.516	S	**********	Z **********
POINT	87	N	274298.773	E	273391.236	S	**********	Z **********

TOTAL AREA OF LIST 3825670.977 SQUARE FEET 87.825 ACRES

DES CHA 'G6'

DESCRIPTION OF CHAIN G6

CHAIN ELEMENTS

COURSE	FROM	107	TO	108	LENGTH	2005.791	BEARING	S	88	0	15	E
COURSE	FROM	108	TO	128	LENGTH	1900.363	BEARING	S	1	33	3	W
COURSE	FROM	128	TO	127	LENGTH	2007.863	BEARING	N	87	58	51	W
COURSE	FROM	127	TO	107	LENGTH	1899.526	BEARING	N	1	36	47	E

CHAIN POINTS

POINT	107	N	272391.244	E	273337.516	S	**********	Z **********
POINT	108	N	272321.391	E	275342.091	S	**********	Z **********
POINT	128	N	270421.724	E	275290.660	S	**********	Z **********
POINT	127	N	270492.470	E	273284.043	S	**********	Z **********
POINT	107	N	272391.244	E	273337.516	S	**********	Z **********

TOTAL AREA OF LIST 3812755.583 SQUARE FEET 87.529 ACRES

DES CHA 'G7'

DESCRIPTION OF CHAIN G7

CHAIN ELEMENTS

COURSE	FROM	127	TO	128	LENGTH	2007.863	BEARING	S	87	58	51	E
COURSE	FROM	128	TO	148	LENGTH	1900.364	BEARING	S	1	33	3	W
COURSE	FROM	148	TO	147	LENGTH	2009.936	BEARING	N	87	57	26	W
COURSE	FROM	147	TO	127	LENGTH	1899.526	BEARING	N	1	36	47	E

CHAIN POINTS

POINT	127	N	270492.470	E	273284.043	S	**********	Z **********
POINT	128	N	270421.724	E	275290.660	S	**********	Z **********
POINT	148	N	268522.056	E	275239.228	S	**********	Z **********
POINT	147	N	268593.697	E	273230.569	S	**********	Z **********
POINT	127	N	270492.470	E	273284.043	S	**********	Z **********

TOTAL AREA OF LIST 3816680.449 SQUARE FEET 87.619 ACRES

DES CHA 'G8'

DESCRIPTION OF CHAIN G8

CHAIN ELEMENTS

COURSE	FROM	147	TO	148	LENGTH	2009.936	BEARING	S	87	57	26	E
COURSE	FROM	148	TO	168	LENGTH	1904.419	BEARING	S	1	33	3	W
COURSE	FROM	168	TO	167	LENGTH	2012.018	BEARING	N	87	55	0	W
COURSE	FROM	167	TO	147	LENGTH	1902.975	BEARING	N	1	36	47	E

counter 45368

CHAIN POINTS

POINT	147	N	268593.697	E	273230.569	S	**********	Z **********
POINT	148	N	268522.056	E	275239.228	S	**********	Z **********
POINT	168	N	266618.334	E	275187.687	S	**********	Z **********
POINT	167	N	266691.476	E	273176.999	S	**********	Z **********
POINT	147	N	268593.697	E	273230.569	S	**********	Z **********

TOTAL AREA OF LIST 3828155.64 SQUARE FEET 87.882 ACRES

DES CHA 'H1'

DESCRIPTION OF CHAIN H1

CHAIN ELEMENTS

COURSE	FROM 8	TO 9	LENGTH	1896.467	BEARING	S	88 23 41 E
COURSE	FROM 9	TO 29	LENGTH	1872.518	BEARING	S	1 30 51 W
COURSE	FROM 29	TO 28	LENGTH	1897.726	BEARING	N	87 58 30 W
COURSE	FROM 28	TO 8	LENGTH	1858.614	BEARING	N	1 33 3 E

CHAIN POINTS

POINT	8	N	281826.992	E	275599.445	S	**********	Z **********
POINT	9	N	281773.863	E	277495.167	S	**********	Z **********
POINT	29	N	279901.999	E	277445.684	S	**********	Z **********
POINT	28	N	279969.060	E	275549.143	S	**********	Z **********
POINT	8	N	281826.992	E	275599.445	S	**********	Z **********

TOTAL AREA OF LIST 3539090.304 SQUARE FEET 81.246 ACRES

DES CHA 'H2'

DESCRIPTION OF CHAIN H2

CHAIN ELEMENTS

COURSE	FROM 28	TO 29	LENGTH	1897.726	BEARING	S	87 58 30 E
COURSE	FROM 29	TO 49	LENGTH	1909.332	BEARING	S	1 30 51 W
COURSE	FROM 49	TO 48	LENGTH	1898.945	BEARING	N	87 58 26 W
COURSE	FROM 48	TO 28	LENGTH	1909.287	BEARING	N	1 33 3 E

CHAIN POINTS

POINT	28	N	279969.060	E	275549.143	S	**********	Z **********
POINT	29	N	279901.999	E	277445.684	S	**********	Z **********
POINT	49	N	277993.334	E	277395.228	S	**********	Z **********
POINT	48	N	278060.472	E	275497.470	S	**********	Z **********
POINT	28	N	279969.060	E	275549.143	S	**********	Z **********

TOTAL AREA OF LIST 3624374.558 SQUARE FEET 83.204 ACRES

DES CHA 'H3'

DESCRIPTION OF CHAIN H3

CHAIN ELEMENTS

COURSE	FROM 48	TO 49	LENGTH	1898.945	BEARING	S	87 58 26 E
COURSE	FROM 49	TO 69	LENGTH	1907.933	BEARING	S	1 30 51 W
COURSE	FROM 69	TO 68	LENGTH	1900.164	BEARING	N	87 58 8 W
COURSE	FROM 68	TO 48	LENGTH	1907.761	BEARING	N	1 33 3 E

CHAIN POINTS

POINT	48	N	278060.472	E	275497.470	S	**********	Z **********
POINT	49	N	277993.334	E	277395.228	S	**********	Z **********
POINT	69	N	276086.067	E	277344.809	S	**********	Z **********
POINT	68	N	276153.410	E	275445.839	S	**********	Z **********
POINT	48	N	278060.472	E	275497.470	S	**********	Z **********

TOTAL AREA OF LIST 3623922.489 SQUARE FEET 83.194 ACRES

DES CHA 'H4'

DESCRIPTION OF CHAIN H4

CHAIN ELEMENTS

COURSE	FROM 68	TO 69	LENGTH	1900.164	BEARING	S	87 58 8 E
COURSE	FROM 69	TO 89	LENGTH	1923.743	BEARING	S	1 30 51 W
COURSE	FROM 89	TO 88	LENGTH	1901.381	BEARING	N	88 0 27 W
COURSE	FROM 88	TO 68	LENGTH	1925.009	BEARING	N	1 33 3 E

CHAIN POINTS

POINT	68	N	276153.410	E	275445.839	S	**********	Z **********
POINT	69	N	276086.067	E	277344.809	S	**********	Z **********
POINT	89	N	274162.996	E	277293.972	S	**********	Z **********

counter 45369

POINT	88	N	274229.106	E	275393.740	S	**********	Z	**********
POINT	68	N	276153.410	E	275445.839	S	**********	Z	**********

TOTAL AREA OF LIST 3657672.311 SQUARE FEET 83.969 ACRES

DES CHA 'H5'

DESCRIPTION OF CHAIN H5

CHAIN ELEMENTS

COURSE	FROM 88	TO 89	LENGTH 1901.381	BEARING	S	88 0 27	E
COURSE	FROM 89	TO 109	LENGTH 1908.531	BEARING	S	1 30 51	W
COURSE	FROM 109	TO 108	LENGTH 1902.60	BEARING	N	88 0 15	W
COURSE	FROM 108	TO 88	LENGTH 1908.414	BEARING	N	1 33 3	E

CHAIN POINTS

POINT	88	N	274229.106	E	275393.740	S	**********	Z	**********
POINT	89	N	274162.996	E	277293.972	S	**********	Z	**********
POINT	109	N	272255.131	E	277243.537	S	**********	Z	**********
POINT	108	N	272321.391	E	275342.091	S	**********	Z	**********
POINT	88	N	274229.106	E	275393.740	S	**********	Z	**********

TOTAL AREA OF LIST 3629778.456 SQUARE FEET 83.328 ACRES

DES CHA 'H6'

DESCRIPTION OF CHAIN H6

CHAIN ELEMENTS

COURSE	FROM 108	TO 109	LENGTH 1902.60	BEARING	S	88 0 15	E
COURSE	FROM 109	TO 129	LENGTH 1901.153	BEARING	S	1 30 51	W
COURSE	FROM 129	TO 128	LENGTH 1903.819	BEARING	N	87 58 51	W
COURSE	FROM 128	TO 108	LENGTH 1900.363	BEARING	N	1 33 3	E

CHAIN POINTS

POINT	108	N	272321.391	E	275342.091	S	**********	Z	**********
POINT	109	N	272255.131	E	277243.537	S	**********	Z	**********
POINT	129	N	270354.643	E	277193.297	S	**********	Z	**********
POINT	128	N	270421.724	E	275290.660	S	**********	Z	**********
POINT	108	N	272321.391	E	275342.091	S	**********	Z	**********

TOTAL AREA OF LIST 3617416.109 SQUARE FEET 83.044 ACRES

DES CHA 'H7'

DESCRIPTION OF CHAIN H7

CHAIN ELEMENTS

COURSE	FROM 128	TO 129	LENGTH 1903.819	BEARING	S	87 58 51	E
COURSE	FROM 129	TO 149	LENGTH 1901.153	BEARING	S	1 30 51	W
COURSE	FROM 149	TO 148	LENGTH 1905.039	BEARING	N	87 57 26	W
COURSE	FROM 148	TO 128	LENGTH 1900.364	BEARING	N	1 33 3	E

CHAIN POINTS

POINT	128	N	270421.724	E	275290.660	S	**********	Z	**********
POINT	129	N	270354.643	E	277193.297	S	**********	Z	**********
POINT	149	N	268454.154	E	277143.057	S	**********	Z	**********
POINT	148	N	268522.056	E	275239.228	S	**********	Z	**********
POINT	128	N	270421.724	E	275290.660	S	**********	Z	**********

TOTAL AREA OF LIST 3619722.717 SQUARE FEET 83.097 ACRES

DES CHA 'H8'

DESCRIPTION OF CHAIN H8

CHAIN ELEMENTS

COURSE	FROM 148	TO 149	LENGTH 1905.039	BEARING	S	87 57 26	E
COURSE	FROM 149	TO 169	LENGTH 1904.871	BEARING	S	1 30 51	W
COURSE	FROM 169	TO 168	LENGTH 1906.259	BEARING	N	87 56 39	W
COURSE	FROM 168	TO 148	LENGTH 1904.419	BEARING	N	1 33 3	E

CHAIN POINTS

POINT	148	N	268522.056	E	275239.228	S	**********	Z	**********
POINT	149	N	268454.154	E	277143.057	S	**********	Z	**********
POINT	169	N	266549.948	E	277092.719	S	**********	Z	**********
POINT	168	N	266618.334	E	275187.687	S	**********	Z	**********
POINT	148	N	268522.056	E	275239.228	S	**********	Z	**********

TOTAL AREA OF LIST 3629436.798 SQUARE FEET 83.320 ACRES

DES CHA 'H9'

counter 153170

DESCRIPTION OF CHAIN H9

CHAIN ELEMENTS

COURSE	FROM	168	TO	169	LENGTH	1906.259	BEARING	S	87	56	39	E
COURSE	FROM	169	TO	182	LENGTH	2169.477	BEARING	S	1	30	51	W
COURSE	FROM	182	TO	181	LENGTH	1907.68	BEARING	N	87	49	54	W
COURSE	FROM	181	TO	168	LENGTH	2165.719	BEARING	N	1	33	3	E

CHAIN POINTS

POINT	168	N	266618.334	E	275187.687	S **********	Z **********
POINT	169	N	266549.948	E	277092.719	S **********	Z **********
POINT	182	N	264381.228	E	277035.388	S **********	Z **********
POINT	181	N	264453.408	E	275129.074	S **********	Z **********
POINT	168	N	266618.334	E	275187.687	S **********	Z **********

TOTAL AREA OF LIST 4133329.700 SQUARE FEET 94.888 ACRES

DES CHA 'I1'

DESCRIPTION OF CHAIN I1

CHAIN ELEMENTS

COURSE	FROM	9	TO	10	LENGTH	1896.467	BEARING	S	88	23	41	E
COURSE	FROM	10	TO	30	LENGTH	1886.423	BEARING	S	1	28	40	W
COURSE	FROM	30	TO	29	LENGTH	1897.741	BEARING	N	87	58	30	W
COURSE	FROM	29	TO	9	LENGTH	1872.518	BEARING	N	1	30	51	E

CHAIN POINTS

POINT	9	N	281773.863	E	277495.167	S **********	Z **********
POINT	10	N	281720.733	E	279390.889	S **********	Z **********
POINT	30	N	279834.937	E	279342.239	S **********	Z **********
POINT	29	N	279901.999	E	277445.684	S **********	Z **********
POINT	9	N	281773.863	E	277495.167	S **********	Z **********

TOTAL AREA OF LIST 3565470.499 SQUARE FEET 81.852 ACRES

DES CHA 'I2'

DESCRIPTION OF CHAIN I2

CHAIN ELEMENTS

COURSE	FROM	29	TO	30	LENGTH	1897.741	BEARING	S	87	58	30	E
COURSE	FROM	30	TO	50	LENGTH	1909.377	BEARING	S	1	28	40	W
COURSE	FROM	50	TO	49	LENGTH	1898.957	BEARING	N	87	58	26	W
COURSE	FROM	49	TO	29	LENGTH	1909.332	BEARING	N	1	30	51	E

CHAIN POINTS

POINT	29	N	279901.999	E	277445.684	S **********	Z **********
POINT	30	N	279834.937	E	279342.239	S **********	Z **********
POINT	50	N	277926.195	E	279292.998	S **********	Z **********
POINT	49	N	277993.334	E	277395.228	S **********	Z **********
POINT	29	N	279901.999	E	277445.684	S **********	Z **********

TOTAL AREA OF LIST 3624466.104 SQUARE FEET 83.206 ACRES

DES CHA 'I3'

DESCRIPTION OF CHAIN I3

CHAIN ELEMENTS

COURSE	FROM	49	TO	50	LENGTH	1898.957	BEARING	S	87	58	26	E
COURSE	FROM	50	TO	70	LENGTH	1908.106	BEARING	S	1	28	40	W
COURSE	FROM	70	TO	69	LENGTH	1900.174	BEARING	N	87	58	8	W
COURSE	FROM	69	TO	49	LENGTH	1907.933	BEARING	N	1	30	51	E

CHAIN POINTS

POINT	49	N	277993.334	E	277395.228	S **********	Z **********
POINT	50	N	277926.195	E	279292.998	S **********	Z **********
POINT	70	N	276018.724	E	279243.789	S **********	Z **********
POINT	69	N	276086.067	E	277344.809	S **********	Z **********
POINT	49	N	277993.334	E	277395.228	S **********	Z **********

TOTAL AREA OF LIST 3624250.933 SQUARE FEET 83.201 ACRES

DES CHA 'I4'

DESCRIPTION OF CHAIN I4

CHAIN ELEMENTS

COURSE	FROM	69	TO	70	LENGTH	1900.174	BEARING	S	87	58	8	E
COURSE	FROM	70	TO	90	LENGTH	1922.477	BEARING	S	1	28	40	W

counter 45371

COURSE FROM 90 TO 89 LENGTH 1901.387 BEARING N 88 0 27 W
COURSE FROM 89 TO 69 LENGTH 1923.743 BEARING N 1 30 51 E

CHAIN POINTS

POINT	69	N	276086.067	E	277344.809	S	**********	Z **********
POINT	70	N	276018.724	E	279243.789	S	**********	Z **********
POINT	90	N	274096.886	E	279194.209	S	**********	Z **********
POINT	89	N	274162.996	E	277293.972	S	**********	Z **********
POINT	69	N	276086.067	E	277344.809	S	**********	Z **********

TOTAL AREA OF LIST 3655260.935 SQUARE FEET 83.913 ACRES

DES CHA 'I5'

DESCRIPTION OF CHAIN I5

CHAIN ELEMENTS

COURSE FROM 89 TO 90 LENGTH 1901.387 BEARING S 88 0 27 E
COURSE FROM 90 TO 110 LENGTH 1908.649 BEARING S 1 28 40 W
COURSE FROM 110 TO 109 LENGTH 1902.603 BEARING N 88 0 15 W
COURSE FROM 109 TO 89 LENGTH 1908.531 BEARING N 1 30 51 E

CHAIN POINTS

POINT	89	N	274162.996	E	277293.972	S	**********	Z **********
POINT	90	N	274096.886	E	279194.209	S	**********	Z **********
POINT	110	N	272188.872	E	279144.986	S	**********	Z **********
POINT	109	N	272255.131	E	277243.537	S	**********	Z **********
POINT	89	N	274162.996	E	277293.972	S	**********	Z **********

TOTAL AREA OF LIST 3629991.974 SQUARE FEET 83.333 ACRES

DES CHA 'I6'

DESCRIPTION OF CHAIN I6

CHAIN ELEMENTS

COURSE FROM 109 TO 110 LENGTH 1902.603 BEARING S 88 0 15 E
COURSE FROM 110 TO 130 LENGTH 1901.943 BEARING S 1 28 40 W
COURSE FROM 130 TO 129 LENGTH 1903.821 BEARING N 87 58 51 W
COURSE FROM 129 TO 109 LENGTH 1901.153 BEARING N 1 30 51 E

CHAIN POINTS

POINT	109	N	272255.131	E	277243.537	S	**********	Z **********
POINT	110	N	272188.872	E	279144.986	S	**********	Z **********
POINT	130	N	270287.562	E	279095.936	S	**********	Z **********
POINT	129	N	270354.643	E	277193.297	S	**********	Z **********
POINT	109	N	272255.131	E	277243.537	S	**********	Z **********

TOTAL AREA OF LIST 3618903.985 SQUARE FEET 83.079 ACRES

DES CHA 'I7'

DESCRIPTION OF CHAIN I7

CHAIN ELEMENTS

COURSE FROM 129 TO 130 LENGTH 1903.821 BEARING S 87 58 51 E
COURSE FROM 130 TO 150 LENGTH 1901.944 BEARING S 1 28 40 W
COURSE FROM 150 TO 149 LENGTH 1905.039 BEARING N 87 57 26 W
COURSE FROM 149 TO 129 LENGTH 1901.153 BEARING N 1 30 51 E

CHAIN POINTS

POINT	129	N	270354.643	E	277193.297	S	**********	Z **********
POINT	130	N	270287.562	E	279095.936	S	**********	Z **********
POINT	150	N	268386.251	E	279046.886	S	**********	Z **********
POINT	149	N	268454.154	E	277143.057	S	**********	Z **********
POINT	129	N	270354.643	E	277193.297	S	**********	Z **********

TOTAL AREA OF LIST 3621208.172 SQUARE FEET 83.132 ACRES

DES CHA 'I8'

DESCRIPTION OF CHAIN I8

CHAIN ELEMENTS

COURSE FROM 149 TO 150 LENGTH 1905.039 BEARING S 87 57 26 E
COURSE FROM 150 TO 170 LENGTH 1905.323 BEARING S 1 28 40 W
COURSE FROM 170 TO 169 LENGTH 1906.257 BEARING N 87 56 39 W
COURSE FROM 169 TO 149 LENGTH 1904.871 BEARING N 1 30 51 E

CHAIN POINTS

counter 45372

	POINT	149	N	268454.154	E	277143.057	S	**********	Z	**********
	POINT	150	N	268386.251	E	279046.886	S	**********	Z	**********
	POINT	170	N	266481.562	E	278997.748	S	**********	Z	**********
	POINT	169	N	266549.948	E	277092.719	S	**********	Z	**********
	POINT	149	N	268454.154	E	277143.057	S	**********	Z	**********

TOTAL AREA OF LIST 3630274.43 SQUARE FEET 83.34 ACRES

DES CHA 'I9'

DESCRIPTION OF CHAIN I9

CHAIN ELEMENTS

COURSE	FROM 169	TO 170	LENGTH	1906.257	BEARING	S 87 56 39 E
COURSE	FROM 170	TO 183	LENGTH	2173.236	BEARING	S 1 28 40 W
COURSE	FROM 183	TO 182	LENGTH	1907.68	BEARING	N 87 49 54 W
COURSE	FROM 182	TO 169	LENGTH	2169.477	BEARING	N 1 30 51 E

CHAIN POINTS

	POINT	169	N	266549.948	E	277092.719	S	**********	Z	**********
	POINT	170	N	266481.562	E	278997.748	S	**********	Z	**********
	POINT	183	N	264309.049	E	278941.702	S	**********	Z	**********
	POINT	182	N	264381.228	E	277035.388	S	**********	Z	**********
	POINT	169	N	266549.948	E	277092.719	S	**********	Z	**********

TOTAL AREA OF LIST 4140467.325 SQUARE FEET 95.052 ACRES

DES CHA 'J1'

DESCRIPTION OF CHAIN J1

CHAIN ELEMENTS

COURSE	FROM 10	TO 11	LENGTH	1896.467	BEARING	S 88 23 41 E
COURSE	FROM 11	TO 31	LENGTH	1900.325	BEARING	S 1 27 10 W
COURSE	FROM 31	TO 30	LENGTH	1897.375	BEARING	N 87 58 30 W
COURSE	FROM 30	TO 10	LENGTH	1886.423	BEARING	N 1 28 40 E

CHAIN POINTS

	POINT	10	N	281720.733	E	279390.889	S	**********	Z	**********
	POINT	11	N	281667.603	E	281286.611	S	**********	Z	**********
	POINT	31	N	279767.889	E	281238.430	S	**********	Z	**********
	POINT	30	N	279834.937	E	279342.239	S	**********	Z	**********

	POINT	10	N	281720.733	E	279390.889	S	**********	Z	**********

TOTAL AREA OF LIST 3591489.297 SQUARE FEET 82.459 ACRES

DES CHA 'J2'

DESCRIPTION OF CHAIN J2

CHAIN ELEMENTS

COURSE	FROM 30	TO 31	LENGTH	1897.375	BEARING	S 87 58 30 E
COURSE	FROM 31	TO 51	LENGTH	1909.42	BEARING	S 1 27 10 W
COURSE	FROM 51	TO 50	LENGTH	1898.207	BEARING	N 87 58 26 W
COURSE	FROM 50	TO 30	LENGTH	1909.377	BEARING	N 1 28 40 E

CHAIN POINTS

	POINT	30	N	279834.937	E	279342.239	S	**********	Z	**********
	POINT	31	N	279767.889	E	281238.430	S	**********	Z	**********
	POINT	51	N	277859.083	E	281190.017	S	**********	Z	**********
	POINT	50	N	277926.195	E	279292.998	S	**********	Z	**********
	POINT	30	N	279834.937	E	279342.239	S	**********	Z	**********

TOTAL AREA OF LIST 3623465.696 SQUARE FEET 83.183 ACRES

DES CHA 'J3'

DESCRIPTION OF CHAIN J3

CHAIN ELEMENTS

COURSE	FROM 50	TO 51	LENGTH	1898.207	BEARING	S 87 58 26 E
COURSE	FROM 51	TO 71	LENGTH	1908.275	BEARING	S 1 27 10 W
COURSE	FROM 71	TO 70	LENGTH	1899.039	BEARING	N 87 58 8 W
COURSE	FROM 70	TO 50	LENGTH	1908.106	BEARING	N 1 28 40 E

CHAIN POINTS

	POINT	50	N	277926.195	E	279292.998	S	**********	Z	**********
	POINT	51	N	277859.083	E	281190.017	S	**********	Z	**********
	POINT	71	N	275951.421	E	281141.634	S	**********	Z	**********
	POINT	70	N	276018.724	E	279243.789	S	**********	Z	**********
	POINT	50	N	277926.195	E	279292.998	S	**********	Z	**********

TOTAL AREA OF LIST 3622758.539 SQUARE FEET 83.167 ACRES

counter 45373

DES CHA 'J4'

DESCRIPTION OF CHAIN J4

CHAIN ELEMENTS

COURSE	FROM	70	TO	71	LENGTH	1899.039	BEARING	S	87	58	8	E
COURSE	FROM	71	TO	91	LENGTH	1921.209	BEARING	S	1	27	10	W
COURSE	FROM	91	TO	90	LENGTH	1899.863	BEARING	N	88	0	27	W
COURSE	FROM	90	TO	70	LENGTH	1922.477	BEARING	N	1	28	40	E

CHAIN POINTS

POINT	70	N	276018.724	E	279243.789	S	**********	Z **********
POINT	71	N	275951.421	E	281141.634	S	**********	Z **********
POINT	91	N	274030.830	E	281092.923	S	**********	Z **********
POINT	90	N	274096.886	E	279194.209	S	**********	Z **********
POINT	70	N	276018.724	E	279243.789	S	**********	Z **********

TOTAL AREA OF LIST 3650279.555 SQUARE FEET 83.799 ACRES

DES CHA 'J5'

DESCRIPTION OF CHAIN J5

CHAIN ELEMENTS

COURSE	FROM	90	TO	91	LENGTH	1899.863	BEARING	S	88	0	27	E
COURSE	FROM	91	TO	111	LENGTH	1908.765	BEARING	S	1	27	10	W
COURSE	FROM	111	TO	110	LENGTH	1900.694	BEARING	N	88	0	15	W
COURSE	FROM	110	TO	90	LENGTH	1908.649	BEARING	N	1	28	40	E

CHAIN POINTS

POINT	90	N	274096.886	E	279194.209	S	**********	Z **********
POINT	91	N	274030.830	E	281092.923	S	**********	Z **********
POINT	111	N	272122.679	E	281044.527	S	**********	Z **********
POINT	110	N	272188.872	E	279144.986	S	**********	Z **********
POINT	90	N	274096.886	E	279194.209	S	**********	Z **********

TOTAL AREA OF LIST 3626920.076 SQUARE FEET 83.263 ACRES

DES CHA 'J6'

DESCRIPTION OF CHAIN J6

CHAIN ELEMENTS

COURSE	FROM	110	TO	111	LENGTH	1900.694	BEARING	S	88	0	15	E
COURSE	FROM	111	TO	131	LENGTH	1902.729	BEARING	S	1	27	10	W
COURSE	FROM	131	TO	130	LENGTH	1901.529	BEARING	N	87	58	51	W
COURSE	FROM	130	TO	110	LENGTH	1901.943	BEARING	N	1	28	40	E

CHAIN POINTS

POINT	110	N	272188.872	E	279144.986	S	**********	Z **********
POINT	111	N	272122.679	E	281044.527	S	**********	Z **********
POINT	131	N	270220.562	E	280996.284	S	**********	Z **********
POINT	130	N	270287.562	E	279095.936	S	**********	Z **********
POINT	110	N	272188.872	E	279144.986	S	**********	Z **********

TOTAL AREA OF LIST 3616390.584 SQUARE FEET 83.021 ACRES

DES CHA 'J7'

DESCRIPTION OF CHAIN J7

CHAIN ELEMENTS

COURSE	FROM	130	TO	131	LENGTH	1901.529	BEARING	S	87	58	51	E
COURSE	FROM	131	TO	151	LENGTH	1902.73	BEARING	S	1	27	10	W
COURSE	FROM	151	TO	150	LENGTH	1902.365	BEARING	N	87	57	26	W
COURSE	FROM	150	TO	130	LENGTH	1901.944	BEARING	N	1	28	40	E

CHAIN POINTS

POINT	130	N	270287.562	E	279095.936	S	**********	Z **********
POINT	131	N	270220.562	E	280996.284	S	**********	Z **********
POINT	151	N	268318.444	E	280948.042	S	**********	Z **********
POINT	150	N	268386.251	E	279046.886	S	**********	Z **********
POINT	130	N	270287.562	E	279095.936	S	**********	Z **********

TOTAL AREA OF LIST 3617967.220 SQUARE FEET 83.057 ACRES

DES CHA 'J8'

DESCRIPTION OF CHAIN J8

CHAIN ELEMENTS

counter AS374

COURSE	FROM	150 TO	151	LENGTH	1902.365	BEARING	S 87 57 26 E	
COURSE	FROM	151 TO	171	LENGTH	1905.771	BEARING	S 1 27 10 W	
COURSE	FROM	171 TO	170	LENGTH	1903.199	BEARING	N 87 56 39 W	
COURSE	FROM	170 TO	150	LENGTH	1905.323	BEARING	N 1 28 40 E	

CHAIN POINTS

POINT	150	N	268386.251	E	279046.886	S **********	Z **********
POINT	151	N	268318.444	E	280948.042	S **********	Z **********
POINT	171	N	266413.286	E	280899.722	S **********	Z **********
POINT	170	N	266481.562	E	278997.748	S **********	Z **********
POINT	150	N	268386.251	E	279046.886	S **********	Z **********

TOTAL AREA OF LIST 3625651.243 SQUARE FEET 83.233 ACRES

DES CHA 'J9'

DESCRIPTION OF CHAIN J9

CHAIN ELEMENTS

COURSE	FROM	170 TO	171	LENGTH	1903.199	BEARING	S 87 56 39 E
COURSE	FROM	171 TO	184	LENGTH	2182.859	BEARING	S 1 27 10 W
COURSE	FROM	184 TO	183	LENGTH	1904.27	BEARING	N 87 39 18 W
COURSE	FROM	183 TO	170	LENGTH	2173.236	BEARING	N 1 28 40 E

CHAIN POINTS

POINT	170	N	266481.562	E	278997.748	S **********	Z **********
POINT	171	N	266413.286	E	280899.722	S **********	Z **********
POINT	184	N	264231.129	E	280844.377	S **********	Z **********
POINT	183	N	264309.049	E	278941.702	S **********	Z **********
POINT	170	N	266481.562	E	278997.748	S **********	Z **********

TOTAL AREA OF LIST 4146068.989 SQUARE FEET 95.181 ACRES

DES CHA 'K1'

DESCRIPTION OF CHAIN K1

CHAIN ELEMENTS

COURSE	FROM	11 TO	12	LENGTH	1896.467	BEARING	S 88 23 41 E
COURSE	FROM	12 TO	32	LENGTH	1914.231	BEARING	S 1 25 2 W
COURSE	FROM	32 TO	31	LENGTH	1897.743	BEARING	N 87 58 30 W
COURSE	FROM	31 TO	11	LENGTH	1900.325	BEARING	N 1 27 10 E

CHAIN POINTS

POINT	11	N	281667.603	E	281286.611	S **********	Z **********
POINT	12	N	281614.473	E	283182.334	S **********	Z **********
POINT	32	N	279700.827	E	283134.988	S **********	Z **********
POINT	31	N	279767.889	E	281238.430	S **********	Z **********
POINT	11	N	281667.603	E	281286.611	S **********	Z **********

TOTAL AREA OF LIST 3618202.401 SQUARE FEET 83.062 ACRES

DES CHA 'K2'

DESCRIPTION OF CHAIN K2

CHAIN ELEMENTS

COURSE	FROM	31 TO	32	LENGTH	1897.743	BEARING	S 87 58 30 E
COURSE	FROM	32 TO	52	LENGTH	1909.466	BEARING	S 1 25 2 W
COURSE	FROM	52 TO	51	LENGTH	1898.929	BEARING	N 87 58 26 W
COURSE	FROM	51 TO	31	LENGTH	1909.42	BEARING	N 1 27 10 E

CHAIN POINTS

POINT	31	N	279767.889	E	281238.430	S **********	Z **********
POINT	32	N	279700.827	E	283134.988	S **********	Z **********
POINT	52	N	277791.945	E	283087.760	S **********	Z **********
POINT	51	N	277859.083	E	281190.017	S **********	Z **********
POINT	31	N	279767.889	E	281238.430	S **********	Z **********

TOTAL AREA OF LIST 3624571.97 SQUARE FEET 83.209 ACRES

DES CHA 'K3'

DESCRIPTION OF CHAIN K3

CHAIN ELEMENTS

COURSE	FROM	51 TO	52	LENGTH	1898.929	BEARING	S 87 58 26 E
COURSE	FROM	52 TO	72	LENGTH	1908.449	BEARING	S 1 25 2 W
COURSE	FROM	72 TO	71	LENGTH	1900.116	BEARING	N 87 58 8 W
COURSE	FROM	71 TO	51	LENGTH	1908.275	BEARING	N 1 27 10 E

counter 45375

CHAIN POINTS

POINT	51	N	277859.083	E	281190.017	S	**********	Z **********
POINT	52	N	277791.945	E	283087.760	S	**********	Z **********
POINT	72	N	275884.080	E	283040.557	S	**********	Z **********
POINT	71	N	275951.421	E	281141.634	S	**********	Z **********
POINT	51	N	277859.083	E	281190.017	S	**********	Z **********

TOTAL AREA OF LIST 3624782.90 SQUARE FEET 83.214 ACRES

DES CHA 'K4'

DESCRIPTION OF CHAIN K4

CHAIN ELEMENTS

COURSE	FROM	71 TO 72	LENGTH	1900.116	BEARING	S 87 58 8 E
COURSE	FROM	72 TO 92	LENGTH	1919.944	BEARING	S 1 25 2 W
COURSE	FROM	92 TO 91	LENGTH	1901.296	BEARING	N 88 0 27 W
COURSE	FROM	91 TO 71	LENGTH	1921.209	BEARING	N 1 27 10 E

CHAIN POINTS

POINT	71	N	275951.421	E	281141.634	S	**********	Z **********
POINT	72	N	275884.080	E	283040.557	S	**********	Z **********
POINT	92	N	273964.723	E	282993.069	S	**********	Z **********
POINT	91	N	274030.830	E	281092.923	S	**********	Z **********
POINT	71	N	275951.421	E	281141.634	S	**********	Z **********

TOTAL AREA OF LIST 3650266.46 SQUARE FEET 83.799 ACRES

DES CHA 'K5'

DESCRIPTION OF CHAIN K5

CHAIN ELEMENTS

COURSE	FROM	91 TO 92	LENGTH	1901.296	BEARING	S 88 0 27 E
COURSE	FROM	92 TO 112	LENGTH	1908.884	BEARING	S 1 25 2 W
COURSE	FROM	112 TO 111	LENGTH	1902.482	BEARING	N 88 0 15 W
COURSE	FROM	111 TO 91	LENGTH	1908.765	BEARING	N 1 27 10 E

CHAIN POINTS

POINT	91	N	274030.830	E	281092.923	S	**********	Z **********
POINT	92	N	273964.723	E	282993.069	S	**********	Z **********
POINT	112	N	272056.424	E	282945.856	S	**********	Z **********
POINT	111	N	272122.679	E	281044.527	S	**********	Z **********
POINT	91	N	274030.830	E	281092.923	S	**********	Z **********

TOTAL AREA OF LIST 3630198.988 SQUARE FEET 83.338 ACRES

DES CHA 'K6'

DESCRIPTION OF CHAIN K6

CHAIN ELEMENTS

COURSE	FROM	111 TO 112	LENGTH	1902.482	BEARING	S 88 0 15 E
COURSE	FROM	112 TO 132	LENGTH	1903.52	BEARING	S 1 25 2 W
COURSE	FROM	132 TO 131	LENGTH	1903.672	BEARING	N 87 58 51 W
COURSE	FROM	131 TO 111	LENGTH	1902.729	BEARING	N 1 27 10 E

CHAIN POINTS

POINT	111	N	272122.679	E	281044.527	S	**********	Z **********
POINT	112	N	272056.424	E	282945.856	S	**********	Z **********
POINT	132	N	270153.486	E	282898.775	S	**********	Z **********
POINT	131	N	270220.562	E	280996.284	S	**********	Z **********
POINT	111	N	272122.679	E	281044.527	S	**********	Z **********

TOTAL AREA OF LIST 3621611.33 SQUARE FEET 83.141 ACRES

DES CHA 'K7'

DESCRIPTION OF CHAIN K7

CHAIN ELEMENTS

COURSE	FROM	131 TO 132	LENGTH	1903.672	BEARING	S 87 58 51 E
COURSE	FROM	132 TO 152	LENGTH	1903.521	BEARING	S 1 25 2 W
COURSE	FROM	152 TO 151	LENGTH	1904.862	BEARING	N 87 57 26 W
COURSE	FROM	151 TO 131	LENGTH	1902.73	BEARING	N 1 27 10 E

CHAIN POINTS

POINT	131	N	270220.562	E	280996.284	S	**********	Z **********
POINT	132	N	270153.486	E	282898.775	S	**********	Z **********
POINT	152	N	268250.548	E	282851.693	S	**********	Z **********
POINT	151	N	268318.444	E	280948.042	S	**********	Z **********
POINT	131	N	270220.562	E	280996.284	S	**********	Z **********

counter #53174

TOTAL AREA OF LIST 3623862.698 SQUARE FEET 83.192 ACRES

DES CHA 'K8'

DESCRIPTION OF CHAIN K8

CHAIN ELEMENTS

COURSE	FROM	151	TO	152	LENGTH	1904.862	BEARING	S	87	57	26	E
COURSE	FROM	152	TO	172	LENGTH	1906.224	BEARING	S	1	25	2	W
COURSE	FROM	172	TO	171	LENGTH	1906.051	BEARING	N	87	56	39	W
COURSE	FROM	171	TO	151	LENGTH	1905.771	BEARING	N	1	27	10	E

CHAIN POINTS

POINT	151	N	268318.444	E	280948.042	S **********	Z **********
POINT	152	N	268250.548	E	282851.693	S **********	Z **********
POINT	172	N	266344.907	E	282804.546	S **********	Z **********
POINT	171	N	266413.286	E	280899.722	S **********	Z **********
POINT	151	N	268318.444	E	280948.042	S **********	Z **********

TOTAL AREA OF LIST 3631585.84 SQUARE FEET 83.37 ACRES

DES CHA 'K9'

DESCRIPTION OF CHAIN K9

CHAIN ELEMENTS

COURSE	FROM	171	TO	172	LENGTH	1906.051	BEARING	S	87	56	39	E
COURSE	FROM	172	TO	185	LENGTH	2182.306	BEARING	S	1	25	2	W
COURSE	FROM	185	TO	184	LENGTH	1907.40	BEARING	N	87	57	40	W
COURSE	FROM	184	TO	171	LENGTH	2182.859	BEARING	N	1	27	10	E

CHAIN POINTS

POINT	171	N	266413.286	E	280899.722	S **********	Z **********
POINT	172	N	266344.907	E	282804.546	S **********	Z **********
POINT	185	N	264163.269	E	282750.569	S **********	Z **********
POINT	184	N	264231.129	E	280844.377	S **********	Z **********
POINT	171	N	266413.286	E	280899.722	S **********	Z **********

TOTAL AREA OF LIST 4161347.184 SQUARE FEET 95.531 ACRES

DES CHA 'L1'

DESCRIPTION OF CHAIN L1

CHAIN ELEMENTS

COURSE	FROM	12	TO	13	LENGTH	[illegible]96.467	BEARING	S	88	23	41	E
COURSE	FROM	13	TO	33	LENGTH	1928.142	BEARING	S	1	22	23	W
COURSE	FROM	33	TO	32	LENGTH	1898.052	BEARING	N	87	58	30	W
COURSE	FROM	32	TO	12	LENGTH	1914.231	BEARING	N	1	25	2	E

CHAIN POINTS

POINT	12	N	281614.473	E	283182.334	S **********	Z **********
POINT	13	N	281561.343	E	285078.056	S **********	Z **********
POINT	33	N	279633.755	E	285031.854	S **********	Z **********
POINT	32	N	279700.827	E	283134.988	S **********	Z **********
POINT	12	N	281614.473	E	283182.334	S **********	Z **********

TOTAL AREA OF LIST 3644866.443 SQUARE FEET 83.675 ACRES

DES CHA 'L2'

DESCRIPTION OF CHAIN L2

CHAIN ELEMENTS

COURSE	FROM	32	TO	33	LENGTH	1898.052	BEARING	S	87	58	30	E
COURSE	FROM	33	TO	53	LENGTH	1909.517	BEARING	S	1	22	23	W
COURSE	FROM	53	TO	52	LENGTH	1899.527	BEARING	N	87	58	26	W
COURSE	FROM	52	TO	32	LENGTH	1909.466	BEARING	N	1	25	2	E

CHAIN POINTS

POINT	32	N	279700.827	E	283134.988	S **********	Z **********
POINT	33	N	279633.755	E	285031.854	S **********	Z **********
POINT	53	N	277724.787	E	284986.099	S **********	Z **********
POINT	52	N	277791.945	E	283087.760	S **********	Z **********
POINT	32	N	279700.827	E	283134.988	S **********	Z **********

TOTAL AREA OF LIST 3625502.996 SQUARE FEET 83.230 ACRES

DES CHA 'L3'

DESCRIPTION OF CHAIN L3

CHAIN ELEMENTS

COURSE	FROM	52	TO	53	LENGTH	1899.527	BEARING	S	87	58	26	E
COURSE	FROM	53	TO	73	LENGTH	1908.627	BEARING	S	1	22	23	W
COURSE	FROM	73	TO	72	LENGTH	1901.003	BEARING	N	87	58	8	W
COURSE	FROM	72	TO	52	LENGTH	1908.449	BEARING	N	1	25	2	E

counter 45377

CHAIN POINTS

POINT	52	N	277791.945	E	283087.760	S	**********	Z **********
POINT	53	N	277724.787	E	284986.099	S	**********	Z **********
POINT	73	N	275816.708	E	284940.366	S	**********	Z **********
POINT	72	N	275884.080	E	283040.557	S	**********	Z **********
POINT	52	N	277791.945	E	283087.760	S	**********	Z **********

TOTAL AREA OF LIST 3626506.752 SQUARE FEET 83.253 ACRES

DES CHA 'L4'

DESCRIPTION OF CHAIN L4

CHAIN ELEMENTS

COURSE	FROM	72 TO 73	LENGTH	1901.003	BEARING	S 87 58 8 E
COURSE	FROM	73 TO 93	LENGTH	1918.683	BEARING	S 1 22 23 W
COURSE	FROM	93 TO 92	LENGTH	1902.472	BEARING	N 88 0 27 W
COURSE	FROM	92 TO 72	LENGTH	1919.944	BEARING	N 1 25 2 E

CHAIN POINTS

POINT	72	N	275884.080	E	283040.557	S	**********	Z **********
POINT	73	N	275816.708	E	284940.366	S	**********	Z **********
POINT	93	N	273898.576	E	284894.391	S	**********	Z **********
POINT	92	N	273964.723	E	282993.069	S	**********	Z **********
POINT	92	N	275884.080	E	283040.557	S	**********	Z **********

TOTAL AREA OF LIST 3649818.615 SQUARE FEET 83.788 ACRES

DES CHA 'L5'

DESCRIPTION OF CHAIN L5

CHAIN ELEMENTS

COURSE	FROM	92 TO 93	LENGTH	1902.472	BEARING	S 88 0 27 E
COURSE	FROM	93 TO 113	LENGTH	1909.007	BEARING	S 1 22 23 W
COURSE	FROM	113 TO 112	LENGTH	1903.947	BEARING	N 88 0 15 W
COURSE	FROM	112 TO 92	LENGTH	1908.884	BEARING	N 1 25 2 E

CHAIN POINTS

POINT	92	N	273964.723	E	282993.069	S	**********	Z **********
POINT	93	N	273898.576	E	284894.391	S	**********	Z **********
POINT	113	N	271990.117	E	284848.648	S	**********	Z **********
POINT	112	N	272056.424	E	282945.856	S	**********	Z **********
POINT	92	N	273964.723	E	282993.069	S	**********	Z **********

TOTAL AREA OF LIST 3632923.845 SQUARE FEET 83.400 ACRES

DES CHA 'L6'

DESCRIPTION OF CHAIN L6

CHAIN ELEMENTS

COURSE	FROM	112 TO 113	LENGTH	1903.947	BEARING	S 88 0 15 E
COURSE	FROM	113 TO 133	LENGTH	1904.315	BEARING	S 1 22 23 W
COURSE	FROM	133 TO 132	LENGTH	1905.426	BEARING	N 87 58 51 W
COURSE	FROM	132 TO 112	LENGTH	1903.52	BEARING	N 1 25 2 E

CHAIN POINTS

POINT	112	N	272056.424	E	282945.856	S	**********	Z **********
POINT	113	N	271990.117	E	284848.648	S	**********	Z **********
POINT	133	N	270086.349	E	284803.017	S	**********	Z **********
POINT	132	N	270153.486	E	282898.775	S	**********	Z **********
POINT	112	N	272056.424	E	282945.856	S	**********	Z **********

TOTAL AREA OF LIST 3626158.535 SQUARE FEET 83.245 ACRES

DES CHA 'L7'

DESCRIPTION OF CHAIN L7

CHAIN ELEMENTS

COURSE	FROM	132 TO 133	LENGTH	1905.426	BEARING	S 87 58 51 E
COURSE	FROM	133 TO 153	LENGTH	1904.317	BEARING	S 1 22 23 W
COURSE	FROM	153 TO 152	LENGTH	1906.905	BEARING	N 87 57 26 W
COURSE	FROM	152 TO 132	LENGTH	1903.521	BEARING	N 1 25 2 E

CHAIN POINTS

POINT	132	N	270153.486	E	282898.775	S	**********	Z **********
POINT	133	N	270086.349	E	284803.017	S	**********	Z **********
POINT	153	N	268182.579	E	284757.387	S	**********	Z **********
POINT	152	N	268250.548	E	282851.693	S	**********	Z **********

counter 45378

POINT 132 N 270153.486 E 282898.775 S ********** Z **********

TOTAL AREA OF LIST 3628961.053 SQUARE FEET 83.319 ACRES

DES CHA 'L8'

DESCRIPTION OF CHAIN L8

CHAIN ELEMENTS

COURSE	FROM	152 TO	153	LENGTH	1906.905	BEARING	S 87 57 26 E
COURSE	FROM	153 TO	173	LENGTH	1906.681	BEARING	S 1 22 23 W
COURSE	FROM	173 TO	172	LENGTH	1908.383	BEARING	N 87 56 39 W
COURSE	FROM	172 TO	152	LENGTH	1906.224	BEARING	N 1 25 2 E

CHAIN POINTS

POINT	152	N	268250.548	E	282851.693	S **********	Z **********
POINT	153	N	268182.579	E	284757.387	S **********	Z **********
POINT	173	N	266276.445	E	284711.700	S **********	Z **********
POINT	172	N	266344.907	E	282804.546	S **********	Z **********
POINT	152	N	268250.548	E	282851.693	S **********	Z **********

TOTAL AREA OF LIST 3636595.608 SQUARE FEET 83.485 ACRES

DES CHA 'L9'

DESCRIPTION OF CHAIN L9

CHAIN ELEMENTS

COURSE	FROM	172 TO	173	LENGTH	1908.383	BEARING	S 87 56 39 E
COURSE	FROM	173 TO	186	LENGTH	2184.843	BEARING	S 1 22 23 W
COURSE	FROM	186 TO	185	LENGTH	1910.10	BEARING	N 87 52 7 W
COURSE	FROM	185 TO	172	LENGTH	2182.306	BEARING	N 1 25 2 E

CHAIN POINTS

POINT	172	N	266344.907	E	282804.546	S **********	Z **********
POINT	173	N	266276.445	E	284711.700	S **********	Z **********
POINT	186	N	264092.229	E	284659.347	S **********	Z **********
POINT	185	N	264163.269	E	282750.569	S **********	Z **********
POINT	172	N	266344.907	E	282804.546	S **********	Z **********

TOTAL AREA OF LIST 4168660.029 SQUARE FEET 95.709 ACRES

DES CHA 'M1'

DESCRIPTION OF CHAIN M1

CHAIN ELEMENTS

COURSE	FROM	13 TO	313	LENGTH	773.657	BEARING	S 88 23 41 E
COURSE	FROM	313 TO	14	LENGTH	1122.81	BEARING	S 87 51 5 E
COURSE	FROM	14 TO	34	LENGTH	1931.397	BEARING	S 1 21 31 W
COURSE	FROM	34 TO	33	LENGTH	1896.970	BEARING	N 87 58 30 W
COURSE	FROM	33 TO	13	LENGTH	1928.142	BEARING	N 1 22 23 E

CHAIN POINTS

POINT	13	N	281561.343	E	285078.056	S **********	Z **********
POINT	313	N	281539.669	E	285851.409	S **********	Z **********
POINT	14	N	281497.575	E	286973.429	S **********	Z **********
POINT	34	N	279566.721	E	286927.640	S **********	Z **********
POINT	33	N	279633.755	E	285031.854	S **********	Z **********
POINT	13	N	281561.343	E	285078.056	S **********	Z **********

TOTAL AREA OF LIST 3664117.663 SQUARE FEET 84.117 ACRES

DES CHA 'M2'

DESCRIPTION OF CHAIN M2

CHAIN ELEMENTS

COURSE	FROM	33 TO	34	LENGTH	1896.970	BEARING	S 87 58 30 E
COURSE	FROM	34 TO	54	LENGTH	1909.556	BEARING	S 1 21 31 W
COURSE	FROM	54 TO	53	LENGTH	1897.455	BEARING	N 87 58 26 W
COURSE	FROM	53 TO	33	LENGTH	1909.517	BEARING	N 1 22 23 E

CHAIN POINTS

POINT	33	N	279633.755	E	285031.854	S **********	Z **********
POINT	34	N	279566.721	E	286927.640	S **********	Z **********
POINT	54	N	277657.701	E	286882.368	S **********	Z **********
POINT	53	N	277724.787	E	284986.099	S **********	Z **********
POINT	33	N	279633.755	E	285031.854	S **********	Z **********

TOTAL AREA OF LIST 3622556.816 SQUARE FEET 83.162 ACRES

DES CHA 'M3'

counter 45379

DESCRIPTION OF CHAIN M3

CHAIN ELEMENTS

COURSE	FROM	53	TO	54	LENGTH	1897.455	BEARING	S	87	58	26	E
COURSE	FROM	54	TO	74	LENGTH	1908.794	BEARING	S	1	21	31	W
COURSE	FROM	74	TO	73	LENGTH	1897.942	BEARING	N	87	58	8	W
COURSE	FROM	73	TO	53	LENGTH	1908.627	BEARING	N	1	22	23	E

CHAIN POINTS

POINT	53	N	277724.787	E	284986.099	S	**********	Z **********
POINT	54	N	277657.701	E	286882.368	S	**********	Z **********
POINT	74	N	275749.444	E	286837.115	S	**********	Z **********
POINT	73	N	275816.708	E	284940.366	S	**********	Z **********
POINT	53	N	277724.787	E	284986.099	S	**********	Z **********

TOTAL AREA OF LIST 3621914.547 SQUARE FEET 83.148 ACRES

DES CHA 'M4'

DESCRIPTION OF CHAIN M4

CHAIN ELEMENTS

COURSE	FROM	73	TO	74	LENGTH	1897.942	BEARING	S	87	58	8	E
COURSE	FROM	74	TO	94	LENGTH	1917.413	BEARING	S	1	21	31	W
COURSE	FROM	94	TO	93	LENGTH	1898.414	BEARING	N	88	0	27	W
COURSE	FROM	93	TO	73	LENGTH	1918.683	BEARING	N	1	22	23	E

CHAIN POINTS

POINT	73	N	275816.708	E	284940.366	S	**********	Z **********
POINT	74	N	275749.444	E	286837.115	S	**********	Z **********
POINT	94	N	273832.570	E	286791.657	S	**********	Z **********
POINT	93	N	273898.576	E	284894.391	S	**********	Z **********
POINT	73	N	275816.708	E	284940.366	S	**********	Z **********

TOTAL AREA OF LIST 3640564.536 SQUARE FEET 83.576 ACRES

DES CHA 'M5'

DESCRIPTION OF CHAIN M5

CHAIN ELEMENTS

COURSE	FROM	93	TO	94	LENGTH	1898.414	BEARING	S	88	0	27	E
COURSE	FROM	94	TO	114	LENGTH	1909.119	BEARING	S	1	21	31	W
COURSE	FROM	114	TO	113	LENGTH	1898.90	BEARING	N	88	0	15	W
COURSE	FROM	113	TO	93	LENGTH	1909.007	BEARING	N	1	22	23	E

CHAIN POINTS

POINT	93	N	273898.576	E	284894.391	S	**********	Z **********
POINT	94	N	273832.570	E	286791.657	S	**********	Z **********
POINT	114	N	271923.987	E	286746.396	S	**********	Z **********
POINT	113	N	271990.117	E	284848.648	S	**********	Z **********
POINT	93	N	273898.576	E	284894.391	S	**********	Z **********

TOTAL AREA OF LIST 3624437.962 SQUARE FEET 83.206 ACRES

DES CHA 'M6'

DESCRIPTION OF CHAIN M6

CHAIN ELEMENTS

COURSE	FROM	113	TO	114	LENGTH	1898.90	BEARING	S	88	0	15	E
COURSE	FROM	114	TO	134	LENGTH	1905.098	BEARING	S	1	21	31	W
COURSE	FROM	134	TO	133	LENGTH	1899.392	BEARING	N	87	58	51	W
COURSE	FROM	133	TO	113	LENGTH	1904.315	BEARING	N	1	22	23	E

CHAIN POINTS

POINT	113	N	271990.117	E	284848.648	S	**********	Z **********
POINT	114	N	271923.987	E	286746.396	S	**********	Z **********
POINT	134	N	270019.424	E	286701.230	S	**********	Z **********
POINT	133	N	270086.349	E	284803.017	S	**********	Z **********
POINT	113	N	271990.117	E	284848.648	S	**********	Z **********

TOTAL AREA OF LIST 3617088.892 SQUARE FEET 83.037 ACRES

DES CHA 'M7'

DESCRIPTION OF CHAIN M7

CHAIN ELEMENTS

COURSE	FROM	133	TO	134	LENGTH	1899.392	BEARING	S	87	58	51	E

Counter A5380

COURSE	FROM	134	TO	154	LENGTH	1905.10	BEARING	S	1	21	31 W
COURSE	FROM	154	TO	153	LENGTH	1899.885	BEARING	N	87	57	26 W
COURSE	FROM	153	TO	133	LENGTH	1904.317	BEARING	N	1	22	23 E

CHAIN POINTS

POINT	133	N	270086.349	E	284803.017	S **********	Z **********	
POINT	134	N	270019.424	E	286701.230	S **********	Z **********	
POINT	154	N	268114.860	E	286656.064	S **********	Z **********	
POINT	153	N	268182.579	E	284757.387	S **********	Z **********	
POINT	133	N	270086.349	E	284803.017	S **********	Z **********	

TOTAL AREA OF LIST 3618013.021 SQUARE FEET 83.058 ACRES

DES CHA 'M8'

DESCRIPTION OF CHAIN M8

CHAIN ELEMENTS

COURSE	FROM	153	TO	154	LENGTH	1899.885	BEARING	S	87	57	26 E
COURSE	FROM	154	TO	174	LENGTH	1907.126	BEARING	S	1	21	31 W
COURSE	FROM	174	TO	173	LENGTH	1900.374	BEARING	N	87	56	39 W
COURSE	FROM	173	TO	153	LENGTH	1906.681	BEARING	N	1	22	23 E

CHAIN POINTS

POINT	153	N	268182.579	E	284757.387	S **********	Z **********	
POINT	154	N	268114.860	E	286656.064	S **********	Z **********	
POINT	174	N	266208.270	E	286610.850	S **********	Z **********	
POINT	173	N	266276.445	E	284711.700	S **********	Z **********	
POINT	153	N	268182.579	E	284757.387	S **********	Z **********	

TOTAL AREA OF LIST 3623106.144 SQUARE FEET 83.175 ACRES

DES CHA 'M9'

DESCRIPTION OF CHAIN M9

CHAIN ELEMENTS

COURSE	FROM	173	TO	174	LENGTH	1900.374	BEARING	S	87	56	39 E
COURSE	FROM	174	TO	187	LENGTH	2183.264	BEARING	S	1	21	31 W
COURSE	FROM	187	TO	186	LENGTH	1900.91	BEARING	N	87	59	31 W
COURSE	FROM	186	TO	173	LENGTH	2184.843	BEARING	N	1	22	23 E

CHAIN POINTS

POINT	173	N	266276.445	E	284711.700	S **********	Z **********	
POINT	174	N	266208.270	E	286610.850	S **********	Z **********	
POINT	187	N	264025.619	E	286559.090	S **********	Z **********	
POINT	186	N	264092.229	E	284659.347	S **********	Z **********	
POINT	173	N	266276.445	E	284711.700	S **********	Z **********	

TOTAL AREA OF LIST 4150823.349 SQUARE FEET 95.29 ACRES

DES CHA 'N1'

DESCRIPTION OF CHAIN N1

CHAIN ELEMENTS

COURSE	FROM	14	TO	15	LENGTH	1896.467	BEARING	S	87	51	5 E
COURSE	FROM	15	TO	35	LENGTH	1927.319	BEARING	S	1	20	39 W
COURSE	FROM	35	TO	34	LENGTH	1896.901	BEARING	N	87	58	30 W
COURSE	FROM	34	TO	14	LENGTH	1931.397	BEARING	N	1	21	31 E

CHAIN POINTS

POINT	14	N	281497.575	E	286973.429	S **********	Z **********	
POINT	15	N	281426.478	E	288868.563	S **********	Z **********	
POINT	35	N	279499.689	E	288823.356	S **********	Z **********	
POINT	34	N	279566.721	E	286927.640	S **********	Z **********	
POINT	14	N	281497.575	E	286973.429	S **********	Z **********	

TOTAL AREA OF LIST 3659078.037 SQUARE FEET 84.001 ACRES

DES CHA 'N2'

DESCRIPTION OF CHAIN N2

CHAIN ELEMENTS

COURSE	FROM	34	TO	35	LENGTH	1896.901	BEARING	S	87	58	30 E
COURSE	FROM	35	TO	55	LENGTH	1909.596	BEARING	S	1	20	39 W
COURSE	FROM	55	TO	54	LENGTH	1897.382	BEARING	N	87	58	26 W
COURSE	FROM	54	TO	34	LENGTH	1909.556	BEARING	N	1	21	31 E

CHAIN POINTS

County 45381

	POINT	34	N	279566.721	E	286927.640	S	**********	Z	**********
	POINT	35	N	279499.689	E	288823.356	S	**********	Z	**********
	POINT	55	N	277590.618	E	288778.564	S	**********	Z	**********
	POINT	54	N	277657.701	E	286882.368	S	**********	Z	**********
	POINT	34	N	279566.721	E	286927.640	S	**********	Z	**********

TOTAL AREA OF LIST 3622485.614 SQUARE FEET 83.161 ACRES

DES CHA 'N3'

DESCRIPTION OF CHAIN N3

CHAIN ELEMENTS

COURSE	FROM	54 TO	55	LENGTH	1897.382	BEARING	S 87 58 26 E
COURSE	FROM	55 TO	75	LENGTH	1908.961	BEARING	S 1 20 39 W
COURSE	FROM	75 TO	74	LENGTH	1897.865	BEARING	N 87 58 8 W
COURSE	FROM	74 TO	54	LENGTH	1908.794	BEARING	N 1 21 31 E

CHAIN POINTS

	POINT	54	N	277657.701	E	286882.368	S	**********	Z	**********
	POINT	55	N	277590.618	E	288778.564	S	**********	Z	**********
	POINT	75	N	275682.182	E	288733.788	S	**********	Z	**********
	POINT	74	N	275749.444	E	286837.115	S	**********	Z	**********
	POINT	54	N	277657.701	E	286882.368	S	**********	Z	**********

TOTAL AREA OF LIST 3622078.307 SQUARE FEET 83.151 ACRES

DES CHA 'N4'

DESCRIPTION OF CHAIN N4

CHAIN ELEMENTS

COURSE	FROM	74 TO	75	LENGTH	1897.865	BEARING	S 87 58 8 E
COURSE	FROM	75 TO	95	LENGTH	1916.144	BEARING	S 1 20 39 W
COURSE	FROM	95 TO	94	LENGTH	1898.334	BEARING	N 88 0 27 W
COURSE	FROM	94 TO	74	LENGTH	1917.413	BEARING	N 1 21 31 E

CHAIN POINTS

	POINT	74	N	275749.444	E	286837.115	S	**********	Z	**********
	POINT	75	N	275682.182	E	288733.788	S	**********	Z	**********
	POINT	95	N	273766.566	E	288688.843	S	**********	Z	**********
	POINT	94	N	273832.570	E	286791.657	S	**********	Z	**********
	POINT	74	N	275749.444	E	286837.115	S	**********	Z	**********

TOTAL AREA OF LIST 3637994.492 SQUARE FEET 83.517 ACRES

DES CHA 'N5'

DESCRIPTION OF CHAIN N5

CHAIN ELEMENTS

COURSE	FROM	94 TO	95	LENGTH	1898.334	BEARING	S 88 0 27 E
COURSE	FROM	95 TO	115	LENGTH	1909.232	BEARING	S 1 20 39 W
COURSE	FROM	115 TO	114	LENGTH	1898.817	BEARING	N 88 0 15 W
COURSE	FROM	114 TO	94	LENGTH	1909.119	BEARING	N 1 21 31 E

CHAIN POINTS

	POINT	94	N	273832.570	E	286791.657	S	**********	Z	**********
	POINT	95	N	273766.566	E	288688.843	S	**********	Z	**********
	POINT	115	N	271857.859	E	288644.061	S	**********	Z	**********
	POINT	114	N	271923.987	E	286746.396	S	**********	Z	**********
	POINT	94	N	273832.570	E	286791.657	S	**********	Z	**********

TOTAL AREA OF LIST 3624485.651 SQUARE FEET 83.207 ACRES

DES CHA 'N6'

DESCRIPTION OF CHAIN N6

CHAIN ELEMENTS

COURSE	FROM	114 TO	115	LENGTH	1898.817	BEARING	S 88 0 15 E
COURSE	FROM	115 TO	135	LENGTH	1905.881	BEARING	S 1 20 39 W
COURSE	FROM	135 TO	134	LENGTH	1899.306	BEARING	N 87 58 51 W
COURSE	FROM	134 TO	114	LENGTH	1905.098	BEARING	N 1 21 31 E

CHAIN POINTS

	POINT	114	N	271923.987	E	286746.396	S	**********	Z	**********
	POINT	115	N	271857.859	E	288644.061	S	**********	Z	**********
	POINT	135	N	269952.502	E	288599.357	S	**********	Z	**********
	POINT	134	N	270019.424	E	286701.230	S	**********	Z	**********
	POINT	114	N	271923.987	E	286746.396	S	**********	Z	**********

TOTAL AREA OF LIST 3618403.647 SQUARE FEET 83.067 ACRES

counter 45382

DES CHA 'N7'

DESCRIPTION OF CHAIN N7

CHAIN ELEMENTS

COURSE	FROM	134	TO	135	LENGTH	1899.306	BEARING	S	87	58	51	E
COURSE	FROM	135	TO	155	LENGTH	1905.882	BEARING	S	1	20	39	W
COURSE	FROM	155	TO	154	LENGTH	1899.795	BEARING	N	87	57	26	W
COURSE	FROM	154	TO	134	LENGTH	1905.10	BEARING	N	1	21	31	E

CHAIN POINTS

POINT	134	N	270019.424	E	286701.230	S **********	Z **********
POINT	135	N	269952.502	E	288599.357	S **********	Z **********
POINT	155	N	268047.145	E	288554.653	S **********	Z **********
POINT	154	N	268114.860	E	286656.064	S **********	Z **********
POINT	134	N	270019.424	E	286701.230	S **********	Z **********

TOTAL AREA OF LIST 3619321.724 SQUARE FEET 83.088 ACRES

DES CHA 'N8'

DESCRIPTION OF CHAIN N8

CHAIN ELEMENTS

COURSE	FROM	154	TO	155	LENGTH	1899.795	BEARING	S	87	57	26	E
COURSE	FROM	155	TO	175	LENGTH	1907.571	BEARING	S	1	20	39	W
COURSE	FROM	175	TO	174	LENGTH	1900.282	BEARING	N	87	56	39	W
COURSE	FROM	174	TO	154	LENGTH	1907.126	BEARING	N	1	21	31	E

CHAIN POINTS

POINT	154	N	268114.860	E	286656.064	S **********	Z **********
POINT	155	N	268047.145	E	288554.653	S **********	Z **********
POINT	175	N	266140.098	E	288509.909	S **********	Z **********
POINT	174	N	266208.270	E	286610.850	S **********	Z **********
POINT	154	N	268114.860	E	286656.064	S **********	Z **********

TOTAL AREA OF LIST 3623767.228 SQUARE FEET 83.190 ACRES

DES CHA 'N9'

DESCRIPTION OF CHAIN N9

CHAIN ELEMENTS

COURSE	FROM	174	TO	175	LENGTH	1900.282	BEARING	S	87	56	39	E
COURSE	FROM	175	TO	188	LENGTH	2180.339	BEARING	S	1	20	39	W
COURSE	FROM	188	TO	187	LENGTH	1900.798	BEARING	N	88	1	57	W
COURSE	FROM	187	TO	174	LENGTH	2183.264	BEARING	N	1	21	31	E

CHAIN POINTS

POINT	174	N	266208.270	E	286610.850	S **********	Z **********
POINT	175	N	266140.098	E	288509.909	S **********	Z **********
POINT	188	N	263960.359	E	288458.767	S **********	Z **********
POINT	187	N	264025.619	E	286559.090	S **********	Z **********
POINT	174	N	266208.270	E	286610.850	S **********	Z **********

TOTAL AREA OF LIST 4146324.244 SQUARE FEET 95.187 ACRES

DES CHA '01'

DESCRIPTION OF CHAIN 01

CHAIN ELEMENTS

COURSE	FROM	15	TO	16	LENGTH	1896.467	BEARING	S	87	51	5	E
COURSE	FROM	16	TO	36	LENGTH	1923.240	BEARING	S	1	19	47	W
COURSE	FROM	36	TO	35	LENGTH	1896.899	BEARING	N	87	58	30	W
COURSE	FROM	35	TO	15	LENGTH	1927.319	BEARING	N	1	20	39	E

CHAIN POINTS

POINT	15	N	281426.478	E	288868.563	S **********	Z **********
POINT	16	N	281355.380	E	290763.696	S **********	Z **********
POINT	36	N	279432.657	E	290719.070	S **********	Z **********
POINT	35	N	279499.689	E	288823.356	S **********	Z **********
POINT	15	N	281426.478	E	288868.563	S **********	Z **********

TOTAL AREA OF LIST 3651329.398 SQUARE FEET 83.823 ACRES

DES CHA '02'

DESCRIPTION OF CHAIN 02

counter 45383

CHAIN ELEMENTS

COURSE	FROM	35 TO	36	LENGTH	1896.899	BEARING	S 87 58 30 E
COURSE	FROM	36 TO	56	LENGTH	1909.636	BEARING	S 1 19 47 W
COURSE	FROM	56 TO	55	LENGTH	1897.381	BEARING	N 87 58 26 W
COURSE	FROM	55 TO	35	LENGTH	1909.596	BEARING	N 1 20 39 E

CHAIN POINTS

POINT	35	N	279499.689	E	288823.356	S **********	Z **********
POINT	36	N	279432.657	E	290719.070	S **********	Z **********
POINT	56	N	277523.535	E	290674.760	S **********	Z **********
POINT	55	N	277590.618	E	288778.564	S **********	Z **********
POINT	35	N	279499.689	E	288823.356	S **********	Z **********

TOTAL AREA OF LIST 3622548.246 SQUARE FEET 83.162 ACRES

DES CHA '03'

DESCRIPTION OF CHAIN 03

CHAIN ELEMENTS

COURSE	FROM	55 TO	56	LENGTH	1897.381	BEARING	S 87 58 26 E
COURSE	FROM	56 TO	76	LENGTH	1909.128	BEARING	S 1 19 47 W
COURSE	FROM	76 TO	75	LENGTH	1897.865	BEARING	N 87 58 8 W
COURSE	FROM	75 TO	55	LENGTH	1908.961	BEARING	N 1 20 39 E

CHAIN POINTS

POINT	55	N	277590.618	E	288778.564	S **********	Z **********
POINT	56	N	277523.535	E	290674.760	S **********	Z **********
POINT	76	N	275614.921	E	290630.461	S **********	Z **********
POINT	75	N	275682.182	E	288733.788	S **********	Z **********
POINT	55	N	277590.618	E	288778.564	S **********	Z **********

TOTAL AREA OF LIST 3622383.200 SQUARE FEET 83.158 ACRES

DES CHA '04'

DESCRIPTION OF CHAIN 04

CHAIN ELEMENTS

COURSE	FROM	75 TO	76	LENGTH	1897.865	BEARING	S 87 58 8 E
COURSE	FROM	76 TO	96	LENGTH	1914.874	BEARING	S 1 19 47 W
COURSE	FROM	96 TO	95	LENGTH	1898.334	BEARING	N 88 0 27 W
COURSE	FROM	95 TO	75	LENGTH	1916.144	BEARING	N 1 20 39 E

CHAIN POINTS

POINT	75	N	275682.182	E	288733.788	S **********	Z **********
POINT	76	N	275614.921	E	290630.461	S **********	Z **********
POINT	96	N	273700.562	E	290586.029	S **********	Z **********
POINT	95	N	273766.566	E	288688.843	S **********	Z **********
POINT	75	N	275682.182	E	288733.788	S **********	Z **********

TOTAL AREA OF LIST 3635573.749 SQUARE FEET 83.461 ACRES

DES CHA '05'

DESCRIPTION OF CHAIN 05

CHAIN ELEMENTS

COURSE	FROM	95 TO	96	LENGTH	1898.334	BEARING	S 88 0 27 E
COURSE	FROM	96 TO	116	LENGTH	1909.345	BEARING	S 1 19 47 W
COURSE	FROM	116 TO	115	LENGTH	1898.817	BEARING	N 88 0 15 W
COURSE	FROM	115 TO	95	LENGTH	1909.232	BEARING	N 1 20 39 E

CHAIN POINTS

POINT	95	N	273766.566	E	288688.843	S **********	Z **********
POINT	96	N	273700.562	E	290586.029	S **********	Z **********
POINT	116	N	271791.731	E	290541.726	S **********	Z **********
POINT	115	N	271857.859	E	288644.061	S **********	Z **********
POINT	95	N	273766.566	E	288688.843	S **********	Z **********

TOTAL AREA OF LIST 3624689.257 SQUARE FEET 83.211 ACRES

DES CHA '06'

DESCRIPTION OF CHAIN 06

CHAIN ELEMENTS

COURSE	FROM	115 TO	116	LENGTH	1898.817	BEARING	S 88 0 15 E
COURSE	FROM	116 TO	136	LENGTH	1906.664	BEARING	S 1 19 47 W
COURSE	FROM	136 TO	135	LENGTH	1899.307	BEARING	N 87 58 51 W
COURSE	FROM	135 TO	115	LENGTH	1905.881	BEARING	N 1 20 39 E

counter 45384

CHAIN POINTS

POINT	115	N	271857.859	E	288644.061	S	**********	Z **********
POINT	116	N	271791.731	E	290541.726	S	**********	Z **********
POINT	136	N	269885.581	E	290497.484	S	**********	Z **********
POINT	135	N	269952.502	E	288599.357	S	**********	Z **********
POINT	115	N	271857.859	E	288644.061	S	**********	Z **********

TOTAL AREA OF LIST 3619881.272 SQUARE FEET 83.101 ACRES

DES CHA '07'

DESCRIPTION OF CHAIN 07

CHAIN ELEMENTS

COURSE	FROM	135 TO	136	LENGTH	1899.307	BEARING	S 87 58 51 E
COURSE	FROM	136 TO	156	LENGTH	1906.665	BEARING	S 1 19 47 W
COURSE	FROM	156 TO	155	LENGTH	1899.797	BEARING	N 87 57 26 W
COURSE	FROM	155 TO	135	LENGTH	1905.882	BEARING	N 1 20 39 E

CHAIN POINTS

POINT	135	N	269952.502	E	288599.357	S	**********	Z **********
POINT	136	N	269885.581	E	290497.484	S	**********	Z **********
POINT	156	N	267979.429	E	290453.243	S	**********	Z **********
POINT	155	N	268047.145	E	288554.653	S	**********	Z **********
POINT	135	N	269952.502	E	288599.357	S	**********	Z **********

TOTAL AREA OF LIST 3620800.624 SQUARE FEET 83.122 ACRES

DES CHA '08'

DESCRIPTION OF CHAIN 08

CHAIN ELEMENTS

COURSE	FROM	155 TO	156	LENGTH	1899.797	BEARING	S 87 57 26 E
COURSE	FROM	156 TO	176	LENGTH	1908.016	BEARING	S 1 19 47 W
COURSE	FROM	176 TO	175	LENGTH	1900.284	BEARING	N 87 56 39 W
COURSE	FROM	175 TO	155	LENGTH	1907.571	BEARING	N 1 20 39 E

CHAIN POINTS

POINT	155	N	268047.145	E	288554.653	S	**********	Z **********
POINT	156	N	267979.429	E	290453.243	S	**********	Z **********
POINT	176	N	266071.926	E	290408.970	S	**********	Z **********
POINT	175	N	266140.098	E	288509.909	S	**********	Z **********
POINT	155	N	268047.145	E	288554.653	S	**********	Z **********

TOTAL AREA OF LIST 3624606.059 SQUARE FEET 83.21 ACRES

DES CHA '09'

DESCRIPTION OF CHAIN 09

CHAIN ELEMENTS

COURSE	FROM	175 TO	176	LENGTH	1900.284	BEARING	S 87 56 39 E
COURSE	FROM	176 TO	189	LENGTH	2177.414	BEARING	S 1 19 47 W
COURSE	FROM	189 TO	188	LENGTH	1900.80	BEARING	N 88 1 57 W
COURSE	FROM	188 TO	175	LENGTH	2180.339	BEARING	N 1 20 39 E

CHAIN POINTS

POINT	175	N	266140.098	E	288509.909	S	**********	Z **********
POINT	176	N	266071.926	E	290408.970	S	**********	Z **********
POINT	189	N	263895.098	E	290358.446	S	**********	Z **********
POINT	188	N	263960.359	E	288458.767	S	**********	Z **********
POINT	175	N	266140.098	E	288509.909	S	**********	Z **********

TOTAL AREA OF LIST 4140758.242 SQUARE FEET 95.059 ACRES

DES CHA 'P1'

DESCRIPTION OF CHAIN P1

CHAIN ELEMENTS

COURSE	FROM	16 TO	17	LENGTH	1896.467	BEARING	S 87 51 5 E
COURSE	FROM	17 TO	37	LENGTH	1919.162	BEARING	S 1 18 54 W
COURSE	FROM	37 TO	36	LENGTH	1896.897	BEARING	N 87 58 30 W
COURSE	FROM	36 TO	16	LENGTH	1923.240	BEARING	N 1 19 47 E

CHAIN POINTS

POINT	16	N	281355.380	E	290763.696	S	**********	Z **********
POINT	17	N	281284.282	E	292658.829	S	**********	Z **********
POINT	37	N	279365.626	E	292614.782	S	**********	Z **********
POINT	36	N	279432.657	E	290719.070	S	**********	Z **********

counter 45385

POINT 16 N 281355.380 E 290763.696 S ********** Z **********

TOTAL AREA OF LIST 3643580.569 SQUARE FEET 83.645 ACRES

DES CHA 'P2'

DESCRIPTION OF CHAIN P2

CHAIN ELEMENTS

COURSE	FROM	36 TO	37	LENGTH	1896.897	BEARING	S 87 58 30 E
COURSE	FROM	37 TO	57	LENGTH	1909.677	BEARING	S 1 18 54 W
COURSE	FROM	57 TO	56	LENGTH	1897.380	BEARING	N 87 58 26 W
COURSE	FROM	56 TO	36	LENGTH	1909.636	BEARING	N 1 19 47 E

CHAIN POINTS

POINT	36	N	279432.657	E	290719.070	S **********	Z **********
POINT	37	N	279365.626	E	292614.782	S **********	Z **********
POINT	57	N	277456.452	E	292570.953	S **********	Z **********
POINT	56	N	277523.535	E	290674.760	S **********	Z **********
POINT	36	N	279432.657	E	290719.070	S **********	Z **********

TOTAL AREA OF LIST 3622610.260 SQUARE FEET 83.164 ACRES

DES CHA 'P3'

DESCRIPTION OF CHAIN P3

CHAIN ELEMENTS

COURSE	FROM	56 TO	57	LENGTH	1897.380	BEARING	S 87 58 26 E
COURSE	FROM	57 TO	77	LENGTH	1909.295	BEARING	S 1 18 54 W
COURSE	FROM	77 TO	76	LENGTH	1897.864	BEARING	N 87 58 8 W
COURSE	FROM	76 TO	56	LENGTH	1909.128	BEARING	N 1 19 47 E

CHAIN POINTS

POINT	56	N	277523.535	E	290674.760	S **********	Z **********
POINT	57	N	277456.452	E	292570.953	S **********	Z **********
POINT	77	N	275547.660	E	292527.133	S **********	Z **********
POINT	76	N	275614.921	E	290630.461	S **********	Z **********
POINT	56	N	277523.535	E	290674.760	S **********	Z **********

TOTAL AREA OF LIST 3622687.067 SQUARE FEET 83.165 ACRES

DES CHA 'P4'

DESCRIPTION OF CHAIN P4

CHAIN ELEMENTS

COURSE	FROM	76 TO	77	LENGTH	1897.864	BEARING	S 87 58 8 E
COURSE	FROM	77 TO	97	LENGTH	1913.605	BEARING	S 1 18 54 W
COURSE	FROM	97 TO	96	LENGTH	1898.332	BEARING	N 88 0 27 W
COURSE	FROM	96 TO	76	LENGTH	1914.874	BEARING	N 1 19 47 E

CHAIN POINTS

POINT	76	N	275614.921	E	290630.461	S **********	Z **********
POINT	77	N	275547.660	E	292527.133	S **********	Z **********
POINT	97	N	273634.559	E	292483.214	S **********	Z **********
POINT	96	N	273700.562	E	290586.029	S **********	Z **********
POINT	76	N	275614.921	E	290630.461	S **********	Z **********

TOTAL AREA OF LIST 3633151.552 SQUARE FEET 83.406 ACRES

DES CHA 'P5'

DESCRIPTION OF CHAIN P5

CHAIN ELEMENTS

COURSE	FROM	96 TO	97	LENGTH	1898.332	BEARING	S 88 0 27 E
COURSE	FROM	97 TO	117	LENGTH	1909.458	BEARING	S 1 18 54 W
COURSE	FROM	117 TO	116	LENGTH	1898.816	BEARING	N 88 0 15 W
COURSE	FROM	116 TO	96	LENGTH	1909.345	BEARING	N 1 19 47 E

CHAIN POINTS

POINT	96	N	273700.562	E	290586.029	S **********	Z **********
POINT	97	N	273634.559	E	292483.214	S **********	Z **********
POINT	117	N	271725.604	E	292439.390	S **********	Z **********
POINT	116	N	271791.731	E	290541.726	S **********	Z **********
POINT	96	N	273700.562	E	290586.029	S **********	Z **********

TOTAL AREA OF LIST 3624891.021 SQUARE FEET 83.216 ACRES

DES CHA 'P6'

counter 45386

DESCRIPTION OF CHAIN P6

CHAIN ELEMENTS

COURSE	FROM	116	TO	117	LENGTH	1898.816	BEARING	S 88 0 15 E
COURSE	FROM	117	TO	137	LENGTH	1907.447	BEARING	S 1 18 54 W
COURSE	FROM	137	TO	136	LENGTH	1899.307	BEARING	N 87 58 51 W
COURSE	FROM	136	TO	116	LENGTH	1906.664	BEARING	N 1 19 47 E

CHAIN POINTS

POINT	116	N	271791.731	E	290541.726	S	**********	Z **********
POINT	117	N	271725.604	E	292439.390	S	**********	Z **********
POINT	137	N	269818.659	E	292395.612	S	**********	Z **********
POINT	136	N	269885.581	E	290497.484	S	**********	Z **********
POINT	116	N	271791.731	E	290541.726	S	**********	Z **********

TOTAL AREA OF LIST 3621356.652 SQUARE FEET 83.135 ACRES

DES CHA 'P7'

DESCRIPTION OF CHAIN P7

CHAIN ELEMENTS

COURSE	FROM	136	TO	137	LENGTH	1899.307	BEARING	S 87 58 51 E
COURSE	FROM	137	TO	157	LENGTH	1907.448	BEARING	S 1 18 54 W
COURSE	FROM	157	TO	156	LENGTH	1899.798	BEARING	N 87 57 26 W
COURSE	FROM	156	TO	136	LENGTH	1906.665	BEARING	N 1 19 47 E

CHAIN POINTS

POINT	136	N	269885.581	E	290497.484	S	**********	Z **********
POINT	137	N	269818.659	E	292395.612	S	**********	Z **********
POINT	157	N	267911.713	E	292351.834	S	**********	Z **********
POINT	156	N	267979.429	E	290453.243	S	**********	Z **********
POINT	136	N	269885.581	E	290497.484	S	**********	Z **********

TOTAL AREA OF LIST 3622276.878 SQUARE FEET 83.156 ACRES

DES CHA 'P8'

DESCRIPTION OF CHAIN P8

CHAIN ELEMENTS

COURSE	FROM	156	TO	157	LENGTH	1899.798	BEARING	S 87 57 26 E
COURSE	FROM	157	TO	177	LENGTH	1908.462	BEARING	S 1 18 54 W
COURSE	FROM	177	TO	176	LENGTH	1900.286	BEARING	N 87 56 39 W
COURSE	FROM	176	TO	156	LENGTH	1908.016	BEARING	N 1 19 47 E

CHAIN POINTS

POINT	156	N	267979.429	E	290453.243	S	**********	Z **********
POINT	157	N	267911.713	E	292351.834	S	**********	Z **********
POINT	177	N	266003.754	E	292308.032	S	**********	Z **********
POINT	176	N	266071.926	E	290408.970	S	**********	Z **********
POINT	156	N	267979.429	E	290453.243	S	**********	Z **********

TOTAL AREA OF LIST 3625441.836 SQUARE FEET 83.229 ACRES

DES CHA 'P9'

DESCRIPTION OF CHAIN P9

CHAIN ELEMENTS

COURSE	FROM	176	TO	177	LENGTH	1900.286	BEARING	S 87 56 39 E
COURSE	FROM	177	TO	190	LENGTH	2174.489	BEARING	S 1 18 54 W
COURSE	FROM	190	TO	189	LENGTH	1900.80	BEARING	N 88 1 57 W
COURSE	FROM	189	TO	176	LENGTH	2177.414	BEARING	N 1 19 47 E

CHAIN POINTS

POINT	176	N	266071.926	E	290408.970	S	**********	Z **********
POINT	177	N	266003.754	E	292308.032	S	**********	Z **********
POINT	190	N	263829.838	E	292258.125	S	**********	Z **********
POINT	189	N	263895.098	E	290358.446	S	**********	Z **********
POINT	176	N	266071.926	E	290408.970	S	**********	Z **********

TOTAL AREA OF LIST 4135188.239 SQUARE FEET 94.931 ACRES

DES CHA 'Q1'

DESCRIPTION OF CHAIN Q1

CHAIN ELEMENTS

COURSE	FROM	17	TO	18	LENGTH	1896.467	BEARING	S 87 51 5 E
COURSE	FROM	18	TO	38	LENGTH	1915.083	BEARING	S 1 18 2 W
COURSE	FROM	38	TO	37	LENGTH	1896.896	BEARING	N 87 58 30 W

Counter 45387

COURSE FROM 37 TO 17 LENGTH 1919.162 BEARING N 1 18 54 E

CHAIN POINTS

POINT	17	N	281284.282	E	292658.829	S	**********	Z	**********
POINT	18	N	281213.184	E	294553.963	S	**********	Z	**********
POINT	38	N	279298.594	E	294510.493	S	**********	Z	**********
POINT	37	N	279365.626	E	292614.782	S	**********	Z	**********
POINT	17	N	281284.282	E	292658.829	S	**********	Z	**********

TOTAL AREA OF LIST 3635831.73 SQUARE FEET 83.467 ACRES

DES CHA 'Q2'

DESCRIPTION OF CHAIN Q2

CHAIN ELEMENTS

COURSE	FROM	37 TO	38	LENGTH	1896.896	BEARING	S 87 58 30 E
COURSE	FROM	38 TO	58	LENGTH	1909.717	BEARING	S 1 18 2 W
COURSE	FROM	58 TO	57	LENGTH	1897.379	BEARING	N 87 58 26 W
COURSE	FROM	57 TO	37	LENGTH	1909.677	BEARING	N 1 18 54 E

CHAIN POINTS

POINT	37	N	279365.626	E	292614.782	S	**********	Z	**********
POINT	38	N	279298.594	E	294510.493	S	**********	Z	**********
POINT	58	N	277389.369	E	294467.146	S	**********	Z	**********
POINT	57	N	277456.452	E	292570.953	S	**********	Z	**********
POINT	37	N	279365.626	E	292614.782	S	**********	Z	**********

TOTAL AREA OF LIST 3622672.271 SQUARE FEET 83.165 ACRES

DES CHA 'Q3'

DESCRIPTION OF CHAIN Q3

CHAIN ELEMENTS

COURSE	FROM	57 TO	58	LENGTH	1897.379	BEARING	S 87 58 26 E
COURSE	FROM	58 TO	78	LENGTH	1909.463	BEARING	S 1 18 2 W
COURSE	FROM	78 TO	77	LENGTH	1897.863	BEARING	N 87 58 8 W
COURSE	FROM	77 TO	57	LENGTH	1909.295	BEARING	N 1 18 54 E

CHAIN POINTS

POINT	57	N	277456.452	E	292570.953	S	**********	Z	**********
POINT	58	N	277389.369	E	294467.146	S	**********	Z	**********
POINT	78	N	275480.399	E	294423.804	S	**********	Z	**********
POINT	77	N	275547.660	E	292527.133	S	**********	Z	**********
POINT	57	N	277456.452	E	292570.953	S	**********	Z	**********

TOTAL AREA OF LIST 3622990.931 SQUARE FEET 83.172 ACRES

DES CHA 'Q4'

DESCRIPTION OF CHAIN Q4

CHAIN ELEMENTS

COURSE	FROM	77 TO	78	LENGTH	1897.863	BEARING	S 87 58 8 E
COURSE	FROM	78 TO	98	LENGTH	1912.336	BEARING	S 1 18 2 W
COURSE	FROM	98 TO	97	LENGTH	1898.331	BEARING	N 88 0 27 W
COURSE	FROM	97 TO	77	LENGTH	1913.605	BEARING	N 1 18 54 E

CHAIN POINTS

POINT	77	N	275547.660	E	292527.133	S	**********	Z	**********
POINT	78	N	275480.399	E	294423.804	S	**********	Z	**********
POINT	98	N	273568.556	E	294380.397	S	**********	Z	**********
POINT	97	N	273634.559	E	292483.214	S	**********	Z	**********
POINT	77	N	275547.660	E	292527.133	S	**********	Z	**********

TOTAL AREA OF LIST 3630729.366 SQUARE FEET 83.350 ACRES

DES CHA 'Q5'

DESCRIPTION OF CHAIN Q5

CHAIN ELEMENTS

COURSE	FROM	97 TO	98	LENGTH	1898.331	BEARING	S 88 0 27 E
COURSE	FROM	98 TO	118	LENGTH	1909.571	BEARING	S 1 18 2 W
COURSE	FROM	118 TO	117	LENGTH	1898.815	BEARING	N 88 0 15 W
COURSE	FROM	117 TO	97	LENGTH	1909.458	BEARING	N 1 18 54 E

CHAIN POINTS

POINT	97	N	273634.559	E	292483.214	S	**********	Z	**********

counter 45388

POINT	98	N	273568.556	E	294380.397	S	**********	Z	**********
POINT	118	N	271659.476	E	294337.053	S	**********	Z	**********
POINT	117	N	271725.604	E	292439.390	S	**********	Z	**********
POINT	97	N	273634.559	E	292483.214	S	**********	Z	**********

TOTAL AREA OF LIST 3625092.782 SQUARE FEET 83.221 ACRES

DES CHA 'Q6'

DESCRIPTION OF CHAIN Q6

CHAIN ELEMENTS

COURSE	FROM 117 TO 118	LENGTH	1898.815	BEARING	S 88 0 15 E
COURSE	FROM 118 TO 138	LENGTH	1908.231	BEARING	S 1 18 2 W
COURSE	FROM 138 TO 137	LENGTH	1899.307	BEARING	N 87 58 51 W
COURSE	FROM 137 TO 117	LENGTH	1907.447	BEARING	N 1 18 54 E

CHAIN POINTS

POINT	117	N	271725.604	E	292439.390	S	**********	Z	**********
POINT	118	N	271659.476	E	294337.053	S	**********	Z	**********
POINT	138	N	269751.737	E	294293.739	S	**********	Z	**********
POINT	137	N	269818.659	E	292395.612	S	**********	Z	**********
POINT	117	N	271725.604	E	292439.390	S	**********	Z	**********

TOTAL AREA OF LIST 3622832.031 SQUARE FEET 83.169 ACRES

DES CHA 'Q7'

DESCRIPTION OF CHAIN Q7

CHAIN ELEMENTS

COURSE	FROM 137 TO 138	LENGTH	1899.307	BEARING	S 87 58 51 E
COURSE	FROM 138 TO 158	LENGTH	1908.231	BEARING	S 1 18 2 W
COURSE	FROM 158 TO 157	LENGTH	1899.799	BEARING	N 87 57 26 W
COURSE	FROM 157 TO 137	LENGTH	1907.448	BEARING	N 1 18 54 E

CHAIN POINTS

POINT	137	N	269818.659	E	292395.612	S	**********	Z	**********
POINT	138	N	269751.737	E	294293.739	S	**********	Z	**********
POINT	158	N	267843.998	E	294250.425	S	**********	Z	**********
POINT	157	N	267911.713	E	292351.834	S	**********	Z	**********
POINT	137	N	269818.659	E	292395.612	S	**********	Z	**********

TOTAL AREA OF LIST 3623753.132 SQUARE FEET 83.19 ACRES

DES CHA 'Q8'

DESCRIPTION OF CHAIN Q8

CHAIN ELEMENTS

COURSE	FROM 157 TO 158	LENGTH	1899.799	BEARING	S 87 57 26 E
COURSE	FROM 158 TO 178	LENGTH	1908.907	BEARING	S 1 18 2 W
COURSE	FROM 178 TO 177	LENGTH	1900.287	BEARING	N 87 56 39 W
COURSE	FROM 177 TO 157	LENGTH	1908.462	BEARING	N 1 18 54 E

CHAIN POINTS

POINT	157	N	267911.713	E	292351.834	S	**********	Z	**********
POINT	158	N	267843.998	E	294250.425	S	**********	Z	**********
POINT	178	N	265935.582	E	294207.096	S	**********	Z	**********
POINT	177	N	266003.754	E	292308.032	S	**********	Z	**********
POINT	157	N	267911.713	E	292351.834	S	**********	Z	**********

TOTAL AREA OF LIST 3626277.617 SQUARE FEET 83.248 ACRES

DES CHA 'Q9'

DESCRIPTION OF CHAIN Q9

CHAIN ELEMENTS

COURSE	FROM 177 TO 178	LENGTH	1900.287	BEARING	S 87 56 39 E
COURSE	FROM 178 TO 191	LENGTH	2171.564	BEARING	S 1 18 2 W
COURSE	FROM 191 TO 190	LENGTH	1900.80	BEARING	N 88 1 57 W
COURSE	FROM 190 TO 177	LENGTH	2174.489	BEARING	N 1 18 54 E

CHAIN POINTS

POINT	177	N	266003.754	E	292308.032	S	**********	Z	**********
POINT	178	N	265935.582	E	294207.096	S	**********	Z	**********
POINT	191	N	263764.578	E	294157.805	S	**********	Z	**********
POINT	190	N	263829.838	E	292258.125	S	**********	Z	**********
POINT	177	N	266003.754	E	292308.032	S	**********	Z	**********

TOTAL AREA OF LIST 4129618.232 SQUARE FEET 94.803 ACRES

DES CHA 'R1'

DESCRIPTION OF CHAIN R1

counter 45389

CHAIN ELEMENTS

COURSE	FROM	18	TO	19	LENGTH	1896.467	BEARING	S	87	51	5	E
COURSE	FROM	19	TO	39	LENGTH	1911.005	BEARING	S	1	17	10	W
COURSE	FROM	39	TO	38	LENGTH	1896.894	BEARING	N	87	58	30	W
COURSE	FROM	38	TO	18	LENGTH	1915.083	BEARING	N	1	18	2	E

CHAIN POINTS

POINT	18	N	281213.184	E	294553.963	S **********	Z **********
POINT	19	N	281142.086	E	296449.096	S **********	Z **********
POINT	39	N	279231.563	E	296406.202	S **********	Z **********
POINT	38	N	279298.594	E	294510.493	S **********	Z **********
POINT	18	N	281213.184	E	294553.963	S **********	Z **********

TOTAL AREA OF LIST 3628082.909 SQUARE FEET 83.299 ACRES

DES CHA 'R2'

DESCRIPTION OF CHAIN R2

CHAIN ELEMENTS

COURSE	FROM	38	TO	39	LENGTH	1896.894	BEARING	S	87	58	30	E
COURSE	FROM	39	TO	59	LENGTH	1909.757	BEARING	S	1	17	10	W
COURSE	FROM	59	TO	58	LENGTH	1897.377	BEARING	N	87	58	26	W
COURSE	FROM	58	TO	38	LENGTH	1909.717	BEARING	N	1	18	2	E

CHAIN POINTS

POINT	38	N	279298.594	E	294510.493	S **********	Z **********
POINT	39	N	279231.563	E	296406.202	S **********	Z **********
POINT	59	N	277322.287	E	296363.337	S **********	Z **********
POINT	58	N	277389.369	E	294467.146	S **********	Z **********
POINT	38	N	279298.594	E	294510.493	S **********	Z **********

TOTAL AREA OF LIST 3622734.278 SQUARE FEET 83.167 ACRES

DES CHA 'R3'

DESCRIPTION OF CHAIN R3

CHAIN ELEMENTS

COURSE	FROM	58	TO	59	LENGTH	1897.377	BEARING	S	87	58	26	E
COURSE	FROM	59	TO	79	LENGTH	1909.630	BEARING	S	1	17	10	W
COURSE	FROM	79	TO	78	LENGTH	1897.862	BEARING	N	87	58	8	W
COURSE	FROM	78	TO	58	LENGTH	1909.463	BEARING	N	1	18	2	E

CHAIN POINTS

POINT	58	N	277389.369	E	294467.146	S **********	Z **********
POINT	59	N	277322.287	E	296363.337	S **********	Z **********
POINT	79	N	275413.137	E	296320.474	S **********	Z **********
POINT	78	N	275480.399	E	294423.804	S **********	Z **********
POINT	58	N	277389.369	E	294467.146	S **********	Z **********

TOTAL AREA OF LIST 3623294.793 SQUARE FEET 83.189 ACRES

DES CHA 'R4'

DESCRIPTION OF CHAIN R4

CHAIN ELEMENTS

COURSE	FROM	78	TO	79	LENGTH	1897.862	BEARING	S	87	58	8	E
COURSE	FROM	79	TO	99	LENGTH	1911.067	BEARING	S	1	17	10	W
COURSE	FROM	99	TO	98	LENGTH	1898.33	BEARING	N	88	0	27	W
COURSE	FROM	98	TO	78	LENGTH	1912.336	BEARING	N	1	18	2	E

CHAIN POINTS

POINT	78	N	275480.399	E	294423.804	S **********	Z **********
POINT	79	N	275413.137	E	296320.474	S **********	Z **********
POINT	99	N	273502.552	E	296277.579	S **********	Z **********
POINT	98	N	273568.556	E	294380.397	S **********	Z **********
POINT	78	N	275480.399	E	294423.804	S **********	Z **********

TOTAL AREA OF LIST 3628307.183 SQUARE FEET 83.294 ACRES

DES CHA 'R5'

DESCRIPTION OF CHAIN R5

CHAIN ELEMENTS

COURSE	FROM	98	TO	99	LENGTH	1898.33	BEARING	S	88	0	27	E
COURSE	FROM	99	TO	119	LENGTH	1909.684	BEARING	S	1	17	10	W
COURSE	FROM	119	TO	118	LENGTH	1898.814	BEARING	N	88	0	15	W
COURSE	FROM	118	TO	98	LENGTH	1909.571	BEARING	N	1	18	2	E

CHAIN POINTS

counter 45390

POINT	98	N	273568.556	E	294380.397	S	**********	Z	**********
POINT	99	N	273502.552	E	296277.579	S	**********	Z	**********
POINT	119	N	271593.349	E	296234.715	S	**********	Z	**********
POINT	118	N	271659.476	E	294337.053	S	**********	Z	**********
POINT	98	N	273568.556	E	294380.397	S	**********	Z	**********

TOTAL AREA OF LIST 3625294.541 SQUARE FEET 83.225 ACRES

DES CHA 'R6'

DESCRIPTION OF CHAIN R6

CHAIN ELEMENTS

COURSE	FROM 118 TO	119	LENGTH	1898.814	BEARING	S 88 0 15 E
COURSE	FROM 119 TO	139	LENGTH	1909.014	BEARING	S 1 17 10 W
COURSE	FROM 139 TO	138	LENGTH	1899.306	BEARING	N 87 58 51 W
COURSE	FROM 138 TO	118	LENGTH	1908.231	BEARING	N 1 18 2 E

CHAIN POINTS

POINT	118	N	271659.476	E	294337.053	S	**********	Z	**********
POINT	119	N	271593.349	E	296234.715	S	**********	Z	**********
POINT	139	N	269684.815	E	296191.866	S	**********	Z	**********
POINT	138	N	269751.737	E	294293.739	S	**********	Z	**********
POINT	118	N	271659.476	E	294337.053	S	**********	Z	**********

TOTAL AREA OF LIST 3624307.407 SQUARE FEET 83.203 ACRES

DES CHA 'R7'

DESCRIPTION OF CHAIN R7

CHAIN ELEMENTS

COURSE	FROM 138 TO	139	LENGTH	1899.306	BEARING	S 87 58 51 E
COURSE	FROM 139 TO	159	LENGTH	1909.015	BEARING	S 1 17 10 W
COURSE	FROM 159 TO	158	LENGTH	1899.799	BEARING	N 87 57 26 W
COURSE	FROM 158 TO	138	LENGTH	1908.231	BEARING	N 1 18 2 E

CHAIN POINTS

POINT	138	N	269751.737	E	294293.739	S	**********	Z	**********
POINT	139	N	269684.815	E	296191.866	S	**********	Z	**********
POINT	159	N	267776.282	E	296149.017	S	**********	Z	**********
POINT	158	N	267843.998	E	294250.425	S	**********	Z	**********

POINT	138	N	269751.737	E	294293.739	S	**********	Z	**********

TOTAL AREA OF LIST 3625229.388 SQUARE FEET 83.224 ACRES

DES CHA 'R8'

DESCRIPTION OF CHAIN R8

CHAIN ELEMENTS

COURSE	FROM 158 TO	159	LENGTH	1899.799	BEARING	S 87 57 26 E
COURSE	FROM 159 TO	179	LENGTH	1909.352	BEARING	S 1 17 10 W
COURSE	FROM 179 TO	178	LENGTH	1900.288	BEARING	N 87 56 39 W
COURSE	FROM 178 TO	158	LENGTH	1908.907	BEARING	N 1 18 2 E

CHAIN POINTS

POINT	158	N	267843.998	E	294250.425	S	**********	Z	**********
POINT	159	N	267776.282	E	296149.017	S	**********	Z	**********
POINT	179	N	265867.411	E	296106.160	S	**********	Z	**********
POINT	178	N	265935.582	E	294207.096	S	**********	Z	**********
POINT	158	N	267843.998	E	294250.425	S	**********	Z	**********

TOTAL AREA OF LIST 3627113.400 SQUARE FEET 83.267 ACRES

DES CHA 'R9'

DESCRIPTION OF CHAIN R9

CHAIN ELEMENTS

COURSE	FROM 178 TO	179	LENGTH	1900.288	BEARING	S 87 56 39 E
COURSE	FROM 179 TO	192	LENGTH	2168.64	BEARING	S 1 17 10 W
COURSE	FROM 192 TO	191	LENGTH	1900.80	BEARING	N 88 1 57 W
COURSE	FROM 191 TO	178	LENGTH	2171.564	BEARING	N 1 18 2 E

CHAIN POINTS

POINT	178	N	265935.582	E	294207.096	S	**********	Z	**********
POINT	179	N	265867.411	E	296106.160	S	**********	Z	**********
POINT	192	N	263699.317	E	296057.484	S	**********	Z	**********
POINT	191	N	263764.578	E	294157.805	S	**********	Z	**********
POINT	178	N	265935.582	E	294207.096	S	**********	Z	**********

TOTAL AREA OF LIST 4124048.222 SQUARE FEET 94.675 ACRES

counter 45391

DES CHA 'S1'

DESCRIPTION OF CHAIN S1

CHAIN ELEMENTS

COURSE	FROM	19	TO 219	LENGTH	1067.467	BEARING	S 87 51 5 E
COURSE	FROM	219	TO 20	LENGTH	829.00	BEARING	S 88 2 60 E
COURSE	FROM	20	TO 40	LENGTH	1909.798	BEARING	S 1 16 18 W
COURSE	FROM	40	TO 39	LENGTH	1896.927	BEARING	N 87 58 30 W
COURSE	FROM	39	TO 19	LENGTH	1911.005	BEARING	N 1 17 10 E

CHAIN POINTS

POINT	19	N	281142.086	E	296449.096	S **********	Z **********
POINT	219	N	281102.067	E	297515.813	S **********	Z **********
POINT	20	N	281073.858	E	298344.333	S **********	Z **********
POINT	40	N	279164.530	E	298301.945	S **********	Z **********
POINT	39	N	279231.563	E	296406.202	S **********	Z **********
POINT	19	N	281142.086	E	296449.096	S **********	Z **********

TOTAL AREA OF LIST 3621595.663 SQUARE FEET 83.140 ACRES

DES CHA 'S2'

DESCRIPTION OF CHAIN S2

CHAIN ELEMENTS

COURSE	FROM	39	TO 40	LENGTH	1896.927	BEARING	S 87 58 30 E
COURSE	FROM	40	TO 60	LENGTH	1909.798	BEARING	S 1 16 18 W
COURSE	FROM	60	TO 59	LENGTH	1897.407	BEARING	N 87 58 26 W
COURSE	FROM	59	TO 39	LENGTH	1909.757	BEARING	N 1 17 10 E

CHAIN POINTS

POINT	39	N	279231.563	E	296406.202	S **********	Z **********
POINT	40	N	279164.530	E	298301.945	S **********	Z **********
POINT	60	N	277255.203	E	298259.557	S **********	Z **********
POINT	59	N	277322.287	E	296363.337	S **********	Z **********
POINT	39	N	279231.563	E	296406.202	S **********	Z **********

TOTAL AREA OF LIST 3622859.643 SQUARE FEET 83.179 ACRES

DES CHA 'S3'

DESCRIPTION OF CHAIN S3

CHAIN ELEMENTS

COURSE	FROM	59	TO 60	LENGTH	1897.407	BEARING	S 87 58 26 E
COURSE	FROM	60	TO 80	LENGTH	1909.798	BEARING	S 1 16 18 W
COURSE	FROM	80	TO 79	LENGTH	1897.888	BEARING	N 87 58 8 W
COURSE	FROM	79	TO 59	LENGTH	1909.630	BEARING	N 1 17 10 E

CHAIN POINTS

POINT	59	N	277322.287	E	296363.337	S **********	Z **********
POINT	60	N	277255.203	E	298259.557	S **********	Z **********
POINT	80	N	275345.875	E	298217.170	S **********	Z **********
POINT	79	N	275413.137	E	296320.474	S **********	Z **********
POINT	59	N	277322.287	E	296363.337	S **********	Z **********

TOTAL AREA OF LIST 3623653.712 SQUARE FEET 83.188 ACRES

DES CHA 'S4'

DESCRIPTION OF CHAIN S4

CHAIN ELEMENTS

COURSE	FROM	79	TO 80	LENGTH	1897.888	BEARING	S 87 58 8 E
COURSE	FROM	80	TO 100	LENGTH	1909.798	BEARING	S 1 16 18 W
COURSE	FROM	100	TO 99	LENGTH	1898.351	BEARING	N 88 0 27 W
COURSE	FROM	99	TO 79	LENGTH	1911.067	BEARING	N 1 17 10 E

CHAIN POINTS

POINT	79	N	275413.137	E	296320.474	S **********	Z **********
POINT	80	N	275345.875	E	298217.170	S **********	Z **********
POINT	100	N	273436.548	E	298174.782	S **********	Z **********
POINT	99	N	273502.552	E	296277.579	S **********	Z **********
POINT	79	N	275413.137	E	296320.474	S **********	Z **********

TOTAL AREA OF LIST 3625931.763 SQUARE FEET 83.24 ACRES

DES CHA 'S5'

DESCRIPTION OF CHAIN S5

counter 45392

CHAIN ELEMENTS

COURSE	FROM	99	TO	100	LENGTH	1898.351	BEARING	S 88 0 27 E
COURSE	FROM	100	TO	120	LENGTH	1909.798	BEARING	S 1 16 18 W
COURSE	FROM	120	TO	119	LENGTH	1898.831	BEARING	N 88 0 15 W
COURSE	FROM	119	TO	99	LENGTH	1909.684	BEARING	N 1 17 10 E

CHAIN POINTS

POINT	99	N	273502.552	E	296277.579	S **********	Z **********
POINT	100	N	273436.548	E	298174.782	S **********	Z **********
POINT	120	N	271527.221	E	298132.394	S **********	Z **********
POINT	119	N	271593.349	E	296234.715	S **********	Z **********
POINT	99	N	273502.552	E	296277.579	S **********	Z **********

TOTAL AREA OF LIST 3625534.769 SQUARE FEET 83.231 ACRES

DES CHA 'S6'

DESCRIPTION OF CHAIN S6

CHAIN ELEMENTS

COURSE	FROM	119	TO	120	LENGTH	1898.831	BEARING	S 88 0 15 E
COURSE	FROM	120	TO	140	LENGTH	1909.798	BEARING	S 1 16 18 W
COURSE	FROM	140	TO	139	LENGTH	1899.32	BEARING	N 87 58 51 W
COURSE	FROM	139	TO	119	LENGTH	1909.014	BEARING	N 1 17 10 E

CHAIN POINTS

POINT	119	N	271593.349	E	296234.715	S **********	Z **********
POINT	120	N	271527.221	E	298132.394	S **********	Z **********
POINT	140	N	269617.893	E	298090.006	S **********	Z **********
POINT	139	N	269684.815	E	296191.866	S **********	Z **********
POINT	119	N	271593.349	E	296234.715	S **********	Z **********

TOTAL AREA OF LIST 3625812.942 SQUARE FEET 83.237 ACRES

DES CHA 'S7'

DESCRIPTION OF CHAIN S7

CHAIN ELEMENTS

COURSE	FROM	139	TO	140	LENGTH	1899.32	BEARING	S 87 58 51 E
COURSE	FROM	140	TO	160	LENGTH	1909.798	BEARING	S 1 16 18 W
COURSE	FROM	160	TO	159	LENGTH	1899.809	BEARING	N 87 57 26 W
COURSE	FROM	159	TO	139	LENGTH	1909.015	BEARING	N 1 17 10 E

CHAIN POINTS

POINT	139	N	269684.815	E	296191.866	S **********	Z **********
POINT	140	N	269617.893	E	298090.006	S **********	Z **********
POINT	160	N	267708.566	E	298047.619	S **********	Z **********
POINT	159	N	267776.282	E	296149.017	S **********	Z **********
POINT	139	N	269684.815	E	296191.866	S **********	Z **********

TOTAL AREA OF LIST 3626727.506 SQUARE FEET 83.258 ACRES

DES CHA 'S8'

DESCRIPTION OF CHAIN S8

CHAIN ELEMENTS

COURSE	FROM	159	TO	160	LENGTH	1899.809	BEARING	S 87 57 26 E
COURSE	FROM	160	TO	180	LENGTH	1909.798	BEARING	S 1 16 18 W
COURSE	FROM	180	TO	179	LENGTH	1900.294	BEARING	N 87 56 39 W
COURSE	FROM	179	TO	159	LENGTH	1909.352	BEARING	N 1 17 10 E

CHAIN POINTS

POINT	159	N	267776.282	E	296149.017	S **********	Z **********
POINT	160	N	267708.566	E	298047.619	S **********	Z **********
POINT	180	N	265799.238	E	298005.231	S **********	Z **********
POINT	179	N	265867.411	E	296106.160	S **********	Z **********
POINT	159	N	267776.282	E	296149.017	S **********	Z **********

TOTAL AREA OF LIST 3627962.748 SQUARE FEET 83.287 ACRES

DES CHA 'S9'

DESCRIPTION OF CHAIN S9

CHAIN ELEMENTS

COURSE	FROM	179	TO	180	LENGTH	1900.294	BEARING	S 87 56 39 E
COURSE	FROM	180	TO	193	LENGTH	2165.715	BEARING	S 1 16 18 W
COURSE	FROM	193	TO	192	LENGTH	1900.80	BEARING	N 88 1 57 W
COURSE	FROM	192	TO	179	LENGTH	2168.64	BEARING	N 1 17 10 E

counter #5393

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                CHAIN POINTS

      POINT    179        N    265867.411     E    296106.160     S ************     Z ************
      POINT    180        N    265799.238     E    298005.231     S ************     Z ************
      POINT    193        N    263634.057     E    297957.163     S ************     Z ************
      POINT    192        N    263699.317     E    296057.484     S ************     Z ************
      POINT    179        N    265867.411     E    296106.160     S ************     Z ************

   TOTAL AREA OF LIST          4118483.545 SQUARE FEET      94.547 ACRES
$
$
$       THE PURPOSE OF THIS PROGRAM IS TO CLEARLY DEFINE THE TINNIN PRE-
$  EMPTION WHICH IS LOCATED IN SECTIONS 8 AND 9 OF BLOCK 113 OF CULBERSON
$  COUNTY, TEXAS.  SECTIONS 8 AND 9  ARE CALLED GRID Q2 AND P2 IN THE PREVIOUS
$  COGO PROGRAM IN WHICH THEY WERE DESCRIBED. THE FIRST STEP IN THIS PROGRAM
$  IS TO LOCATE THE FOUR CORNERS OF THE PRE-EMPTION AND OF THE TWO GRIDS. THE
$  NEXT STEP IS TO DETERMINE HOW MUCH OF THE PRE-EMPTION IS IN EACH GRID. THE
$  THIRD STEP IS TO DETERMINE HOW MUCH AREA IS LEFT IN EACH GRID AFTER THE
$  PORTION OF THE PRE-EMPTION IS SUBTRACTED FROM THE CORRESPONDING GRID.
$
$
$       GRID Q2 CONSISTS OF POINTS  35, 36, 56, AND 55
$       GRID P2 CONSISTS OF POINTS  36, 37, 57, AND 56
$       THE TINNIN PRE-EMPTION CONSISTS OF POINTS  444, 445, 446, 447
$
$
STORE  POINT 444    N 279380.61     E 290742.29
         POINT    444         N    279380.610     E    290742.290     S ************     Z ************
D      POINT 445    N 278690.54     E 291403.12
         POINT    445         N    278690.540     E    291403.120     S ************     Z ************
D      POINT 446    N 278031.21     E 290714.54
         POINT    446         N    278031.210     E    290714.540     S ************     Z ************
D      POINT 447    N 278721.28     E 290053.71
         POINT    447         N    278721.280     E    290053.710     S ************     Z ************
$
$       TINNIN PRE-EMPTION  IS APPROXIMATELY IN THE SHAPE OF A DIAMOND IN N-S
$  DIRECTION. WITH POINT 444 AS THE NORTHERN MOST POINT, 445 IS EASTERN MOST
$  POINT, 446 IS SOUTHERN MOST POINT, AND 447 IS WESTERN MOST POINT.
$
$       THE FOLLOWING LINES WILL BE LOCATED BETWEEN THESE POINTS.  LINE 35
$  BETWEEN 35 AND 36, LINE 36  36 AND 56,  LINE 444  444 AND 447.
$
$
STORE LINE  35  THRU  35 TOWARD 36
    LINE  35 THRU     35  AT BEARING  S 87 58 30 E

D     DIST '35' DIST 35 TO 36
    DISTANCE 35     1896.899

D     LINE  36  THRU 36 TO 56
    LINE  36 THRU     36  AT BEARING  S  1 19 47 W

D     DIST '36' DIST 36 TO 56
    DISTANCE 36     1909.636

D     LINE 444  THRU 444 TO 447
    LINE 444 THRU    444  AT BEARING  S 46 14 35 W

D     DIST '444' DIST 444 TO 447
    DISTANCE 444     953.341

D     LINE  446 THRU 446 TO 447
    LINE 446 THRU    446  AT BEARING  N 43 45 36 W

STORE CHAIN 'PREE' 444,445,446,447,444

DESCRIBE CHAIN '02'


   DESCRIPTION OF CHAIN 02

                CHAIN ELEMENTS

    COURSE      FROM      35 TO      36        LENGTH   1896.899        BEARING  S 87 58 30 E
    COURSE      FROM      36 TO      56        LENGTH   1909.636        BEARING  S  1 19 47 W
    COURSE      FROM      56 TO      55        LENGTH   1897.381        BEARING  N 87 58 26 W
    COURSE      FROM      55 TO      35        LENGTH   1909.596        BEARING  N  1 20 39 E
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counter #5394

CHAIN POINTS

POINT	35	N	279499.689	E	288823.356	S	**********	Z	**********
POINT	36	N	279432.657	E	290719.070	S	**********	Z	**********
POINT	56	N	277523.535	E	290674.760	S	**********	Z	**********
POINT	55	N	277590.618	E	288778.564	S	**********	Z	**********
POINT	35	N	279499.689	E	288823.356	S	**********	Z	**********

TOTAL AREA OF LIST 3622548.246 SQUARE FEET 83.162 ACRES

DESCRIBE CHAIN 'P2'

DESCRIPTION OF CHAIN P2

CHAIN ELEMENTS

COURSE	FROM	36 TO	37	LENGTH	1896.897	BEARING	S 87 58 30 E
COURSE	FROM	37 TO	57	LENGTH	1909.677	BEARING	S 1 18 54 W
COURSE	FROM	57 TO	56	LENGTH	1897.380	BEARING	N 87 58 26 W
COURSE	FROM	56 TO	36	LENGTH	1909.636	BEARING	N 1 19 47 E

CHAIN POINTS

POINT	36	N	279432.657	E	290719.070	S	**********	Z	**********
POINT	37	N	279365.626	E	292614.782	S	**********	Z	**********
POINT	57	N	277456.452	E	292570.953	S	**********	Z	**********
POINT	56	N	277523.535	E	290674.760	S	**********	Z	**********
POINT	36	N	279432.657	E	290719.070	S	**********	Z	**********

TOTAL AREA OF LIST 3622610.260 SQUARE FEET 83.164 ACRES

DESCRIBE CHAIN 'PREE'

DESCRIPTION OF CHAIN PREE

CHAIN ELEMENTS

COURSE	FROM	444 TO	445	LENGTH	955.454	BEARING	S 43 45 36 E
COURSE	FROM	445 TO	446	LENGTH	953.341	BEARING	S 46 14 35 W
COURSE	FROM	446 TO	447	LENGTH	955.454	BEARING	N 43 45 36 W
COURSE	FROM	447 TO	444	LENGTH	953.341	BEARING	N 46 14 35 E

CHAIN POINTS

POINT	444	N	279380.610	E	290742.290	S	**********	Z	**********
POINT	445	N	278690.540	E	291403.120	S	**********	Z	**********
POINT	446	N	278031.210	E	290714.540	S	**********	Z	**********
POINT	447	N	278721.280	E	290053.710	S	**********	Z	**********
POINT	444	N	279380.610	E	290742.290	S	**********	Z	**********

TOTAL AREA OF LIST 910873.445 SQUARE FEET 20.911 ACRES

```
$
$
$    LOCATE POINT WHERE LINES 36 AND LINE 444 INTERECT CALLED 666.
$    LOCATE POINT WHERE LINES 36 AND LINE 446 INTERECT CALLED 777.
$
LOCATE POINT 666 INT LINE 36 WITH LINE 444
         POINT    666       N   279356.688    E   290717.307    S **********     Z **********
         ACUTE ANGLE OF INTERSECTION EQUALS  44 DEGREES  54 MINUTES  48.793 SECONDS.

LCCATE POINT 777 INT LINE 36 WITH LINE 446
         POINT    777       N   278059.754    E   290687.205    S **********     Z **********
         ACUTE ANGLE OF INTERSECTION EQUALS  45 DEGREES   5 MINUTES  22.636 SECONDS.

$
$    NOW IDENTIFY THREE LINES BETWEEN POINTS 36 AND 56.
$
STORE LINE  361   THRU  36  TO  666
    LINE 361 THRU     36  AT BEARING  S  1 19 47 W

D     DIST '361'  DIST  36  TO  666
    DISTANCE 361       75.99

D     LINE  362   THRU 666  TO  777
    LINE 362 THRU    666  AT BEARING  S  1 19 47 W

D     DIST '362'  DIST 666  TO  777
    DISTANCE 362    1297.283

D     LINE  363   THRU 777  TO  56
    LINE 363 THRU    777  AT BEARING  S  1 19 47 W

D     DIST '363'  DIST 777  TO  56
    DISTANCE 363     536.364

$
$   THE AREAS WHICH ARE  ENCLOSE BY THE POINTS DESIGNATED WILL BE DESCRIBED.
$
$
STORE CHAIN '002' 35,36,666,447,777,56,55,35

STORE CHAIN 'TPL' 666,777,447,666

D     CHAIN 'TPR' 444,445,446,777,666,444
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counter 45395

Counter A5395

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DISTANCE 361      75.99

D     LINE  362   THRU 666  TO  777
    LINE 362 THRU    666  AT BEARING  S  1 19 47 W

D     DIST '362'  DIST 666  TO  777
    DISTANCE 362    1297.283

D     LINE  363   THRU 777  TO  56
    LINE 363 THRU    777  AT BEARING  S  1 19 47 W

D     DIST '363'  DIST 777  TO  56
    DISTANCE 363     536.364

$

$   THE AREAS WHICH ARE  ENCLOSE BY THE POINTS DESIGNATED WILL BE DESCRIBED.

$

$

STORE CHAIN '002' 35,36,666,447,777,56,55,35

STORE CHAIN 'TPL' 666,777,447,666

D     CHAIN 'TPR' 444,445,446,777,666,444

D     CHAIN 'PP2' 36,37,57,56,777,446,445,444,666,36

DESCRIBE CHAIN '002'


   DESCRIPTION OF CHAIN 002

                CHAIN ELEMENTS

    COURSE      FROM      35 TO      36        LENGTH  1896.899        BEARING  S 87 58 30 E
    COURSE      FROM      36 TO     666        LENGTH    75.99         BEARING  S  1 19 47 W
    COURSE      FROM     666 TO     447        LENGTH   918.751        BEARING  S 46 14 35 W
    COURSE      FROM     447 TO     777        LENGTH   915.932        BEARING  S 43 45 36 E
    COURSE      FROM     777 TO      56        LENGTH   536.364        BEARING  S  1 19 47 W
    COURSE      FROM      56 TO      55        LENGTH  1897.381        BEARING  N 87 58 26 W
    COURSE      FROM      55 TO      35        LENGTH  1909.596        BEARING  N  1 20 39 E


                CHAIN POINTS

        POINT     35      N  279499.689    E  288823.356    S ************    Z ************
        POINT     36      N  279432.657    E  290719.070    S ************    Z ************
        POINT    666      N  279356.688    E  290717.307    S ************    Z ************
        POINT    447      N  278721.280    E  290053.710    S ************    Z ************
        POINT    777      N  278059.754    E  290687.205    S ************    Z ************
        POINT     56      N  277523.535    E  290674.760    S ************    Z ************
        POINT     55      N  277590.618    E  288778.564    S ************    Z ************
        POINT     35      N  279499.689    E  288823.356    S ************    Z ************

    TOTAL AREA OF LIST          3201791.202 SQUARE FEET      73.503 ACRES

DESCRIBE CHAIN 'TPL'


   DESCRIPTION OF CHAIN TPL

                CHAIN ELEMENTS

    COURSE      FROM     666 TO     777        LENGTH  1297.283        BEARING  S  1 19 47 W
    COURSE      FROM     777 TO     447        LENGTH   915.932        BEARING  N 43 45 36 W
    COURSE      FROM     447 TO     666        LENGTH   918.751        BEARING  N 46 14 35 E


                CHAIN POINTS

        POINT    666      N  279356.688    E  290717.307    S ************    Z ************
        POINT    777      N  278059.754    E  290687.205    S ************    Z ************
        POINT    447      N  278721.280    E  290053.710    S ************    Z ************
        POINT    666      N  279356.688    E  290717.307    S ************    Z ************

    TOTAL AREA OF LIST          420757.045 SQUARE FEET       9.669 ACRES

DESCRIBE CHAIN 'TPR'


   DESCRIPTION OF CHAIN TPR

                CHAIN ELEMENTS

    COURSE      FROM     444 TO     445        LENGTH   955.454        BEARING  S 43 45 36 E
    COURSE      FROM     445 TO     446        LENGTH   953.341        BEARING  S 46 14 35 W
    COURSE      FROM     446 TO     777        LENGTH    39.522        BEARING  N 43 45 36 W
    COURSE      FROM     777 TO     666        LENGTH  1297.283        BEARING  N  1 19 47 E
    COURSE      FROM     666 TO     444        LENGTH    34.589        BEARING  N 46 14 35 E


                CHAIN POINTS

        POINT    444      N  279380.610    E  290742.290    S ************    Z ************
        POINT    445      N  278690.540    E  291403.120    S ************    Z ************
        POINT    446      N  278031.210    E  290714.540    S ************    Z ************
        POINT    777      N  278059.754    E  290687.205    S ************    Z ************
        POINT    666      N  279356.688    E  290717.307    S ************    Z ************
        POINT    444      N  279380.610    E  290742.290    S ************    Z ************

    TOTAL AREA OF LIST          490116.40   SQUARE FEET      11.252 ACRES

DESCRIBE CHAIN 'PP2'


   DESCRIPTION OF CHAIN PP2

                CHAIN ELEMENTS
```

POINT 666 N 279356.688 E 290717.307 S ********** Z **********
POINT 36 N 279432.657 E 290719.070 S ********** Z **********

TOTAL AREA OF LIST 3132493.860 SQUARE FEET 71.912 ACRES

FINISH
THE ABOVE COGO PROBLEM INCLUDED 0 ERRORS WHICH REQUIRED COMMAND ABORT.
OF THESE COMMANDS 0 INVOLVED ATTEMPTS TO RETRIEVE UNSTORED OBJECTS.

GOOD-BYE

counter 45397

```
IEF285I   MS.OR.ICESMODS                                          KEPT
IEF285I   VOL SER NOS= D09035.
IEF285I   SYS68132.T121910.SP004.D2ZX0001.R0000001      SYSOUT
IEF285I   VOL SER NOS= D09034.
IEF285I   SYS68132.T121910.RP004.D2ZX0001.R0000002      DELETED
IEF285I   VOL SER NOS= 222222.
IEF285I   MS.OR.ICESCOGO                                          KEPT
IEF285I   VOL SER NOS= D09035.
IEF285I   MS.OR.ICESDICT                                          KEPT
IEF285I   VOL SER NOS= D09035.
IEF285I   SYS68132.T121910.RP004.D2ZX0001.R0000003      DELETED
IEF285I   VOL SER NOS= 333333.
IEF285I   D00.D2ZX0001                                            DELETED
IEF285I   VOL SER NOS= D09034.
CJA004C            ST2      END          DATE 68.132      TIME OF DAY 12.7234
CJA005C       JOB  D2ZX0001 END          DATE 68.132      TIME OF DAY 12.7235
```

```
DATE 68.132
RDR START  12.14.20
ENTERED    12.14.44
SCHEDULED  12.19.07
TERMINATED 12.43.25
NUMBER OF CARDS READ    756
NUMBER OF LINES PRINTED    5768

END OF D2ZX0001
```

counter 75398

File No. 48-A

Culberson County

Calculations

Filed May 28 1968

JERRY SADLER, Com'r

By V. E. Slaying

see Rolled Sk. 53

counter 45399

D566

Date 5/28 1968

Hon. Jerry Sadler
Commissioner
General Land Office

Dear Sir:

Attached is $_____

Charge
Credit Acct. #

Cash
Check
Draft

Fees
To Cover
Rental

Interest On The Following:

Rolled Sketch Culberson Co

Computation Sheets

#8

RECEIVED
MAY 28 1968
General Land Office

Receipt
Please Mail Copies to Mr. C. C. Cool
Statement

Street Midland

City Tex

Attention

counter #5422