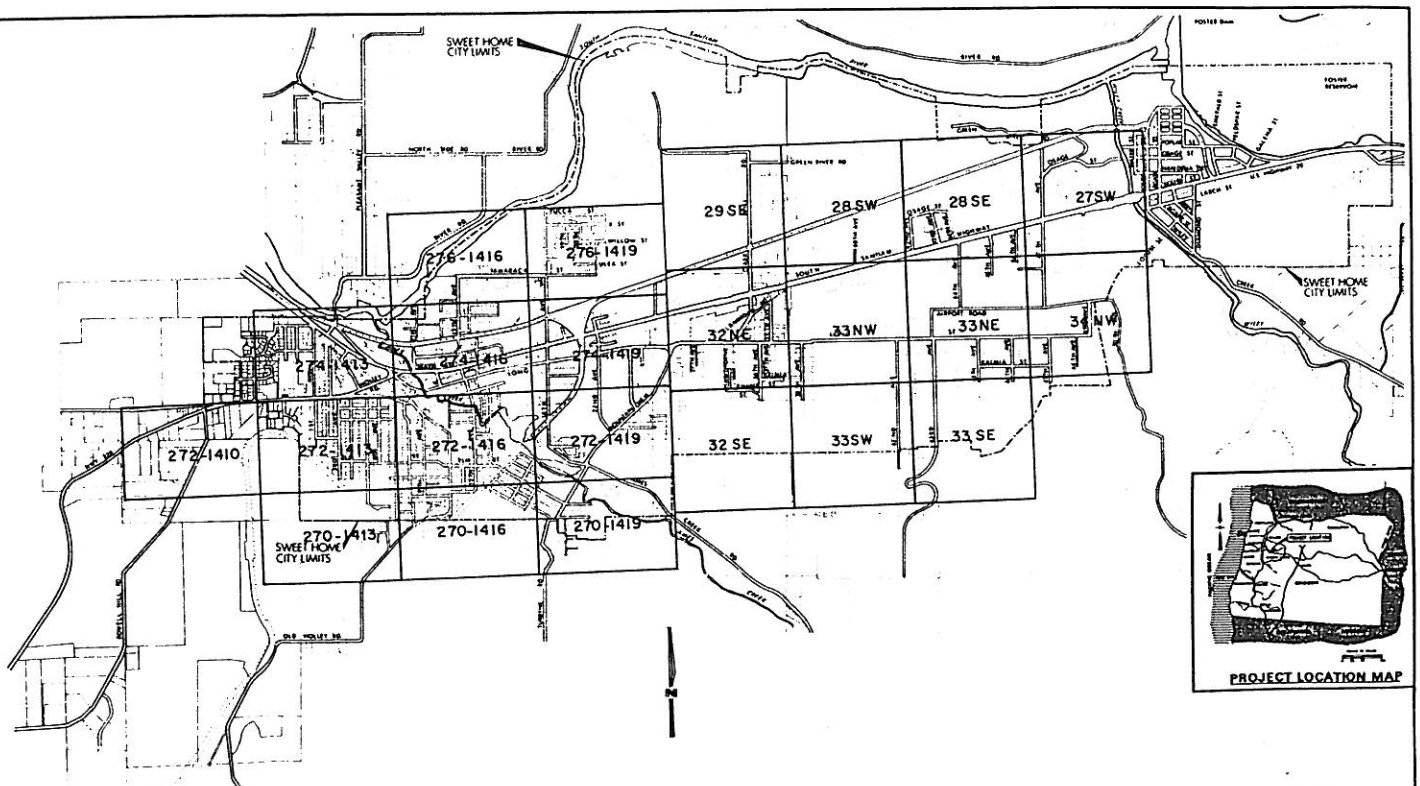
CHAPTER V

RECOMMENDATIONS

Based on the foregoing, we recommend:

1. That the City of Sweet Home adopt the proposed intensity-frequency-duration curves prepared for the City.
2. That the City adopt the design frequency criteria proposed.
3. That the City adopt the detention concepts and criteria proposed.
4. That the City adopt the Proposed Master Storm Drainage Plan.
5. That the City adopt policies which will reserve to the City, via dedication or easement, the right of access to all drainages modeled herein.
6. That the City Engineer become familiar with the EPA Storm Water Management Model.
7. That the City install at least one (but preferably 3) runoff measurement gauges this fall and that the storm water model of the City of Sweet Home be calibrated and verified.
8. That the City's as-built records of existing enclosed storm pipe be systematically improved.
9. Investigate feasibility of municipal detention facility on Ames Creek upstream of 14th Avenue before releasing this land to other uses.



0 800 1600 3200

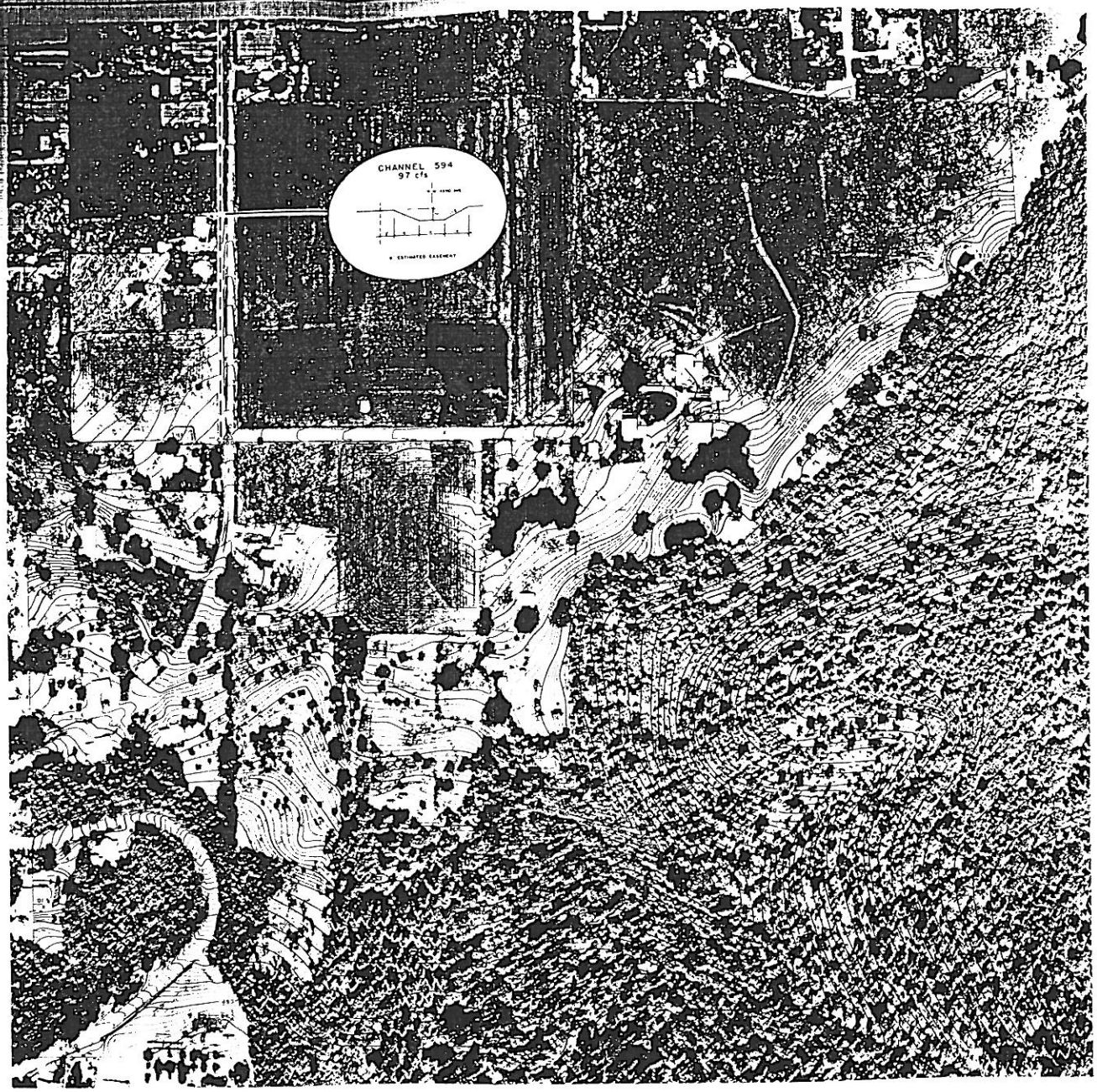
MAPS INDEXED ARE CITY OF SWEET HOME TOPOGRAPHIC MAPS

CITY OF SWEET HOME

MAP INDEX

DEVCO ENGINEERING INC.

MAP NO. IV-3



TOPOGRAPHY COMPILED BY PHOTO-GRAMMETRIC METHODS FROM AERIAL PHOTOGRAPHS DATED

ORTHOPHOTO COMPILED BY SENTOR ORTHOPHOTO SHEETS

PLANE GRID COORDINATES ARE BASED FROM THE OREGON STATE SYSTEM NORTH ZONE

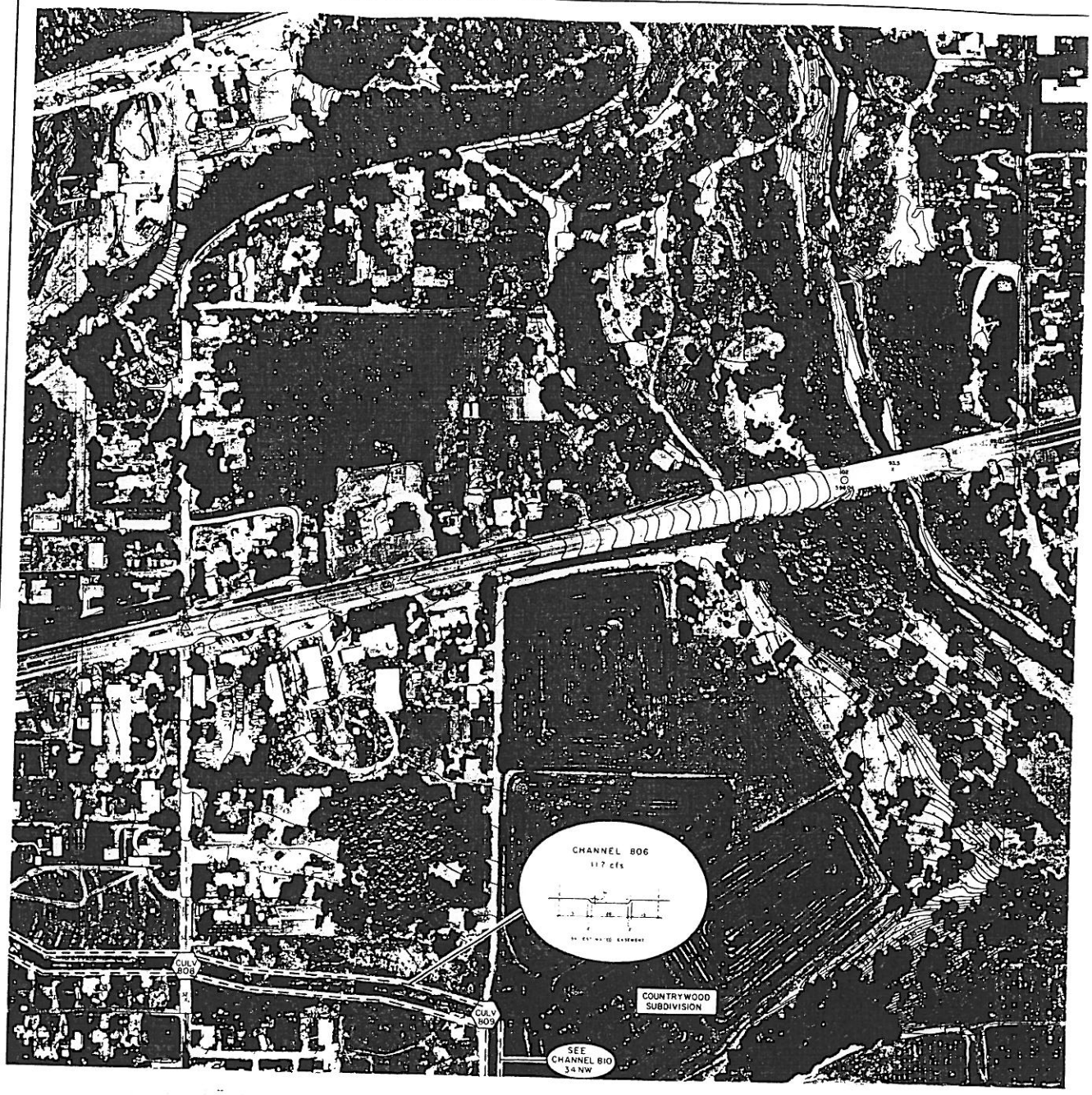
CONTROL (NGS PID)

ORTHOPHOTOCONTOUR MAP

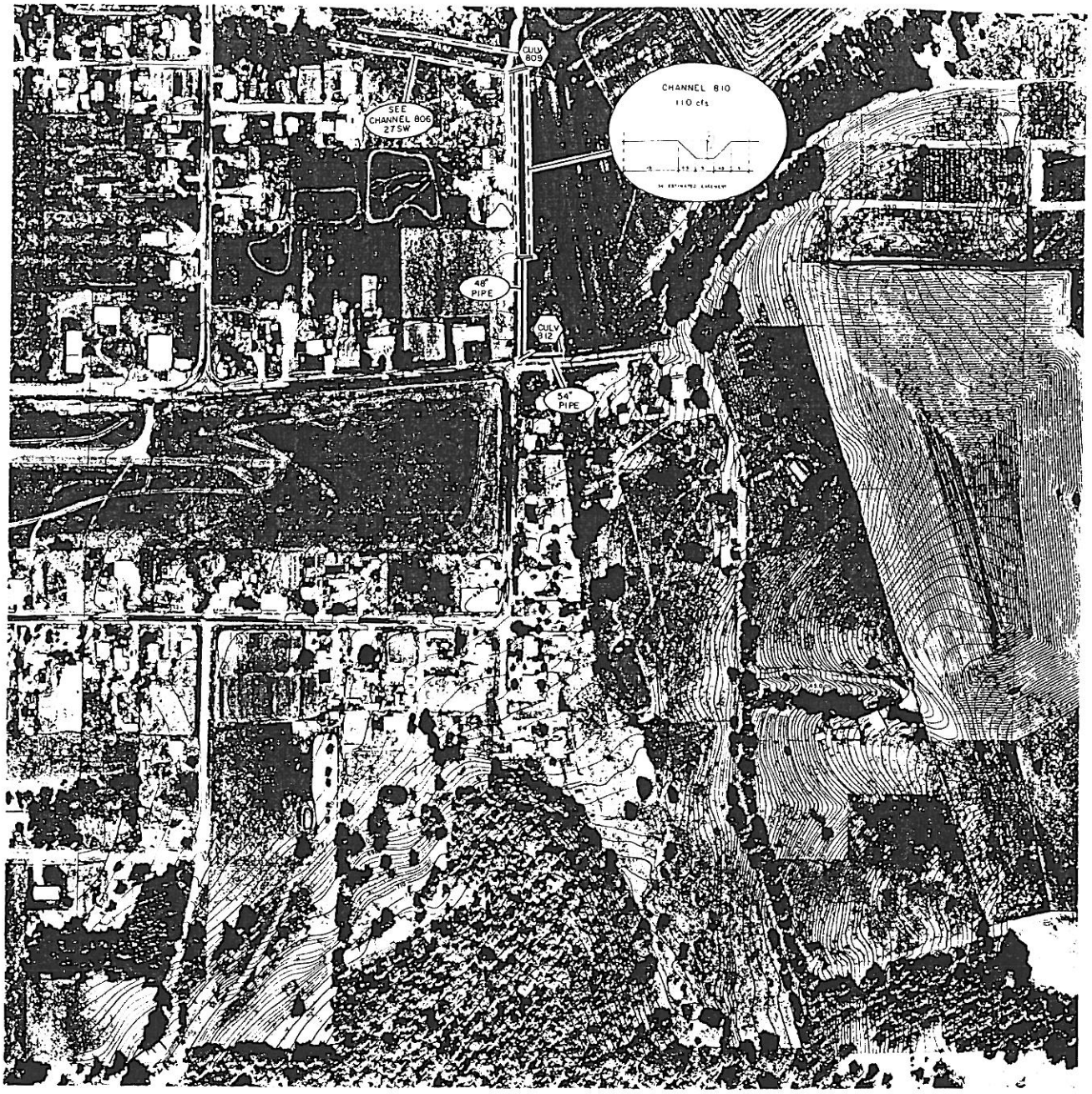
CITY OF SWEET HOME, OREGON

FOSTER MIDWAY AREA

CONTOUR INTERVAL 2'



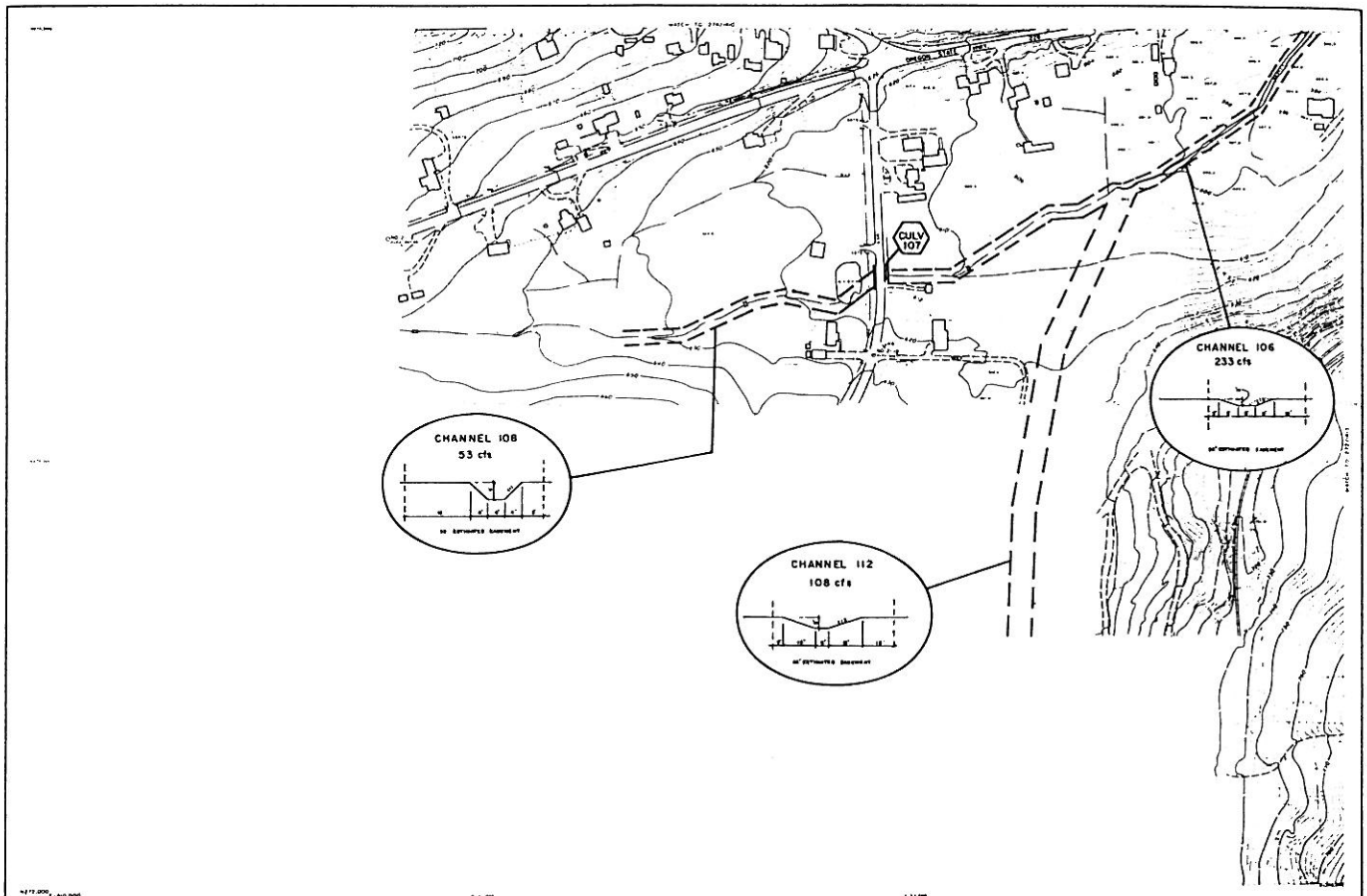
CITY OF SWEET HOME OREGON



TOPOGRAPHY COMPILED BY PHOTO-GRAMMETRIC METHODS FROM AERIAL PHOTOGRAPHY DATED

PLANE GRID COORDINATES ARE BASED UPON THE OREGON STATE SYSTEM NORTH ZONE

CITY OF SWEET HOME OREGON



PREPARED BY CHOKERING GREEN EMPIRE, INC. EUGENE OREGON

COMPILED FROM AERIAL PHOTOGRAPHY DATED 12-17-70 AND 5-10-79

NOTE: DATUM: CONTOURS MAY VARY UP TO 1.5 FT. DUE TO DATUM SHIFTING

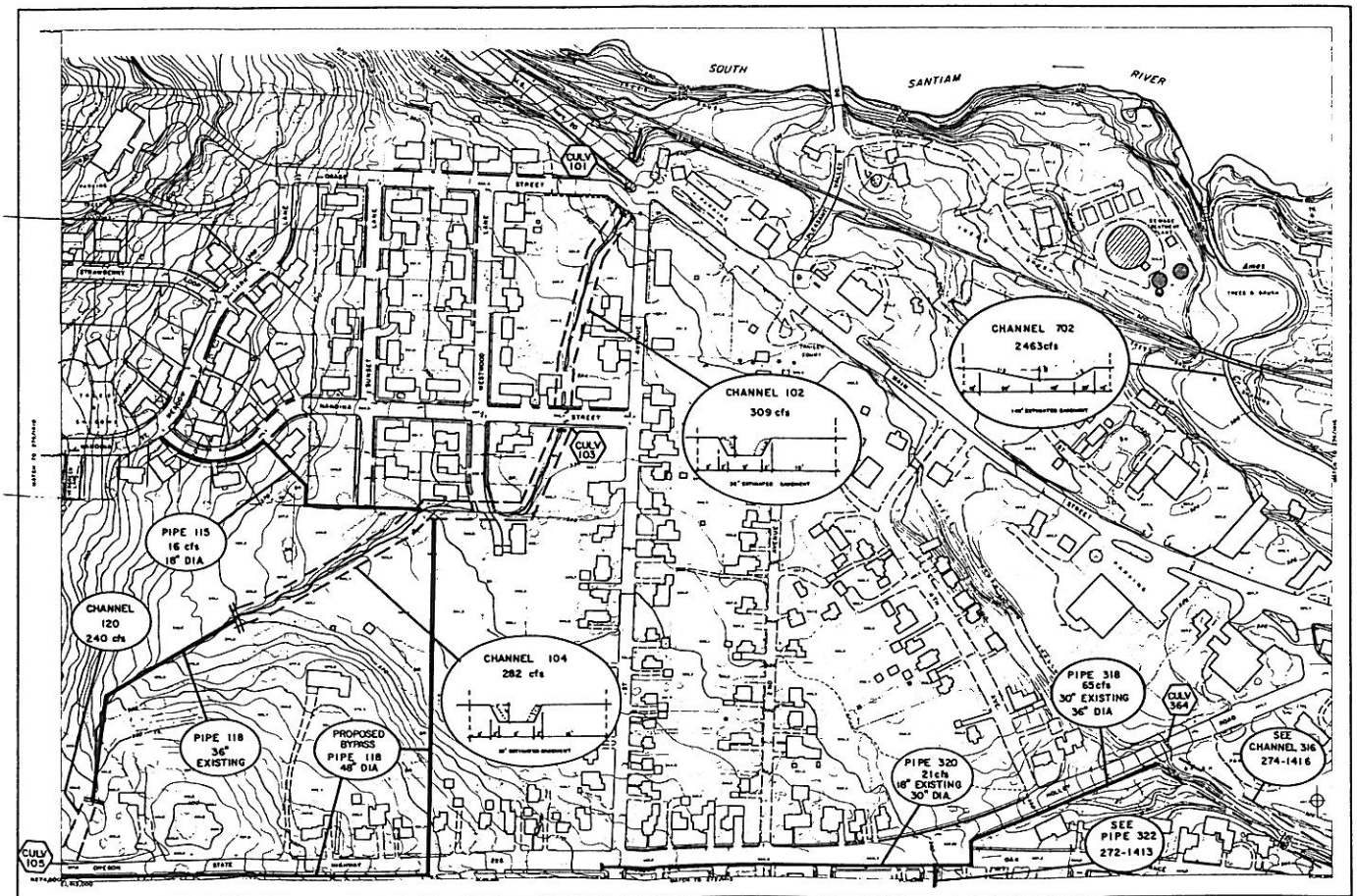
REV	BY	DESCRIPTION	DATE

USC & GS DATUM 1947 ADJUSTMENT AND BASED ON LAMBERT PROJECTION OREGON NORTH ZONE

CITY OF SWEET HOME
PUBLIC WORK DEPARTMENT
SWEET HOME, OREGON

SHEET NO. 272/1410

PLAT FILE NO.



PREPARED BY THE OFFICE OF H.S. CHICKERING JR. CONSULTING PHOTOGRAMMETRIST INC. EUGENE, OREGON

COMPILED FROM AERIAL PHOTOGRAPHY DATED 12-17-70

NOTE: DASHED CONTOURS HAVE INDICATE LESS DRAIN STANDING WEIGHT, BUT TO BE ON GROUND EXCEPT FOR HEAVY SHADING

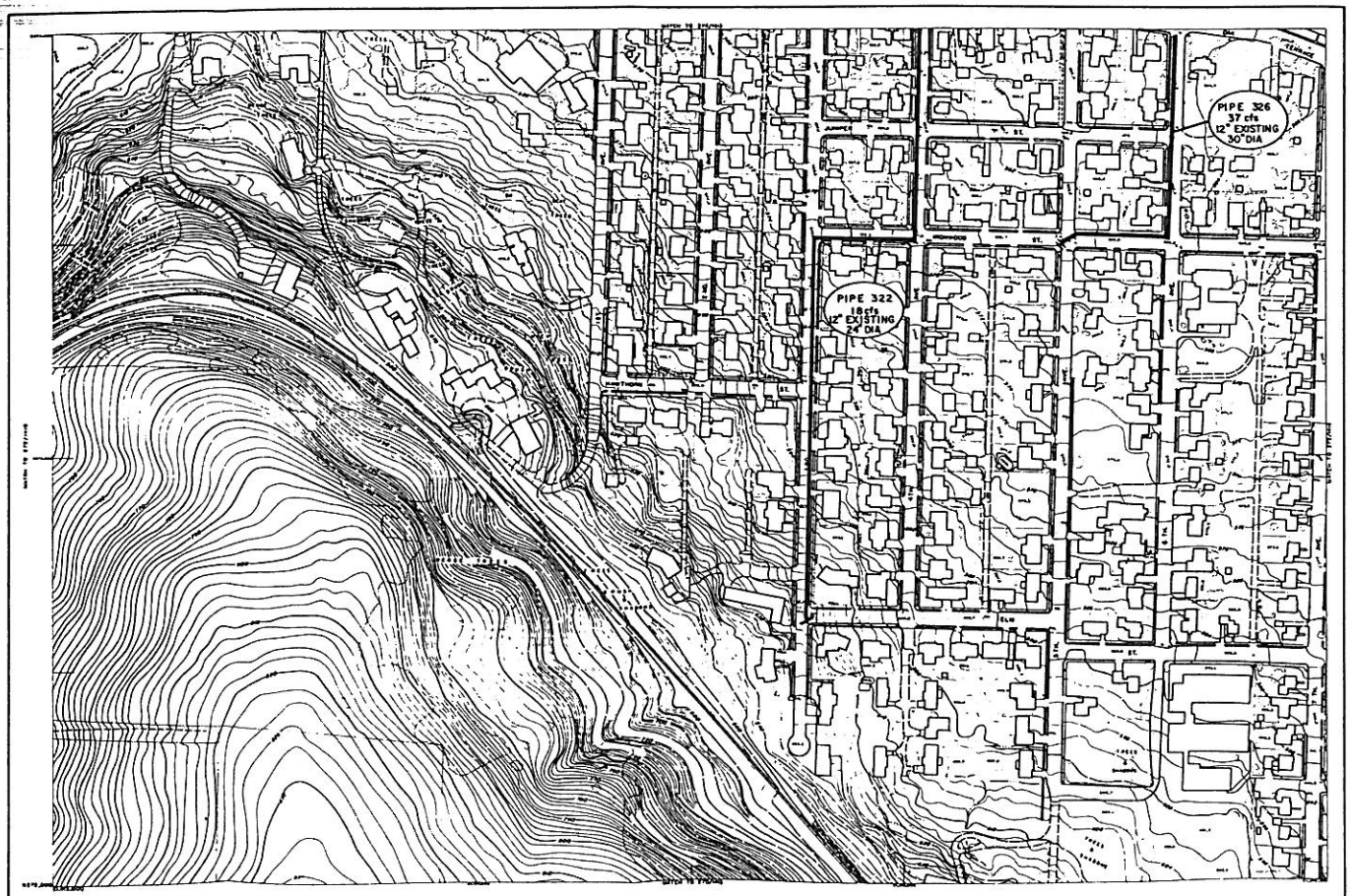
REV. BY	DESCRIPTION	DATE

USC & GS DATUM 1947 ADJUSTMENT
GRID BASED ON LAMBERT PROJECTION
OREGON NORTH ZONE

CITY OF SWEET HOME
PUBLIC WORK DEPARTMENT
SWEET HOME, OREGON

SHEET NO. 274/1413

FILE FILE NO.



PREPARED BY CHOKERINE-GREEN
EUGENE, INC
EUGENE, OREGON

COMPILED FROM AERIAL PHOTOGRAPHY DATED
12-17-70 AND 3-15-79

NOTE: DATUM, CONTOURS, AND VERTICAL LEGS TAKEN
FROM AERIAL MEASUREMENTS, NOT TO BE USED FOR
SURVEY AND ENGINEERING PURPOSES

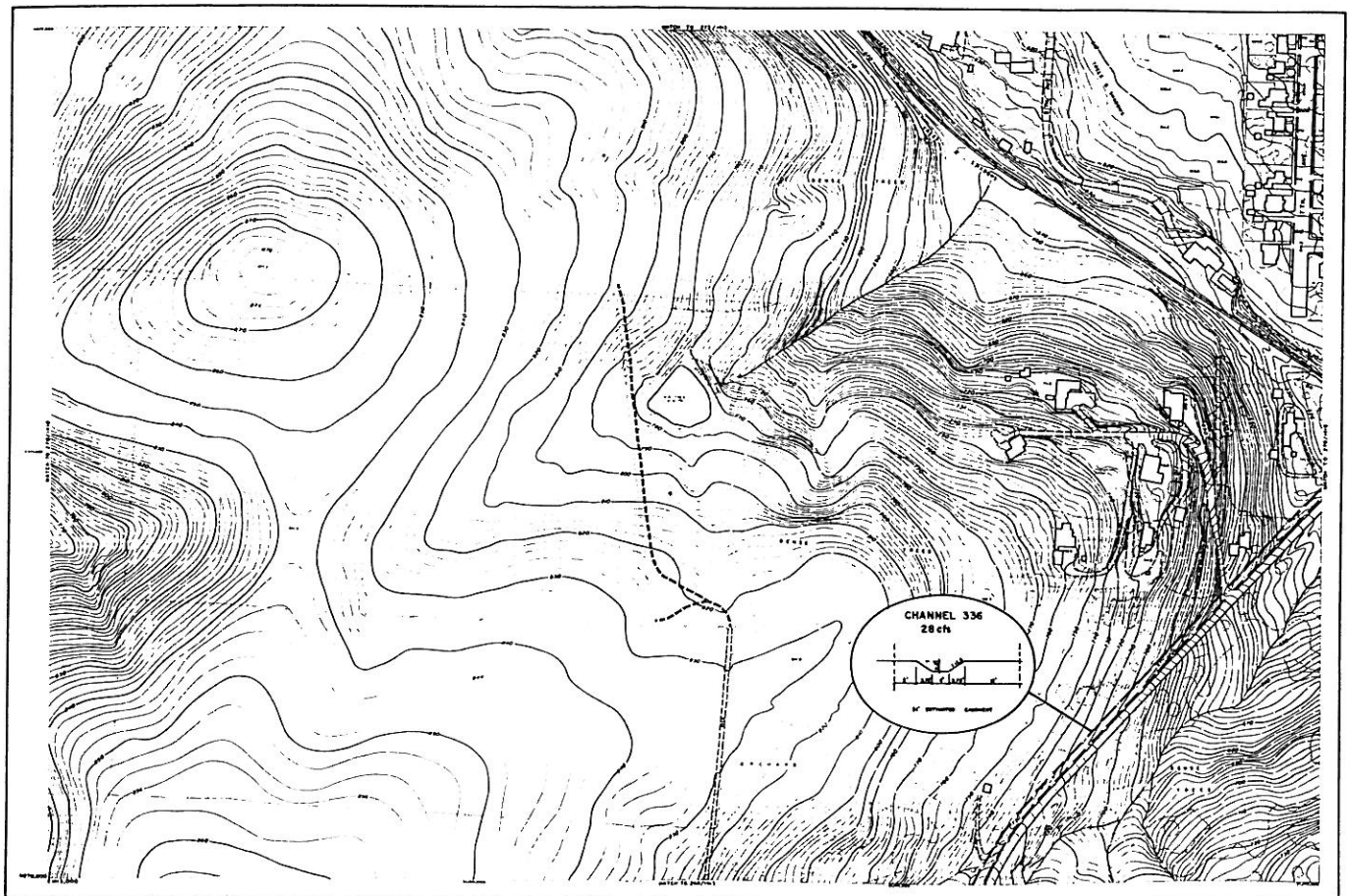
REV	BY	DESCRIPTION	DATE

USE U.S. SURVEY FOOT ADJUSTMENT
SPC 1-NCS ON LAMBERT PROJECTION
OREGON NORTH ZONE

CITY OF SWEET HOME
PUBLIC WORK DEPARTMENT
SWEET HOME, OREGON

SHEET NO. 272/1413

PLAT FILE NO.



PREPARED BY CHICKERING-GREEN EMPIRE, INC. EUGENE, OREGON

COMPILED FROM AERIAL PHOTOGRAPHY DATED 10-17-70 AND 5-19-75

NOTE: BASED ON [illegible]

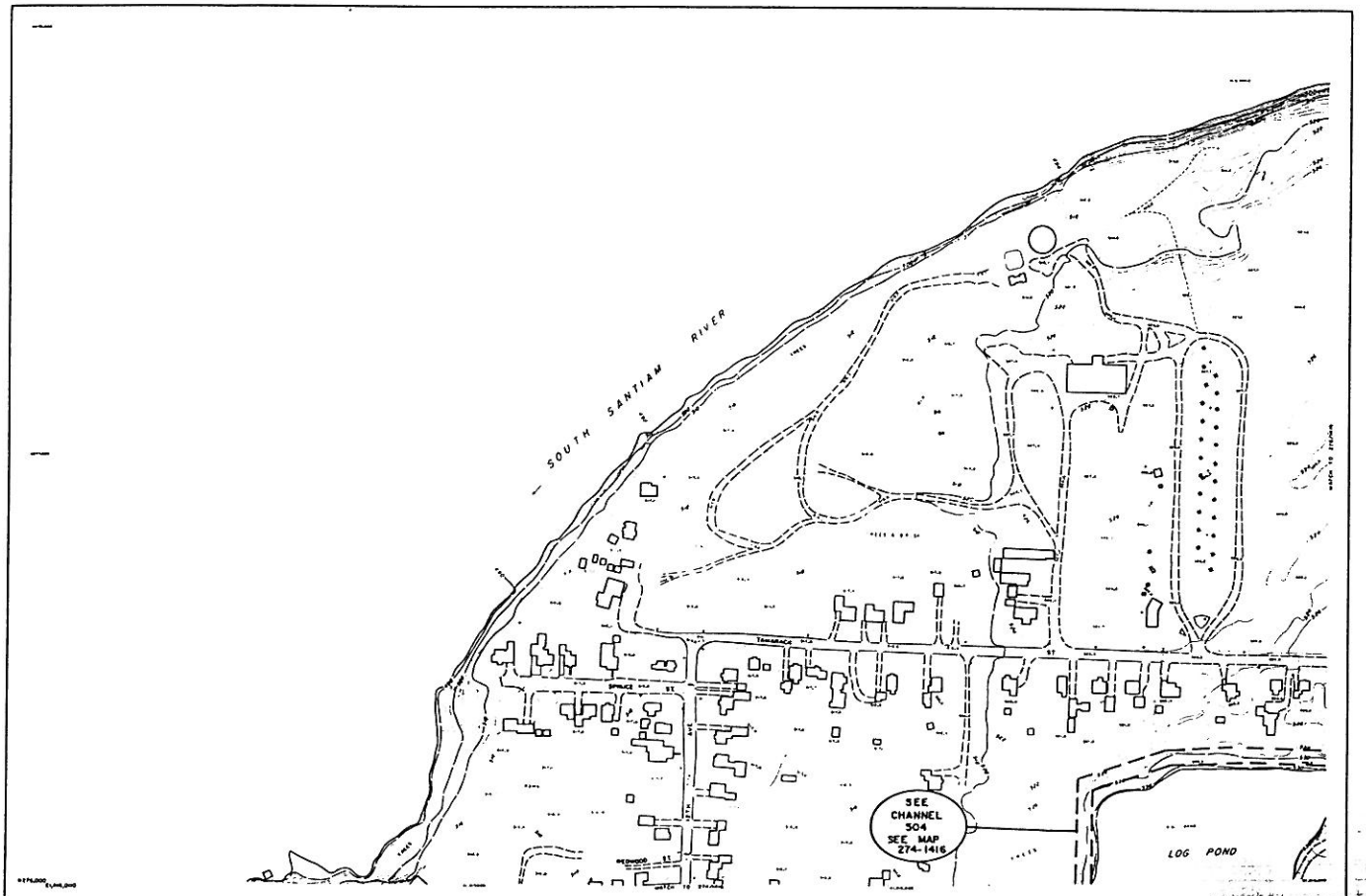
REV	BY	DESCRIPTION	DATE

UNCHARTED DATUM JOINT ADJUSTMENT
UNIVERSAL TRANSVERSE MERCATOR PROJECTION
OREGON NORTH ZONE

CITY OF SWEET HOME
PUBLIC WORK DEPARTMENT
SWEET HOME, OREGON

SHEET NO. 270/1413

FILE NO.



PREPARED BY THE OFFICE OF H.S. CHOLSTRANS JR. CONSULTING PHOTOGRAMMETRIST INC EUGENE, OREGON

COMPILED FROM AERIAL PHOTOGRAPHY DATED 12-17-70

NOTE: BASIC CONTROL WAS OBTAINED USING [illegible] ACCURACY [illegible] FEET IN THE [illegible] STANDARD

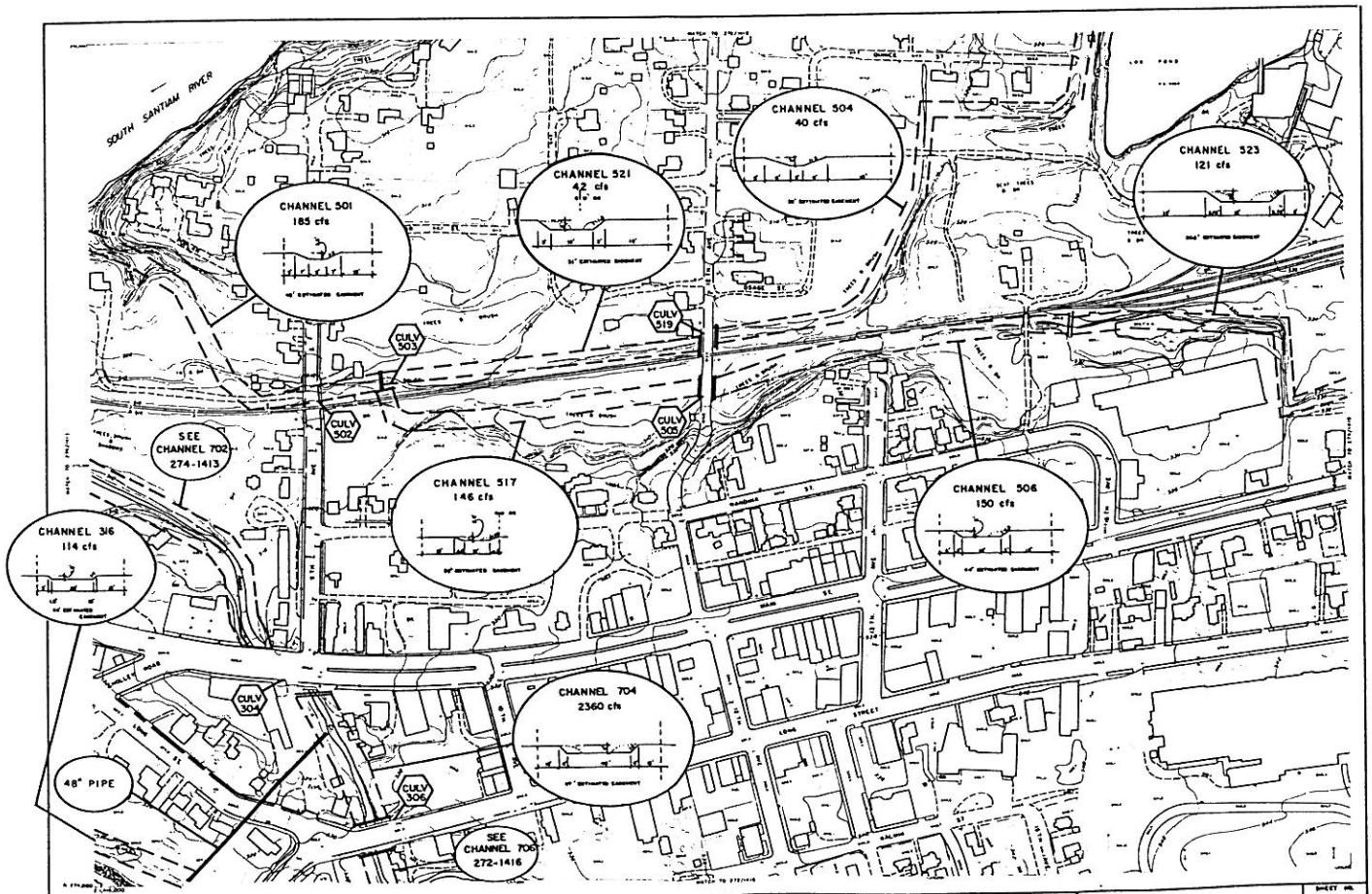
REV	BY	DESCRIPTION	DATE

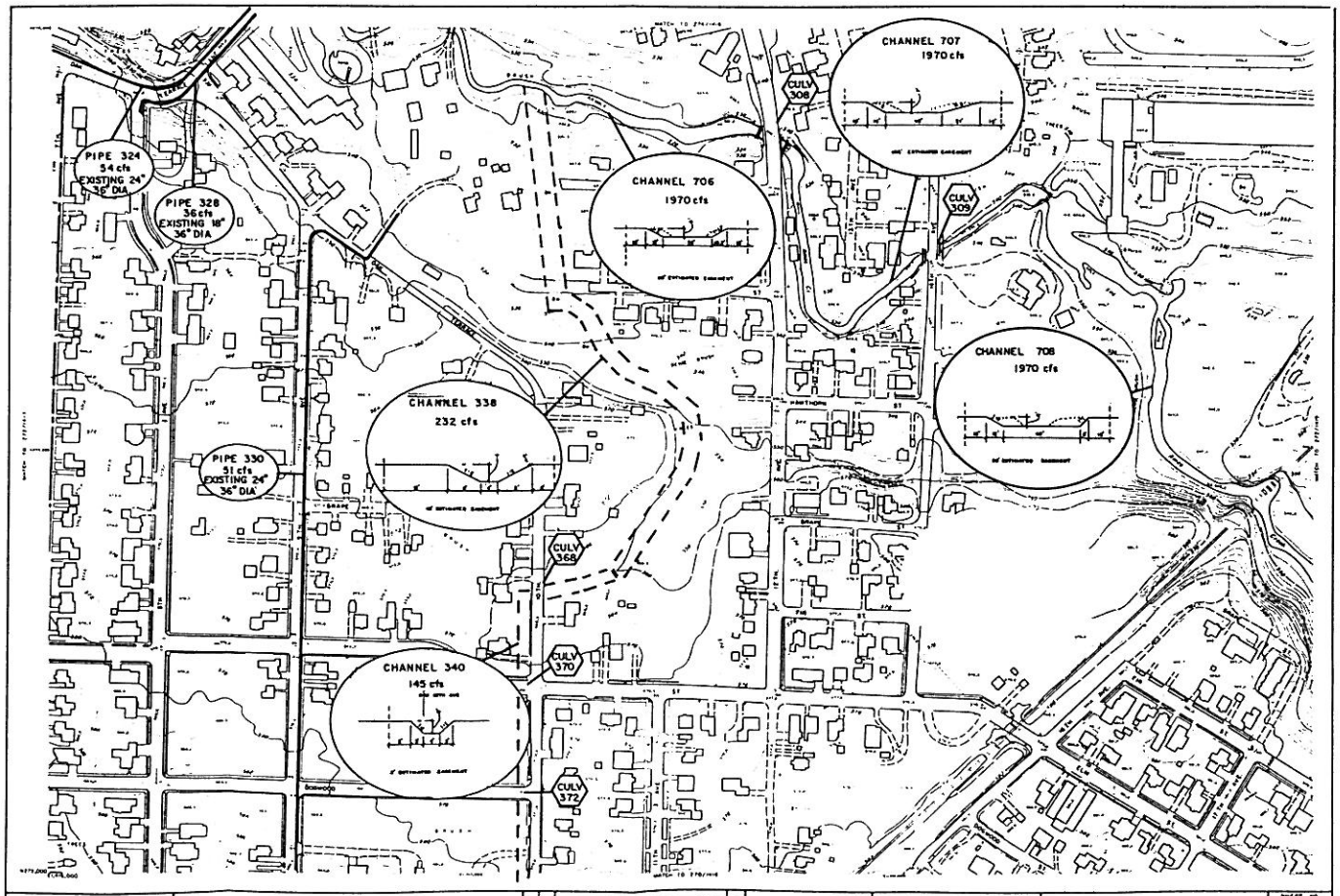
UTC & GS DATUM 1947 ADJUSTMENT BASED ON LAMBERT PROJECTION OREGON NORTH ZONE

CITY OF SWEET HOME
PUBLIC WORK DEPARTMENT
SWEET HOME, OREGON

SHEET NO. 276/1416

PLAT PAGE NO.


SOUTH SANTIAM RIVER
CHANNEL 501
185 cfs
CHANNEL 521
42 cfs
CHANNEL 504
40 cfs
CHANNEL 523
121 cfs
CULV 503
CULV 519
CULV 502
CULV 505
SEE CHANNEL 702 274-1413
CHANNEL 517
146 cfs
CHANNEL 506
150 cfs
CHANNEL 316
114 cfs
CULV 304
CHANNEL 704
2360 cfs
48" PIPE
CULV 306
SEE CHANNEL 706 272-1416
274-1416



PREPARED BY THE OFFICE OF H.G. CHICKERING JR., CONSULTING PHOTOGRAMMETRIST INC. EUGENE, OREGON

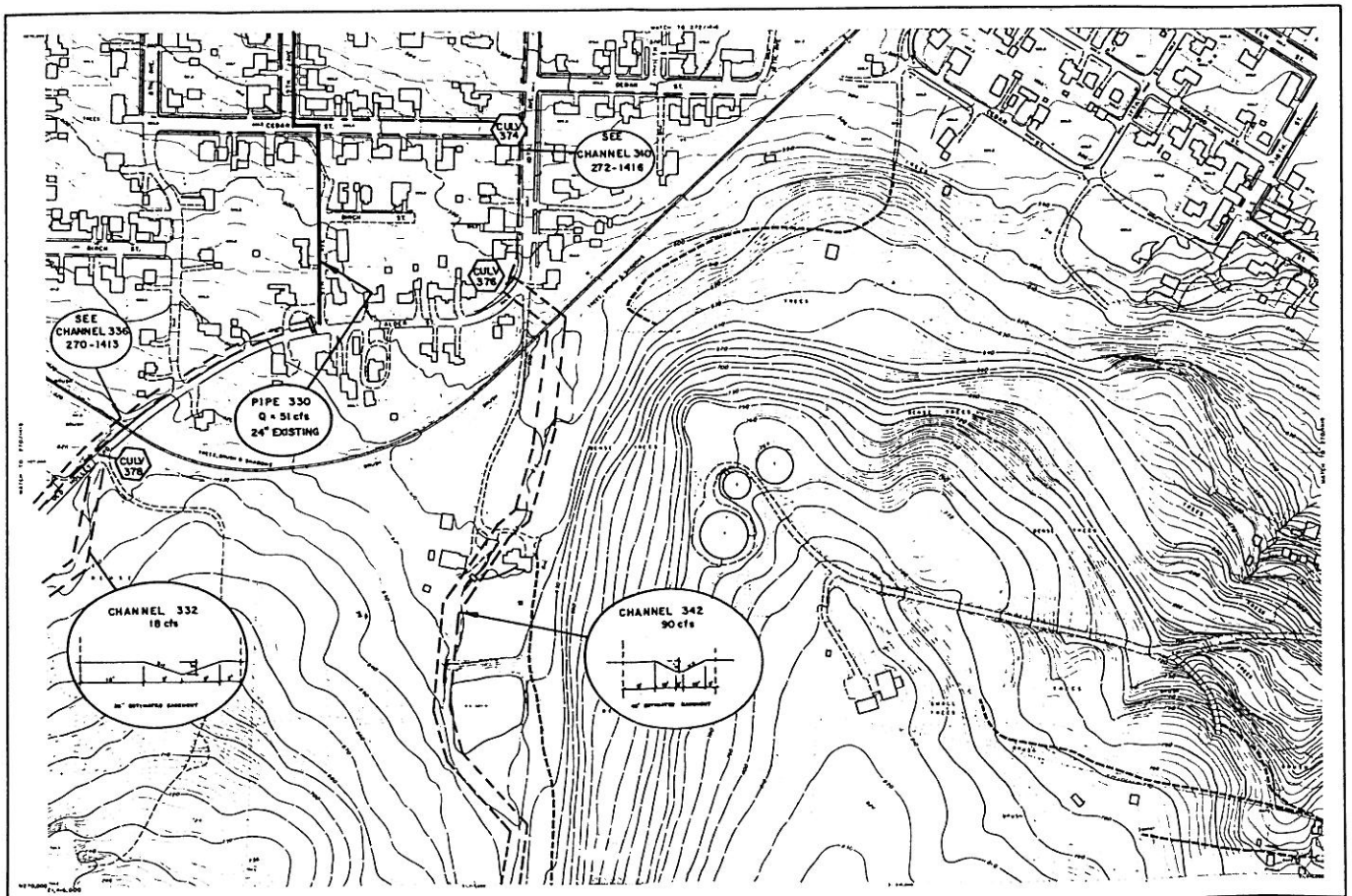
COMPILED FROM AERIAL PHOTOGRAPHY DATED

REV	BY	DESCRIPTION	DATE

USC & GS DATUM 1947 ADJUSTMENT
GRID BASED ON LAMBERT PROJECTION
OREGON NORTH ZONE

SHEET NO. 272-1416

PLAT FILE NO.



PREPARED BY CHICKERING-SHEEN ENGINEERS, INC. EUGENE, OREGON

COMPILED FROM AERIAL PHOTOGRAPHY DATED 12-17-70 AND 3-18-79

NOTE: SHOWN CONTOURS ARE INDICATE 1.25 FEET EXCEPT FOR NEAR SHORELINE

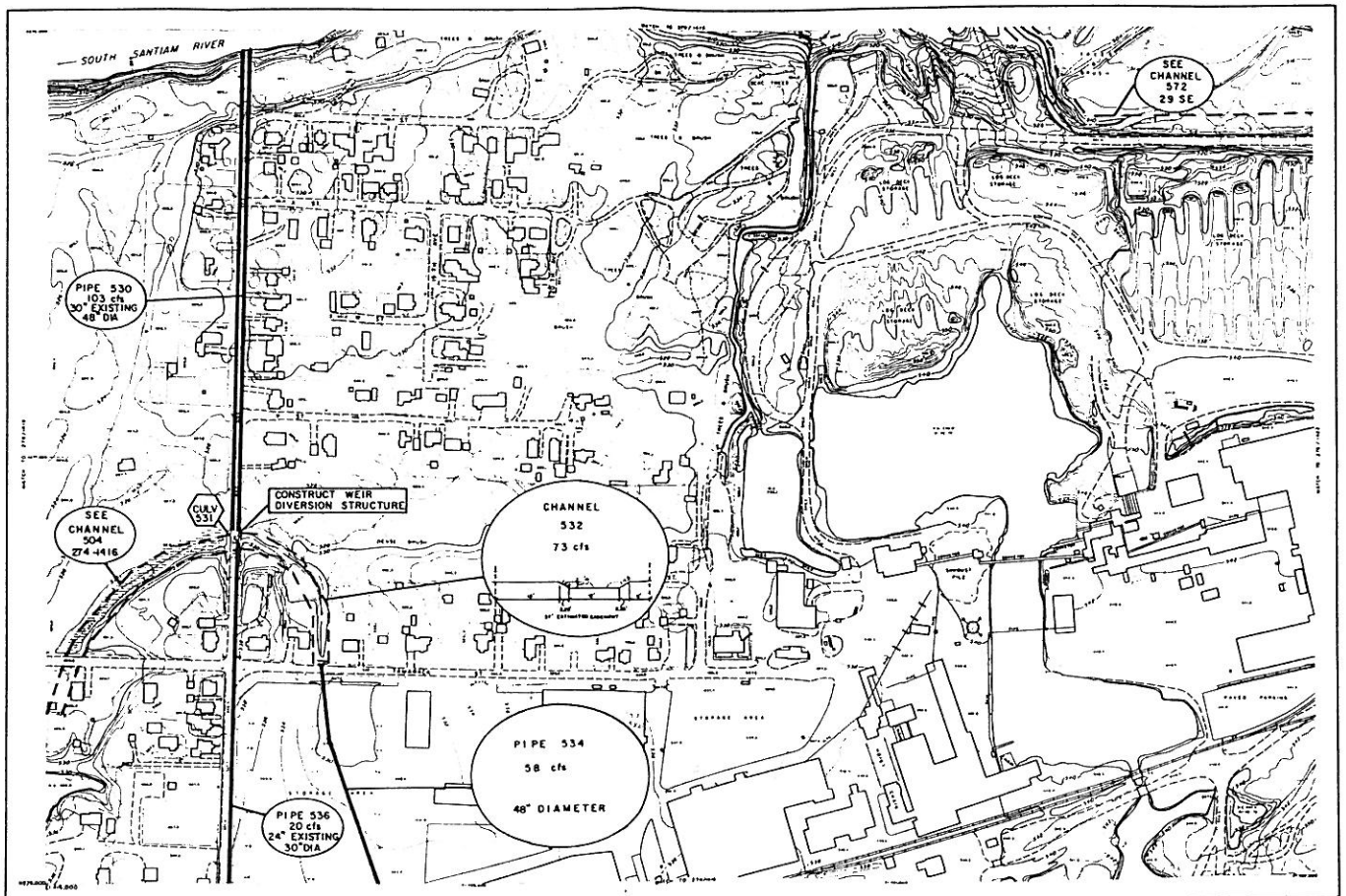
REV	BY	DESCRIPTION	DATE

HRC 9-85 DATUM 1947 ADJUSTMENT
SPC BASED ON LAMBERT PROJECTION
OREGON NORTH ZONE

CITY OF SWEET HOME
PUBLIC WORK DEPARTMENT
SWEET HOME, OREGON

SHEET NO. 270/1416

PLAT FILE NO.



PREPARED BY CHICKERING GREEN EMPME INC EUGENE OREGON

COMPILED FROM AERIAL PHOTOGRAPHY DATED 12-17-78 AND 3-19-79

NOTE: DERIVED CONTOURS MAY INDICATE LESS THAN EXISTING MEASURE, DUE TO DENSE STANDING COVER AND HEAVY SHADOWS

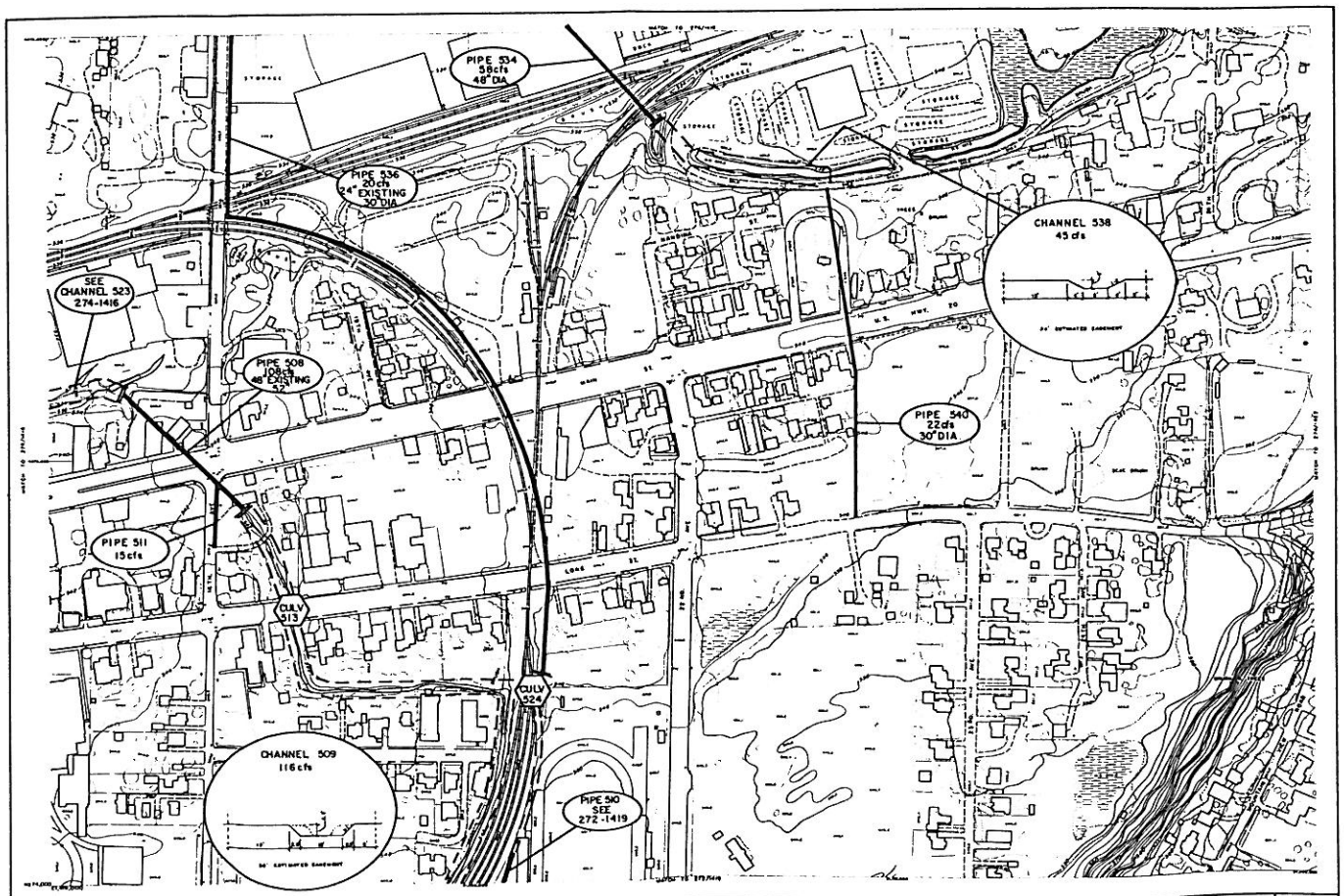
REV	BY	DESCRIPTION	DATE

USC & GS DATUM 1947 ADJUSTMENT WAS BASED ON LAMBERT PROJECTION OREGON NORTH ZONE

CITY OF SWEET HOME
PUBLIC WORK DEPARTMENT
SWEET HOME OREGON

SHEET NO 276/1419

FLAT FILE NO



PREPARED BY CONTERRA-GREEN
EUGENE, INC.
EUGENE, OREGON

COMPILED FROM AERIAL PHOTOGRAPHY DATED
12-17-70 AND 3-18-79

NOTE: SEWER CONTOURS MAY INDICATE LESS THAN
STORMWATER ACCURACY. DUE TO THE THE STREAM
CONFIG AND HEAVY SHADOWS

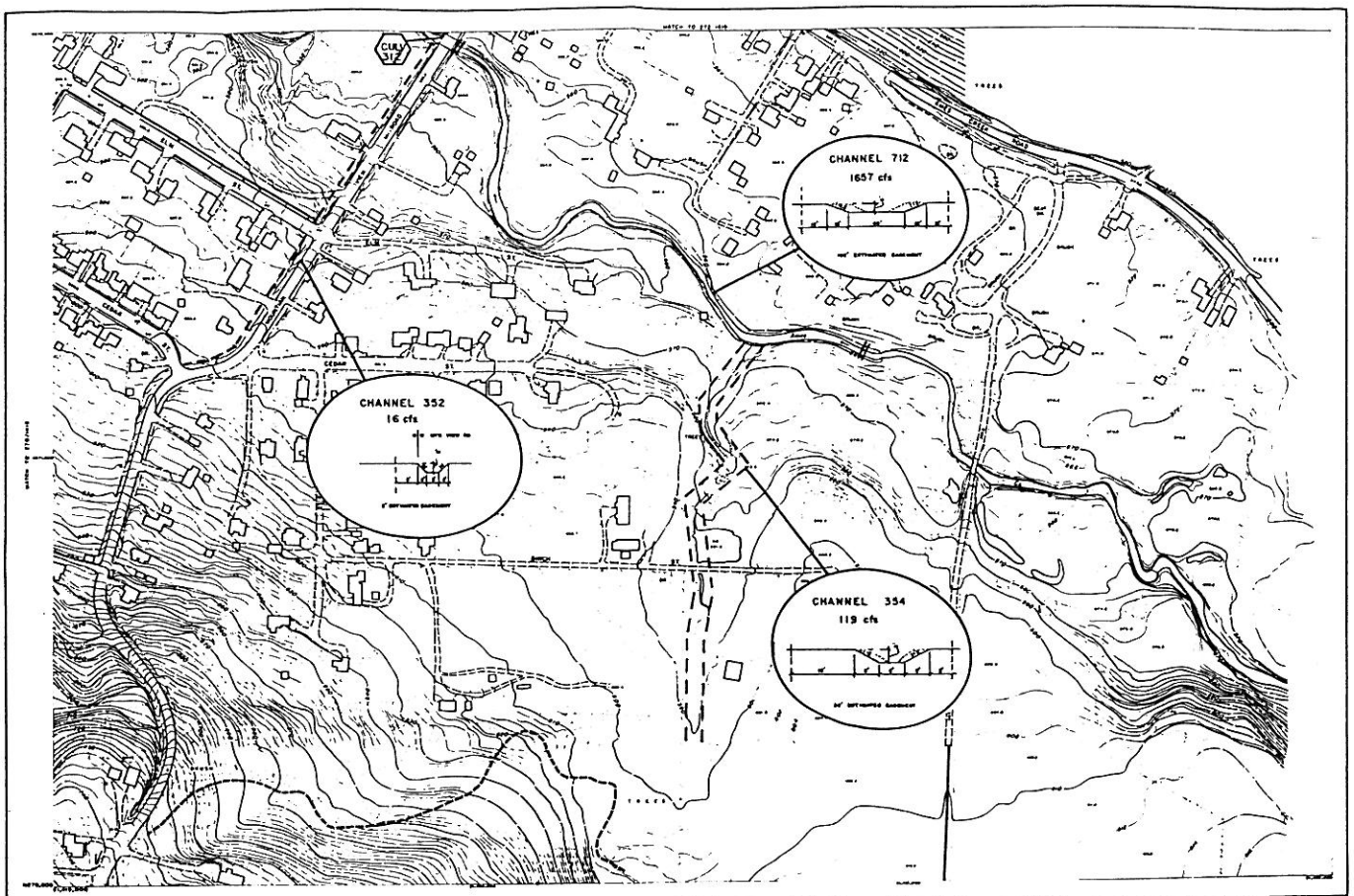
REV. BY	DESCRIPTION	DATE

UTC 0.00 DATUM 1947 ADJUSTMENT
2010 BASED ON LAMBERT PROJECTION
OREGON NORTH ZONE

CITY OF SWEET HOME
PUBLIC WORK DEPARTMENT
SWEET HOME, OREGON

SHEET NO. 274/1419

PLAT FILE NO.



PREPARED BY CHASE-PINE-GREEN ENPINE, INC. EUGENE, OREGON

COMPILED FROM AERIAL PHOTOGRAPHY DATED 12-17-70 AND 3-10-70

NOTE: DASHED CONTOURS WERE INTERPOLATED USING THREE DIMENSIONAL PROJECTION OF 10 FOOT CONTOURS. LINEAR TRUE HEIGHT DIMENSIONS.

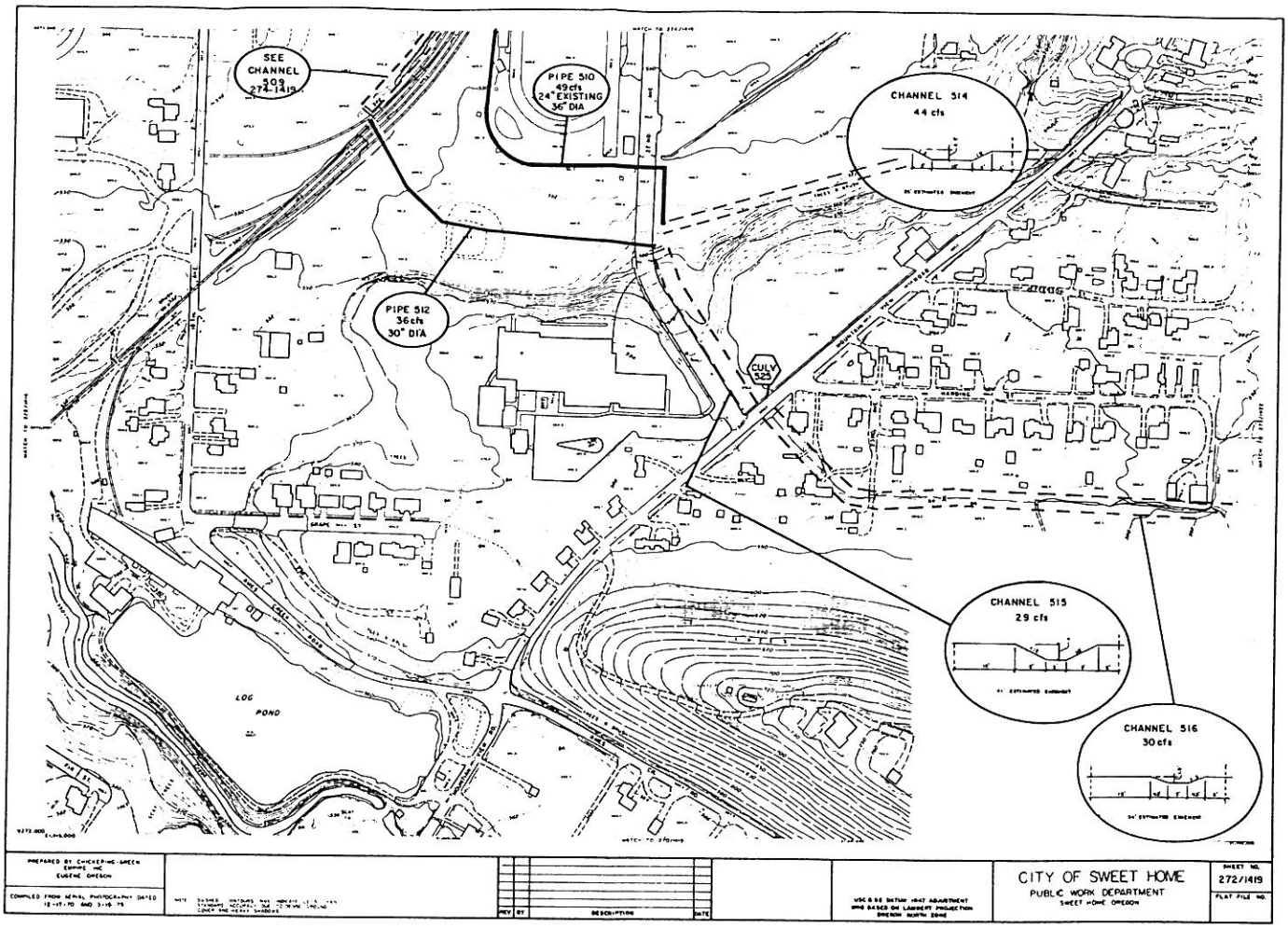
REV.	BY	DESCRIPTION	DATE

UTM & AS DATUM 1927 ADJUSTMENT BASED ON LAMBERT PROJECTION OREGON NORTH ZONE

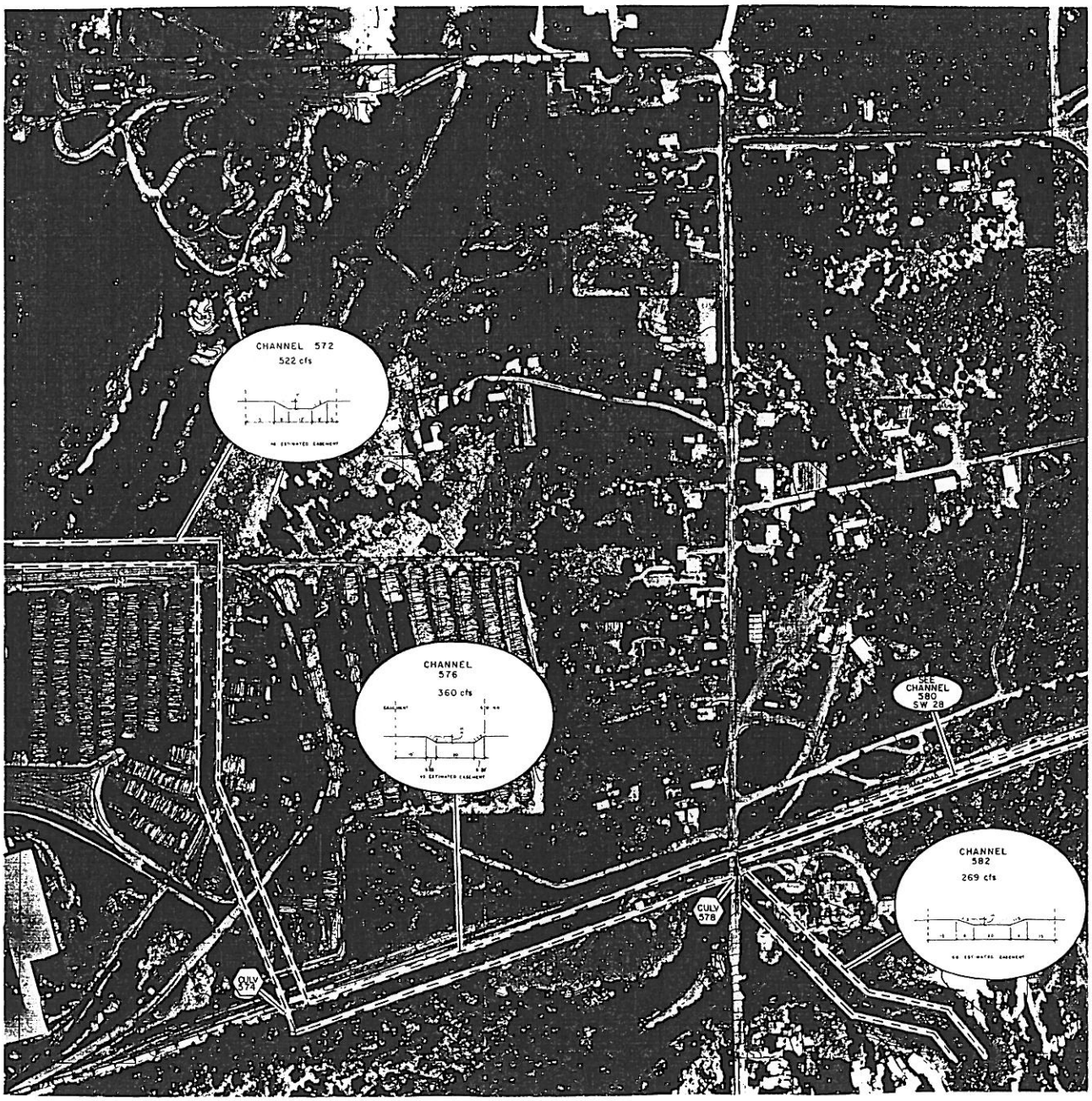
CITY OF SWEET HOME
PUBLIC WORK DEPARTMENT
SWEET HOME, OREGON

SHEET NO. 270/1419

PLAT FILE NO.



PREPARED BY CHICKERING-GREEN ENGINEERS EUGENE OREGON		REV BY DESCRIPTION DATE		USC & GS DATUM 1947 ADJUSTMENT GRID BASED ON LAMBERT PROJECTION OREGON NORTH ZONE	CITY OF SWEET HOME PUBLIC WORK DEPARTMENT SWEET HOME OREGON	SHEET NO. 272/1419 FLAT FILE NO.
COMPILED FROM AERIAL PHOTOGRAPHY DATED 12-17-70 AND 3-16-79						



SHEET INDEX

TOPOGRAPHY COMPILED BY PHOTO-GRAMMETRIC METHODS FROM AERIAL PHOTOGRAPHY DATED JULY 13 1978

ORTHOPHOTO COMPILED BY SANTOM-ORTHOPHOTO SIMPLEX

PLANE GRID COORDINATES ARE BASED UPON THE OREGON STATE SYSTEM NORTH ZONE

CONTROL CHEM HILL

CHEM HILL

ORTHOPHOTOCONTOUR MAP

CITY OF SWEET HOME OREGON

FOSTER MIDWAY AREA

S.E. 1/4 SECTION 29

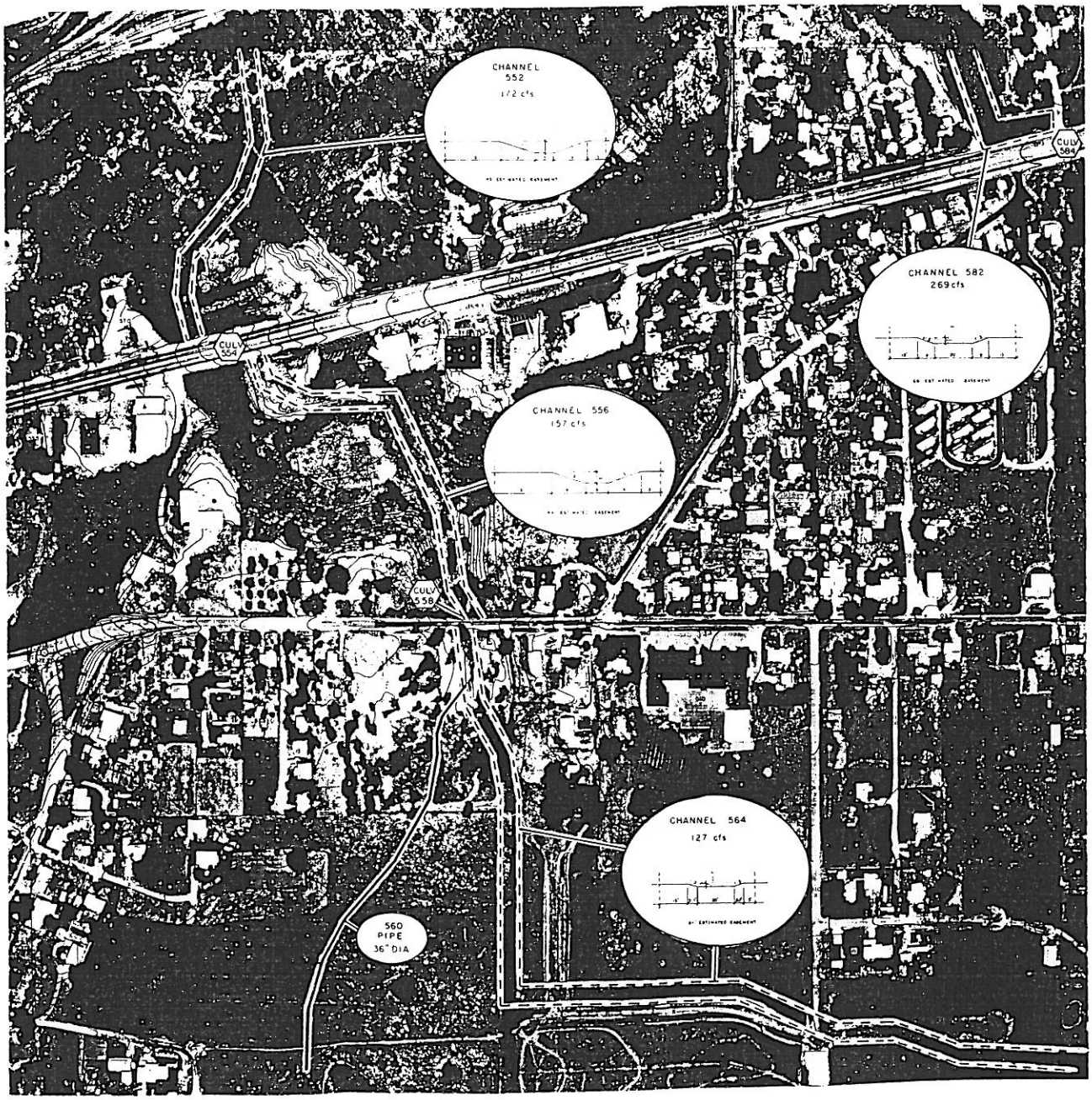
T.15S R.1E W.M.

SCALE 1:1000 CONTOUR INTERVAL 2

JOB NO. C-8178-01

DATE AUGUST 1978

SHEET NO.



TOPOGRAPHY COMPILED BY PHOTO GRAMMETRIC METHODS FROM AERIAL PHOTOGRAPHY DATED JULY 12 1979

ORTHOPHOTO COMPILED BY SANTONI ORTHOPHOTO SUPPLIES

PLANE GRID COORDINATES ARE BASED UPON THE OREGON STATE SYSTEM NORTH ZONE

CONTROL CH2M HILL

CH2M HILL

ORTHOPHOTOCONTOUR MAP

CITY OF SWEET HOME, OREGON

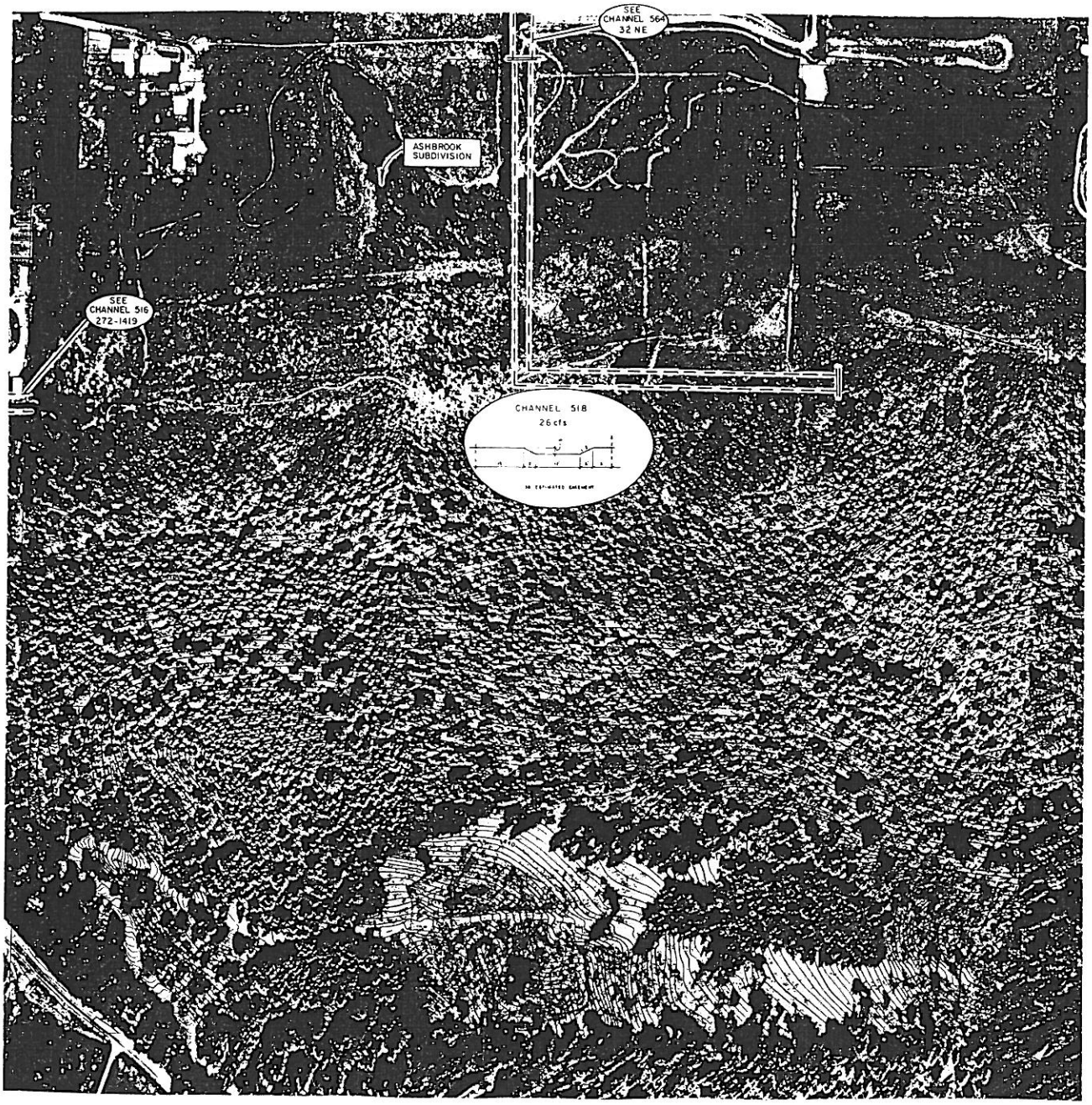
HUNTER MIDWAY AREA

N E 1/4 SECTION 32

T 15S, R 1E, WM

SCALE 1"=100' CONTOUR INTERVAL 2'

JOB NO	C 8176 A1
DATE	AUGUST 1976
SHEET NO	



SHEET INDEX

SCALE 1:100

TOPOGRAPHY COMPILED BY PHOTO GRAMMETRIC METHODS FROM AERIAL PHOTOGRAPHY DATED JULY 13 1976

ORTHOPHOTO COMPILED BY SANTORI ORTHOPHOTO SIMPLEX

PLANE GRID COORDINATES ARE BASED UPON THE OREGON STATE SYSTEM NORTH ZONE

CONTROL CHEW HILL

CHEW HILL

ORTHOPHOTOCONTOUR MAP

CITY OF SWEET HOME OREGON

FOSTER HIGHWAY AREA

S E 1/4 SECTION 32

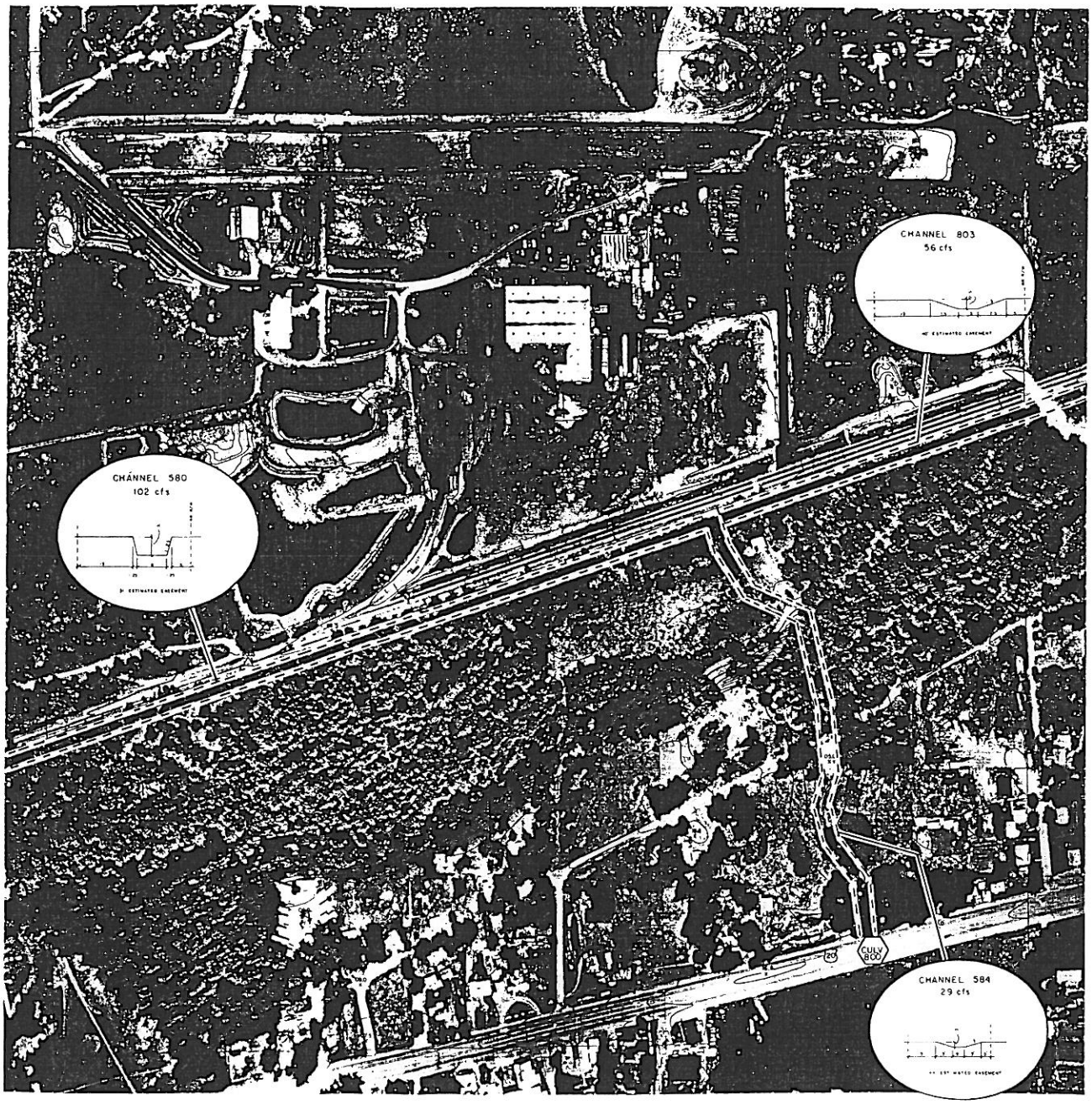
T15S R1E WM

SCALE 1:100 CONTOUR INTERVAL 2

JOB NO. C 8176-81

DATE JULY 1977

SHEET NO.



SHEET INDEX

TOPOGRAPHY COMPILED BY PHOTO GRAMMETRIC METHODS FROM AERIAL PHOTOGRAPHY DATED JULY 15 1976

ORTHOPHOTO COMPILED BY SENTONI ORTHOPHOTO SIMPLEX

PLANE GRID COORDINATES ARE BASED UPON THE OREGON STATE SYSTEM NORTH ZONE

CONTROL CH2M HILL

CH2M HILL

ORTHOPHOTOCONTOUR MAP

CITY OF SWEET HOME OREGON

FOSTER MIDWAY AREA

S W 1/4 SECTION 28

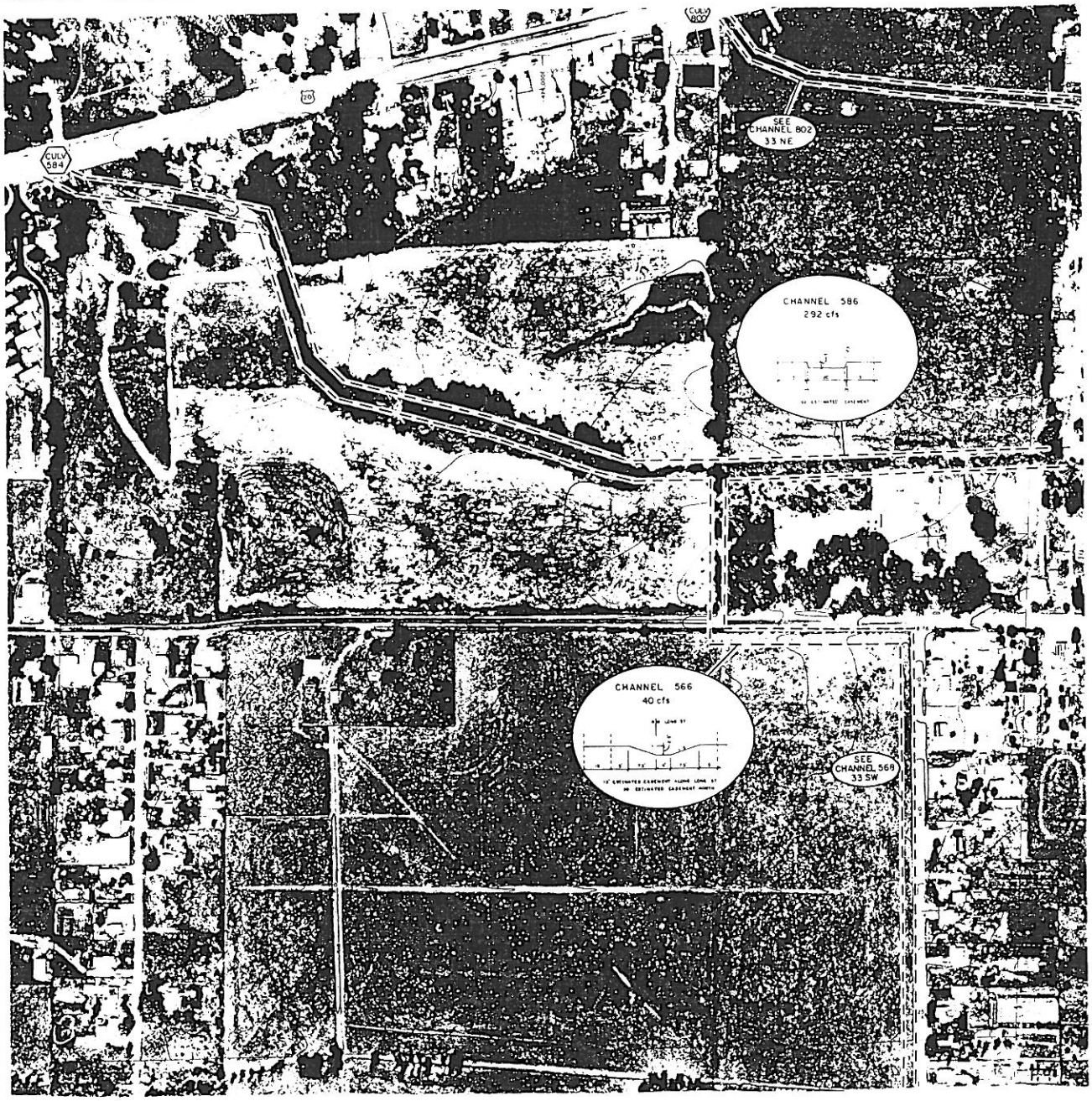
T 15 S R 1 W

SCALE 1"=100' CONTOUR INTERVAL 2

JOB NO. C 81/8 A1

DATE AUGUST 1976

SHEET NO.



TOPOGRAPHY COMPILED BY PHOTO GRAMMETRIC METHODS FROM AERIAL PHOTOGRAPHY DATED

ORTHOPHOTO COMPILED BY SANTONI ORTHOPHOTO SAMPLES

PLANE GRID COORDINATES ARE BASED UPON THE OREGON STATE SYSTEM NORTH ZONE

CONTROL CHOW NO.

ORTHOPHOTOCONTOUR MAP

CITY OF SWEET HOME OREGON

FOSTER MOBILE AREA

SCALE 1:100 CONTOUR INTERVAL 2

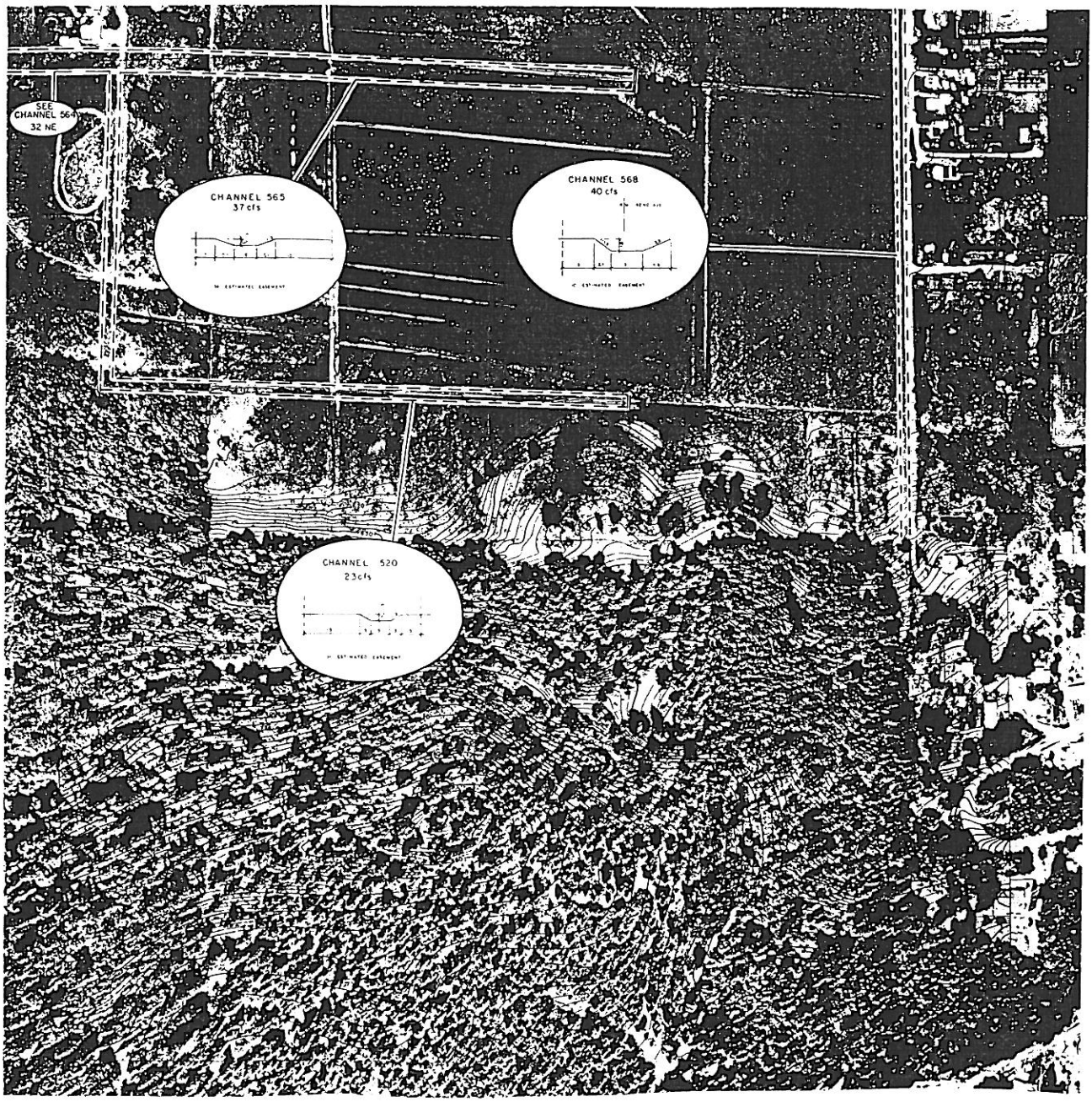
JOB NO.

DATE

SHEET NO.

SHEET NO.

CHEM TREE



SHEET INDEX

TOPOGRAPHY COMPILED BY PHOTO
GRAMMETRIC METHODS FROM AERIAL
PHOTOGRAPHY DATED JULY 13, 1976

ORTHOPHOTO COMPILED BY SANTORI
ORTHOPHOTO SAMPLER

PLANE GRID COORDINATES ARE BASED
UPON THE OREGON STATE SYSTEM
NORTH ZONE

CONTROL CITY HALL

CH2M HILL

ORTHOPHOTOCONTOUR MAP

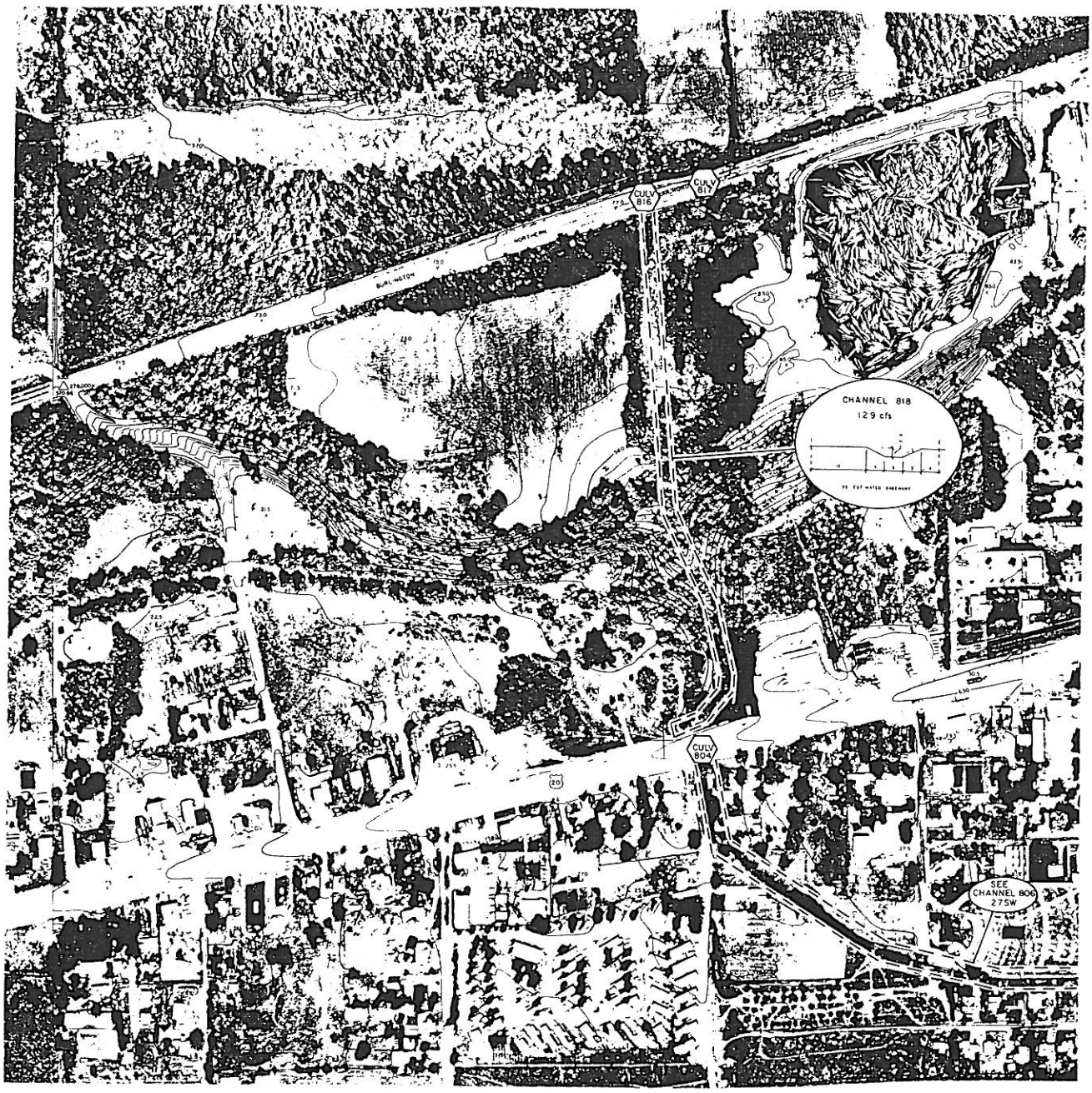
CITY OF SWEET HOME, OREGON

POSTON HIGHWAY AREA

S W 1/4 SECTION 33
T 13S, R 4E, WM

SCALE 1"=100' CONTOUR INTERVAL 2'

JOB NO	C 8176 B1
DATE	JULY 1977
SHEET NO	



AERIAL PHOTO CONTOUR MAP

CITY OF SWEET HOME, OREGON

FOSTER DAMSITE AREA

S.E. 1/4 SECTION 28

T12S, R1E, WM

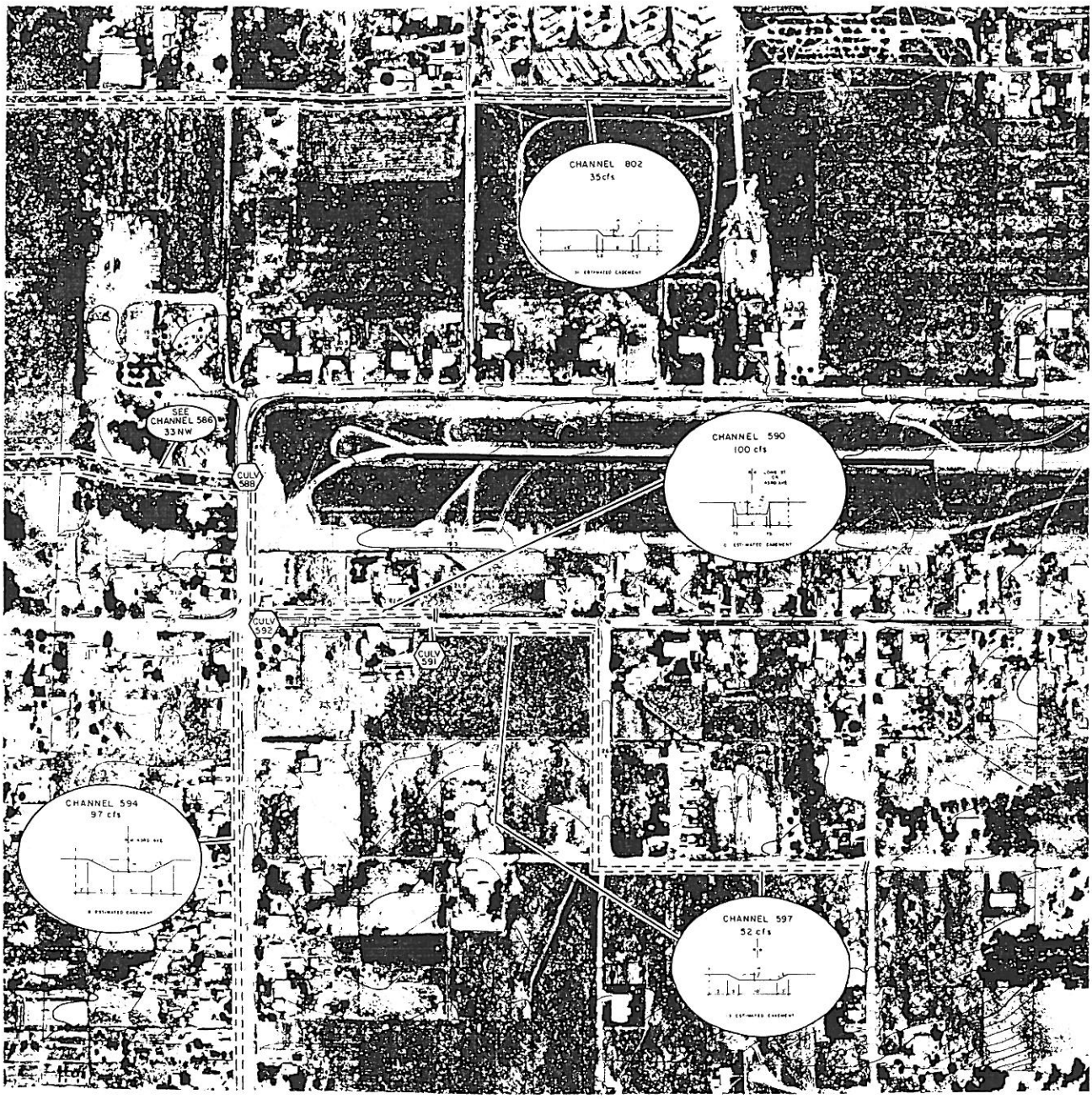
SCALE: 1"=100'

CONTOUR INTERVAL: 2'

JOB NO. C 8676.A1

DATE AUGUST 1976

SHEET NO.



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CITY OF SWEET HOME, OREGON