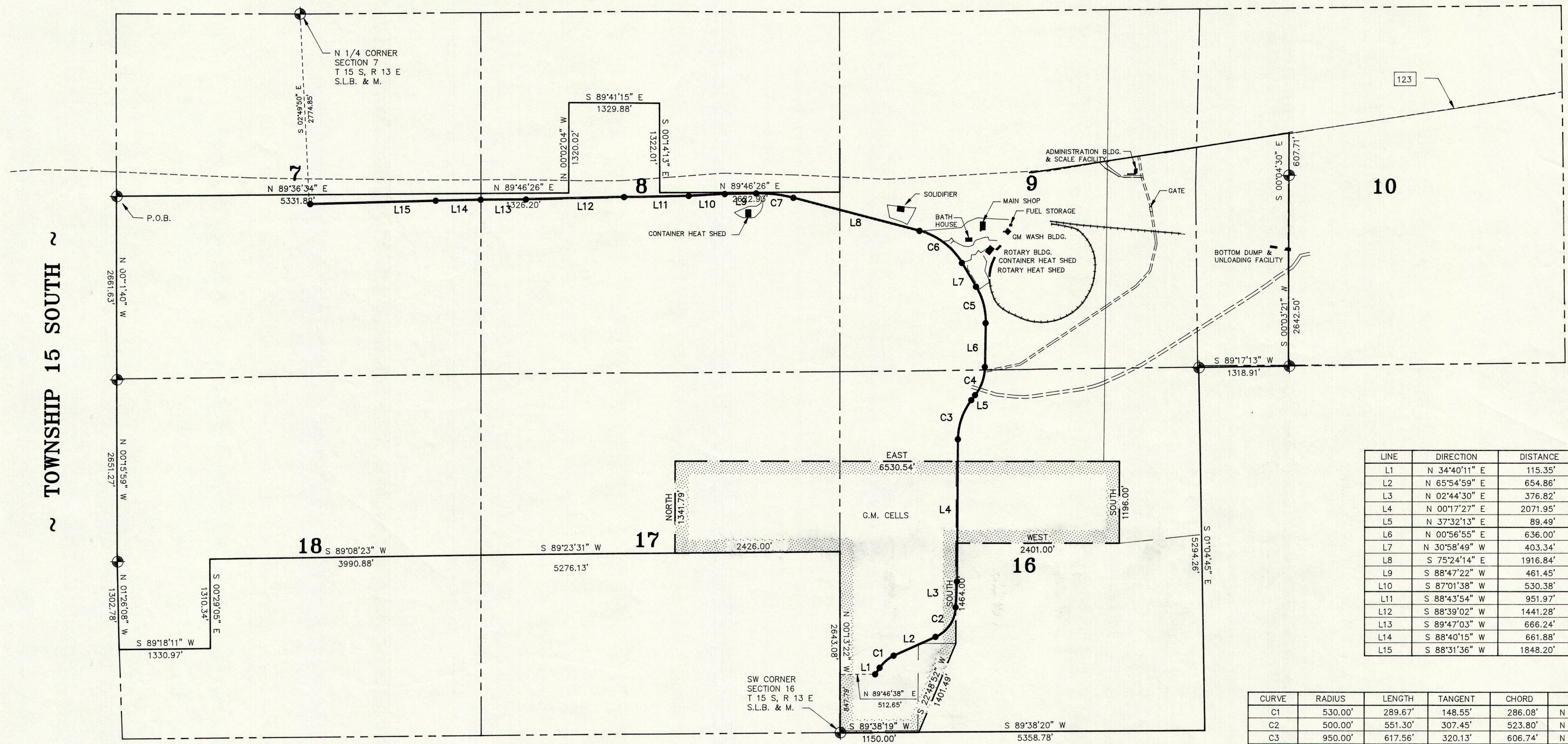


~ RANGE 13 EAST ~



LINE	DIRECTION	DISTANCE
L1	N 34°40'11" E	115.35'
L2	N 65°54'59" E	654.86'
L3	N 02°44'30" E	376.82'
L4	N 00°17'27" E	2071.95'
L5	N 37°32'13" E	89.49'
L6	N 00°56'55" E	636.00'
L7	N 30°58'49" W	403.34'
L8	S 75°24'14" E	1916.84'
L9	S 88°47'22" W	461.45'
L10	S 87°01'38" W	530.38'
L11	S 88°43'54" W	951.97'
L12	S 88°39'02" W	1441.28'
L13	S 89°47'03" W	666.24'
L14	S 88°40'15" W	661.88'
L15	S 88°31'36" W	1848.20'

CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	530.00'	289.67'	148.55'	286.08'	N 50°19'38" E	31°18'54"
C2	500.00'	551.30'	307.45'	523.80'	N 34°19'45" E	63°10'29"
C3	950.00'	617.56'	320.13'	606.74'	N 18°54'50" E	37°14'45"
C4	700.00'	447.01'	231.42'	439.45'	N 19°14'34" E	36°35'18"
C5	1000.00'	557.26'	286.07'	550.08'	N 15°00'57" W	31°55'44"
C6	1030.00'	798.60'	420.58'	778.74'	N 53°11'31" W	44°25'25"
C7	2000.00'	551.75'	277.64'	550.01'	N 83°18'26" W	15°48'24"

BOUNDARY DESCRIPTION

LAND LOCATED IN TOWNSHIP 15 SOUTH, RANGE 13 EAST, SALT LAKE BASE AND MERIDIAN. BEGINNING AT THE WEST QUARTER CORNER OF SECTION 7, TOWNSHIP 15 SOUTH, RANGE 13 EAST, SALT LAKE BASE AND MERIDIAN; AND RUNNING THENCE NORTH 89°36'34" EAST, 5331.82 FEET TO THE EAST QUARTER CORNER OF SAID SECTION 7; THENCE NORTH 89°46'26" EAST, 1326.20 FEET TO THE SOUTHWEST CORNER OF THE SE 1/4 OF THE NW 1/4 OF SECTION 8; THENCE NORTH 0°02'04" EAST, 1320.02 FEET; THENCE SOUTH 89°41'15" EAST, 1329.88 FEET; THENCE SOUTH 0°14'13" EAST, 1322.01 FEET TO THE CENTER OF SECTION 8; THENCE NORTH 89°46'26" EAST, 2622.93 FEET TO THE EAST QUARTER CORNER OF SECTION 8; THENCE NORTH TO THE SOUTH RIGHT-OF-WAY LINE OF STATE HIGHWAY NO. 123; THENCE NORTHEASTERLY ALONG THE SOUTH RIGHT-OF-WAY LINE OF STATE HIGHWAY NO. 123 TO THE EAST LINE OF SECTION 9; THENCE NORTHEASTERLY ON THE SOUTH RIGHT-OF-WAY LINE OF STATE HIGHWAY NO. 123 TO THE EAST LINE OF THE SW 1/4 OF THE NW 1/4 OF SECTION 10; THENCE SOUTH 0°04'30" EAST, 607.71 FEET TO THE SOUTHWEST CORNER OF THE SW 1/4 OF THE NW 1/4 OF SECTION 10; THENCE SOUTH 0°03'21" WEST, 2642.50 FEET TO THE SOUTHWEST CORNER OF THE SW 1/4 OF THE SW 1/4 OF SECTION 10; THENCE SOUTH 89°17'13" WEST, 1318.91 FEET TO THE NORTHEAST CORNER OF SECTION 16; THENCE SOUTH 1°04'45" EAST, 5294.26 FEET TO THE SOUTHWEST CORNER OF SECTION 16; THENCE SOUTH 89°38'20" WEST, 5358.78 FEET TO THE SOUTHWEST CORNER OF SECTION 16; THENCE NORTH 0°13'22" WEST, 2426.00 FEET TO THE WEST QUARTER CORNER OF SECTION 16; THENCE SOUTH 89°23'31" WEST, 5276.13 FEET TO THE WEST QUARTER CORNER OF SECTION 17; THENCE SOUTH 89°08'23" WEST, 3990.88 FEET TO THE NORTHEAST CORNER OF THE NW 1/4 OF THE SW 1/4 OF SECTION 18; THENCE SOUTH 0°29'05" EAST, 1310.34 FEET; THENCE SOUTH 89°18'11" WEST, 1330.97 FEET TO THE SOUTHWEST CORNER OF THE NW 1/4 OF SECTION 18; THENCE NORTH 1°26'08" WEST, 1302.78 FEET TO THE WEST QUARTER CORNER OF SECTION 18; THENCE NORTH 0°15'59" WEST, 2651.27 FEET TO THE SOUTHWEST CORNER OF SECTION 7; THENCE NORTH 0°11'40" WEST, 2662.63 FEET TO THE POINT OF BEGINNING.

DESCRIPTION TO GM FOR CELLS 5, 9, 10, AND 14

PARCEL OF LAND LOCATED IN CARBON COUNTY, STATE OF UTAH, WHICH IS IN SECTION 16 AND 17, TOWNSHIP 15 SOUTH, RANGE 13 EAST, SALT LAKE BASE AND MERIDIAN, AND BEING MORE PARTICULARLY DESCRIBED ACCORDING TO THE FOLLOWING COURSES AND DISTANCES, TO-WIT:

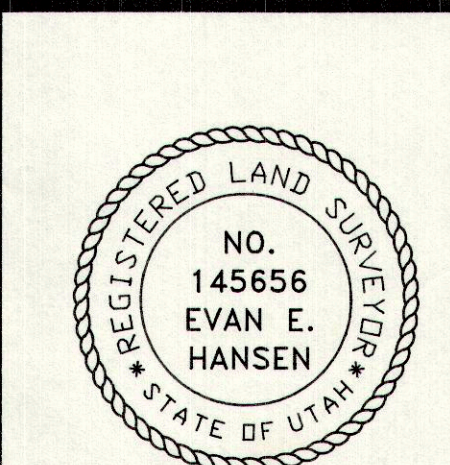
BEGINNING AT THE SOUTHWEST CORNER OF SECTION 16, TOWNSHIP 15 SOUTH, RANGE 13 EAST, SALT LAKE BASE AND MERIDIAN; AND RUNNING THENCE NORTH 0°13'22" WEST, 2643.08 FEET ALONG THE SECTION LINE TO THE WEST QUARTER CORNER OF SAID SECTION 16; THENCE SOUTH 89°23'31" WEST, 2426.00 FEET ALONG THE CENTER OF SECTION LINE OF SAID SECTION 17; THENCE NORTH, 1341.79 FEET; THENCE EAST, 6530.54 FEET; THENCE SOUTH 1196.00 FEET; THENCE WEST, 2401.00 FEET; THENCE SOUTH, 1464.00 FEET; THENCE SOUTH 22°48'52" WEST, 1401.49 FEET TO THE SOUTH LINE OF SAID SECTION 16; THENCE SOUTH 89°38'19" WEST, 1150.00 FEET ALONG THE SECTION LINE TO THE POINT OF BEGINNING.

CONTAINS 286.22 ACRES, MORE OR LESS.

ENGINEER'S CERTIFICATE

I, EVAN E. HANSEN, DO HEREBY CERTIFY THAT I AM A REGISTERED LAND SURVEYOR AND PROFESSIONAL ENGINEER HOLDING CERTIFICATE NO. 145656 AS PRESCRIBED UNDER THE LAWS OF THE STATE OF UTAH. I FURTHER CERTIFY THAT I HAVE MADE A SURVEY OF THE TRACT OF GROUND SHOWN AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

Evan E. Hansen DATE DEC. 16, 1997
EVAN E. HANSEN DATE



Empire Engineering & Land Surveying
1665 E. Sagewood Rd. Price, Utah 84501 Phone (801) 637-7498

Property Survey For:
ECDC BOUNDARY AND SITE SURVEY

Drawn By: THK Approved By: EEH Drawing No. EEPS-299D
Date: 11/18/97 Scale: 1" = 800'