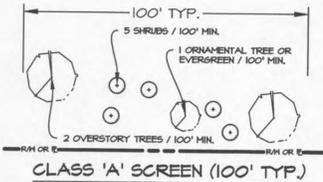


NORTHGATE WEST ANKENY, IOWA

JERRY'S HOMES, INC., - 10430 NEW YORK AVE., STE C URBANDALE, IOWA 50322
PHONE: 515-278-5992 - FAX: 515-278-0661 - CONTACT: JAY COWAN



RECOMMENDED TREES FOR STREET ROW PLANTINGS

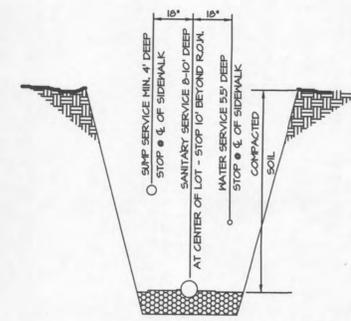
STATE STREET MAPLE
SWAMP WHITE OAK
RED SUNSET MAPLE
SKYLINE HONEY LOCUST
LITTLE LEAF LINDEN

PROPERTY OWNER:
SILVER OAK, INC.
10430 NEW YORK AVE STE C
URBANDALE, IOWA 50322
515.278.5992, FAX# 515.278.0661
CONTACT: JEFF GRUBB

PREPARED FOR:
JERRY'S HOMES, INC.
10430 NEW YORK AVE STE C
URBANDALE, IOWA 50322
515.278.5992, FAX# 515.278.0661
CONTACT: JEFF GRUBB

Sheet List Table

SHEET NUMBER	SHEET TITLE
1	COVER
2	SOUTH DIMENSION & LANDSCAPE PLAN
3	NORTH DIMENSION & LANDSCAPE PLAN
4	SOUTH GRADING & UTILITY PLAN
5	NORTH GRADING & UTILITY PLAN



SERVICE LOCATION DETAIL

NO SCALE
1. PLACE ONE 6 FOOT STEEL POST BURIED 3 FEET AT WATER CURB BOX
2. STOP ROCK BEDDING FOR SANITARY SERVICE AT THE R.O.W.

GENERAL LEGEND

- PROPOSED**
- PLAT BOUNDARY
 - SECTION LINE
 - LOT LINE
 - CENTERLINE
 - EASEMENT LINE
 - FLARED END SECTION
 - TYPE SW-501 STORM INTAKE
 - TYPE SW-502 STORM INTAKE
 - TYPE SW-503 STORM INTAKE
 - TYPE SW-504 STORM INTAKE
 - TYPE SW-505 STORM INTAKE
 - TYPE SW-506 STORM INTAKE
 - TYPE SW-511 STORM INTAKE
 - TYPE SW-512 STORM INTAKE
 - TYPE SW-513 STORM INTAKE
 - TYPE SW-401 STORM MANHOLE
 - TYPE SW-402 STORM MANHOLE
 - TYPE SW-403 STORM MANHOLE
 - TYPE SW-301 SANITARY MANHOLE
 - TYPE SW-302 SANITARY MANHOLE
 - TYPE SW-304 SANITARY MANHOLE
 - STORM/SANITARY CLEANOUT
 - WATER VALVE
 - FIRE HYDRANT ASSEMBLY
 - BLOW-OFF HYDRANT
 - DETECTABLE WARNING PANEL
 - SAN^{12"} SANITARY SEWER WITH SIZE
 - SAN SANITARY SERVICE
 - ST^{18"} STORM SEWER WITH SIZE
 - ST STORM SERVICE
 - W^{8"} WATER SEWER WITH SIZE
 - W WATER SERVICE
 - 926 PROPOSED CONTOUR
 - X-X SILT FENCE
 - 1234 RIP RAP
 - ADDRESS

- EXISTING**
- LOT LINE
 - SANITARY/STORM MANHOLE
 - WATER VALVE
 - FIRE HYDRANT
 - STORM SEWER SINGLE INTAKE
 - STORM SEWER DOUBLE INTAKE
 - STORM SEWER ROUND INTAKE
 - FLARED END SECTION
 - DECIDUOUS TREE
 - CONIFEROUS TREE
 - SHRUB
 - POWER POLE
 - STREET LIGHT
 - GUY ANCHOR
 - ELECTRIC TRANSFORMER
 - GAS METER
 - TELEPHONE RISER
 - SIGN
 - CATV --- UNDERGROUND TELEVISION
 - UGE --- UNDERGROUND ELECTRIC
 - G --- UNDERGROUND GAS
 - UGFO --- UNDERGROUND FIBER OPTIC
 - UGT --- UNDERGROUND TELEPHONE
 - OHW --- OVERHEAD ELECTRIC
 - SAN^{8"} --- SANITARY SEWER WITH SIZE
 - ST^{18"} --- STORM SEWER WITH SIZE
 - W^{8"} --- WATER MAIN WITH SIZE
 - 926 EXISTING CONTOUR
 - TREELINE
 - B.S.L. BUILDING SETBACK LINE
 - P.U.E. PUBLIC UTILITY EASEMENT
 - M.O.E. MINIMUM OPENING ELEVATION
 - 922 --- FEMA 100-YR FLOOD ELEVATION

NOTES

- LOTS A-O & Q SHALL BE DEDICATED TO THE CITY OF ANKENY FOR STREET RIGHT-OF-WAY.
- OUTLOT 'Z' SHALL BE CONVEYED TO THE CITY FOR FLOODWAY AND STORM WATER DETENTION USES.
- NO RESIDENTIAL LOTS SHALL HAVE DIRECT ACCESS TO NE 54TH STREET.
- BUFFER REQUIREMENTS AND 5' SIDEWALK ALONG THE NE 54TH STREET ARE TO BE INSTALLED WITH PLAT PUBLIC IMPROVEMENTS FOR LOTS I-O.
- OUTLOTS 'X' & 'Y' SHALL BE USED FOR STORM WATER DETENTION, STORM SEWER & OVERLAND FLOWAGE. THESE LOTS ARE TO BE OWNED AND MAINTAINED BY THE HOME OWNERS ASSOCIATION.
- LOT 'P' SHALL BE DEDICATED TO THE CITY FOR PARK LAND USE. TRUNCATED DOMES ARE TO BE PROVIDED AT ALL SIDEWALK RAMPS.

CURRENT ZONING
R-2 & R-3 RESTRICTED TO SINGLE-FAMILY DETACHED RESIDENTIAL HOUSING.

FLOOD ZONE DESIGNATION
FEMA FLOOD INSURANCE RATE MAP,
PANEL 140101-0034-B REVISED MARCH 1, 1984

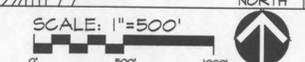
BENCHMARK
BURY BOLT ON HYDRANT @ THE NW CORNER OF NE HILLCREST DRIVE & NE 55TH STREET
ELEVATION = 451.170
BURY BOLT ON HYDRANT @ THE NW CORNER OF NE HILLCREST DRIVE & NE 56TH STREET
ELEVATION = 450.810

ZONING REQUIREMENTS
R-2 MINIMUM REQUIREMENTS
AREA - 8,500 S.F. (ONE FAMILY)
WIDTH - 70' MIN. (8' SETBACK LINE)
FRONT YARD SETBACK - 30'
SIDE YARD SETBACK - 7' / 15' TOTAL FOR ONE STORY
8' / 11' TOTAL FOR MORE THAN ONE STORY
REAR YARD SETBACK - 35' FOR CHURCH AND SCHOOL
35'

R-3 MINIMUM REQUIREMENTS
AREA - 8,000 S.F. (ONE FAMILY)
WIDTH - 65' MIN. (ONE FAMILY)
FRONT YARD SETBACK - 30'
SIDE YARD SETBACK - SAME AS R-2
REAR YARD SETBACK - 35'
BOTH R-2 & R-3 ZONING SHALL BE RESTRICTED TO SINGLE-FAMILY DETACHED RESIDENTIAL HOUSING.

LEGAL DESCRIPTION

A PARCEL OF LAND IN THE SE1/4 & SW1/4 OF SECTION 36, TOWNSHIP 18 NORTH, RANGE 24 WEST OF THE 5TH P.M., CITY OF ANKENY, POLK COUNTY, IOWA THAT IS MORE PARTICULARLY DESCRIBED AS FOLLOWS:
BEGINNING AT THE NW CORNER OF NORTHGATE PLAT 2, AN OFFICIAL PLAT RECORDED IN BOOK 14854, PAGE 134 AT THE POLK COUNTY RECORDER'S OFFICE;
THENCE N75°00'00"W, 240.00 FEET ALONG THE NORTH LINE OF SAID NORTHGATE PLAT 2 TO THE NW CORNER OF LOT 'A' OF SAID NORTHGATE PLAT 2, SAID NW CORNER ALSO BEING ON THE WEST RIGHT-OF-WAY LINE OF NE HILLCREST DRIVE AS IT IS PRESENTLY ESTABLISHED;
THENCE S85°00'00"W, 105.04 FEET ALONG SAID NORTH LINE AND SAID WEST RIGHT-OF-WAY LINE TO THE NE CORNER OF LOT 'D' OF SAID NORTHGATE PLAT 2;
THENCE S84°15'32"W, 420.43 FEET ALONG SAID NORTH LINE TO THE NW CORNER OF SAID NORTHGATE PLAT 2;
THENCE S00°00'00"E, 185.00 FEET ALONG THE WEST LINE OF SAID NORTHGATE PLAT 2 TO THE SW CORNER OF LOT 'B' OF SAID NORTHGATE PLAT 2, SAID SW CORNER ALSO BEING ON THE SOUTH RIGHT-OF-WAY LINE OF NE 57TH STREET AS IT IS PRESENTLY ESTABLISHED;
THENCE N84°15'32"E, 22.00 FEET ALONG SAID WEST LINE AND SAID SOUTH RIGHT-OF-WAY LINE TO THE NW CORNER OF LOT 'C' OF SAID NORTHGATE PLAT 2;
THENCE S00°00'00"E, 125.00 FEET ALONG SAID WEST LINE AND THE WEST LINE OF SAID LOT 'C' TO THE SW CORNER OF SAID NORTHGATE PLAT 2 AND SAID LOT 'C', SAID SW CORNER ALSO BEING THE NW CORNER OF NORTHGATE PLAT 1, AN OFFICIAL PLAT RECORDED IN BOOK 14446, PAGE 104 AT THE POLK COUNTY RECORDER'S OFFICE;
THENCE S00°00'00"E, 185.00 FEET ALONG THE WEST LINE OF SAID NORTHGATE PLAT 1 TO THE SW CORNER OF LOT 'D' OF SAID NORTHGATE PLAT 1, SAID SW CORNER ALSO BEING ON THE SOUTH RIGHT-OF-WAY LINE OF NE 57TH STREET AS IT IS PRESENTLY ESTABLISHED;
THENCE N84°15'32"E, 316 FEET ALONG SAID WEST LINE AND SAID SOUTH RIGHT-OF-WAY LINE TO THE NE CORNER OF LOT 'E' OF SAID NORTHGATE PLAT 1;
THENCE S00°00'00"E, 250.00 FEET ALONG SAID WEST LINE TO THE SW CORNER OF LOT 'D' OF SAID NORTHGATE PLAT 1, SAID SW CORNER ALSO BEING ON THE NORTH RIGHT-OF-WAY LINE OF NE 55TH STREET AS IT IS PRESENTLY ESTABLISHED;
THENCE S84°15'32"W, 102.64 FEET ALONG SAID WEST LINE AND SAID NORTH RIGHT-OF-WAY LINE TO THE NW CORNER OF LOT 'F' OF SAID NORTHGATE PLAT 1;
THENCE S00°00'00"E, 222.22 FEET ALONG SAID WEST LINE TO SW CORNER OF SAID NORTHGATE PLAT 1;
THENCE CONTINUING S00°00'00"E, 17.00 FEET TO THE SW CORNER OF LOT 'D' OF SAID NORTHGATE PLAT 1, SAID SW CORNER ALSO BEING ON THE NORTH RIGHT-OF-WAY LINE OF NE 54TH STREET AS IT IS PRESENTLY ESTABLISHED;
THENCE S84°15'32"W, 368.45 FEET ALONG SAID NORTH RIGHT-OF-WAY LINE TO A POINT ON THE EAST LINE OF SAID NE 54TH STREET;
THENCE N00°00'12"W, 57.00 FEET ALONG THE EAST LINE OF SAID NE 54TH STREET TO THE NE CORNER OF THE ACQUISITION PLAT, AN OFFICIAL PLAT RECORDED IN BOOK 6323, PAGE 471 AT THE POLK COUNTY RECORDER'S OFFICE;
THENCE N84°15'34"W, 466.71 FEET ALONG THE NORTH LINE OF SAID ACQUISITION PLAT TO A POINT;
THENCE N00°00'22"E, 80.00 FEET ALONG SAID NORTH LINE TO A POINT;
THENCE N84°15'34"W, 600.00 FEET ALONG SAID NORTH LINE TO A POINT;
THENCE S00°00'22"W, 80.00 FEET ALONG SAID NORTH LINE TO A POINT;
THENCE N84°15'34"W, 80.00 FEET ALONG SAID NORTH LINE TO THE NW CORNER OF SAID ACQUISITION PLAT, SAID NW CORNER ALSO BEING ON THE EAST LINE OF SAID NE 54TH STREET AND SAID ACQUISITION PLAT RECORDED IN BOOK 13944, PAGE 404 AT THE POLK COUNTY RECORDER'S OFFICE;
THENCE N00°00'20"E, 128.74 FEET ALONG THE EAST LINE OF SAID NE 54TH STREET AND SAID PARCEL 'C' TO THE NE CORNER OF SAID WEST 6 ACRES OF SE1/4 SW1/4 AND SAID PARCEL 'C', SAID NE CORNER ALSO BEING THE SE CORNER OF THE WEST 6 ACRES OF SE1/4 SW1/4 OF SAID SECTION 36;
THENCE N00°00'30"E, 192.31 FEET ALONG THE EAST LINE OF SAID WEST 6 ACRES OF THE SE1/4 SW1/4 TO A POINT ON THE NORTH LINE OF SAID SECTION 36;
THENCE N84°15'32"E, 136.76 FEET ALONG THE NORTH LINE OF SAID SECTION 36 TO THE CENTER OF SAID SECTION 36; THENCE S00°00'12"E, 134.00 FEET ALONG THE EAST LINE OF SAID SECTION 36 TO THE NW CORNER OF THE SE1/4 SW1/4 OF SAID SECTION 36;
THENCE N84°15'34"E, 1306.70 FEET ALONG THE NORTH LINE OF SAID SW1/4 SW1/4 TO THE NE CORNER OF SAID SW1/4 SW1/4;
THENCE N84°15'34"E, 20.14 FEET ALONG THE NORTH LINE OF SAID SECTION 36 TO A POINT;
THENCE S85°00'00"W, 282.07 FEET TO THE POINT OF BEGINNING AND CONTAINING 88.406 ACRES.



CERTIFICATION

	I HEREBY CERTIFY THAT THIS LAND SURVEYING DOCUMENT WAS PREPARED AND THE RELATED SURVEY WORK WAS PERFORMED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF IOWA. JEFFREY A. GADDIS, IOWA LICENSE NO. 18381 DATE MY LICENSE RENEWAL DATE IS DECEMBER 31, 2016 PAGES OR SHEETS COVERED BY THIS SEAL: SHEETS 1 - 3
	I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA. MELISSA M. HILLS, IOWA REG. NO. 16023 DATE MY LICENSE RENEWAL DATE IS DECEMBER 31, 2017 PAGES OR SHEETS COVERED BY THIS SEAL:

Civil Engineering Consultants, Inc.
2400 86th Street, Unit 12, Des Moines, Iowa 50322
515.276.4884, Fax: 515.276.7084, mail@cecinc.com

CEC

DATE: 12/16/2016
12/22/2016
DATE OF SURVEY: 11/20/2013
DESIGNED BY: MEL
DRAWN BY: CH

NORTHGATE WEST
ANKENY, IOWA

COVER

SHEET 1 OF 5

E-1653

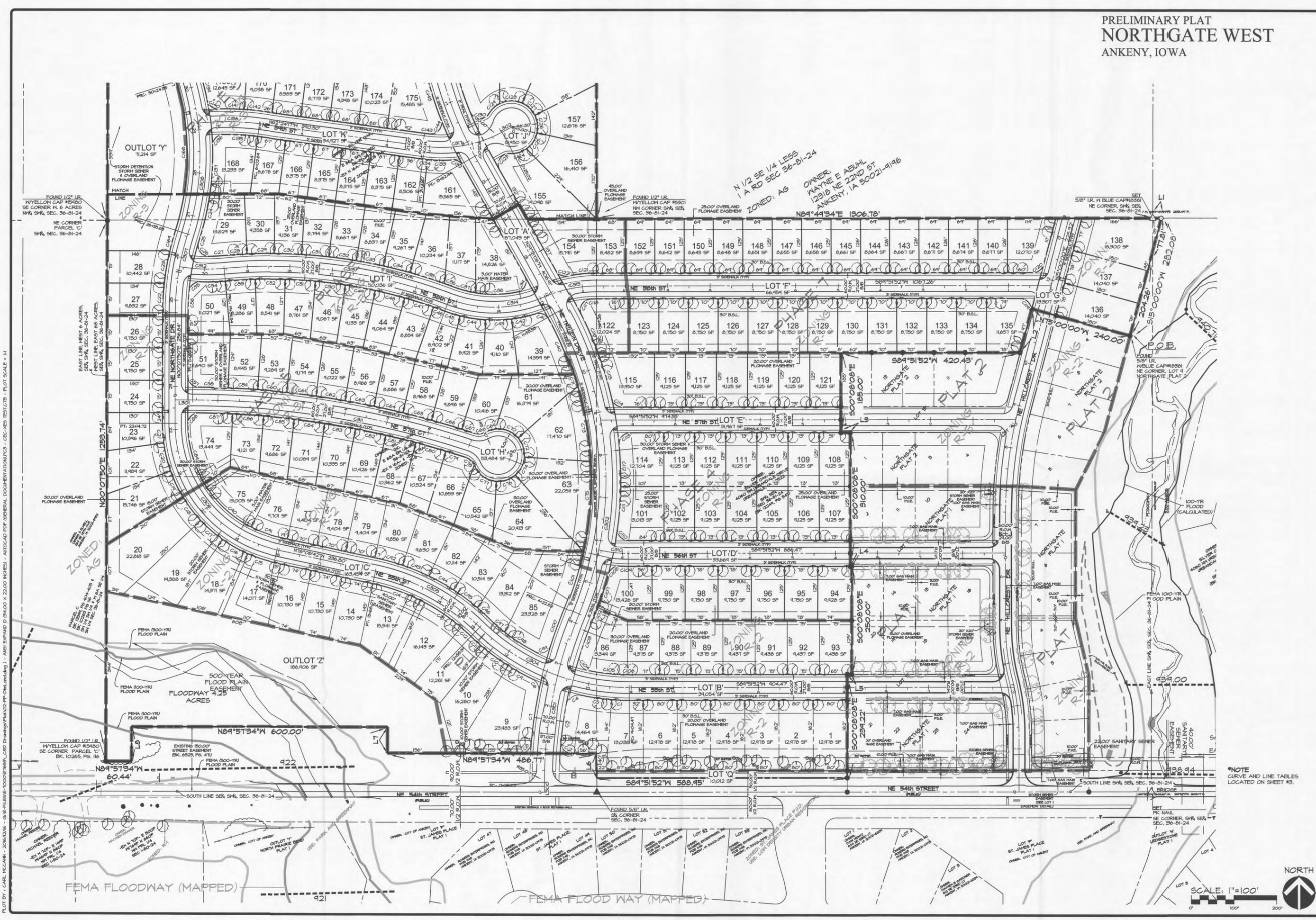
PRELIMINARY PLAT
NORTHGATE WEST
 ANKENY, IOWA

Civil Engineering Consultants, Inc.
 2400 86th Street, Unit 12, Des Moines, Iowa 50322
 515.276.4884 · Fax: 515.276.7084 · mail@cecinc.com

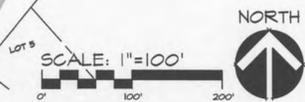


DATE:	12/16/2016
DATE OF SURVEY:	11/20/2015
DESIGNED BY:	MEI
DRAWN BY:	CEI

NORTHGATE WEST
 ANKENY, IOWA
SOUTH DIMENSION & LANDSCAPE PLAN



NOTE
 CURVE AND LINE TABLES
 LOCATED ON SHEET #3.



PLAT BY: CARL MCCANN - 2016/02/16 - G:\E-FILES\1000\1000-030-Drawing\1000-030-Drawing.dwg - ANSI EXPAND D (34.00 X 22.00 INCHES) - AUTOCAD PLOT (GENERAL DOCUMENTATION)P3 - CEC-NIS-TEST.CTB - PLOT SCALE = 1:1

PRELIMINARY PLAT
NORTHGATE WEST
ANKENY, IOWA

Civil Engineering Consultants, Inc.
2400 86th Street, Unit 12, Des Moines, Iowa 50322
515.276.4884 Fax: 515.276.7084 mail@ceclic.com



DATE: 12/16/2016
DATE OF SURVEY: 11/20/2013
DESIGNED BY: MEL
DRAWN BY: CMT

NORTHGATE WEST
ANKENY, IOWA

SHEET
3
OF
5
E-7653

OWNER: SCOTT A O'MARA
2310 5TH AVE
SAN DIEGO, CA 92101-1611
EX N 208.25F W 208.25F - W/2 NW/4
LESS 5.43A RD SEC 36-81-24
ZONED: AG

OWNER: MAYNIE E ABUHL
12318 NE 22ND ST
ANKENY, IA 50021-9196
S 1/4 E 1/2 NW 1/4
SEC 36-81-24
ZONED: AG

OWNER: MAYNIE E ABUHL
12318 NE 22ND ST
ANKENY, IA 50021-9196
S 1/4 NE 1/4 LESS 26A RD
SEC 36-81-24 - EX PARCEL A
ZONED: AG



PARCEL CURVE DATA

CURVE	DELTA	RADIUS	LENGTH	TANGENT	CHORD	CH BEARING
C1	4°29'22"	530.00'	41.53'	20.77'	41.52'	N81°53'27"W
C2	4°29'22"	530.00'	41.53'	20.77'	41.52'	N81°53'27"W
C3	5°14'42"	465.00'	88.34'	44.20'	88.31'	S08°08'19"W
C4	9°13'40"	250.00'	34.45'	25.64'	35.84'	S56°32'33"W
C5	1°50'14"	530.00'	73.74'	36.43'	73.68'	N81°34'36"W
C6	16°40'28"	250.00'	33.51'	14.62'	31.06'	N26°45'15"W
C7	6°45'24"	1035.00'	122.05'	61.10'	121.48'	N08°16'11"E
C8	85°08'51"	250.00'	37.15'	22.47'	33.83'	N41°26'01"E
C9	7°03'20"	530.00'	65.27'	32.67'	65.22'	N61°31'44"W
C10	7°20'08"	530.00'	64.04'	34.54'	64.04'	N61°34'36"W
C11	4°30'54"	530.00'	41.76'	20.84'	41.75'	N48°22'34"W
C12	3°45'39"	410.00'	30.84'	15.43'	30.84'	N41°54'55"W
C13	14°03'44"	410.00'	115.36'	57.14'	115.07'	N56°54'36"W
C14	14°12'11"	410.00'	116.51'	58.11'	116.21'	N57°02'36"W
C15	11°21'42"	330.00'	65.44'	32.83'	65.39'	N72°27'50"W
C16	11°47'36"	330.00'	67.43'	34.08'	67.41'	N41°05'32"W
C17	11°47'36"	330.00'	67.43'	34.08'	67.41'	N41°05'32"W
C18	11°47'36"	330.00'	67.43'	34.08'	67.41'	N41°05'32"W
C19	11°47'36"	330.00'	67.43'	34.08'	67.41'	N41°05'32"W
C20	11°47'36"	330.00'	67.43'	34.08'	67.41'	N41°05'32"W
C21	7°56'38"	330.00'	45.75'	22.41'	45.72'	N03°42'38"W
C22	6°04'41"	630.00'	61.77'	33.42'	61.73'	N03°12'43"E
C23	6°55'21"	630.00'	76.12'	38.10'	76.07'</	

PRELIMINARY PLAT
NORTHGATE WEST
ANKENY, IOWA

SANI STRUCTURE TABLE	
STRUCTURE NAME	STRUCTURE DETAILS
CAP #1	RIM=964.76 INV IN = 958.78 INV OUT = 958.78
CAP #2	RIM=970.47 INV IN = 958.84 INV OUT = 958.84
CAP#3	RIM=970.02 INV IN = 960.58 INV OUT = 960.58
EX MH #2	RIM=964.99 INV OUT = 960.88
EX MH #3	RIM=970.17 INV IN = 958.83 INV IN = 958.94
MH #5	RIM=955.01 INV IN = 938.95
MH #6	RIM=957.90 INV IN = 940.10 INV IN = 940.15 INV OUT = 940.00
MH #7	RIM=959.31 INV IN = 942.04 INV IN = 941.44
MH #8	RIM=951.07 INV IN = 943.34 INV OUT = 943.24
MH #9	RIM=953.43 INV IN = 944.34 INV IN = 944.34 INV OUT = 944.24
MH #10	RIM=958.84 INV IN = 945.64 INV OUT = 945.54
MH #11	RIM=962.17 INV IN = 946.40 INV IN = 946.45 INV OUT = 946.30
MH #12	RIM=961.04 INV IN = 948.36 INV IN = 948.41 INV OUT = 948.26
MH #13	RIM=956.84 INV IN = 950.40 INV IN = 950.40 INV OUT = 950.25
MH #14	RIM=957.15 INV OUT = 951.36
MH #15	RIM=960.01 INV IN = 951.65 INV OUT = 951.55

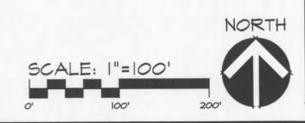
SANI STRUCTURE TABLE	
STRUCTURE NAME	STRUCTURE DETAILS
MH #16	RIM=967.05 INV IN = 954.95 INV IN = 955.05 INV OUT = 954.85
MH #17	RIM=972.99 INV OUT = 961.00
MH #18	RIM=948.58 INV IN = 931.18 INV IN = 931.23
MH #19	RIM=951.72 INV IN = 934.80 INV OUT = 934.70
MH #20	RIM=958.71 INV IN = 946.80 INV OUT = 946.70
MH #21	RIM=958.78 INV OUT = 948.48
MH #22	RIM=959.80 INV IN = 948.19 INV OUT = 948.09
MH #23	RIM=963.28 INV IN = 950.54 INV OUT = 950.44
MH #24	RIM=963.29 INV IN = 951.66 INV OUT = 951.56
MH #25	RIM=965.65 INV IN = 954.21 INV OUT = 954.11
MH #26	RIM=964.55 INV IN = 958.27 INV OUT = 958.17
MH #27	RIM=971.90 INV OUT = 961.03 INV OUT = 961.03
MH #28	RIM=973.41 INV OUT = 961.82
MH #29	RIM=960.00 INV IN = 948.10 INV IN = 948.15 INV OUT = 948.00
MH #30	RIM=966.53 INV IN = 954.71 INV OUT = 954.56
MH #31	RIM=967.70 INV IN = 957.25 INV OUT = 957.15

SANI STRUCTURE TABLE	
STRUCTURE NAME	STRUCTURE DETAILS
MH #32	RIM=962.73 INV IN = 952.14 INV OUT = 952.04
MH #33	RIM=966.58 INV OUT = 956.15
MH #34	RIM=960.65 INV IN = 947.62 INV OUT = 947.52
MH #35	RIM=963.65 INV IN = 952.52 INV OUT = 952.42
MH #36	RIM=966.61 INV OUT = 956.03
MH #37	RIM=960.41 INV IN = 945.48 INV OUT = 945.88
MH #38	RIM=958.12 INV IN = 948.01 INV OUT = 947.91
MH #39	RIM=964.36 INV OUT = 954.00
MH #40	RIM=963.71 INV IN = 944.24 INV OUT = 944.14
MH #41	RIM=963.07 INV IN = 952.65 INV IN = 952.65 INV OUT = 952.50
MH #42	RIM=965.42 INV IN = 954.10 INV OUT = 954.00
MH #43	RIM=967.36 INV OUT = 954.00
MH #44	RIM=968.00 INV OUT = 956.02
MH #45	RIM=962.17 INV OUT = 953.36
MH #46	RIM=967.14 INV OUT = 957.15

SANI PIPE TABLE			
PIPE NAME	DIAMETER (IN)	LENGTH (LF)	SLOPE (%)
5-6	8	158	0.66%
6-7	8	306	0.60%
6-34	8	307	2.40%
7-8	8	200	0.60%
7-22	8	357	1.88%
8-9	8	150	0.60%
9-10	8	200	0.60%
9-37	8	248	0.60%
10-11	8	109	0.60%
11-12	8	310	0.60%
11-40	8	269	1.00%
12-13	8	315	0.60%
12-42	8	328	1.70%
13-14	8	160	0.60%
13-15	8	192	0.60%
15-16	8	400	0.80%

SANI PIPE TABLE			
PIPE NAME	DIAMETER (IN)	LENGTH (LF)	SLOPE (%)
16-17	8	385	1.57%
16-44	8	162	0.60%
18-19	8	164	1.49%
18-29	8	313	3.44%
19-20	8	324	2.09%
20-21	8	168	1.00%
22-23	8	375	0.60%
23-24	8	170	0.60%
24-25	8	245	1.00%
25-26	8	396	1.00%
26-27	8	276	1.00%
24-30	8	310	2.08%
24-32	8	218	1.81%
30-31	8	262	0.93%
31-CAP3	8	278	1.20%
32-33	8	320	1.24%

SANI PIPE TABLE			
PIPE NAME	DIAMETER (IN)	LENGTH (LF)	SLOPE (%)
34-35	8	300	1.60%
35-36	8	220	1.60%
37-38	8	321	0.60%
38-39	8	227	2.64%
40-41	8	326	1.00%
41-415	8	71	1.00%
41-416	8	371	1.35%
42-43	8	166	2.96%
CAP1-27	8	225	1.00%
CAP1-EXMH3	8	15	1.00%
CAP2-28	8	147	2.00%
EXMH2-CAP3	8	25	1.20%
EXMH3-CAP2	8	15	2.00%



PLOT BY: CARL MCCANN - 2/26/2016 - ONE-FILE-3000-05-12-2016-Drawing-Plat-03-PP-Grading-144-150 - AUTOCAD PLOT (GENERAL DOCUMENTATION) P3 - CEC-XES TEST/17B - PLOT SCALE = 1/1

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CEC
 DATE: 12/16/2016
 DATE OF SURVEY: 11/20/2013
 DESIGNED BY: MEL
 DRAWN BY: CM
NORTHGATE WEST
 ANKENY, IOWA
NORTH GRADING & UTILITY PLAN
 SHEET 5
 E-7653