Attachment J-7

GRC Lewis Field Maps

Map1:	Map of Lewis Field Buildings and Structures
Map 2:	Perimeter Security Fencing and Remotely Operated Security Gates
Map 3:	Paved Surface Maintenance and Snow Plowing Requirements
Map 4:	Grounds Maintenance Requirements Lawn mowing and Landscape Maintenance
Map 5:	Grounds Maintenance Requirements Tree Trimming and Treatment
Map 6:	Surface Storm Water Control Features
Map 7:	Oil/Water Separators, Underground Holding Tank and Water Quality Units

GLENN MAPPING SYSTEM

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN H. GLENN RESEARCH CENTER
LEWIS FIELD & PLUM BROOK STATION, OHIO

FORM II CONTRACT MAP - RFP NNC13ZFD017J

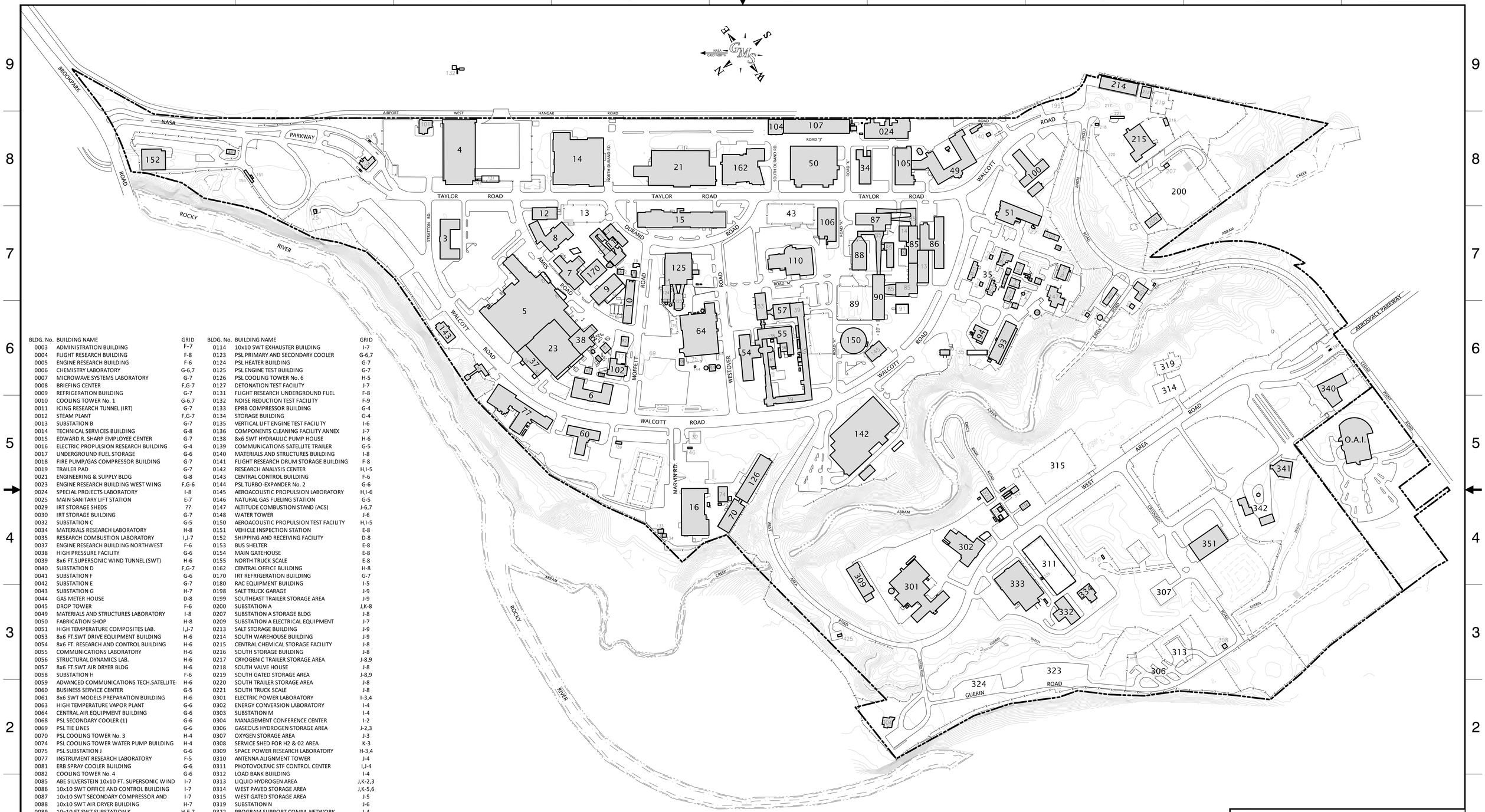
List of Maps

PROPERTY OF UNITED STATES GOVERNMENT – FOR OFFICIAL USE ONLY.
Do not Remove This Notice–Properly destroy document when no longer needed–Utility System Maps are Sensitive But Unclassified information

THIS DRAWING IS FORMATTED TO BE PRINTED IN COLOR

FULL SIZE PRINT DIMENSIONS (INCHES): 72 x 48		Index
UNITS: IMPERIAL	SOFTWARE: CIVIL3D 2012	
SCALE: USE GRAPHIC	PLOT DATE: 04/19/2013	

TITLE BLOCK DATE: 10/1/2012



BLDG. No.	BUILDING NAME	GRID
0003	ADMINISTRATION BUILDING	F-7
0004	FLIGHT RESEARCH BUILDING	F-8
0005	ENGINE RESEARCH BUILDING	F-6
0006	CHEMISTRY LABORATORY	G-6,7
0007	MICROWAVE SYSTEMS LABORATORY	G-7
0008	BRIEFING CENTER	F,G-7
0009	REFRIGERATION BUILDING	G-7
0010	COOLING TOWER No. 1	G-6,7
0011	ICING RESEARCH TUNNEL (IRT)	G-7
0012	STEAM PLANT	F,G-7
0013	SUBSTATION B	G-7
0014	TECHNICAL SERVICES BUILDING	G-8
0015	EDWARD R. SHARP EMPLOYEE CENTER	G-7
0016	ELECTRIC PROPULSION RESEARCH BUILDING	G-4
0017	UNDERGROUND FUEL STORAGE	G-6
0018	FIRE PUMP/GAS COMPRESSOR BUILDING	G-7
0019	TRAILER PAD	G-7
0021	ENGINEERING & SUPPLY BLDG	G-8
0023	ENGINE RESEARCH BUILDING WEST WING	F,G-6
0024	SPECIAL PROJECTS LABORATORY	I-8
0025	MAIN SANITARY LIFT STATION	E-7
0029	IRT STORAGE SHEDS	??
0030	IRT STORAGE BUILDING	G-7
0032	SUBSTATION C	G-5
0034	MATERIALS RESEARCH LABORATORY	H-8
0035	RESEARCH COMBUSTION LABORATORY	I,J-7
0037	ENGINE RESEARCH BUILDING NORTHWEST	F-6
0038	HIGH PRESSURE FACILITY	G-6
0039	8x6 FT.SUPERSONIC WIND TUNNEL (SWT)	H-6
0040	SUBSTATION D	F,G-7
0041	SUBSTATION F	G-6
0042	SUBSTATION E	G-7
0043	SUBSTATION G	H-7
0044	GAS METER HOUSE	D-8
0045	DROP TOWER	F-6
0049	MATERIALS AND STRUCTURES LABORATORY	I-8
0050	FABRICATION SHOP	H-8
0051	HIGH TEMPERATURE COMPOSITES LAB.	I,J-7
0053	8x6 FT.SWT DRIVE EQUIPMENT BUILDING	H-6
0054	8x6 FT. RESEARCH AND CONTROL BUILDING	H-6
0055	COMMUNICATIONS LABORATORY	H-6
0056	STRUCTURAL DYNAMICS LAB.	H-6
0057	8x6 FT.SWT AIR DRYER BLDG	H-6
0058	SUBSTATION H	F-6
0059	ADVANCED COMMUNICATIONS TECH.SATELLITE	H-6
0060	BUSINESS SERVICE CENTER	G-5
0061	8x6 SWT MODELS PREPARATION BUILDING	H-6
0063	HIGH TEMPERATURE VAPOR PLANT	G-6
0064	CENTRAL AIR EQUIPMENT BUILDING	G-6
0068	PSL SECONDARY COOLER (1)	G-6
0069	PSL TIE LINES	G-6
0070	PSL COOLING TOWER No. 3	H-4
0074	PSL COOLING TOWER WATER PUMP BUILDING	H-4
0075	PSL SUBSTATION J	G-6
0077	INSTRUMENT RESEARCH LABORATORY	F-5
0081	ERB SPRAY COOLER BUILDING	G-6
0082	COOLING TOWER No. 4	G-6
0085	ABE SILVERSTEIN 10x10 FT. SUPERSONIC WIND	I-7
0086	10x10 SWT OFFICE AND CONTROL BUILDING	I-7
0087	10x10 SWT SECONDARY COMPRESSOR AND	I-7
0088	10x10 SWT AIR DRYER BUILDING	H-7
0089	10x10 FT.SWT SUBSTATION K	H-6,7
0090	10x10 SWT MAIN COMPRESSOR AND DRIVE	I-6,7
0091	10x10 SWT LOW PRESSURE FUEL PUMP	I-6
0092	10x10 SWT HIGH PRESSURE FUEL PUMP	I-7
0093	10x10 FT.SWT COOLING TOWER No. 5	I-6
0094	10x10 SWT COOLING TOWER WATER PUMP	I-6
0095	PSL DESICCANT AIR DRYER	G-6
0098	ENGINE COMPONENTS RESEARCH LABORATORY	G-6
0099	ERB COMBUSTION AIR HEATER	G-6
0100	ROCKET OPERATIONS BUILDING	J-8
0101	OPERATIONS/INTEGRATION BUILDING	F-8
0102	ENGINE COMPONENTS RESEARCH LABORATORY	G-6
0104	GARAGE	H-8
0105	MATERIALS PROCESSING LABORATORY	I-8
0106	BASIC MATERIALS LABORATORY	H-7
0107	MAINTENANCE AND REPAIR BUILDING	H-8
0108	GATEHOUSE, MAIN AND GUARD STATION	E-8
0109	HEATED TUBE FACILITY	J-7
0110	SPACE EXPERIMENTS LABORATORY	H-7
0113	10x10 SWT SHOP BUILDING	I-7

BLDG. No.	BUILDING NAME	GRID
0114	10x10 SWT EXHAUSTER BUILDING	I-7
0123	PSL PRIMARY AND SECONDARY COOLER	G-6,7
0124	PSL HEATER BUILDING	G-7
0125	PSL ENGINE TEST BUILDING	G-7
0126	PSL COOLING TOWER No. 6	H-5
0127	DETONATION TEST FACILITY	J-7
0131	FLIGHT RESEARCH UNDERGROUND FUEL	F-8
0132	NOISE REDUCTION TEST FACILITY	F-9
0133	EPRB COMPRESSOR BUILDING	G-4
0134	STORAGE BUILDING	G-4
0135	VERTICAL LIFT ENGINE TEST FACILITY	I-6
0136	COMPONENTS CLEANING FACILITY ANNEX	J-7
0138	8x6 SWT HYDRAULIC PUMP HOUSE	H-6
0139	COMMUNICATIONS SATELLITE TRAILER	G-5
0140	MATERIALS AND STRUCTURES BUILDING	I-8
0141	FLIGHT RESEARCH DRUM STORAGE BUILDING	F-8
0142	RESEARCH ANALYSIS CENTER	H,I-5
0143	CENTRAL CONTROL BUILDING	F-6
0144	PSL TURBO-EXPANDER No. 2	G-6
0145	AEROACOUSTIC PROPULSION LABORATORY	H,I-6
0146	NATURAL GAS FUELING STATION	G-5
0147	ALTITUDE COMBUSTION STAND (ACS)	J-6,7
0148	WATER TOWER	J-6
0150	AEROACOUSTIC PROPULSION TEST FACILITY	H,I-5
0151	VEHICLE INSPECTION STATION	E-8
0152	SHIPPING AND RECEIVING FACILITY	D-8
0153	BUS SHELTER	E-8
0154	MAIN GATEHOUSE	E-8
0155	NORTH TRUCK SCALE	E-8
0162	CENTRAL OFFICE BUILDING	H-8
0170	IRT REFRIGERATION BUILDING	G-7
0180	RAC EQUIPMENT BUILDING	I-5
0198	SALT TRUCK GARAGE	J-9
0199	SOUTHEAST TRAILER STORAGE AREA	J-9
0200	SUBSTATION A	J,K-8
0207	SUBSTATION A STORAGE BLDG	J-8
0209	SUBSTATION A ELECTRICAL EQUIPMENT	J-7
0213	SALT STORAGE BUILDING	J-9
0214	SOUTH WAREHOUSE BUILDING	J-9
0215	CENTRAL CHEMICAL STORAGE FACILITY	J-8
0216	SOUTH STORAGE BUILDING	J-8
0217	CRYOGENIC TRAILER STORAGE AREA	J-8,9
0218	SOUTH VALVE HOUSE	J-8
0219	SOUTH GATED STORAGE AREA	J-8,9
0220	SOUTH TRAILER STORAGE AREA	J-8
0221	SOUTH TRUCK SCALE	J-8
0301	ELECTRIC POWER LABORATORY	I-3,4
0302	ENERGY CONVERSION LABORATORY	I-4
0303	SUBSTATION M	I-4
0304	MANAGEMENT CONFERENCE CENTER	I-2
0306	GASEOUS HYDROGEN STORAGE AREA	J-2,3
0307	OXYGEN STORAGE AREA	J-3
0308	SERVICE SHED FOR H2 & 02 AREA	K-3
0309	SPACE POWER RESEARCH LABORATORY	H-3,4
0310	ANTENNA ALIGNMENT TOWER	J-4
0311	PHOTOVOLTAIC STF CONTROL CENTER	I,J-4
0312	LOAD BANK BUILDING	I-4
0313	LIQUID HYDROGEN AREA	J,K-2,3
0314	WEST PAVED STORAGE AREA	J,K-5,6
0315	WEST GATED STORAGE AREA	J-5
0319	SUBSTATION N	J-6
0322	PROGRAM SUPPORT COMM. NETWORK	I-4
0323	GUERIN TRAILER STORAGE AREA	I,J-2
0324	GUERIN PAVED STORAGE AREA	J-2
0332	STRUCTURAL ASSEMBLY BUILDING	J-3
0333	POWER SYSTEMS FACILITY	I,J-3,4
0334	FUEL CELL TESTING FACILITY	J-3,4
0335	REMOTE USER SOURCE SIMULATOR POWER	J-4
0336	GREENLAB RESEARCH FACILITY	I,J-4
0337	SOLAR CONCENTRATORS	I-4
0340	CHILD DEVELOPMENT CENTER	K,L-5,6
0341	FITNESS CENTER	K-5
0342	PICNIC PAVILION	K-4
0351	LOGISTICS AND MAINTENANCE BUILDING	K-4
0399	GATEHOUSE (WEST)	K-6
0401	SHOP BUILDING	J-6
0402	SMALL-SCALE MULTI-PURPOSE RESEARCH	J-6
0403	TEST CELL 7	J-6
0404	CHEMICAL STORAGE SHED	J-7
0414	ACS BOTTLE FARM ELECTRICAL BUILDING	J-6
0425	WEST AREA SANITARY LIFT STATION	H-3

0 200 400 600 800 1000

GRAPHIC SCALE (FEET)

GLENN MAPPING SYSTEM

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN H. GLENN RESEARCH CENTER
LEWIS FIELD & PLUM BROOK STATION, OHIO

FORM II CONTRACT MAP - RFP NNC13ZFD017J

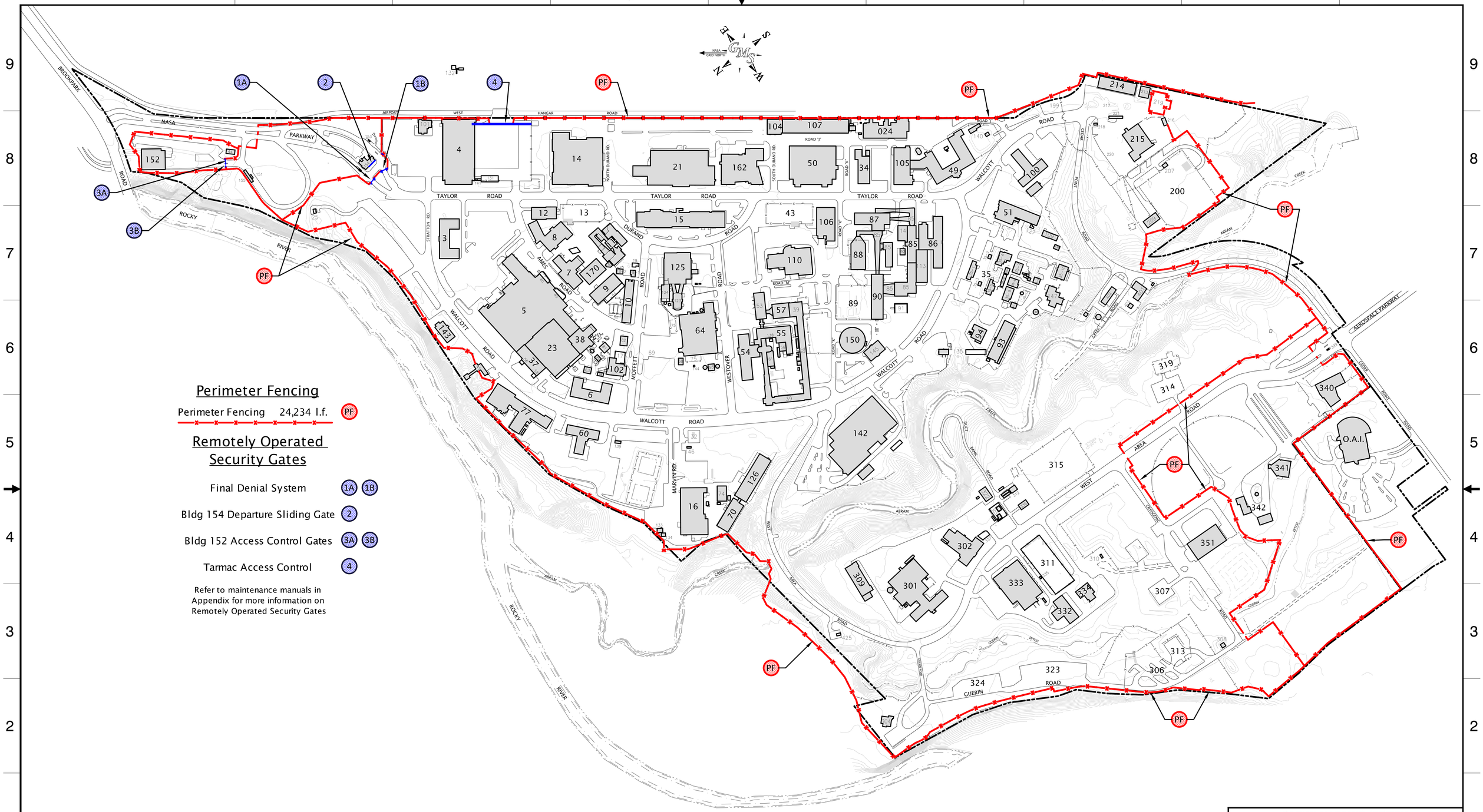
Map of Lewis Field
Buildings and Structures

PROPERTY OF UNITED STATES GOVERNMENT – FOR OFFICIAL USE ONLY.
Do not Remove This Notice–Properly destroy document when no longer needed–Utility System Maps are Sensitive But Unclassified information

THIS DRAWING IS FORMATTED TO BE PRINTED IN COLOR

FULL SIZE PRINT DIMENSIONS (INCHES): 72 x 48		MAP 1
UNITS: IMPERIAL	SOFTWARE: CIVIL3D 2012	
SCALE: USE GRAPHIC	PLOT DATE: 04/19/2013	

TITLE BLOCK DATE: 10/1/2012



GLENN MAPPING SYSTEM

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN H. GLENN RESEARCH CENTER
LEWIS FIELD & PLUM BROOK STATION, OHIO

FORM II CONTRACT MAP - RFP NNC13ZFD017J

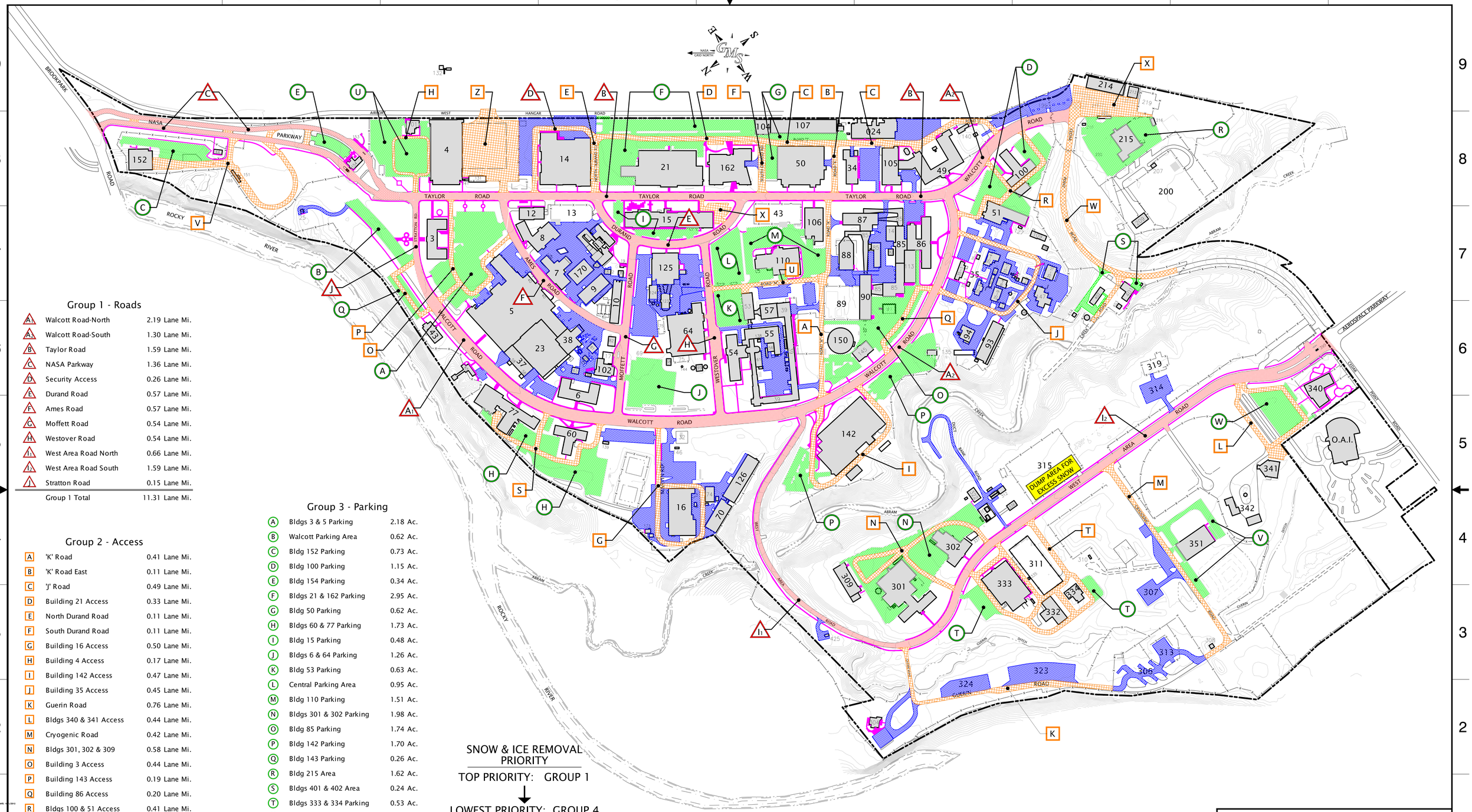
Map of Lewis Feld
Perimeter Security Fencing and
Remotely Operated Security Gates

PROPERTY OF UNITED STATES GOVERNMENT – FOR OFFICIAL USE ONLY. Do not Remove This Notice—Properly destroy document when no longer needed—Utility System Maps are Sensitive But Unclassified information

THIS DRAWING IS FORMATTED TO BE PRINTED IN COLOR

FULL SIZE PRINT DIMENSIONS (INCHES): 72 x 48		MAP 2
UNITS: IMPERIAL	SOFTWARE: CIVIL3D 2012	
SCALE: SEE GRAPHIC	PLOT DATE: 04/18/2013	

TITLE BLOCK DATE: 10/1/2012



Group 1 - Roads

A1	Walcott Road-North	2.19 Lane Mi.
A2	Walcott Road-South	1.30 Lane Mi.
B	Taylor Road	1.59 Lane Mi.
C	NASA Parkway	1.36 Lane Mi.
D	Security Access	0.26 Lane Mi.
E	Durand Road	0.57 Lane Mi.
F	Ames Road	0.57 Lane Mi.
G	Moffett Road	0.54 Lane Mi.
H	Westover Road	0.54 Lane Mi.
I1	West Area Road North	0.66 Lane Mi.
I2	West Area Road South	1.59 Lane Mi.
J	Stratton Road	0.15 Lane Mi.
	Group 1 Total	11.31 Lane Mi.

Group 2 - Access

A	'K' Road	0.41 Lane Mi.	
B	'K' Road East	0.11 Lane Mi.	
C	'J' Road	0.49 Lane Mi.	
D	Building 21 Access	0.33 Lane Mi.	
E	North Durand Road	0.11 Lane Mi.	
F	South Durand Road	0.11 Lane Mi.	
G	Building 16 Access	0.50 Lane Mi.	
H	Building 4 Access	0.17 Lane Mi.	
I	Building 142 Access	0.47 Lane Mi.	
J	Building 35 Access	0.45 Lane Mi.	
K	Guerin Road	0.76 Lane Mi.	
L	Bldgs 340 & 341 Access	0.44 Lane Mi.	
M	Cryogenic Road	0.42 Lane Mi.	
N	Bldgs 301, 302 & 309	0.58 Lane Mi.	
O	Building 3 Access	0.44 Lane Mi.	
P	Building 143 Access	0.19 Lane Mi.	
Q	Building 86 Access	0.20 Lane Mi.	
R	Bldgs 100 & 51 Access	0.41 Lane Mi.	
S	Bldgs 60 & 77 Access	0.41 Lane Mi.	
T	Bldgs 333 & 334 Access	0.95 Lane Mi.	
U	'M' Road	0.23 Lane Mi.	
V	Bldg 152 Loop & Dock	0.51 Lane Mi.	
W	Cedar Point Road	0.48 Lane Mi.	
X	Medical Services		0.23 Ac.
Y	Maintenance Access		0.93 Ac.
Z	Hangar Apron		2.22 Ac.
	Group 2 Totals	9.14 Lane Mi.	3.37 Ac.

Note: All Handicap Parking Stalls in Group 2 Areas Are Included

Group 3 - Parking

A	Bldgs 3 & 5 Parking	2.18 Ac.
B	Walcott Parking Area	0.62 Ac.
C	Bldg 152 Parking	0.73 Ac.
D	Bldg 100 Parking	1.15 Ac.
E	Bldg 154 Parking	0.34 Ac.
F	Bldgs 21 & 162 Parking	2.95 Ac.
G	Bldg 50 Parking	0.62 Ac.
H	Bldgs 60 & 77 Parking	1.73 Ac.
I	Bldg 15 Parking	0.48 Ac.
J	Bldgs 6 & 64 Parking	1.26 Ac.
K	Bldg 53 Parking	0.63 Ac.
L	Central Parking Area	0.95 Ac.
M	Bldg 110 Parking	1.51 Ac.
N	Bldgs 301 & 302 Parking	1.98 Ac.
O	Bldg 85 Parking	1.74 Ac.
P	Bldg 142 Parking	1.70 Ac.
Q	Bldg 143 Parking	0.26 Ac.
R	Bldg 215 Area	1.62 Ac.
S	Bldgs 401 & 402 Area	0.24 Ac.
T	Bldgs 333 & 334 Parking	0.53 Ac.
U	Bldg 4 Parking	1.58 Ac.
V	Bldg 351 Area	0.72 Ac.
W	Bldgs 340 & 341 Parking	0.90 Ac.
	Group 3 Total	26.41 Ac.

Group 4 - Other

All Remaining Walks, Parking Areas and Drives	
5' Wide Pedestrian Walks	41,025 Lin. Ft.
Remaining Parking Areas and Drives	20.54 Ac.

SNOW & ICE REMOVAL PRIORITY

TOP PRIORITY: GROUP 1

↓

LOWEST PRIORITY: GROUP 4

LEGEND

- GROUP 1 - ROADS
- GROUP 2 - ACCESS
- GROUP 3 - PARKING
- GROUP 4 - OTHER
- PEDESTRIAN WALK
- DUMP AREA FOR EXCESS SNOW

0 200 400 600 800 1000

GRAPHIC SCALE (FEET)

GLENN MAPPING SYSTEM

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN H. GLENN RESEARCH CENTER
LEWIS FIELD & PLUM BROOK STATION, OHIO

FORM II CONTRACT MAP - RFP NNC13ZFD017J

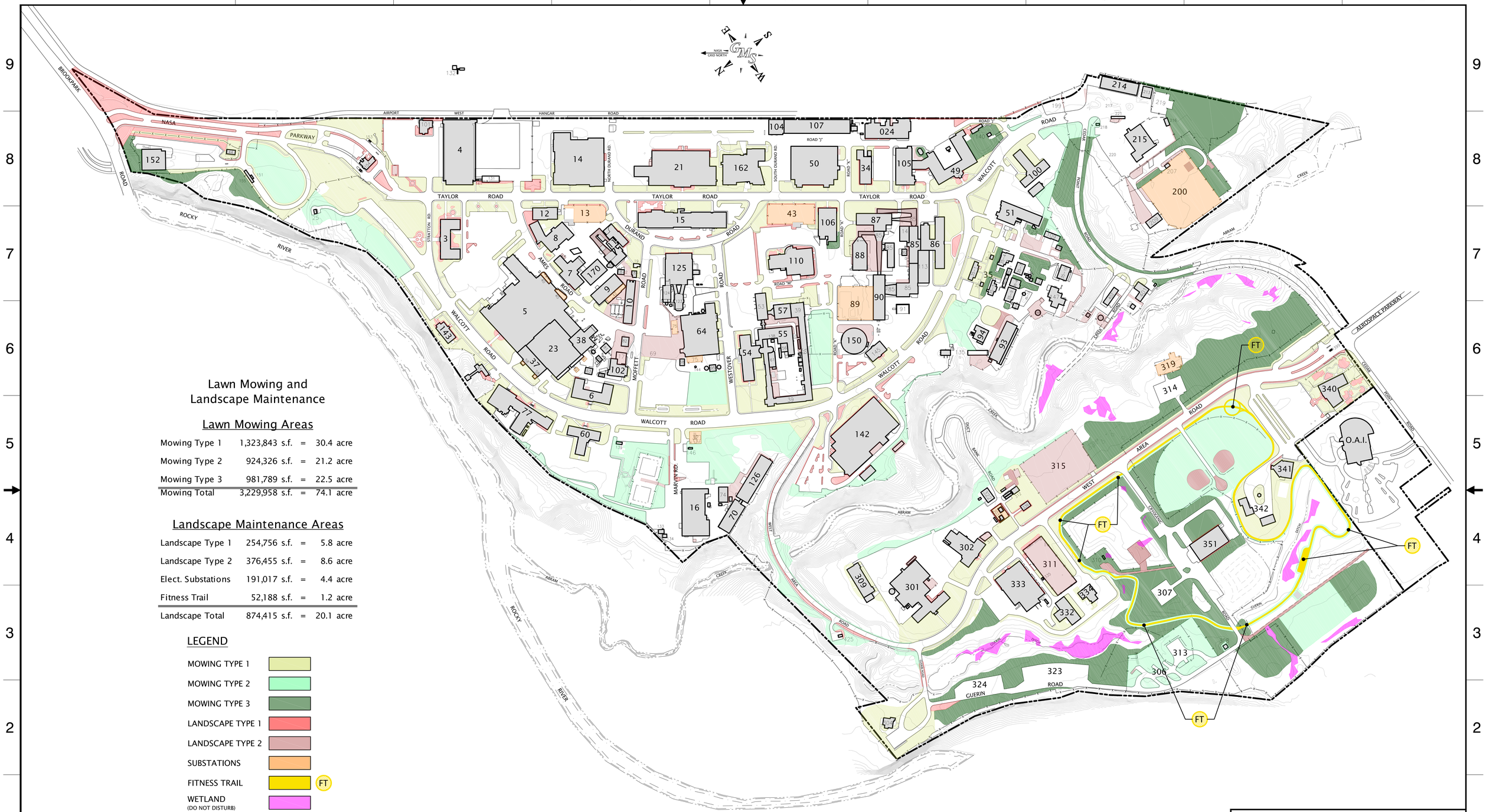
Map of Lewis Feld
Paved Surface Maintenance and
Snow Plowing Requirements

PROPERTY OF UNITED STATES GOVERNMENT – FOR OFFICIAL USE ONLY.
Do not Remove This Notice–Properly destroy document when no longer needed–Utility System Maps are Sensitive But Unclassified Information

THIS DRAWING IS FORMATTED TO BE PRINTED IN COLOR

FULL SIZE PRINT DIMENSIONS (INCHES): 72 x 48		MAP 3
UNITS: IMPERIAL	SOFTWARE: CIVIL3D 2012	
SCALE: SEE GRAPHIC	PLOT DATE: 04/19/2013	

TITLE BLOCK DATE: 10/1/2012



Lawn Mowing and Landscape Maintenance

Lawn Mowing Areas

Mowing Type 1	1,323,843 s.f.	=	30.4 acre
Mowing Type 2	924,326 s.f.	=	21.2 acre
Mowing Type 3	981,789 s.f.	=	22.5 acre
Mowing Total	3,229,958 s.f.	=	74.1 acre

Landscape Maintenance Areas

Landscape Type 1	254,756 s.f.	=	5.8 acre
Landscape Type 2	376,455 s.f.	=	8.6 acre
Elect. Substations	191,017 s.f.	=	4.4 acre
Fitness Trail	52,188 s.f.	=	1.2 acre
Landscape Total	874,415 s.f.	=	20.1 acre

LEGEND

- MOWING TYPE 1
- MOWING TYPE 2
- MOWING TYPE 3
- LANDSCAPE TYPE 1
- LANDSCAPE TYPE 2
- SUBSTATIONS
- FITNESS TRAIL (FT)
- WETLAND (DO NOT DISTURB)

0 200 400 600 800 1000

GRAPHIC SCALE (FEET)

GLENN MAPPING SYSTEM

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN H. GLENN RESEARCH CENTER
LEWIS FIELD & PLUM BROOK STATION, OHIO

FORM II CONTRACT MAP - RFP NNC13ZFD017J

Map of Lewis Field
Grounds Maintenance Requirements
Lawn Mowing and Landscape Maintenance

PROPERTY OF UNITED STATES GOVERNMENT – FOR OFFICIAL USE ONLY.
Do not Remove This Notice–Properly destroy document when no longer needed–Utility System Maps are Sensitive But Unclassified Information

THIS DRAWING IS FORMATTED TO BE PRINTED IN COLOR

FULL SIZE PRINT DIMENSIONS (INCHES): 72 x 48		MAP 4
UNITS: IMPERIAL	SOFTWARE: CIVIL3D 2012	
SCALE: SEE GRAPHIC	PLOT DATE: 04/19/2013	

TITLE BLOCK DATE: 10/1/2012

Tree Trimming and Treatment

Trim Trees

(Count Includes Trees to be Treated)

Trim Trees Type 1	196 ea.
Trim Trees Type 2	218 ea.
Trim Trees Type 3	147 ea.
Trim Trees Total	561 ea.

Treat Trees

Treat Oak Trees	22 ea.
Treat Crab Apple	114 ea.
Landscape Total	136 ea.

LEGEND

- AREA OF TYPE 1 TREES
- AREA OF TYPE 2 TREES
- AREA OF TYPE 3 TREES
- TREE - TRIM ONLY
- OAK TREE - TREAT & TRIM
- CRAB APPLE-TREAT & TRIM

0 200 400 600 800 1000

GRAPHIC SCALE (FEET)

GLENN MAPPING SYSTEM

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN H. GLENN RESEARCH CENTER
LEWIS FIELD & PLUM BROOK STATION, OHIO

FORM II CONTRACT MAP - RFP NNC13ZFD017J

Map of Lewis Field
Grounds Maintenance Requirements
Tree Trimming and Treatment

PROPERTY OF UNITED STATES GOVERNMENT – FOR OFFICIAL USE ONLY.
Do not Remove This Notice–Properly destroy document when no longer needed–Utility System Maps are Sensitive But Unclassified information

THIS DRAWING IS FORMATTED TO BE PRINTED IN COLOR

FULL SIZE PRINT DIMENSIONS (INCHES): 72 x 48		MAP 5
UNITS: IMPERIAL	SOFTWARE: CIVIL3D 2012	
SCALE: SEE GRAPHIC	PLOT DATE: 04/19/2013	

TITLE BLOCK DATE: 10/1/2012

Surface Storm Water Control Features

BioGardens	7,255 s.f.
Detention Basins:	34,863 s.f.
Detention Basin #1	5,640 s.f.
Detention Basin #2	6,823 s.f.
Detention Basin #3	22,400 s.f.
Permeable Pavement	9,235 s.f.
Wetlands	97,308 s.f.
Open Ditches	5,372 l.f.
Large Volume Culverts	3 ea.

-Culvert C1 = 120'l x 30'w x 15'h

-Culvert C2 = 2-15'l x 30"dia. pipe into 32'l x 7'w x 2'h box outlet

-Culvert C3 = 165'l x 30'w x 8'h

LEGEND

BIO-GARDEN	B
DETENTION BASIN	DB
PERMEABLE PAVEMENT	PP
WETLAND	W
OPEN DITCH	D
LARGE VOLUME CULVERT	C

0 200 400 600 800 1000

GRAPHIC SCALE (FEET)

GLENN MAPPING SYSTEM

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN H. GLENN RESEARCH CENTER
LEWIS FIELD & PLUM BROOK STATION, OHIO

FORM II CONTRACT MAP - RFP NNC13ZFD017J

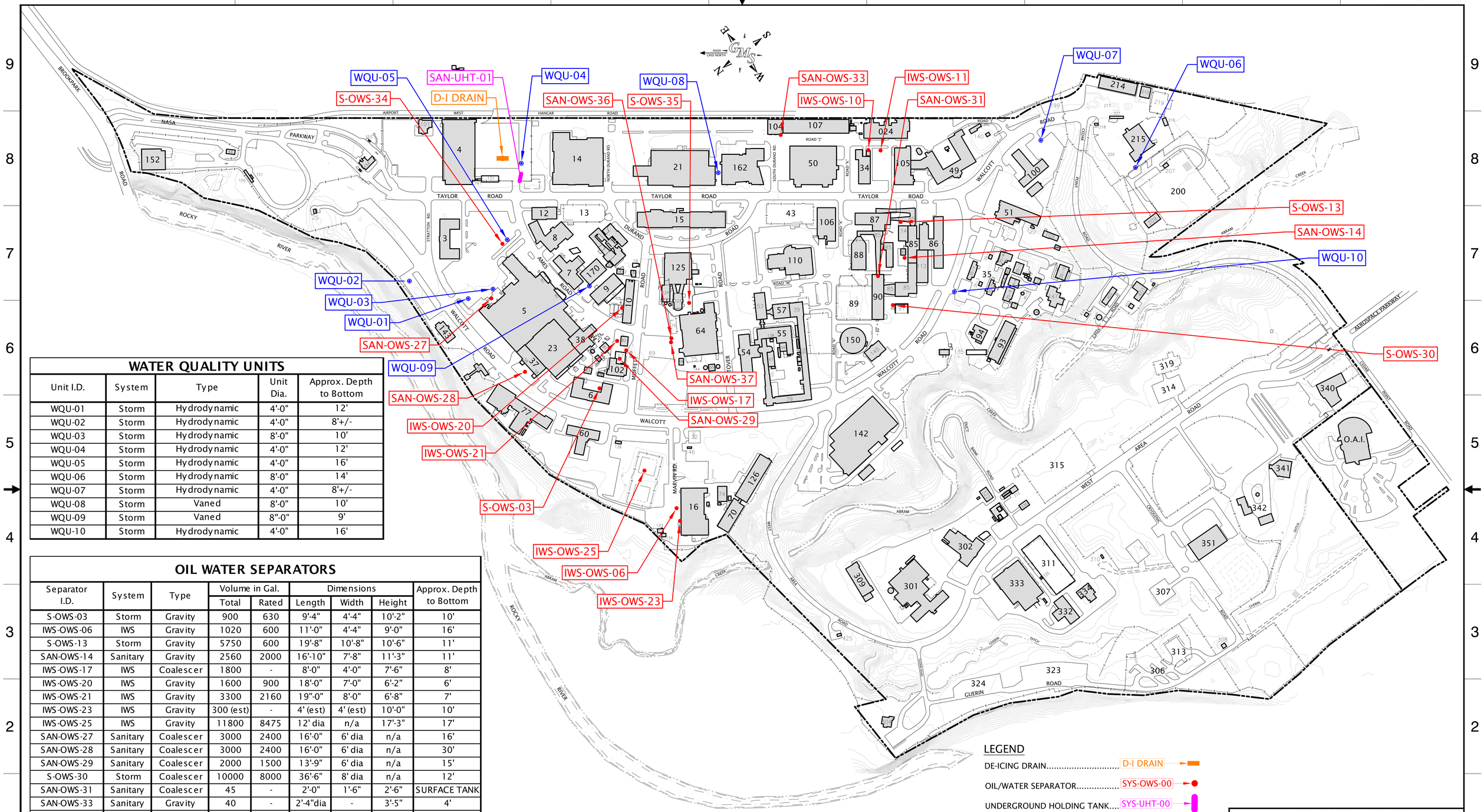
Map of Lewis Field
Surface Storm Water
Control Features

PROPERTY OF UNITED STATES GOVERNMENT – FOR OFFICIAL USE ONLY.
Do not Remove This Notice–Properly destroy document when no longer needed–Utility System Maps are Sensitive But Unclassified Information

THIS DRAWING IS FORMATTED TO BE PRINTED IN COLOR

FULL SIZE PRINT DIMENSIONS (INCHES): 72 x 48		MAP 6
UNITS: IMPERIAL	SOFTWARE: CIVIL3D 2012	
SCALE: SEE GRAPHIC	PLOT DATE: 04/19/2013	

TITLE BLOCK DATE: 10/1/2012



WATER QUALITY UNITS

Unit I.D.	System	Type	Unit Dia.	Approx. Depth to Bottom
WQU-01	Storm	Hydrodynamic	4'-0"	12'
WQU-02	Storm	Hydrodynamic	4'-0"	8'+/-
WQU-03	Storm	Hydrodynamic	8'-0"	10'
WQU-04	Storm	Hydrodynamic	4'-0"	12'
WQU-05	Storm	Hydrodynamic	4'-0"	16'
WQU-06	Storm	Hydrodynamic	8'-0"	14'
WQU-07	Storm	Hydrodynamic	4'-0"	8'+/-
WQU-08	Storm	Vaned	8'-0"	10'
WQU-09	Storm	Vaned	8"-0"	9'
WQU-10	Storm	Hydrodynamic	4'-0"	16'

OIL WATER SEPARATORS

Separator I.D.	System	Type	Volume in Gal.		Dimensions			Approx. Depth to Bottom
			Total	Rated	Length	Width	Height	
S-OWS-03	Storm	Gravity	900	630	9'-4"	4'-4"	10'-2"	10'
IWS-OWS-06	IWS	Gravity	1020	600	11'-0"	4'-4"	9'-0"	16'
S-OWS-13	Storm	Gravity	5750	600	19'-8"	10'-8"	10'-6"	11'
SAN-OWS-14	Sanitary	Gravity	2560	2000	16'-10"	7'-8"	11'-3"	11'
IWS-OWS-17	IWS	Coalescer	1800	-	8'-0"	4'-0"	7'-6"	8'
IWS-OWS-20	IWS	Gravity	1600	900	18'-0"	7'-0"	6'-2"	6'
IWS-OWS-21	IWS	Gravity	3300	2160	19"-0"	8'-0"	6'-8"	7'
IWS-OWS-23	IWS	Gravity	300 (est)	-	4' (est)	4' (est)	10'-0"	10'
IWS-OWS-25	IWS	Gravity	11800	8475	12' dia	n/a	17'-3"	17'
SAN-OWS-27	Sanitary	Coalescer	3000	2400	16'-0"	6' dia	n/a	16'
SAN-OWS-28	Sanitary	Coalescer	3000	2400	16'-0"	6' dia	n/a	30'
SAN-OWS-29	Sanitary	Coalescer	2000	1500	13'-9"	6' dia	n/a	15'
S-OWS-30	Storm	Coalescer	10000	8000	36'-6"	8' dia	n/a	12'
SAN-OWS-31	Sanitary	Coalescer	45	-	2'-0"	1'-6"	2'-6"	SURFACE TANK
SAN-OWS-33	Sanitary	Gravity	40	-	2'-4"dia	-	3'-5"	4'
S-OWS-34	Storm	Coalescer	20000	12000	37'-9"	10' dia	n/a	26'
S-OWS-35	Storm	Gravity	2500	-	12'-0"	6'-0"	5'-11"	15'
SAN-OWS-36	Sanitary	Coalescer	5700	-	16'-0"	8'-4"	6'-0"	10'
SAN-OWS-37	Sanitary	Coalescer	5700	-	16'-0"	8'-4"	6'-0"	10'

UNDERGROUND HOLDING TANKS

Tank I.D.	System	Type	Volume in Gal.		Dimensions			Approx. Depth to Bottom
			Total	Rated	Length	Width	Height	
SAN-UHT-01	Sanitary	Storage Tank	12000	-	37'-0"	8' dia	n/a	12'

LEGEND

DE-ICING DRAIN..... D-I DRAIN

OIL/WATER SEPARATOR..... SYS-OWS-00

UNDERGROUND HOLDING TANK.... SYS-UHT-00

WATER QUALITY UNIT**..... WQU-00

FIXTURE SYSTEM ('SYS') PREFIX:
STORM SYSTEM.....S-
SANITARY SYSTEM .....SAN-
INDUSTRIAL WASTE SYSTEM.....IWS-
**ALL WATER QUALITY UNITS ('WQU') ARE ON THE STORM SYSTEM

0 200 400 600 800 1000
GRAPHIC SCALE (FEET)

GLENN MAPPING SYSTEM

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHN H. GLENN RESEARCH CENTER
LEWIS FIELD & PLUM BROOK STATION, OHIO

FORM II CONTRACT MAP - RFP NNC13ZFD017J

Map of Lewis Feld
Oil/Water Separators, Underground Holding Tank and Water Quality Units

PROPERTY OF UNITED STATES GOVERNMENT – FOR OFFICIAL USE ONLY. Do not Remove This Notice—Properly destroy document when no longer needed—Utility System Maps are Sensitive But Unclassified information

THIS DRAWING IS FORMATTED TO BE PRINTED IN COLOR

FULL SIZE PRINT DIMENSIONS (INCHES): 72 x 48
UNITS: IMPERIAL | SOFTWARE: CIVIL3D 2012
SCALE: SEE GRAPHIC | PLOT DATE: 04/19/2013

MAP 7

TITLE BLOCK DATE: 10/1/2012