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\* Federal Airways & Airspace  
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\* Summary Report: New Construction  
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\* Antenna Structure  
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Airspace User: Your Name  
  
File: WESTFIELD4  
  
Location: Cranford, NJ  
  
Latitude: 40°-39'-57.72" Longitude:  
74°-19'-31.74"

SITE ELEVATION AMSL.....96 ft.  
STRUCTURE HEIGHT.....148 ft.  
OVERALL HEIGHT AMSL.....244 ft.  
SURVEY HEIGHT AMSL.....244 ft.

NOTICE CRITERIA

- FAR 77.9(a): NNR (DNE 200 ft AGL)
- FAR 77.9(b): NNR (DNE Notice Slope)
- FAR 77.9(c): NNR (Not a Traverse Way)
- FAR 77.9: NNR FAR 77.9 IFR Straight-In Notice Criteria for  
LDJ
- FAR 77.9: NNR FAR 77.9 IFR Straight-In Notice Criteria for  
EWR
- FAR 77.9(d): NNR (Off Airport Construction)

NR = Notice Required  
NNR = Notice Not Required  
PNR = Possible Notice Required (depends upon actual IFR  
procedure)

For new construction review Air Navigation Facilities at  
bottom  
of this report.

Notice to the FAA is not required at the analyzed location and  
height for  
slope, height or Straight-In procedures. Please review the 'Air  
Navigation'  
section for notice requirements for offset IFR procedures and  
EMI.

OBSTRUCTION STANDARDS

- FAR 77.17(a) (1): DNE 499 ft AGL
- FAR 77.17(a) (2): DNE - Airport Surface
- FAR 77.19(a): DNE - Horizontal Surface
- FAR 77.19(b): DNE - Conical Surface

FAR 77.19(c): DNE - Primary Surface  
 FAR 77.19(d): DNE - Approach Surface  
 FAR 77.19(e): DNE - Approach Transitional Surface  
 FAR 77.19(e): DNE - Abeam Transitional Surface

VFR TRAFFIC PATTERN AIRSPACE FOR: LDJ: LINDEN

Type: A RD: 27381.48 RE: 23

FAR 77.17(a)(1): DNE  
 FAR 77.17(a)(2): DNE - Height No Greater Than 200 feet

AGL.

VFR Horizontal Surface: DNE  
 VFR Conical Surface: DNE  
 VFR Primary Surface: DNE  
 VFR Approach Surface: DNE  
 VFR Transitional Surface: DNE

The structure is within VFR - Traffic Pattern Airspace Climb/Descent Area.

Structures exceeding the greater of 350' AAE, 77.17(a)(2), or VFR horizontal

and conical surfaces will receive a hazard determination from the FAA.

Maximum AMSL of Climb/Descent Area is 372 feet.

VFR TRAFFIC PATTERN AIRSPACE FOR: EWR: NEWARK LIBERTY INTL

Type: A RD: 40653.98 RE: 9.9

FAR 77.17(a)(1): DNE  
 FAR 77.17(a)(2): DNE - Greater Than 5.99 NM.  
 VFR Horizontal Surface: DNE  
 VFR Conical Surface: DNE  
 VFR Primary Surface: DNE  
 VFR Approach Surface: DNE  
 VFR Transitional Surface: DNE

TERPS DEPARTURE PROCEDURE (FAA Order 8260.3, Volume 4)

FAR 77.17(a)(3) Departure Surface Criteria (40:1)  
 DNE Departure Surface

MINIMUM OBSTACLE CLEARANCE ALTITUDE (MOCA)

FAR 77.17(a)(4) MOCA Altitude Enroute Criteria  
 The Maximum Height Permitted is 1000 ft AMSL

PRIVATE LANDING FACILITIES

FACIL	BEARING	RANGE	DELTA
IDENT TYP NAME	To FACIL	IN NM	
ELEVATION IFR			
02NJ HEL MERCK KENILWORTH CAMPUS	76.38	2.21	

+78

No Impact to Private Landing Facility  
 Structure is beyond notice limit by 8428 feet.

NJ44 HEL LIBERTY HALL 81.59 3.69

+201

Structure is beyond notice limit by 17421 feet.

+229 7NJ8 HEL MERCK & CO 138.62 4.52

No Impact to Private Landing Facility  
Structure is beyond notice limit by 22464 feet.

+224 NJ82 HEL BAYWAY REFINERY 113.37 4.53

No Impact to Private Landing Facility  
Structure is beyond notice limit by 22525 feet.

-185 08NJ HEL ST BARNABAS MEDICAL CENTER 9.66 5.87

No Impact to Private Landing Facility  
Structure 185 ft below heliport.

AIR NAVIGATION ELECTRONIC FACILITIES

GRND	FAC	ST	DIST	DELTA	ANGLE	BEAR	LOCATION
	IDNT	TYPE	AT	FREQ	VECTOR	(ft)	ELEVA ST

INTERNATIO	EWR	RADAR	ON	2715.	86.06	38861	+138 NY NEWARK
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No Impact. This structure does not require Notice based upon EMI.

The studied location is within 20 NM of a Radar facility.  
The calculated Radar Line-Of-Sight (LOS) distance is: 32 NM.  
This location and height is within the Radar Line-Of-Sight.

-.01	CAT	NDB	I	25	313.32	39734	-7 NJ CHATHAM
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.12	EWR	RADAR	Y		79.25	46541	+94 NJ NEWARK ASDE
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No Impact. This structure does not require Notice based upon EMI.

The studied location is within 20 NM of a Radar facility.  
The calculated Radar Line-Of-Sight (LOS) distance is: 34 NM.  
This location and height is within the Radar Line-Of-Sight.

TETERBORO	TEB	LOM	I		46.63	73493	+228 NJ RWY 06
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.18	TE	NDB	R	21	46.63	73506	+228 NJ TORBY
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.14	TEB	VOR/DME	R	108.4	47.54	98734	+241 NJ TETERBORO
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.03	SBJ	VOR/DME	I	112.9	255.2	119454	+55 NJ SOLBERG
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.11	CRI	VOR/DME	R	112.3	99.4	121211	+234 NY CANARSIE
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.10	LGA	VOR/DME	R	113.1	71.15	133703	+235 NY LA GUARDIA
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.05	COL	VOR/DME	R	115.4	160.4	137105	+115 NJ COLTS NECK
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- .32	JFK	VOR/DME	R	115.9	94.67	154233	+233	NY	KENNEDY
.09	JFK	RADAR	ON	2755.	93.73	155430	+157	NY	JOHN F
KENNEDY IN		.06							
	SAX	VORTAC	R	115.7	338.15	157678	-1156	NJ	SPARTA
- .42	RBV	VORTAC	R	113.8	195.55	175377	-4	NJ	ROBBINSVILLE
0.00	STW	VOR/DME	I	109.6	308.79	192515	-676	NJ	STILLWATER
- .2	HPN	RADAR	ON	2735.	48.51	224574	-266	NY	WESTCHESTER
COUNT		-.07							

CFR Title 47, §1.30000-§1.30004

AM STUDY NOT REQUIRED: Structure is not near a FCC licensed AM station.

Movement Method Proof as specified in §73.151(c) is not required.

Please review 'AM Station Report' for details.

Nearest AM Station: WJDM @ 6093 meters.

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