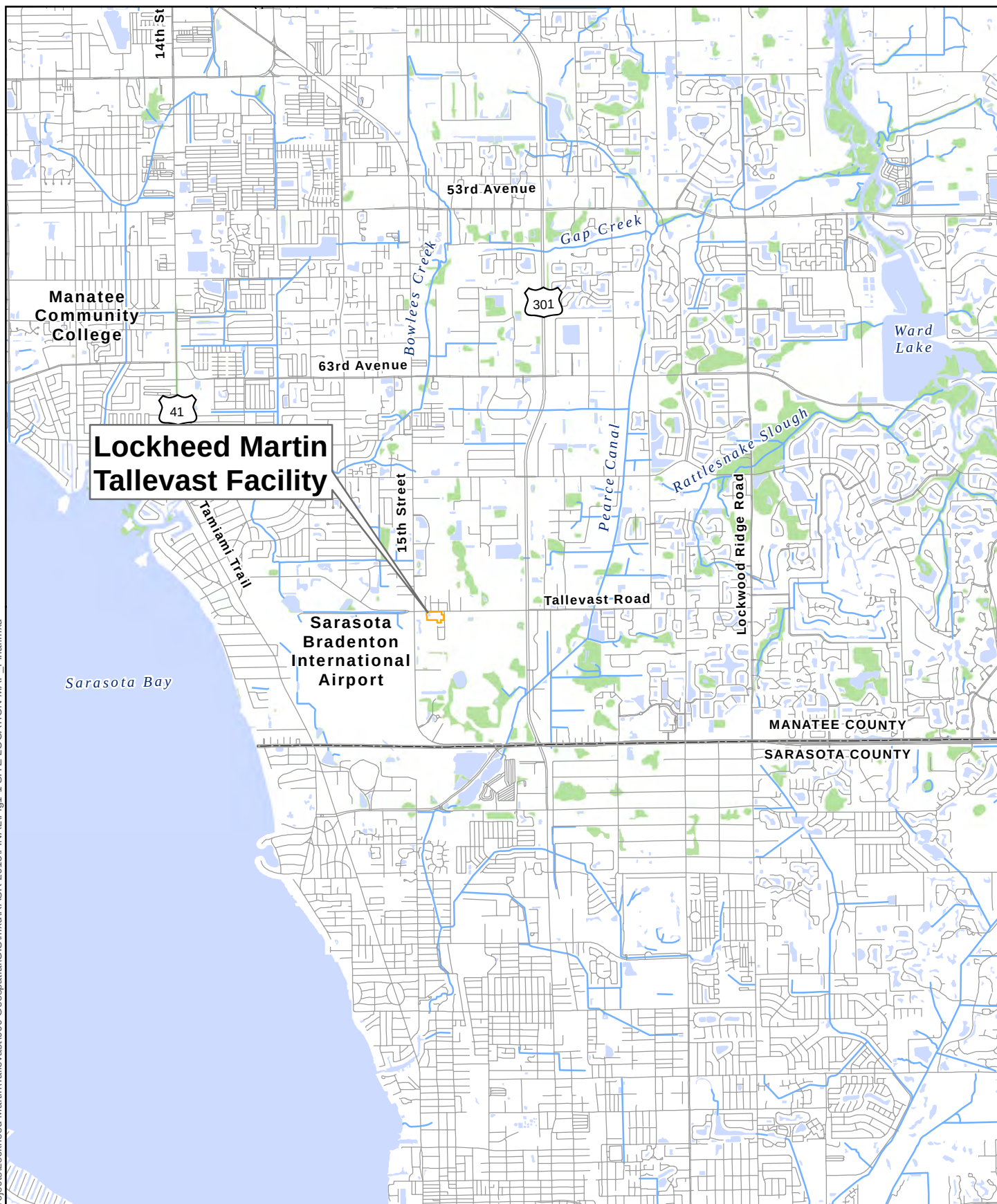

FIGURES

Document Path: \\usor12\p002\data\projects\Lockheed Martin\Tallevast\000_Geospacial\GIS\mxd\IRASR 2015\FINAL\Fig1-1 SITE LOCATION MAP_Final.mxd



Legend

 Lockheed Martin Tallevast Facility

0 1
Miles



Area Location

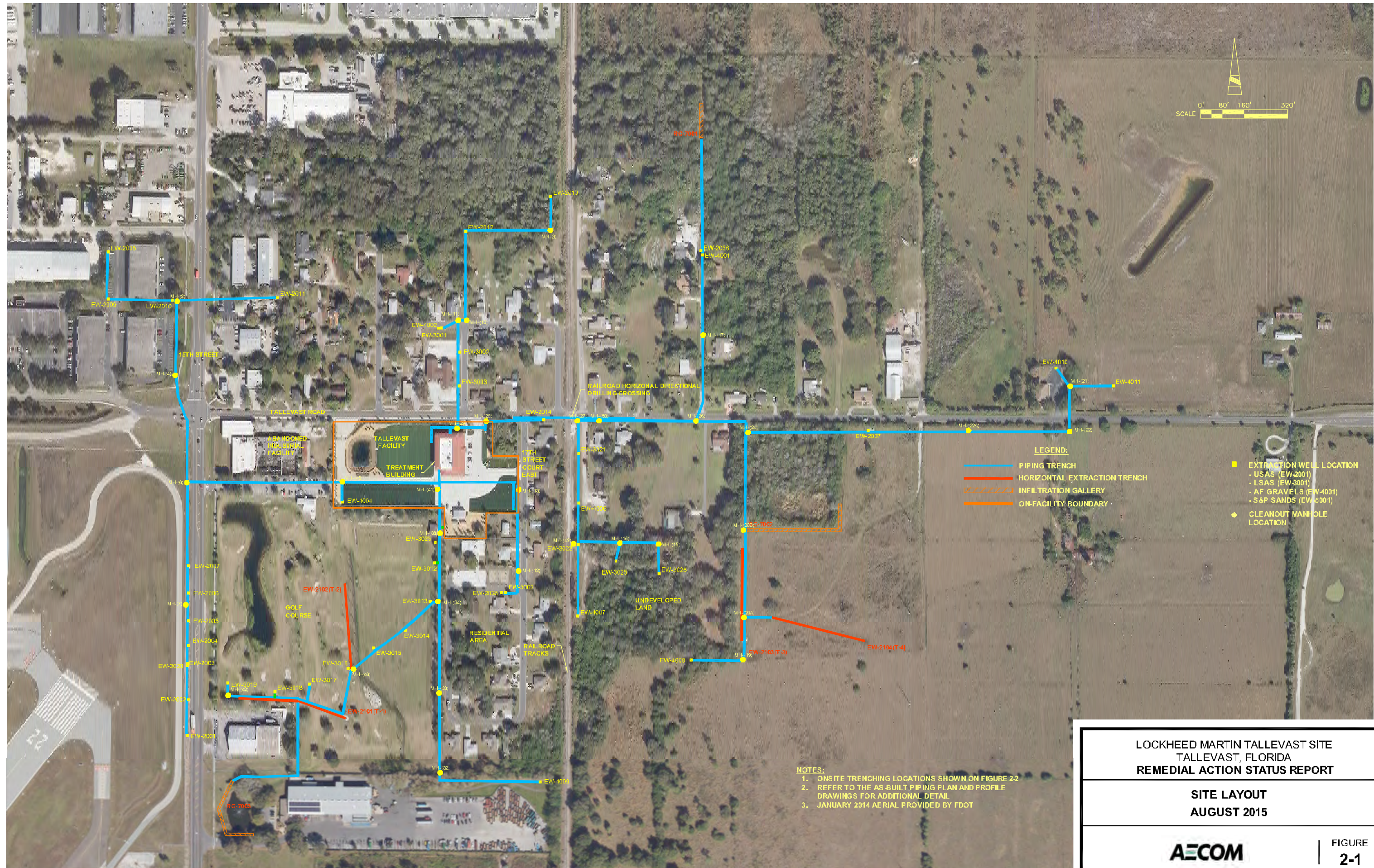
FLORIDA

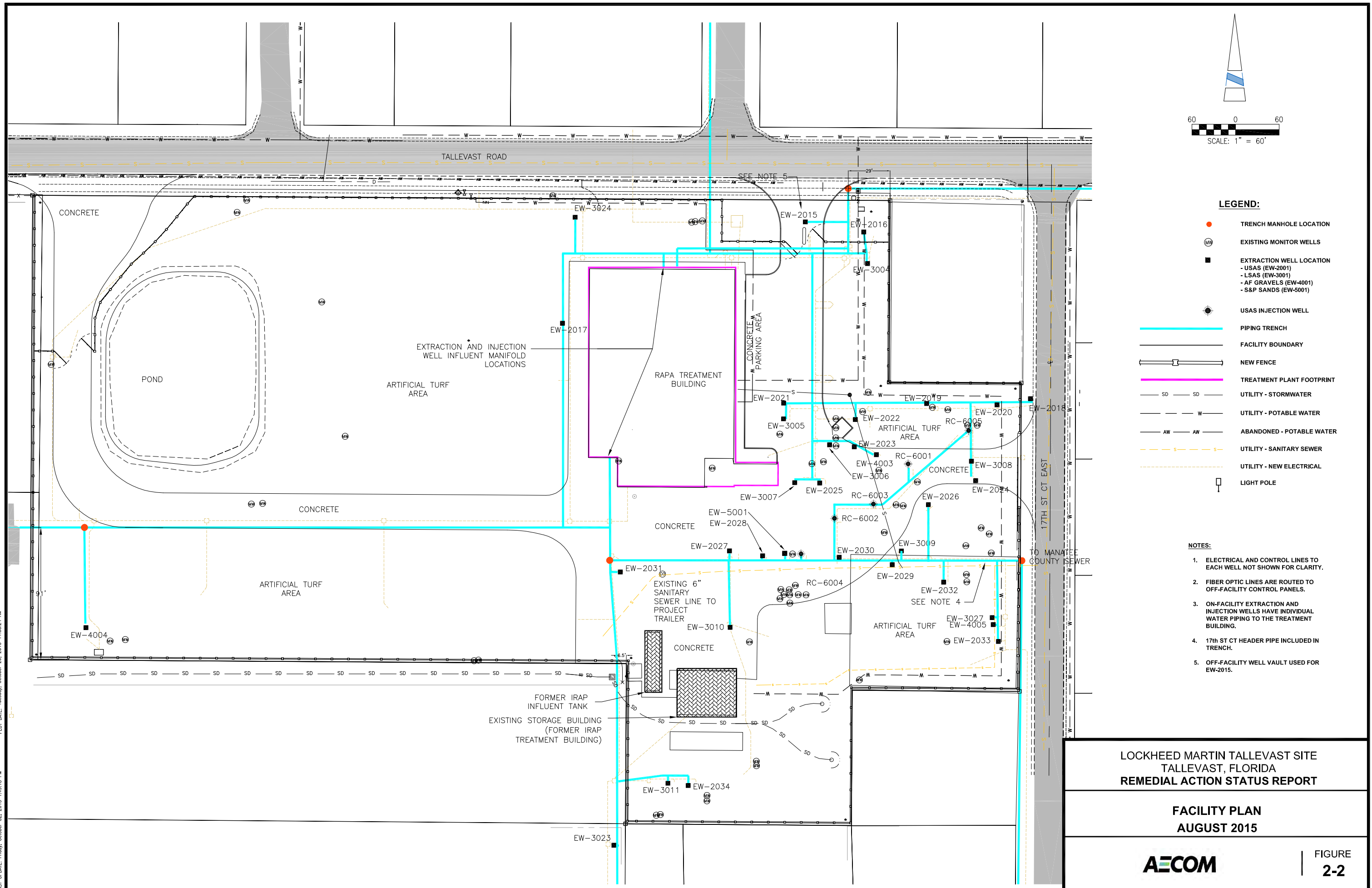
LOCKHEED MARTIN TALLEVAST SITE
TALLEVAST, FLORIDA
REMEDIAL ACTION STATUS REPORT

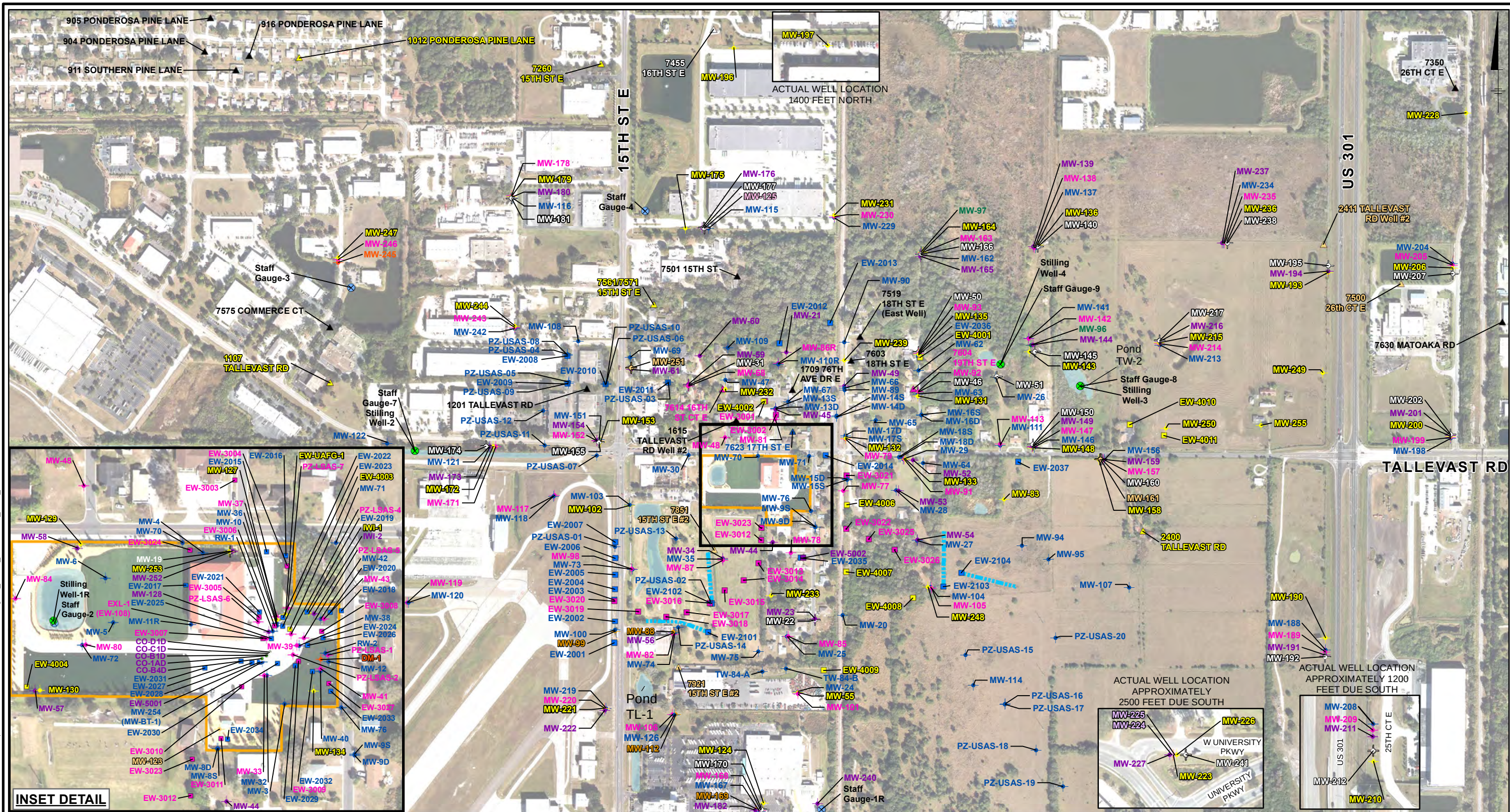
SITE LOCATION MAP
August 2015

AECOM

FIGURE
1-1



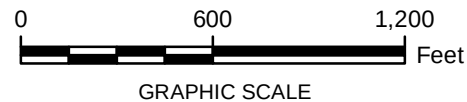




ZONE	WELL TYPE		
	EXTRACTION	MONITORING	PRIVATE
USAS	■	●	▲
HARD STREAK CLAY	■	●	▲
LSAS	■	●	▲
VENICE CLAY	■	●	▲
CLAY/SAND ZONE 1	■	●	▲
AF GRAVELS	■	●	▲
CLAY/SAND ZONE 2	■	●	▲
S&P SANDS	■	●	▲
CLAY/SAND ZONE 3-4	■	●	▲
LOWER AF SANDS	■	●	▲
FLORIDAN	■	●	▲

- ⊗ SURFACE WATER STAFF GAUGE
- ⊗ SURFACE WATER STILLING WELL
- ⊗ WETLAND MONITORING WELL
- CHEMICAL OXIDATION PILOT TEST WELL
- ▲ PRIVATE WELL CHARACTERISTICS UNKNOWN
- LOCKHEED MARTIN TALLEVAST FACILITY
- PONDS

- NOTES:
1. AERIAL PHOTOS WERE PROVIDED BY FDOT, JANUARY, 2014
 2. THIS MAP DOES NOT INCLUDE MONITORING WELLS INSTALLED BY OTHERS.
 3. UNLESS OTHERWISE NOTED, THE PRIVATE WELLS PRESENTED ON THIS FIGURE ARE ACTIVE WELLS.
 4. AF - ARCADIA FORMATION
 5. FT - FEET
 6. LSAS - LOWER SHALLOW AQUIFER SYSTEM
 7. S&P - SALT & PEPPER SANDS
 8. USAS - UPPER SURFICIAL AQUIFER SYSTEM



LOCKHEED MARTIN TALLEVAST SITE
TALLEVAST, FLORIDA
REMEDIAL ACTION STATUS REPORT

MONITOR, EXTRACTION, STILLING, AND PRIVATE WELL
AND STAFF GAUGE LOCATION MAP -
AUGUST 2015

AECOM

FIGURE
2-3

XREFS: PROJECTNAME: ---
IMAGES: AECOM_color.jpg

SYSTEM	QUATERNARY		TERTIARY	LITHO-STRATIGRAPHIC UNIT	HYDRO-STRATIGRAPHIC UNIT	LITHOLOGY	UNIT THICKNESS (FT)	WATER BEARING	DESIGNATED COLOR*
	PLEISTOCENE	HOLOCENE							
			PLIOCENE	UNDIFFERENTIATED SURFICIAL DEPOSITS (USD)	SURFICIAL AQUIFER SYSTEM (SAS)	UPPER SURFICIAL AQUIFER SYSTEM (USAS) - A series of undifferentiated (unconsolidated) silica sands with variable clay content and shell fragments. The sands are fine to medium grained and sub-rounded to rounded. Basal sections of the unit contain fine, horizontal laminations of silts and clays.	20-55	✓	
				PEACE RIVER FORMATION (PRF)		LOWER SHALLOW AQUIFER SYSTEM (LSAS) - The uppermost portion of the Peace River Formation (PRF) is represented by indurated moldic carbonate termed the Hard Streak, followed by a series of interbedded limestone, clay, and carbonate mudstone units forming the LSAS. These units are often fragmented into angular gravels during drilling.	6-36	✓	
						VENICE CLAY - A siliciclastic to calcareous clay unit with a distinctive greenish-grey to olive color. A calcirudite/calclutite unit within the Peace River Formation (sometimes described as "Lower PRF Gravels" due to fragmentation during drilling) carries a natural gamma spike believed to result from a high phosphatic content. There is a transitional contact with the underlying Arcadia formation.	5-35		
						CLAY/SAND ZONE 1 - A series of inter-bedded carbonate units, predominantly calcilutites. Vugs, pits and fractures are present within the well-consolidated sections of carbonate beds.	15-50		
						UPPER ARCADIA FORMATION (AF) GRAVELS - A lateral correlation can be made of a calcirudite/calclutite unit, often described as "gravel" due to fragmentation. The unit encountered at approximately 100 feet bgs in the surveyed area and can produce significant groundwater yields. It is associated with a distinctive natural gamma spike that is likely due to high phosphatic content.	5-15	✓	
						CLAY/SAND ZONE 2 - A series of inter-bedded carbonate (calcitic/dolomitic) units, predominantly calcilutites. Vugs, pits and fractures are present within the well-consolidated sections of carbonate beds.	10-55		
						SALT & PEPPER (S&P) SANDS - A laterally continuous, quartz-rich sand unit that has a high to moderate phosphatic content. The top of this unit is often approximately 145 feet bgs in the surveyed area. Due to the colorless quartz and black phosphatic sand, the unit has a "salt & pepper" appearance. This S&P sand unit is fine to medium grained and has varying silt and clay content, ranging from well-sorted sand to cohesive clayey sands.	5-15	✓	
						CLAY/SAND ZONE 3 - A series of interbedded carbonate units, predominantly calcilutites. Vugs, pits and fractures are present within the well-consolidated sections of carbonate beds.			
						LOWER ARCADIA FORMATION (AF) GRAVELS - A lateral correlation can be made of a calcirudite/calclutite unit. This unit is often encountered between approximately 280 and 290 feet bgs, and carries a distinctive natural gamma spike, which is believed to result from a high phosphatic content.	100-150		
						CLAY/SAND ZONE 4 - A series of inter-bedded carbonate (calcitic/dolomitic) units, predominantly calcilutites.			
						LOWER ARCADIA FORMATION (AF) SANDS - A laterally continuous, quartz-rich sand unit. The sand is fine to medium grained and has varying silt and clay content, ranging from poorly sorted to clayey sands.	1-15	✓	
						CLAY/SAND ZONE 5 - Underlying the Lower AF Sands is a series of carbonate units, predominantly calcilutites, which extend to the top of the Floridan Aquifer System.	~ 50		
						UPPER FLORIDAN AQUIFER - A series of heterogeneous limestone and dolomite units with highly developed secondary porosity due to dissolution.		✓	

*Designated color assigned to units on conceptual geologic cross-section and used in some other displays to indicate geologic unit.

Source of Figure: "Lockheed Martin Corporation Groundwater Sampling and Analysis Plan - Revision 2", ARCADIS June, 2012.

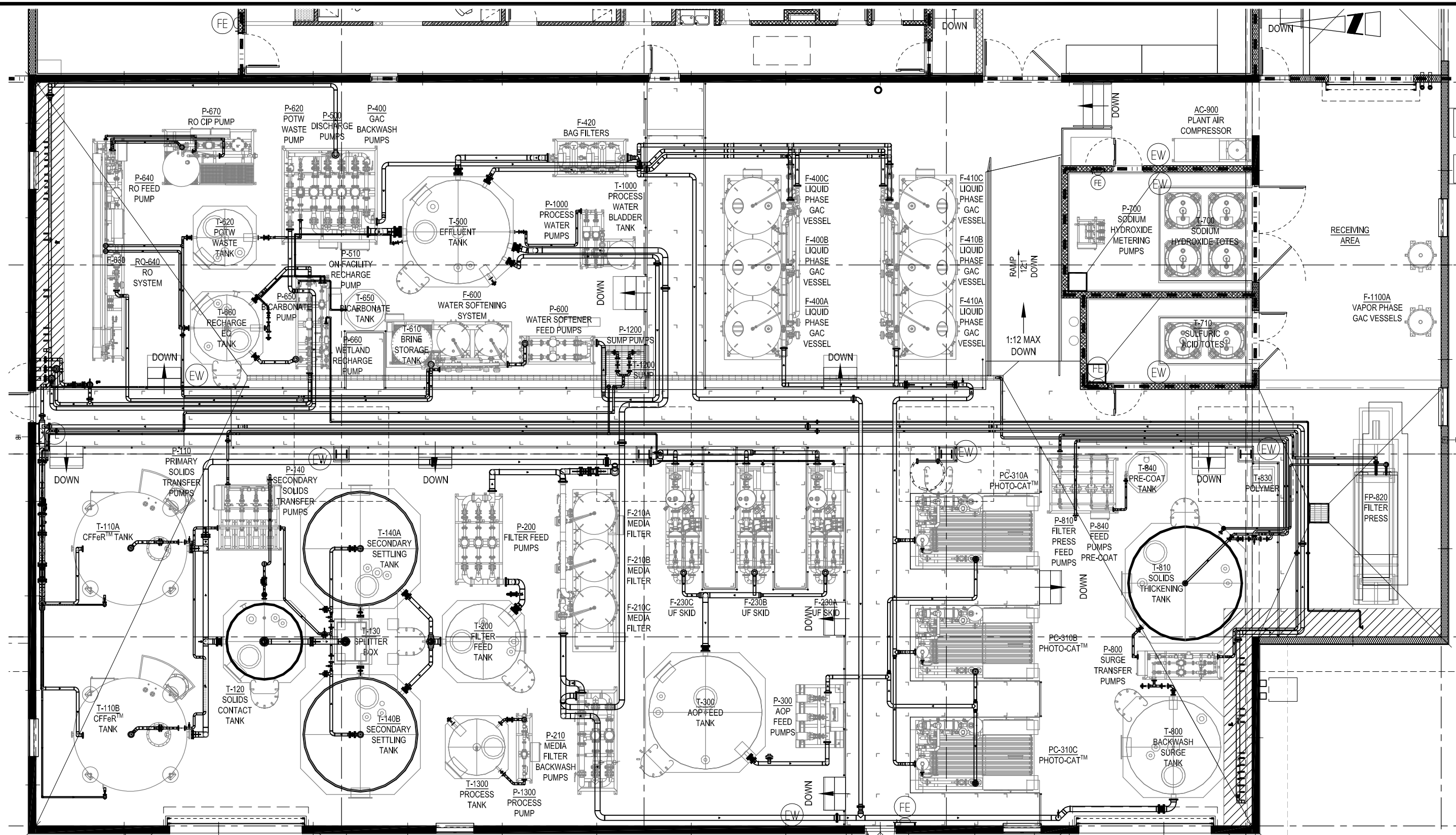
LOCKHEED MARTIN TALLEVAST SITE TALLEVAST, FLORIDA REMEDIAL ACTION STATUS REPORT

STRATIGRAPHIC COLUMN AUGUST 2015

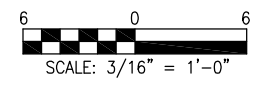
AECOM

FIGURE
2-4

PATH/FILENAME: \\US08L2P002\DATA\PROJECTS\LOCKHEED MARTIN\TALLEVAST\000_GOSPITAL\CAD\WASR 2015 CAD FIGURES\F02-5_GENERAL ARRANGEMENT.DWG
LAST UPDATE: Friday, October 02, 2015 2:25:04 PM
PLOT DATE: Tuesday, October 20, 2015 11:13:15 AM



GENERAL ARRANGEMENT PLAN
SCALE: 3/16" = 1'-0"



LOCKHEED MARTIN TALLEVAST SITE TALLEVAST, FLORIDA REMEDIAL ACTION STATUS REPORT	
GENERAL ARRANGEMENT PLAN AUGUST 2015	
AECOM	
FIGURE	2-5

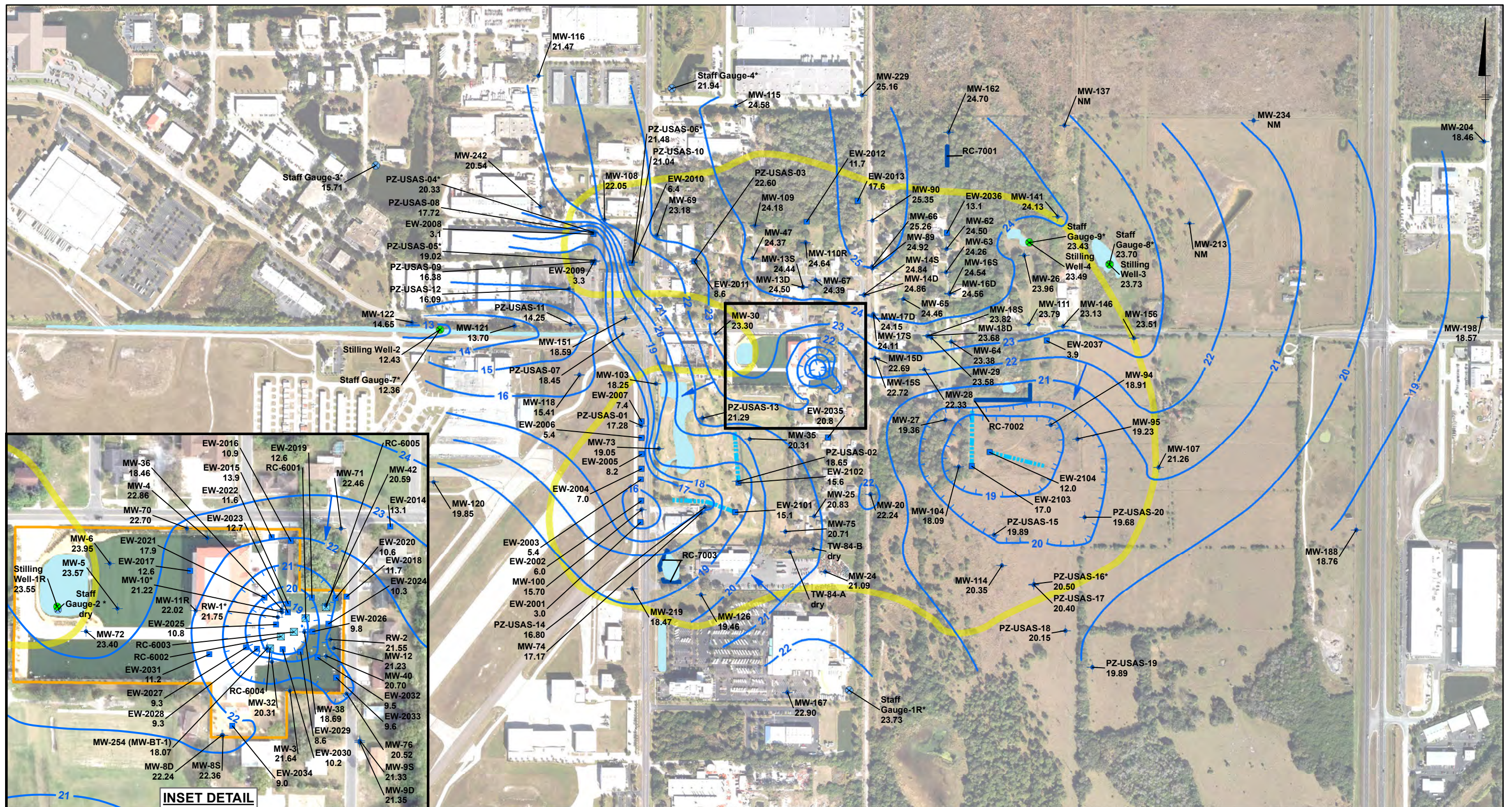
LOCKHEED MARTIN TALLEVAST REMEDIATION - PROCESS FLOW DIAGRAM

Chemicals used:

50% NaOH
93% H2SO4
12.5% NaOCl
10% NaCl
Air
Antiscalent
Pre-coat Diatomaceous Earth
NaHCO3 (currently not used)

The diagram illustrates the remediation process for groundwater at the Lockheed Martin Tallevast site. The process begins with groundwater from wells and building sump water entering a Y-strainer. The water then flows through two Primary Settling Tanks, where 110 gpm recirculation is maintained. The effluent from the settling tanks goes to a Solids Contact Tank, followed by two more Settling Tanks. Solids are removed at several points and sent to a Solids Thickener. The water then passes through a Filter Feed Tank and three Media Filters. The filtered water is then treated in three CUF (Catalytic Upflow Filtration) units (A, B, and C), which are cleaned with Caustic, Hypo, and Acid. The CUF units are also cleaned with Caustic, Hypo, and Acid. The effluent from the CUF units goes to an AOP Feed Tank, which is cleaned with Acid, Air, and Caustic. The water then passes through three AOP (Advanced Oxidation Process) units (A, B, and C), which are cleaned with Acid, Air, and Caustic. The effluent from the AOP units goes through three GAC (Granular Activated Carbon) Filters. The effluent from the GAC filters is then treated in Softeners and RO (Reverse Osmosis) units. The Softeners and RO units are cleaned with Antiscalent and Salt. The effluent from the Softeners and RO units is sent to a Wetlands Recharge Tank, which can be used for infiltration galleries or on-facility injection wells. The RO concentrate and softener regeneration waste are sent to POTW (Potable Treatment Water). Backwash water from the MMF and GAC is sent to a BW Surge Tank, which can be used for infiltration galleries or on-facility injection wells. The effluent from the Softeners and RO units is also sent to POTW. The effluent from the GAC filters is sent to POTW or used for irrigation (currently not used). The effluent from the Softeners and RO units is also sent to POTW. The effluent from the GAC filters is sent to POTW or used for irrigation (currently not used).

FIGURE
2-6



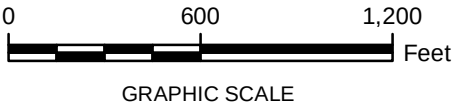
LEGEND:

- Monitoring Well Location - USAS
- Extraction Well Location - USAS
- Horizontal Extraction Trench
- Injection Well - USAS
- Infiltration Gallery
- Stilling Well
- Staff Gauge
- Groundwater Elevation Contour (Feet MSL)
- Groundwater Depression
- Interpreted Groundwater Flow Direction
- MW-32 Monitoring Well ID
- 21.92 Potentiometric Elevation (Feet MSL)
- Estimated USAS Capture Zone
- Lockheed Martin Tallevast Facility
- Ponds

NOTES:

- January 2014 aerial provided by FDOT
- Vertical datum is North American Vertical Datum of 1988 (NAVD88).
- Groundwater elevations were obtained during the August 2015 monitoring event. Water levels measured on 08/05/2015.
- MSL - Mean Sea Level

- USAS - Upper Surficial Aquifer System
- Extraction Wells Not Used in Contouring
- * Not used in Contouring
- NM - Not Measured



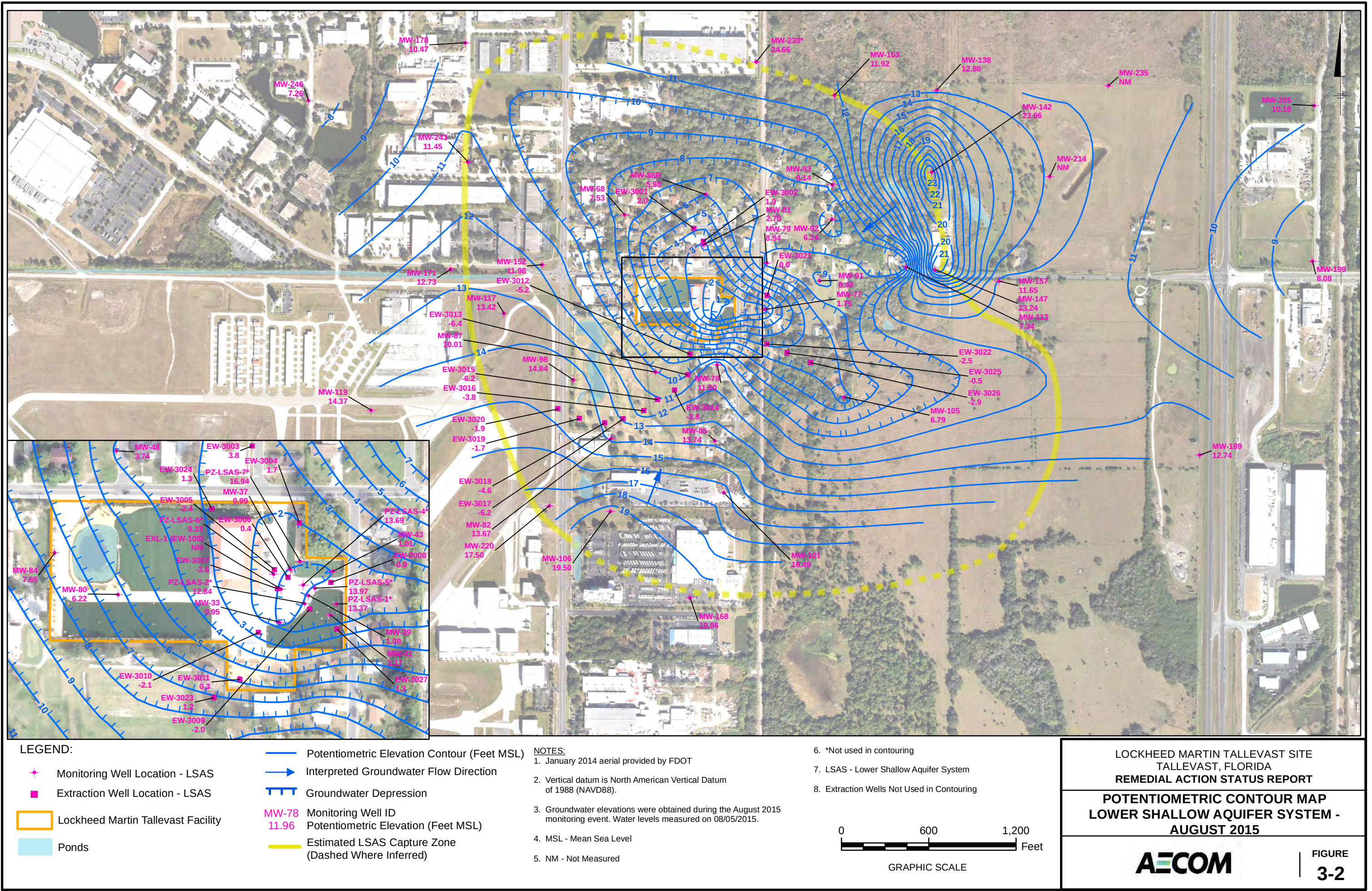
LOCKHEED MARTIN TALLEVAST SITE
TALLEVAST, FLORIDA
REMEDIAL ACTION STATUS REPORT

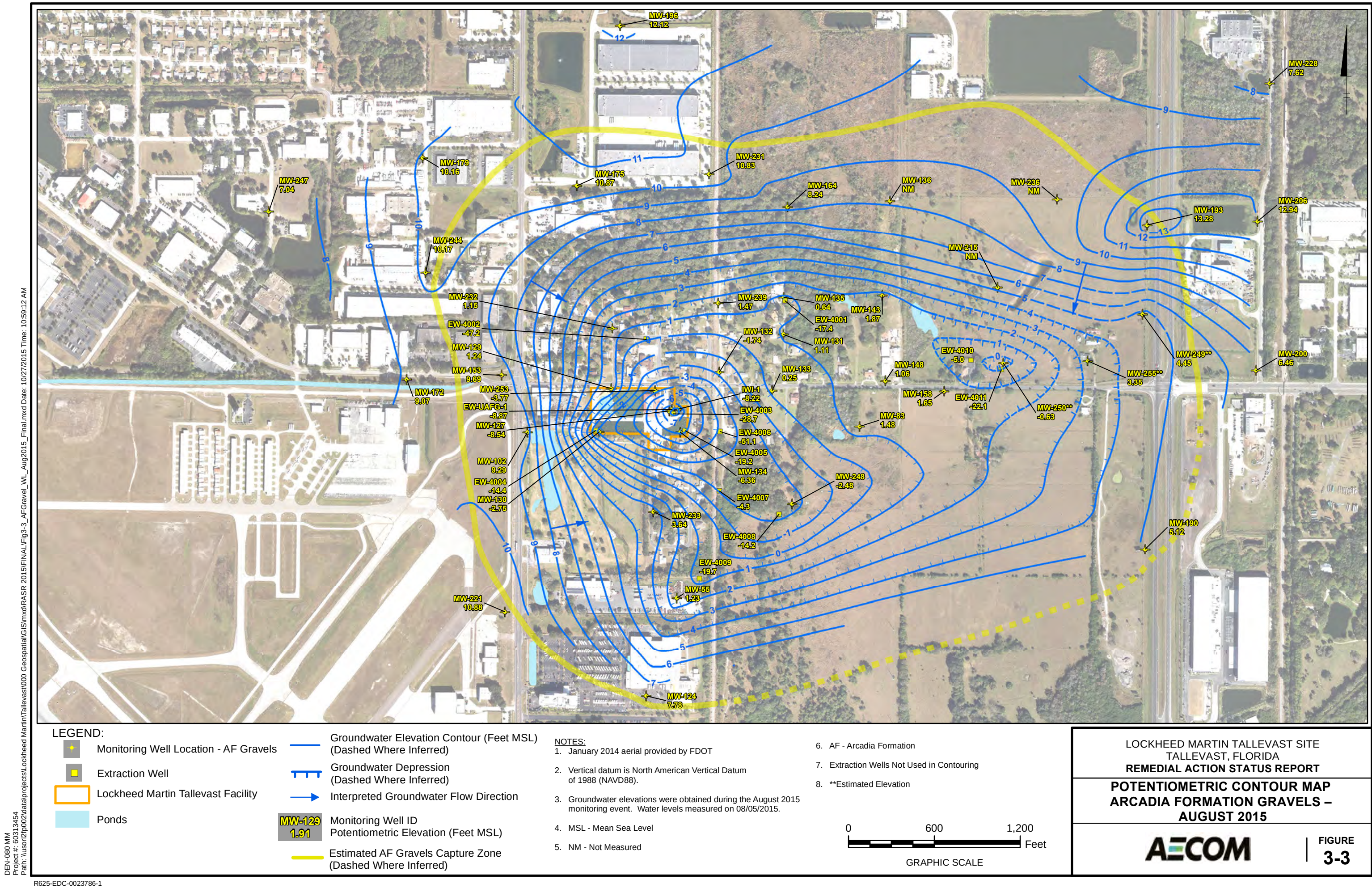
GROUNDWATER CONTOUR MAP
UPPER SURFICIAL AQUIFER SYSTEM -
AUGUST 2015

AECOM

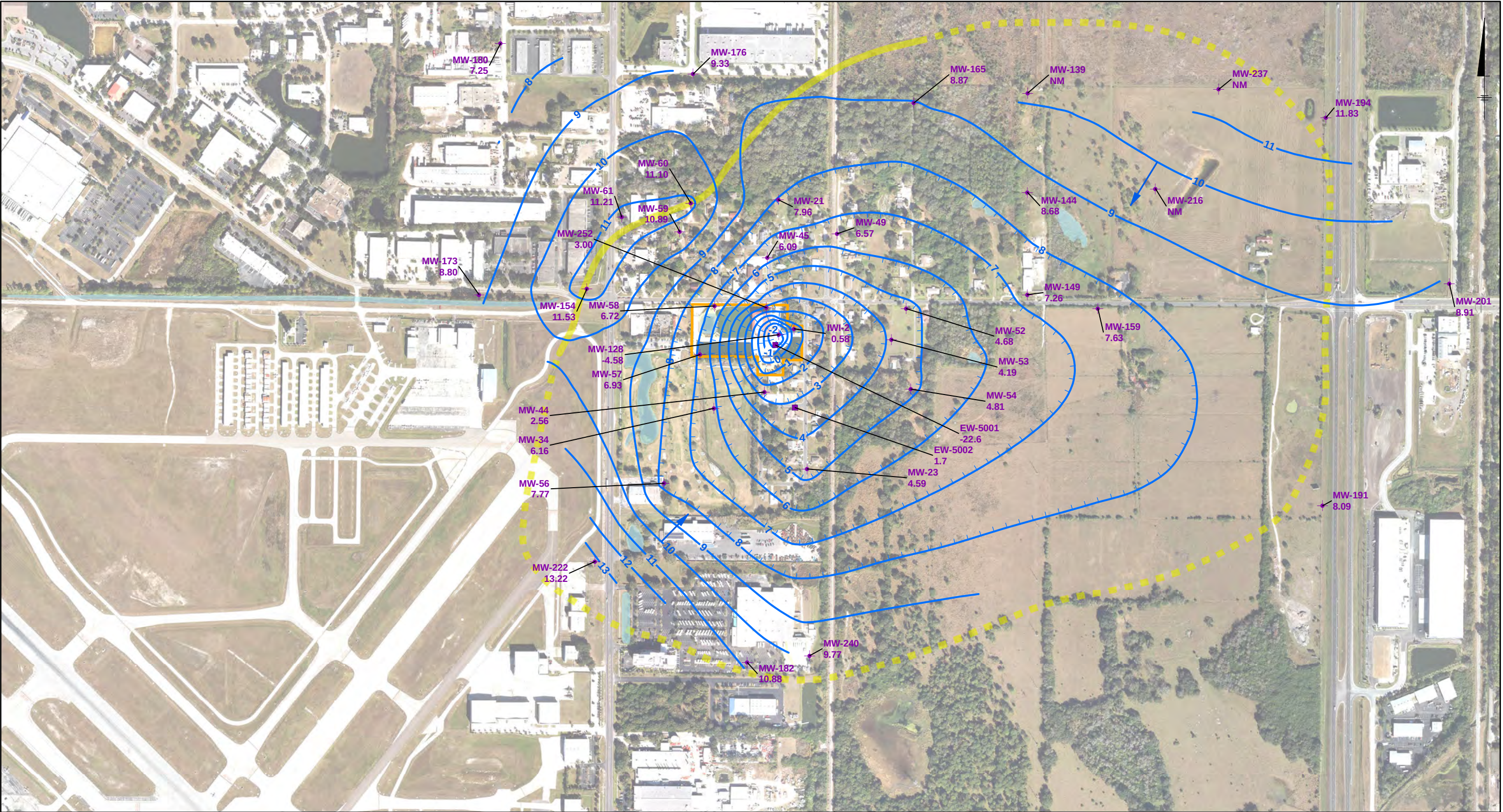
FIGURE
3-1

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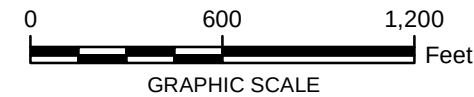
- Monitoring Well Location - S&P Sands
- Extraction Well
- Lockheed Martin Tallevast Facility
- Ponds

- Potentiometric Elevation Contour (Feet MSL)
- Groundwater Depression
- Interpreted Groundwater Flow Direction
- Monitoring Well ID
MW-44
-4.82
- Potentiometric Elevation (Feet MSL)
- Estimated S&P Sands Capture Zone
(Dashed Where Inferred)

NOTES:

- January 2014 aerial provided by FDOT
- Vertical datum is North American Vertical Datum of 1988 (NAVD88).
- Groundwater elevations were obtained during the August 2015 monitoring event. Water levels measured on 08/05/2015.
- MSL - Mean Sea Level
- NM - Not Measured

- S&P - Salt & Pepper
- Extraction Wells Not Used in Contouring



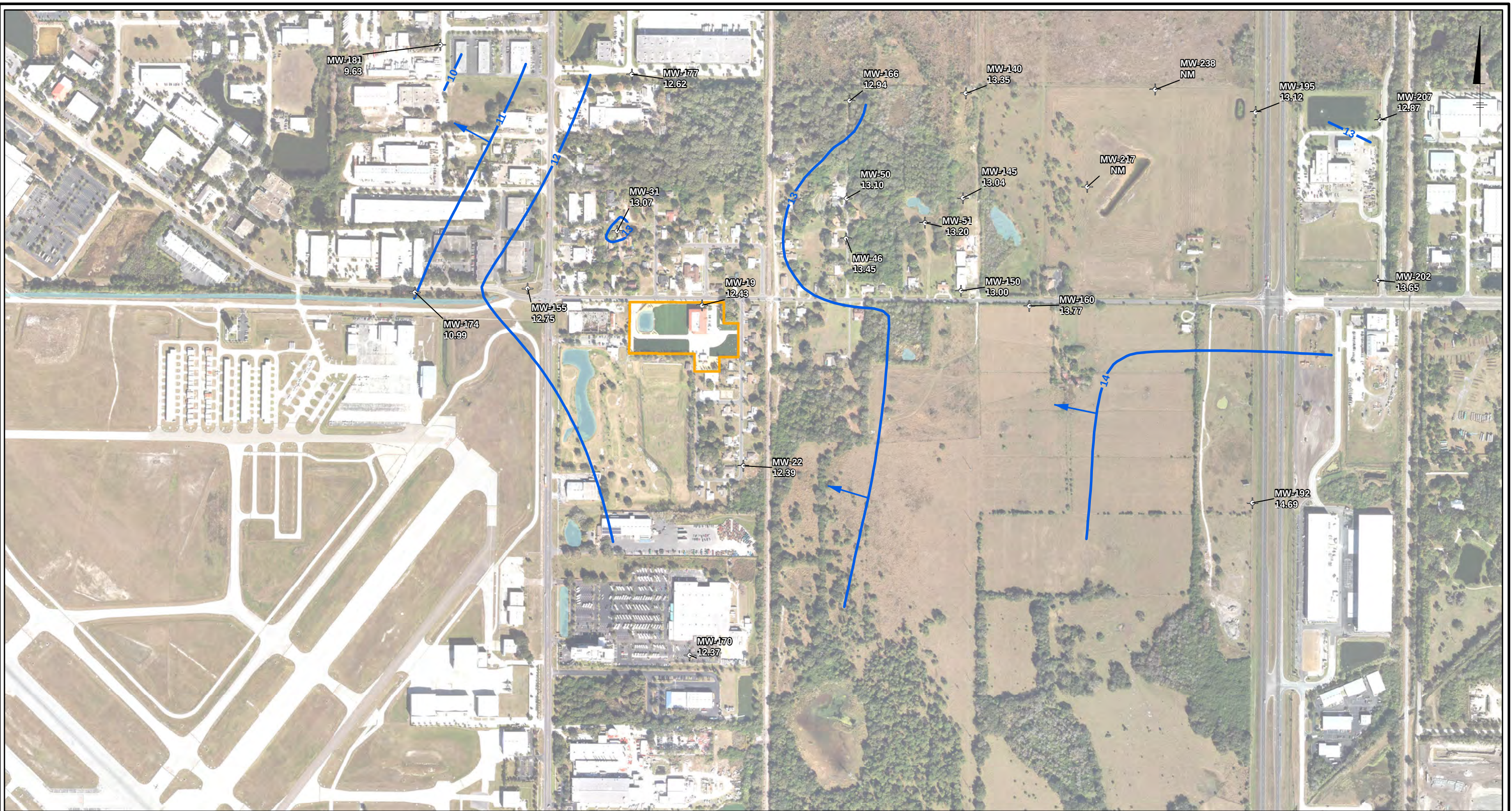
LOCKHEED MARTIN TALLEVAST SITE
TALLEVAST, FLORIDA
REMEDIAL ACTION STATUS REPORT

POTENTIOMETRIC CONTOUR MAP
SALT & PEPPER SANDS -
AUGUST 2015



FIGURE
3-4

Path: \\usor12p002\data\projects\Lockheed Martin\Tallevast\000_Geospacial\GIS\mxd\RASR 2015\FINAL\Fig3-5_LowerAF_WL_Aug2015_Final.mxd Date: 10/27/2015 Time: 3:20:36 PM

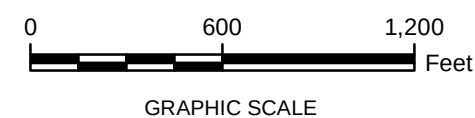


LEGEND:

- Monitoring Well Location - Lower AF Sands
- Lockheed Martin Tallevast Facility
- Ponds
- Potentiometric Elevation Contour (Feet MSL)
- Interpreted Groundwater Flow Direction
- MW-19 12.73 Monitoring Well ID Potentiometric Elevation (Feet MSL)

NOTES:

1. JANUARY 2014 AERIAL PROVIDED BY FDOT
2. VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
3. GROUNDWATER ELEVATIONS WERE OBTAINED DURING THE AUGUST 2015 MONITORING EVENT. WATER LEVELS MEASURED ON 08/05/2015.
4. MSL - MEAN SEA LEVEL
5. NM - NOT MEASURED
6. AF - ARCADIA FORMATION



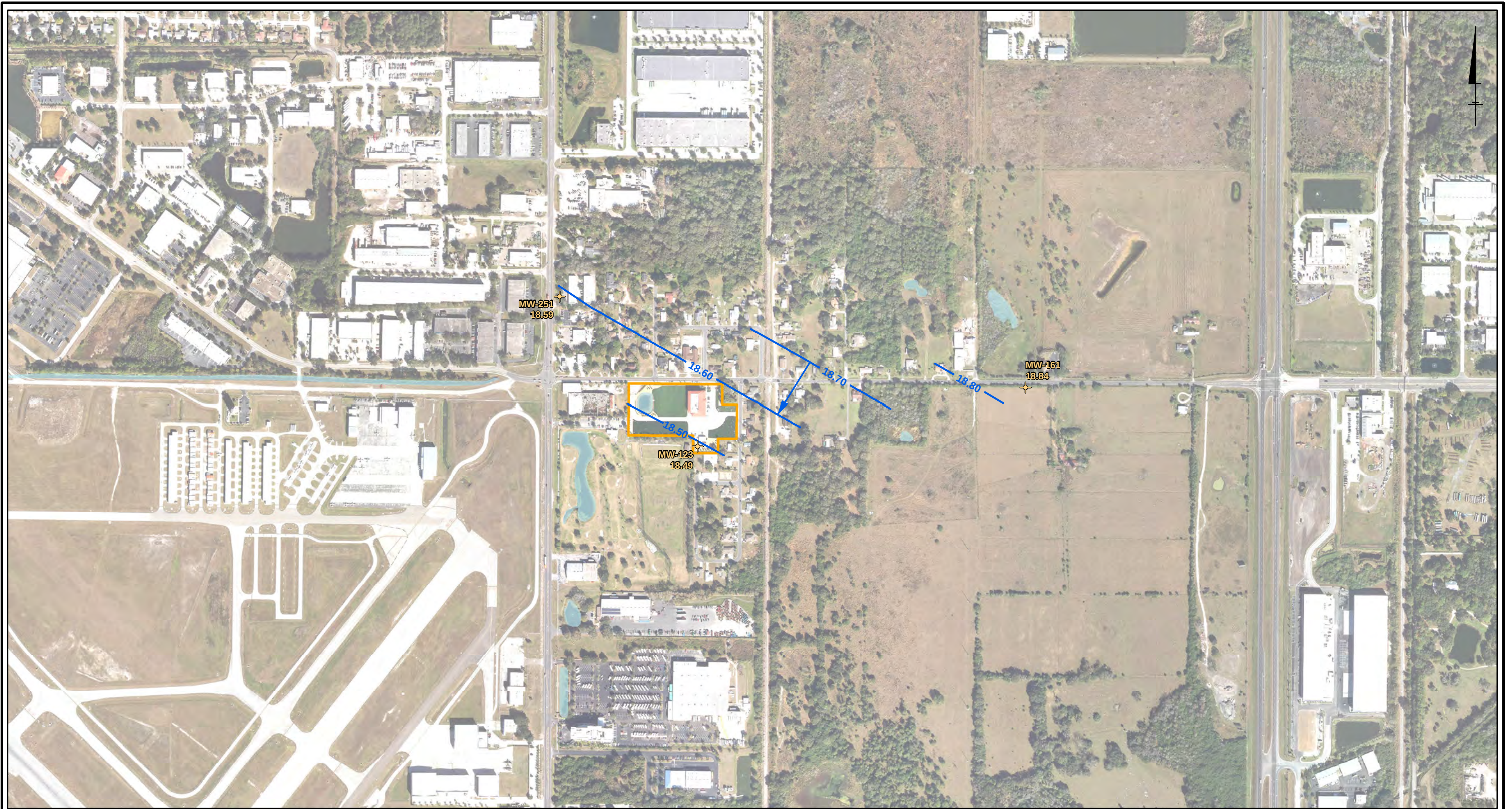
LOCKHEED MARTIN TALLEVAST SITE
TALLEVAST, FLORIDA
REMEDIAL ACTION STATUS REPORT

POTENTIOMETRIC CONTOUR MAP
LOWER ARCADIA FORMATION SANDS -
AUGUST 2015

AECOM

FIGURE
3-5

DEN-080 MSS
Project #: B0038055.0000
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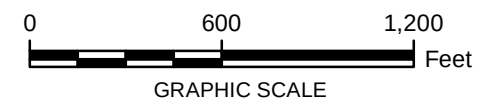
LEGEND:

- Monitoring Well Location - Floridan
- Lockheed Martin Tallevast Facility
- Ponds

- Potentiometric Elevation Contour (Feet MSL)
- Interpreted Groundwater Flow Direction
- Monitoring Well ID
- Potentiometric Elevation (Feet MSL)

NOTES:

- January 2014 aerial provided by FDOT
- Vertical datum is North American Vertical Datum of 1988 (NAVD88).
- Groundwater elevations were obtained during the August 2015 monitoring event. Water levels measured on 8/05/2015.
- MSL - Mean Sea Level



LOCKHEED MARTIN TALLEVAST SITE
TALLEVAST, FLORIDA
REMEDIAL ACTION STATUS REPORT

POTENTIOMETRIC CONTOUR MAP
FLORIDAN - AUGUST 2015

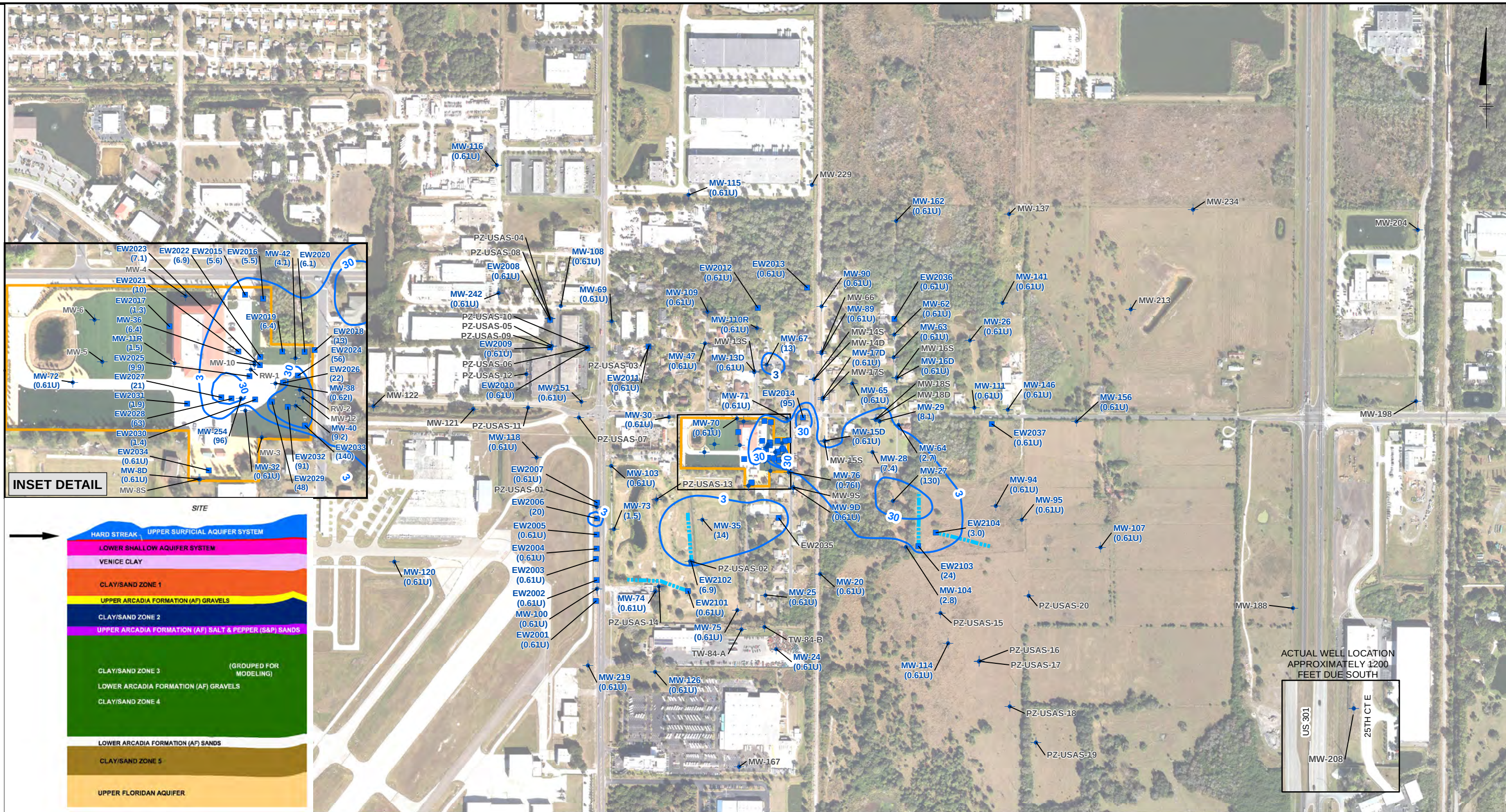
AECOM

FIGURE
3-6

A horizontal graphic scale bar. It is a thick black line with tick marks at 0, 600, and 1,200 feet. The word "Feet" is at the right end. Below the bar is the text "GRAPHIC SCALE".

FIGURE 4-1

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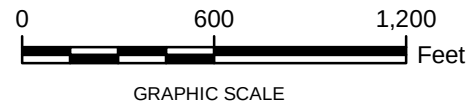


LEGEND:

- | | | | |
|--|------------------------------|-------|--|
| | USAS MONITORING WELL | 0.50U | TRICHLOROETHENE RESULT VALUE (µg/L) |
| | EXTRACTION WELL | | TRICHLOROETHENE CONTOUR (DASHED WHERE INFERRED) (GCTL) |
| | HORIZONTAL EXTRACTION TRENCH | | TRICHLOROETHENE CONTOUR (10X GCTL) |
| | | | LOCKHEED MARTIN TALLEVAST FACILITY |

NOTES:

1. JANUARY 2014 AERIAL PROVIDED BY FDOT
2. U - THE ANALYTE WAS ANALYZED FOR, BUT NOT DETECTED.
3. I - THE REPORTED VALUE IS BETWEEN THE LABORATORY METHOD DETECTION LIMIT AND THE LABORATORY PRACTICAL QUANTITATION LIMIT.
4. µg/L - MICROGRAMS PER LITER
5. WELLS SHOWN IN GRAY WERE NOT SAMPLED DURING THE AUGUST 2015 EVENT.
6. USAS - UPPER SURFICIAL AQUIFER SYSTEM
7. GCTL - GROUNDWATER CLEANUP TARGET LEVEL
8. CONTOURING BASED ON MONITORING WELL DATA WITH CONSIDERATION OF OTHER FACTORS, SUCH AS EXTRACTION WELL DATA AND MODELING INFORMATION



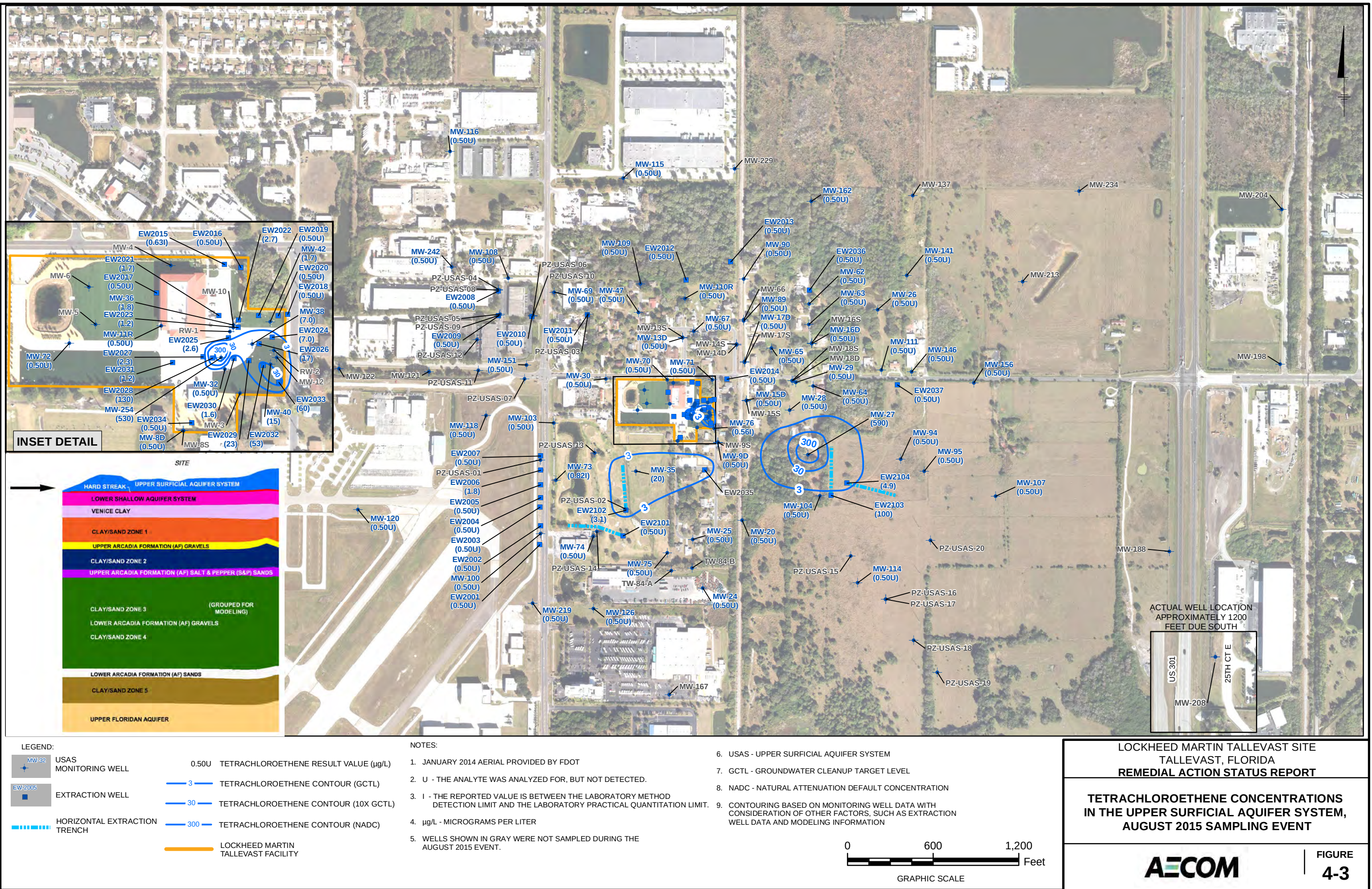
LOCKHEED MARTIN TALLEVAST SITE
TALLEVAST, FLORIDA
REMEDIAL ACTION STATUS REPORT

TRICHLOROETHENE CONCENTRATIONS
IN THE UPPER SURFICIAL AQUIFER SYSTEM,
AUGUST 2015 SAMPLING EVENT

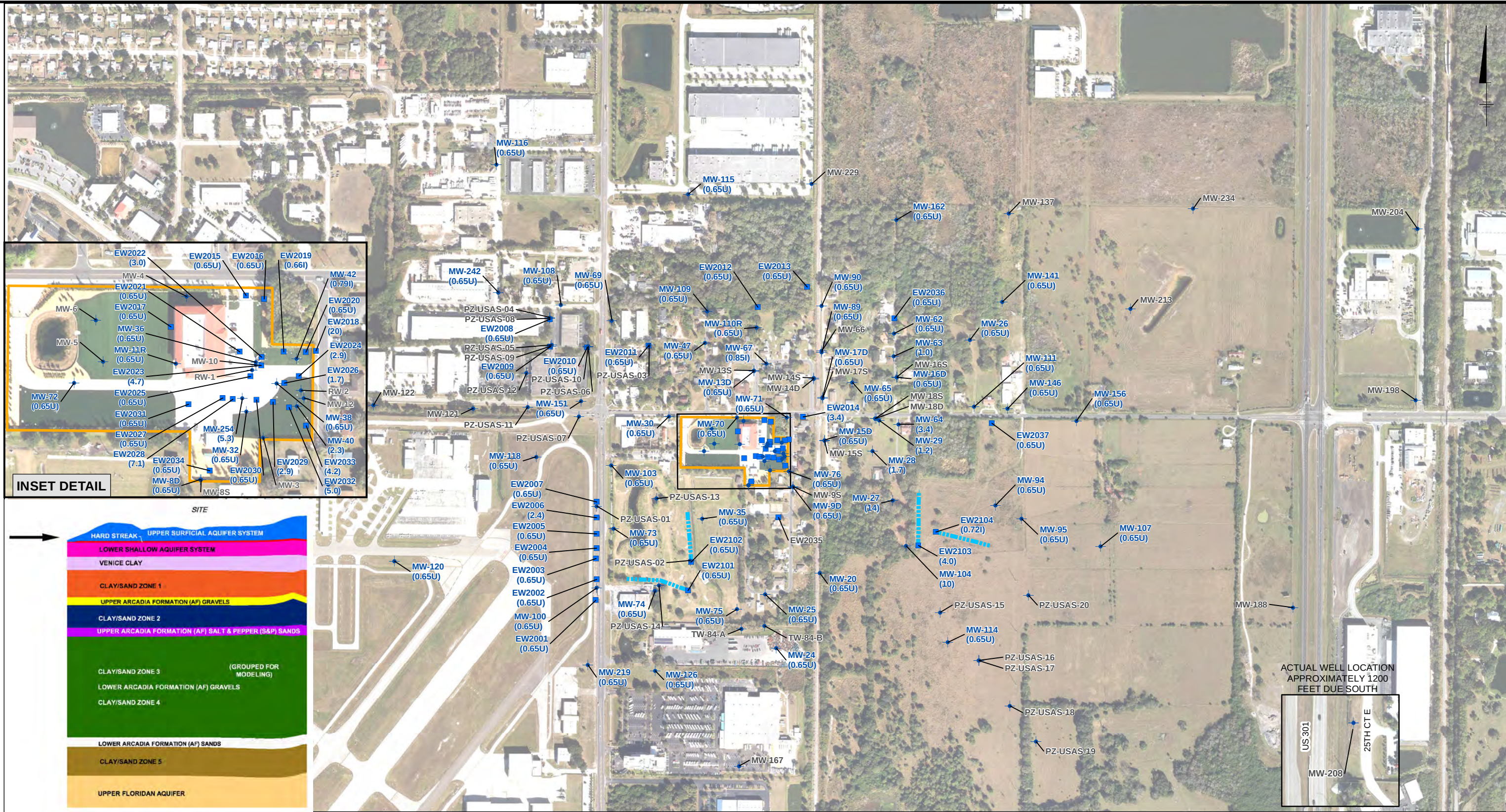
AECOM

FIGURE
4-2

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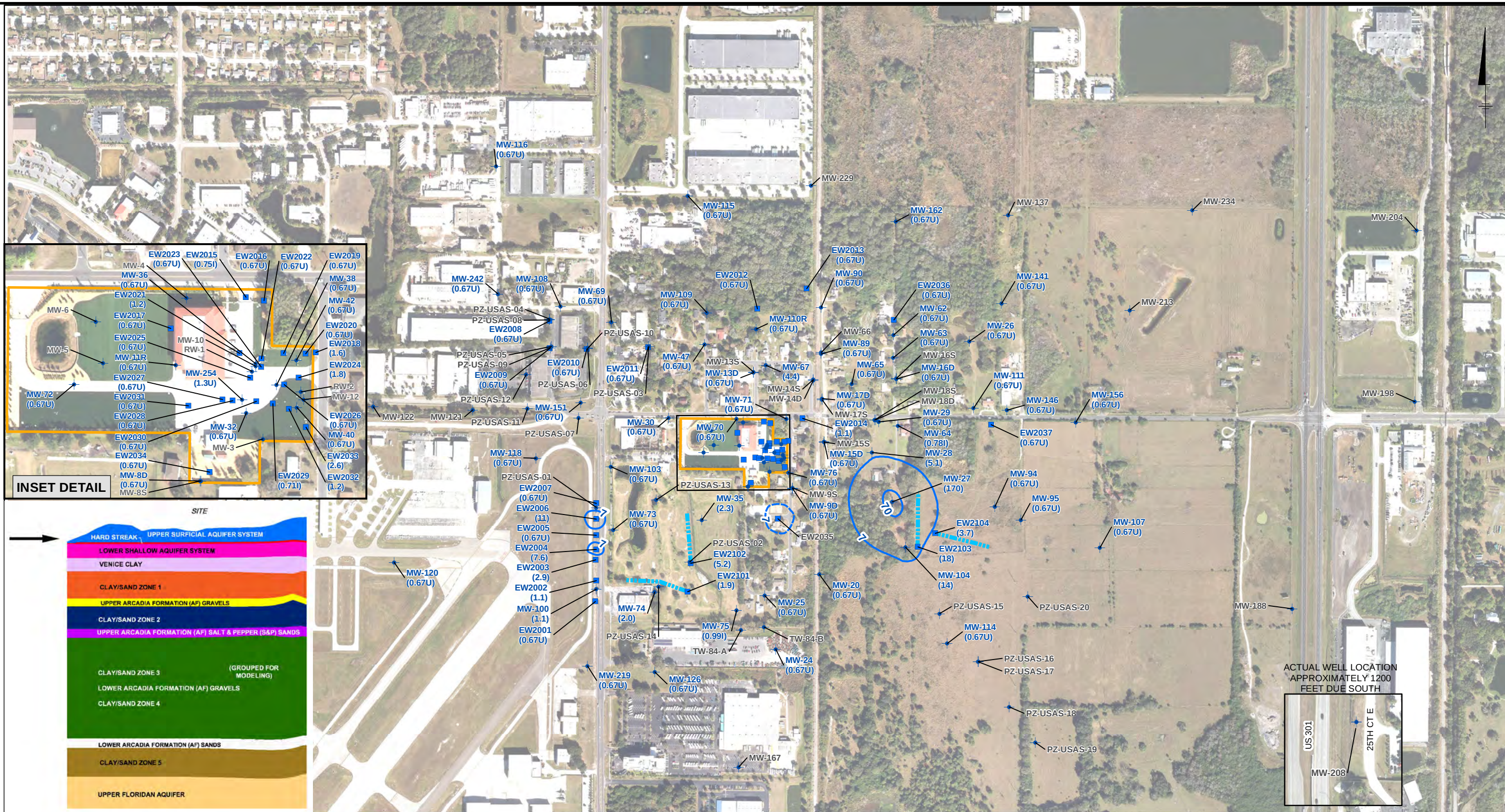
LOCKHEED MARTIN TALLEVAST SITE
TALLEVAST, FLORIDA
REMEDIAL ACTION STATUS REPORT

CIS-1,2-DICHLOROETHENE CONCENTRATIONS
IN THE UPPER SURFICIAL AQUIFER SYSTEM,
AUGUST 2015 SAMPLING EVENT

AECOM

FIGURE
4-4

Path: \\usor2p002\data\projects\Lockheed Martin\Tallevast\000_Geospata\GIS\mxd\BASR 2015\FINAL\Fig4-05_USAS_0815_11DCE_Final.mxd Date: 10/27/2015 Time: 2:33:56 PM

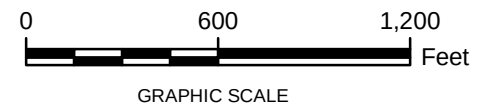


LEGEND:

- | | | | |
|--|------------------------------------|-------|---|
| | USAS MONITORING WELL | 0.45U | 1,1-DICHLOROETHENE RESULT VALUE (µg/L) |
| | EXTRACTION WELL | | 1,1-DICHLOROETHENE CONTOUR (GCTL) (DASHED WHERE INFERRED) |
| | HORIZONTAL EXTRACTION TRENCH | | 1,1-DICHLOROETHENE CONTOUR (NADC) |
| | LOCKHEED MARTIN TALLEVAST FACILITY | | |

NOTES:

1. JANUARY 2014 AERIAL PROVIDED BY FDOT
2. U - THE ANALYTE WAS ANALYZED FOR, BUT NOT DETECTED.
3. I - THE REPORTED VALUE IS BETWEEN THE LABORATORY METHOD DETECTION LIMIT AND THE LABORATORY PRACTICAL QUANTITATION LIMIT.
4. µg/L - MICROGRAMS PER LITER
5. WELLS SHOWN IN GRAY WERE NOT SAMPLED DURING THE AUGUST 2015 EVENT.
6. USAS - UPPER SURFICIAL AQUIFER SYSTEM
7. GCTL - GROUNDWATER CLEANUP TARGET LEVEL
8. CONTOURING BASED ON MONITORING WELL DATA WITH CONSIDERATION OF OTHER FACTORS, SUCH AS EXTRACTION WELL DATA AND MODELING INFORMATION



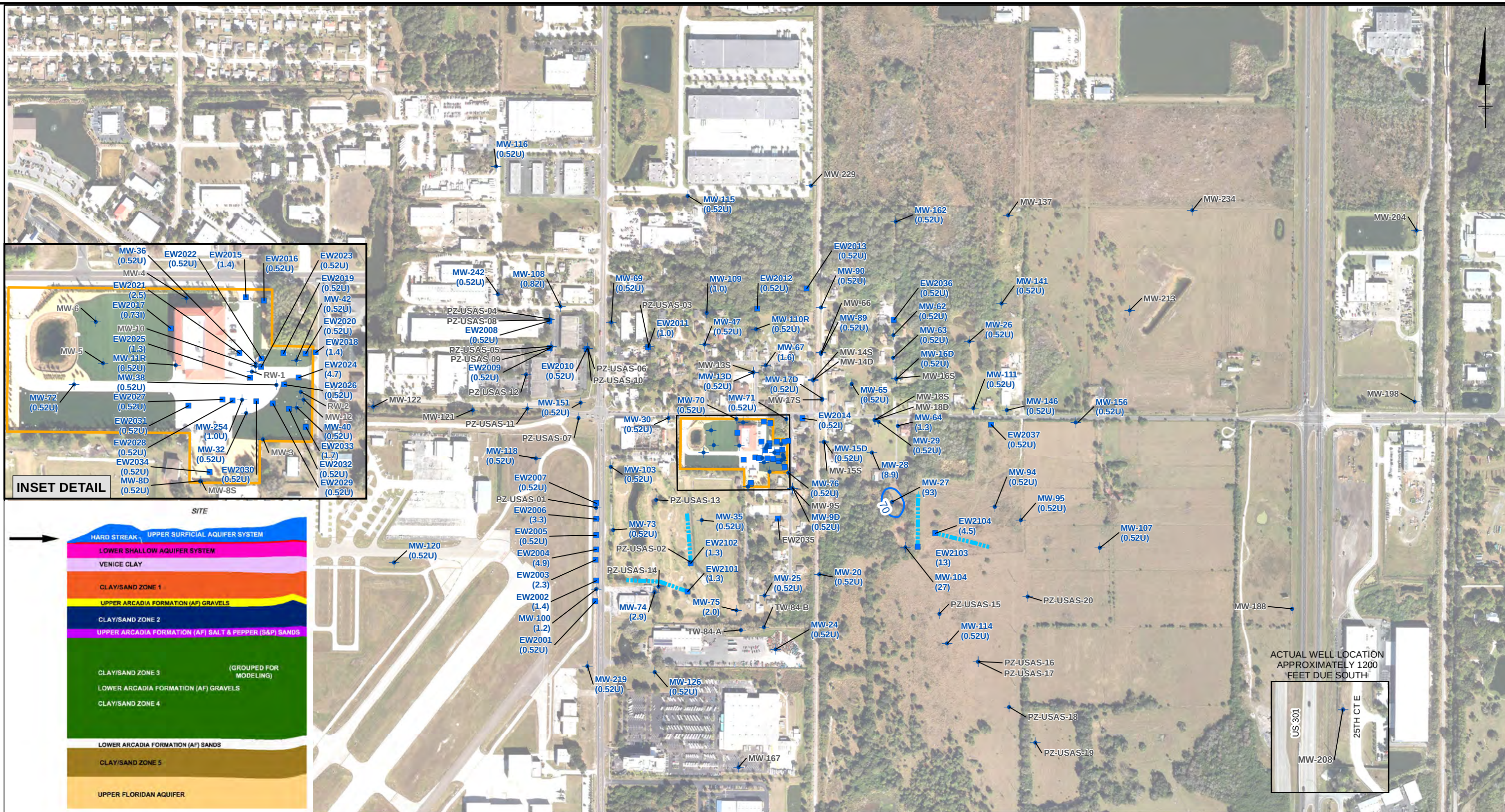
LOCKHEED MARTIN TALLEVAST SITE
TALLEVAST, FLORIDA
REMEDIAL ACTION STATUS REPORT

1,1-DICHLOROETHENE CONCENTRATIONS
IN THE UPPER SURFICIAL AQUIFER SYSTEM,
AUGUST 2015 SAMPLING EVENT

AECOM

FIGURE
4-5

Path: \\usor2\p002\data\projects\Lockheed Martin\Tallevast\000_Geospata\GIS\mxd\BASR 2015\FINAL\Fig4-06_USAS_0815_11DCA_Final.mxd Date: 10/27/2015 Time: 11:30:51 AM

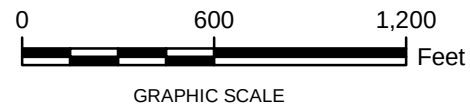


LEGEND:

- | | | | |
|---|------------------------------|--|--|
|  MW-100 | USAS MONITORING WELL | 0.52U | 1,1-DICHLOROETHANE RESULT VALUE (µg/L) |
|  EW-2005 | EXTRACTION WELL |  70 | 1,1-DICHLOROETHANE CONTOUR (GCTL) |
|  | HORIZONTAL EXTRACTION TRENCH |  | LOCKHEED MARTIN TALLEVAST FACILITY |

NOTES:

1. JANUARY 2014 AERIAL PROVIDED BY FDOT
2. U - THE ANALYTE WAS ANALYZED FOR, BUT NOT DETECTED.
3. I - THE REPORTED VALUE IS BETWEEN THE LABORATORY METHOD DETECTION LIMIT AND THE LABORATORY PRACTICAL QUANTITATION LIMIT.
4. J3 - ESTIMATED VALUE; VALUE MAY NOT BE ACCURATE. SPIKE RECOVERY OR RPD OUTSIDE OF CRITERIA.
5. µg/L - MICROGRAMS PER LITER
6. WELLS SHOWN IN GRAY WERE NOT SAMPLED DURING THE AUGUST 2015 EVENT.
7. USAS - UPPER SURFICIAL AQUIFER SYSTEM
8. GCTL - GROUNDWATER CLEANUP TARGET LEVEL
9. CONTOURING BASED ON MONITORING WELL DATA WITH CONSIDERATION OF OTHER FACTORS, SUCH AS EXTRACTION WELL DATA AND MODELING INFORMATION



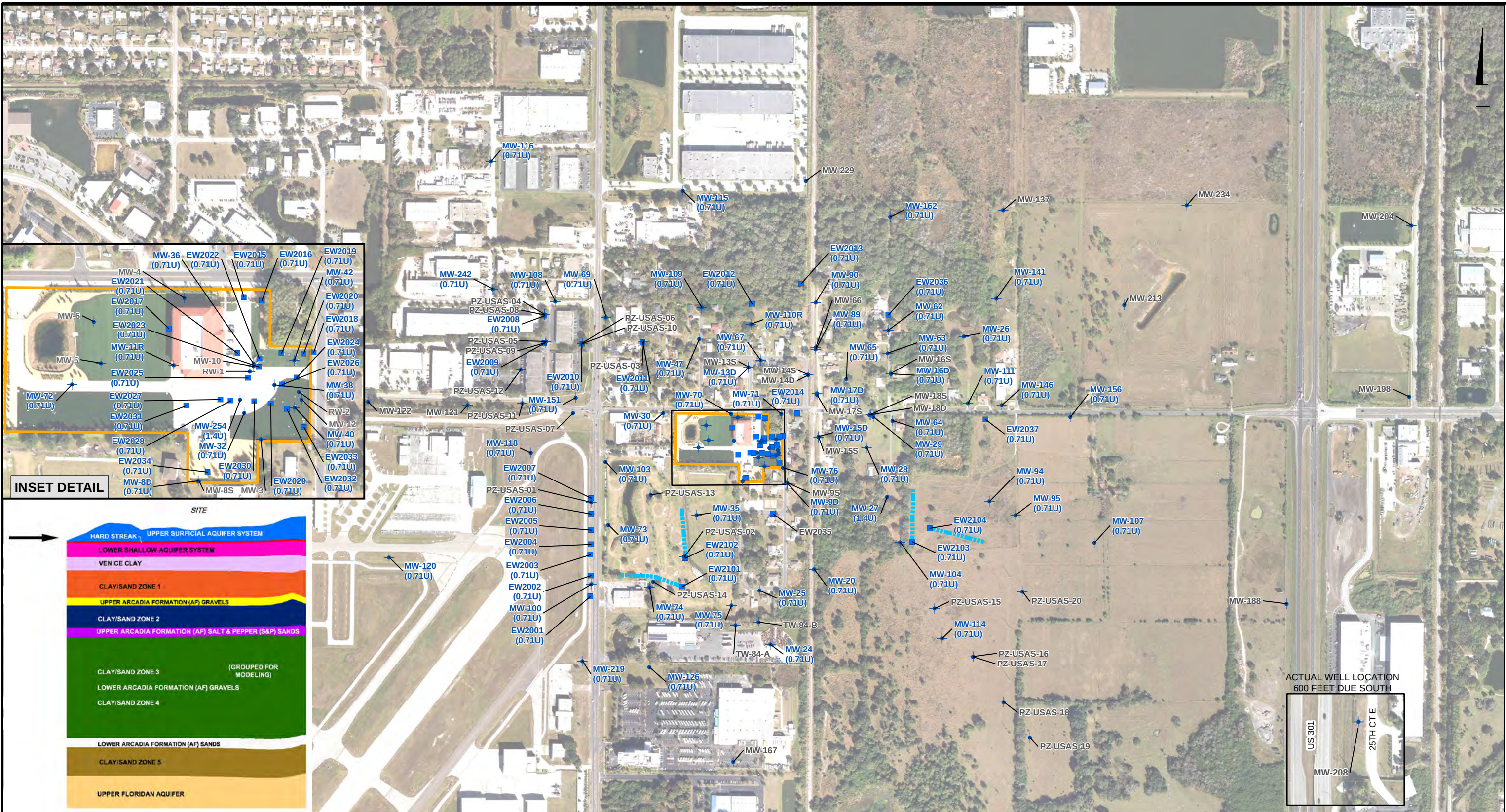
LOCKHEED MARTIN TALLEVAST SITE
TALLEVAST, FLORIDA
REMEDIAL ACTION STATUS REPORT

1,1-DICHLOROETHANE CONCENTRATIONS
IN THE UPPER SURFICIAL AQUIFER SYSTEM,
AUGUST 2015 SAMPLING EVENT

AECOM

FIGURE
4-6

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LEGEND:

- MW-100

USAS MONITORING WELL

EW-2005

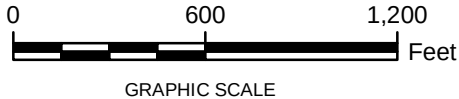
EXTRACTION WELL

HORIZONTAL EXTRACTION TRENCH
- 0.50U

VINYL CHLORIDE RESULT VALUE (µg/L)
- LOCKHEED MARTIN TALLEVAST FACILITY

NOTES:

1. JANUARY 2014 AERIAL PROVIDED BY FDOT
2. U - THE ANALYTE WAS ANALYZED FOR, BUT NOT DETECTED.
3. I - THE REPORTED VALUE IS BETWEEN THE LABORATORY METHOD DETECTION LIMIT AND THE LABORATORY PRACTICAL QUANTITATION LIMIT.
4. µg/L - MICROGRAMS PER LITER
5. WELLS SHOWN IN GRAY WERE NOT SAMPLED DURING THE AUGUST 2015 EVENT.
6. USAS - UPPER SURFICIAL AQUIFER SYSTEM



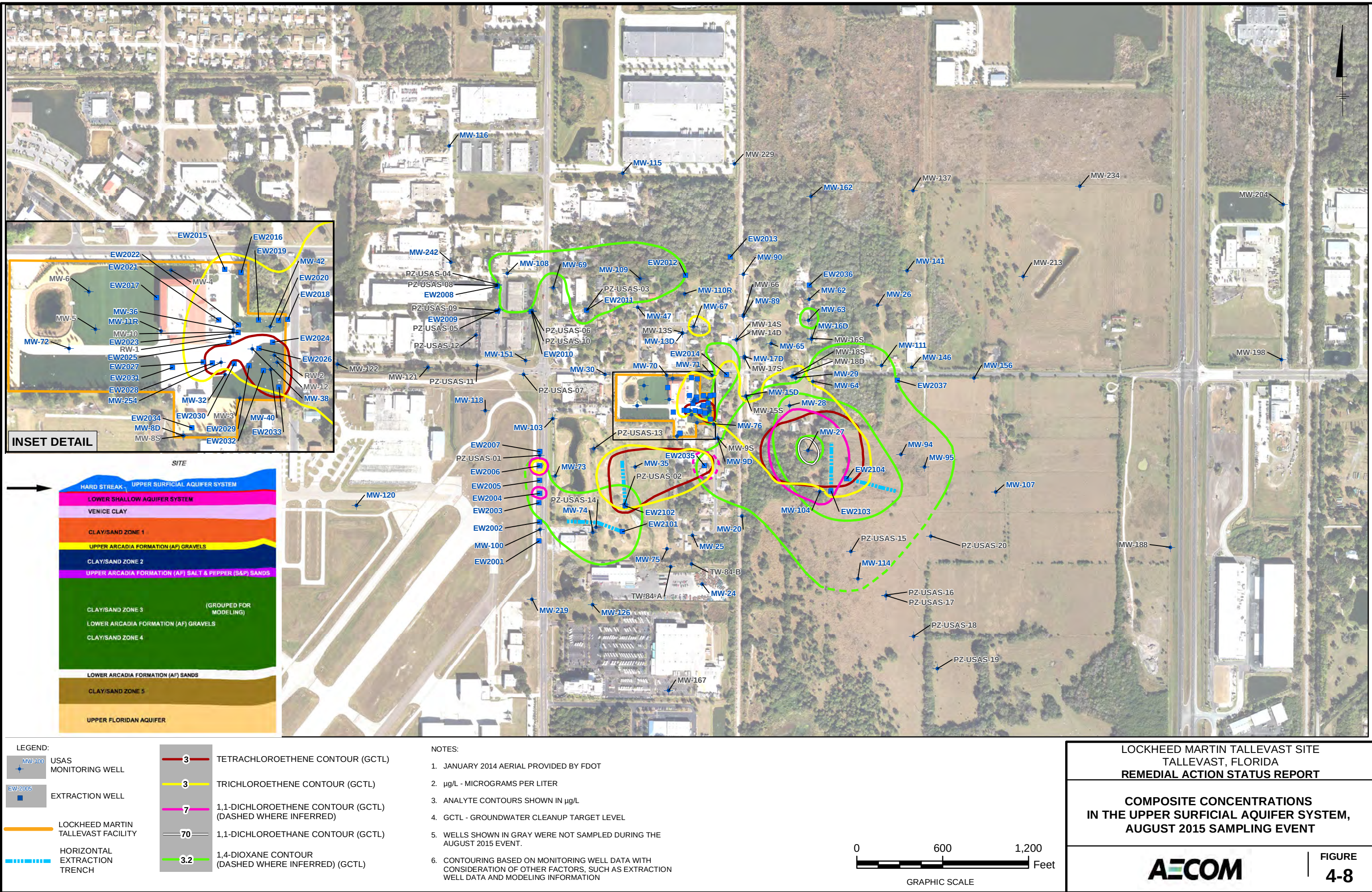
LOCKHEED MARTIN TALLEVAST SITE
TALLEVAST, FLORIDA
REMEDIAL ACTION STATUS REPORT

VINYL CHLORIDE CONCENTRATIONS
IN THE UPPER SURFICIAL AQUIFER SYSTEM,
AUGUST 2015 SAMPLING EVENT

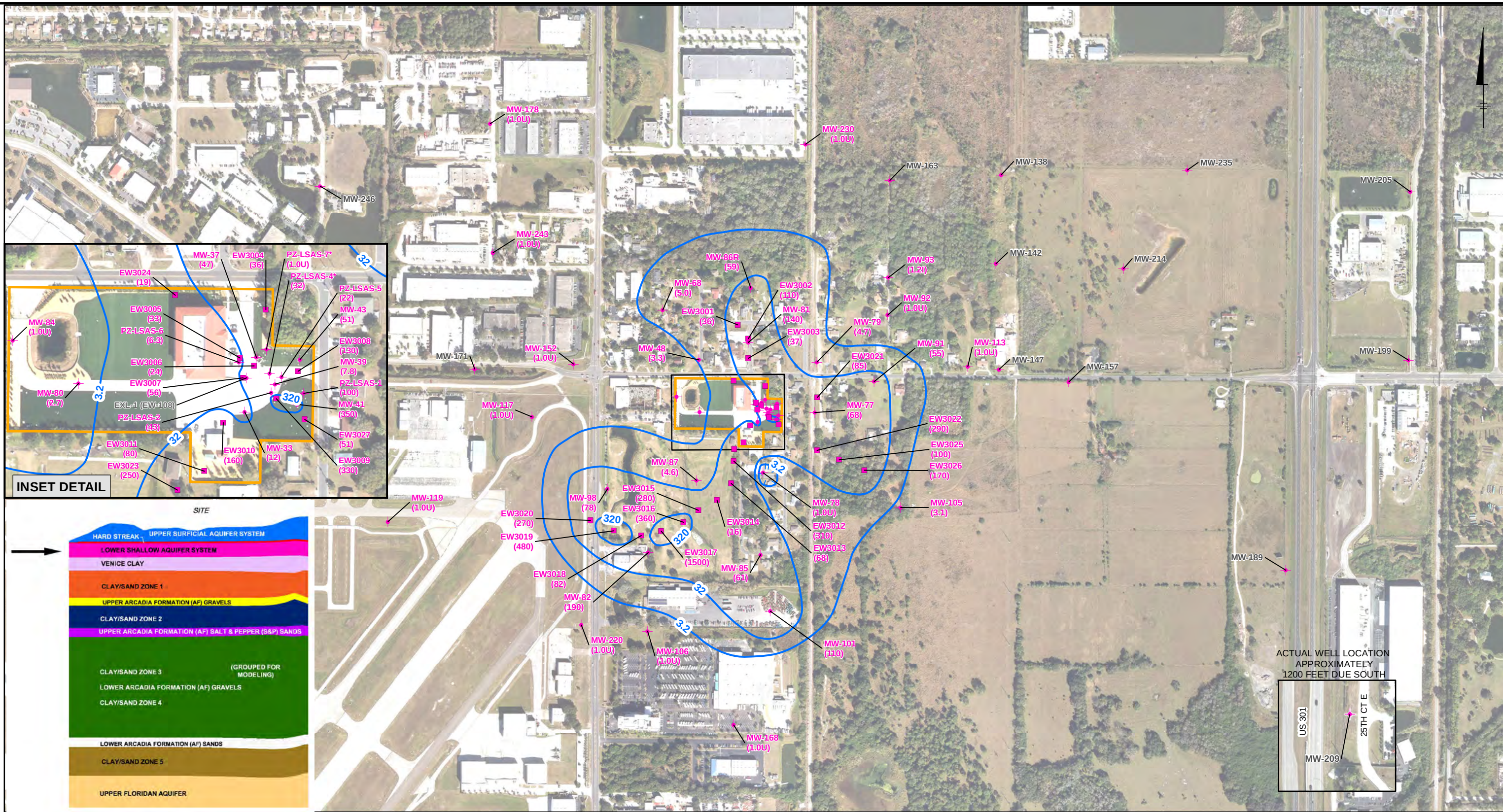
AECOM

FIGURE
4-7

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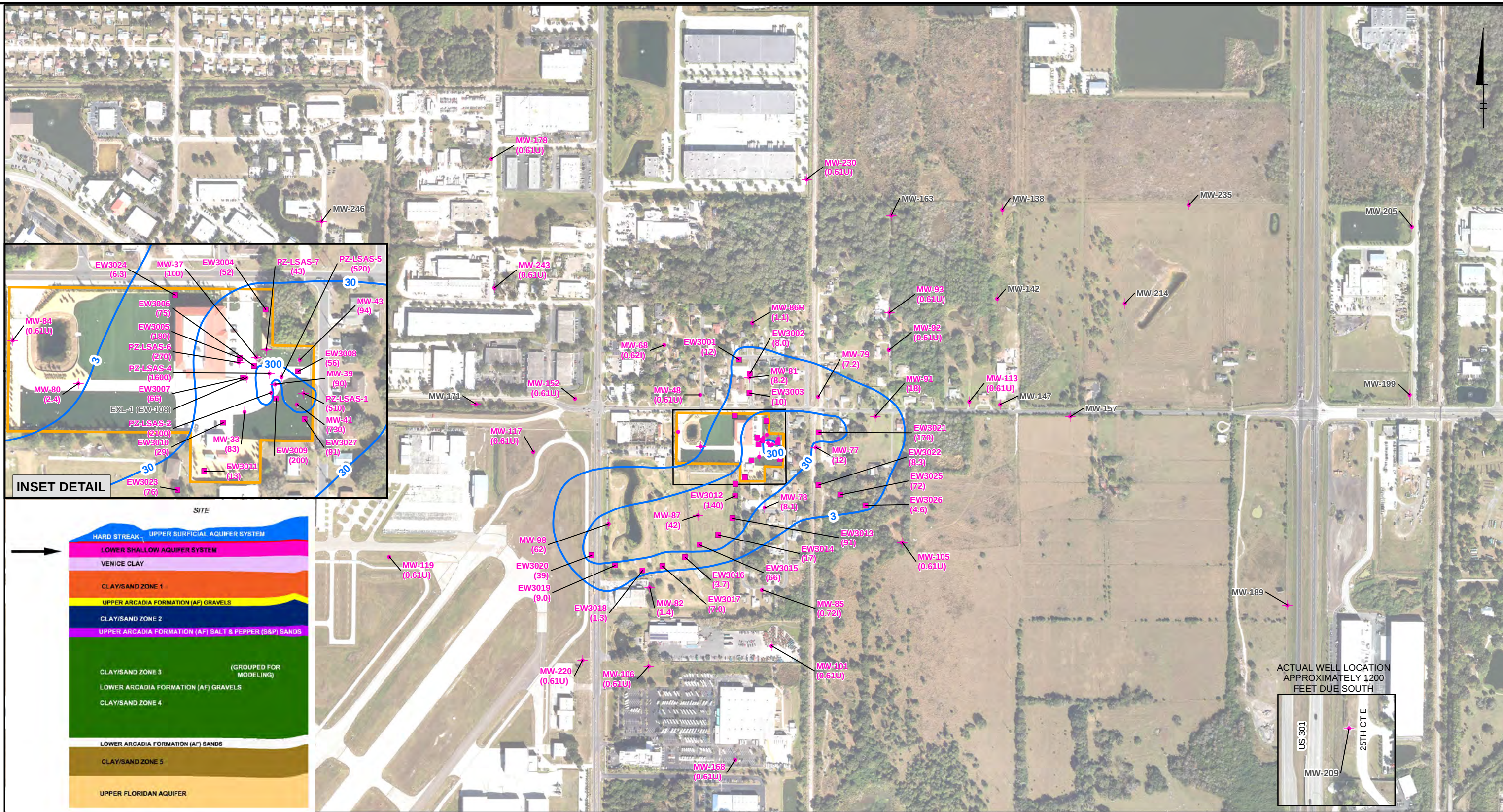
LOCKHEED MARTIN TALLEVAST SITE
TALLEVAST, FLORIDA
REMEDIAL ACTION STATUS REPORT

1,4-DIOXANE CONCENTRATIONS
IN THE LOWER SHALLOW AQUIFER SYSTEM,
AUGUST 2015 SAMPLING EVENT

AECOM

FIGURE
4-9

Path: \\usor2p02\data\projects\Lockheed Martin\Tallevast\000 Geospatial\GIS\mxd\BASR 2015\FINAL\Fig4-10 LSAS 0815 TCE Final.mxd Date: 10/27/2015 Time: 2:38:02 PM



LEGEND:



LSAS
MONITORING WELL

EXTRACTION WELL

0.50U TRICHLOROETHENE RESULT VALUE (µg/L)

3 TRICHLOROETHENE CONTOUR (GCTL)

30 TRICHLOROETHENE CONTOUR (10X GCTL)

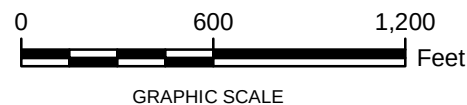
300 TRICHLOROETHENE CONTOUR (NADC)

LOCKHEED MARTIN
TALLEVAST FACILITY

NOTES:

1. JANUARY 2014 AERIAL PROVIDED BY FDOT
2. U - THE ANALYTE WAS ANALYZED FOR, BUT NOT DETECTED.
3. I - THE REPORTED VALUE IS BETWEEN THE LABORATORY METHOD DETECTION LIMIT AND THE LABORATORY PRACTICAL QUANTITATION LIMIT.
4. µg/L - MICROGRAMS PER LITER
5. WELLS SHOWN IN GRAY WERE NOT SAMPLED DURING THE AUGUST 2015 EVENT.

6. LSAS - LOWER SHALLOW AQUIFER SYSTEM
7. GCTL - GROUNDWATER CLEANUP TARGET LEVEL
8. NADC - NATURAL ATTENUATION DEFAULT CONCENTRATION
9. CONTOURING BASED ON MONITORING WELL DATA WITH CONSIDERATION OF OTHER FACTORS, SUCH AS EXTRACTION WELL DATA AND MODELING INFORMATION



LOCKHEED MARTIN TALLEVAST SITE
TALLEVAST, FLORIDA
REMEDIAL ACTION STATUS REPORT

TRICHLOROETHENE CONCENTRATIONS
IN THE LOWER SHALLOW AQUIFER SYSTEM,
AUGUST 2015 SAMPLING EVENT

AECOM

FIGURE
4-10

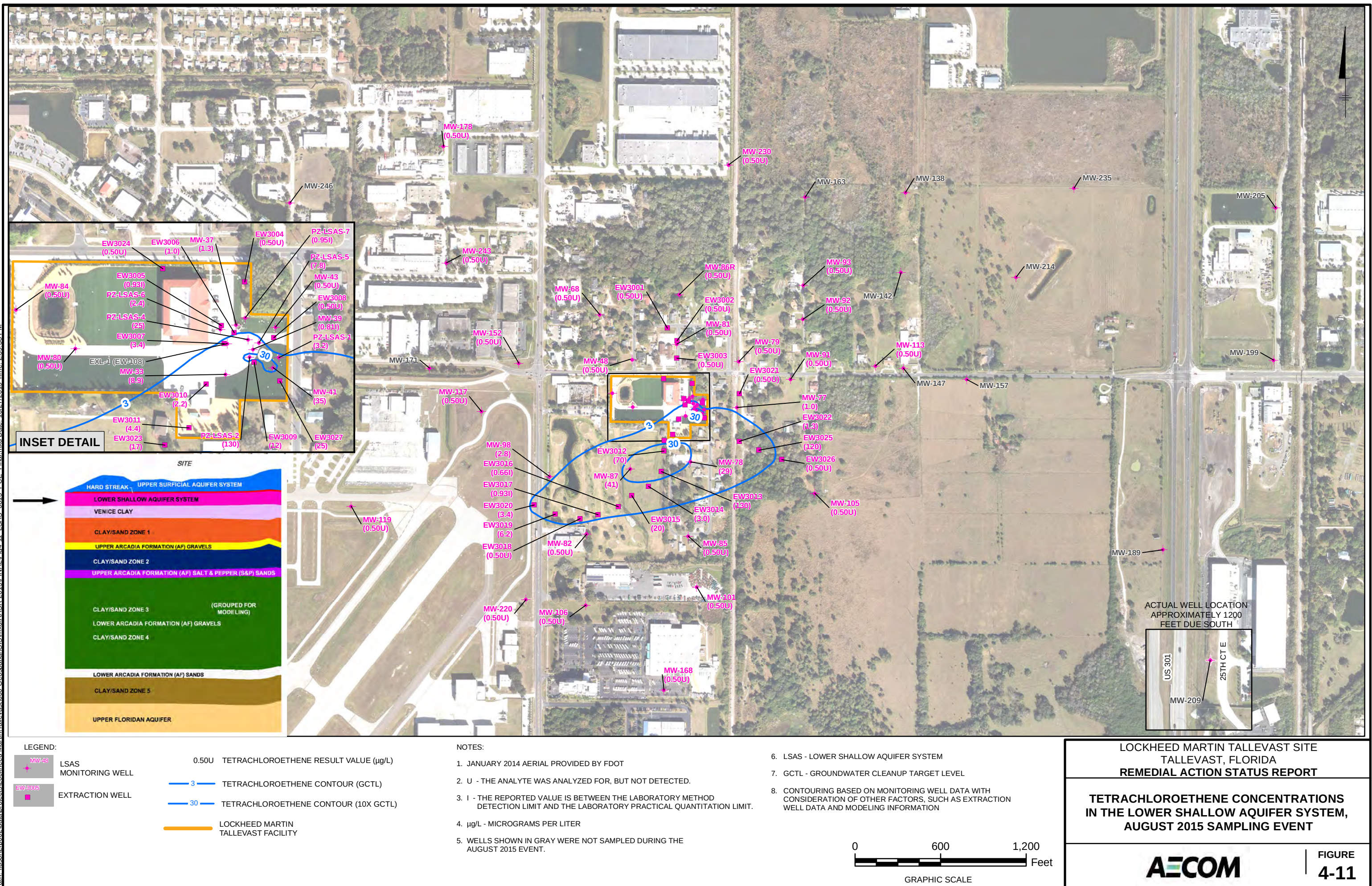
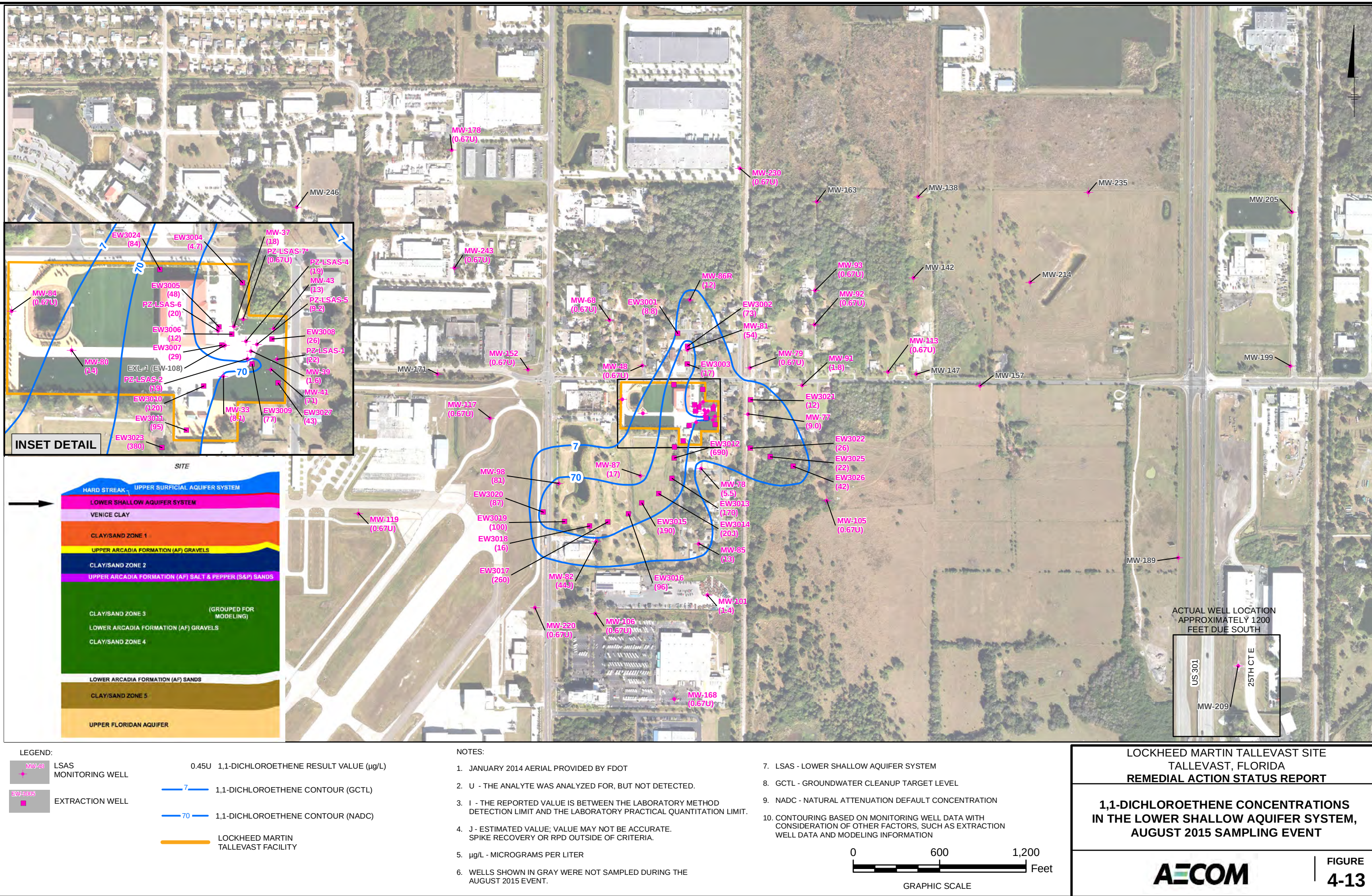
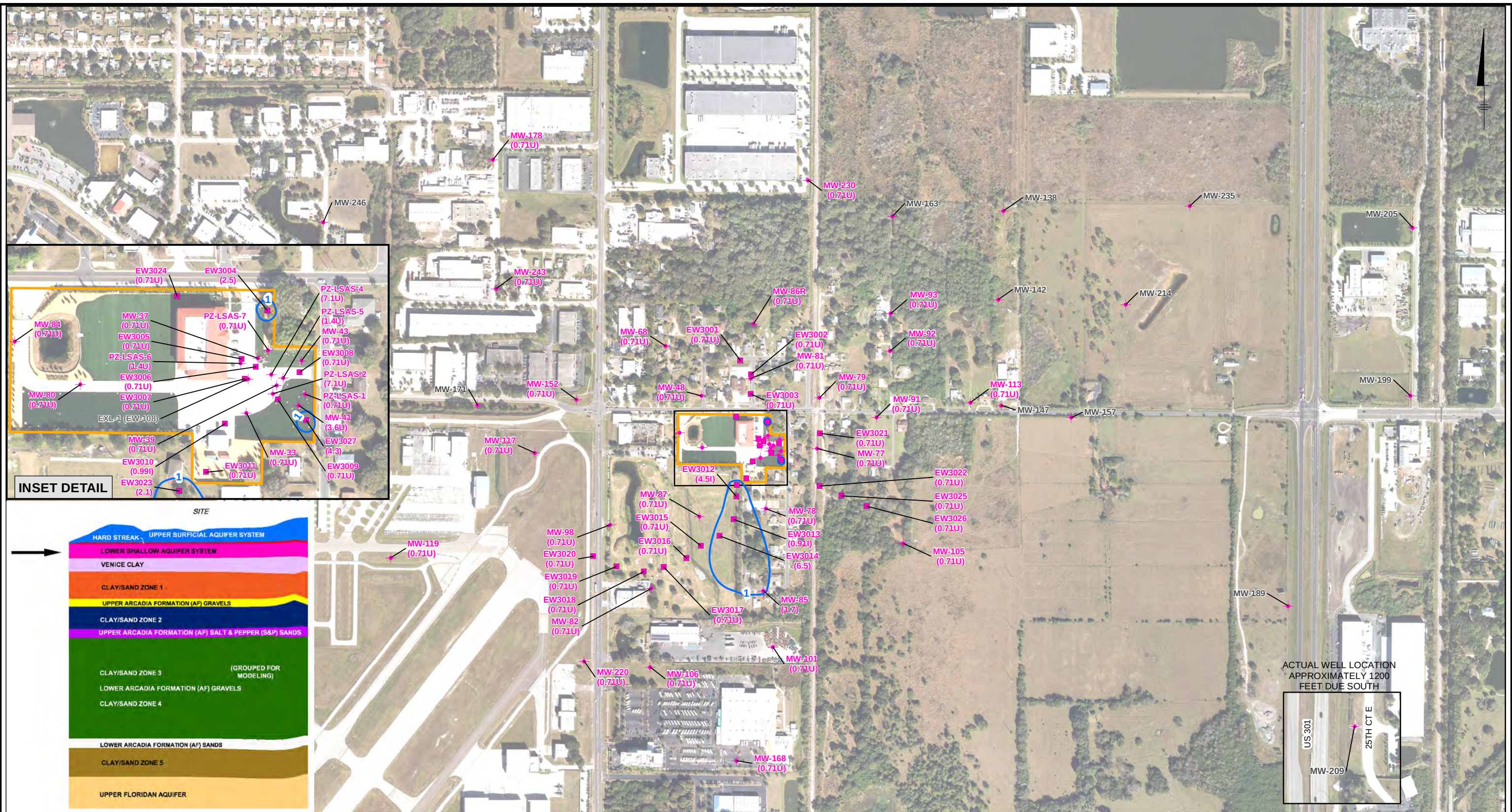


FIGURE 4-12

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Path: \\usor12r002\data\projects\Lockheed Martin\Tallevast\000_Geospata\GIS\mxd\BASR 2015\FINAL\Fig4-15_LSAS_0815_VC_Final.mxd Date: 10/27/2015 Time: 2:42:42 PM



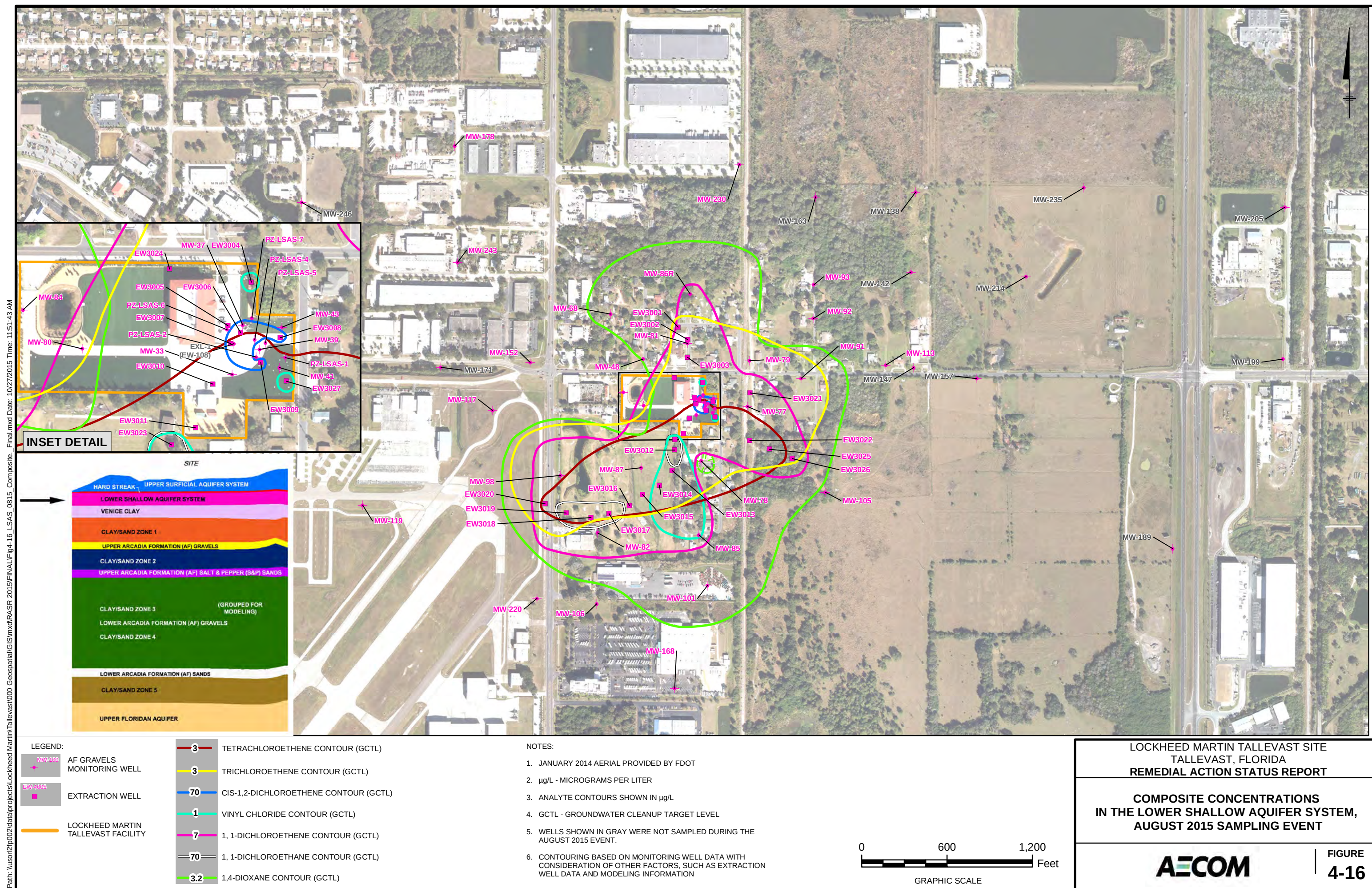
LOCKHEED MARTIN TALLEVAST SITE
TALLEVAST, FLORIDA
REMEDIAL ACTION STATUS REPORT

VINYL CHLORIDE CONCENTRATIONS
IN THE LOWER SHALLOW AQUIFER SYSTEM,
AUGUST 2015 SAMPLING EVENT

AECOM

FIGURE
4-15

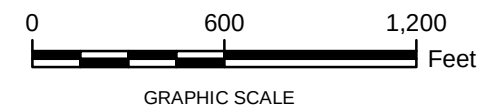
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	AF GRAVELS MONITORING WELL	1.0U	1,4-DIOXANE RESULT VALUE (µg/L)
	CLAY/SAND ZONE 1 MONITORING WELL	3.2	1,4-DIOXANE CONTOUR (GCTL)
	EXTRACTION WELL	32	1,4-DIOXANE CONTOUR (10X GCTL)
	PRIVATE WELL	320	1,4-DIOXANE CONTOUR (NADC)
			LOCKHEED MARTIN TALLEVAST FACILITY

1. JANUARY 2014 AERIAL PROVIDED BY FDOT
2. U - THE ANALYTE WAS ANALYZED FOR, BUT NOT DETECTED.
3. I - THE REPORTED VALUE IS BETWEEN THE LABORATORY METHOD DETECTION LIMIT AND THE LABORATORY PRACTICAL QUANTITATION LIMIT.
4. µg/L - MICROGRAMS PER LITER
5. PRIVATE WELLS SAMPLED DURING THE ANNUAL GROUNDWATER MONITORING EVENT ARE SHOWN ON THIS FIGURE.
6. AF GRAVELS - ARCADIA FORMATION GRAVELS
7. WELLS SHOWN IN GRAY WERE NOT SAMPLED DURING THE AUGUST 2015 EVENT.

8. GCTL - GROUNDWATER CLEANUP TARGET LEVEL
9. NADC -NATURAL ATTENUATION DEFAULT CONCENTRATION
10. CONTOURING BASED ON MONITORING WELL DATA WITH CONSIDERATION OF OTHER FACTORS, SUCH AS EXTRACTION WELL DATA AND MODELING INFORMATION



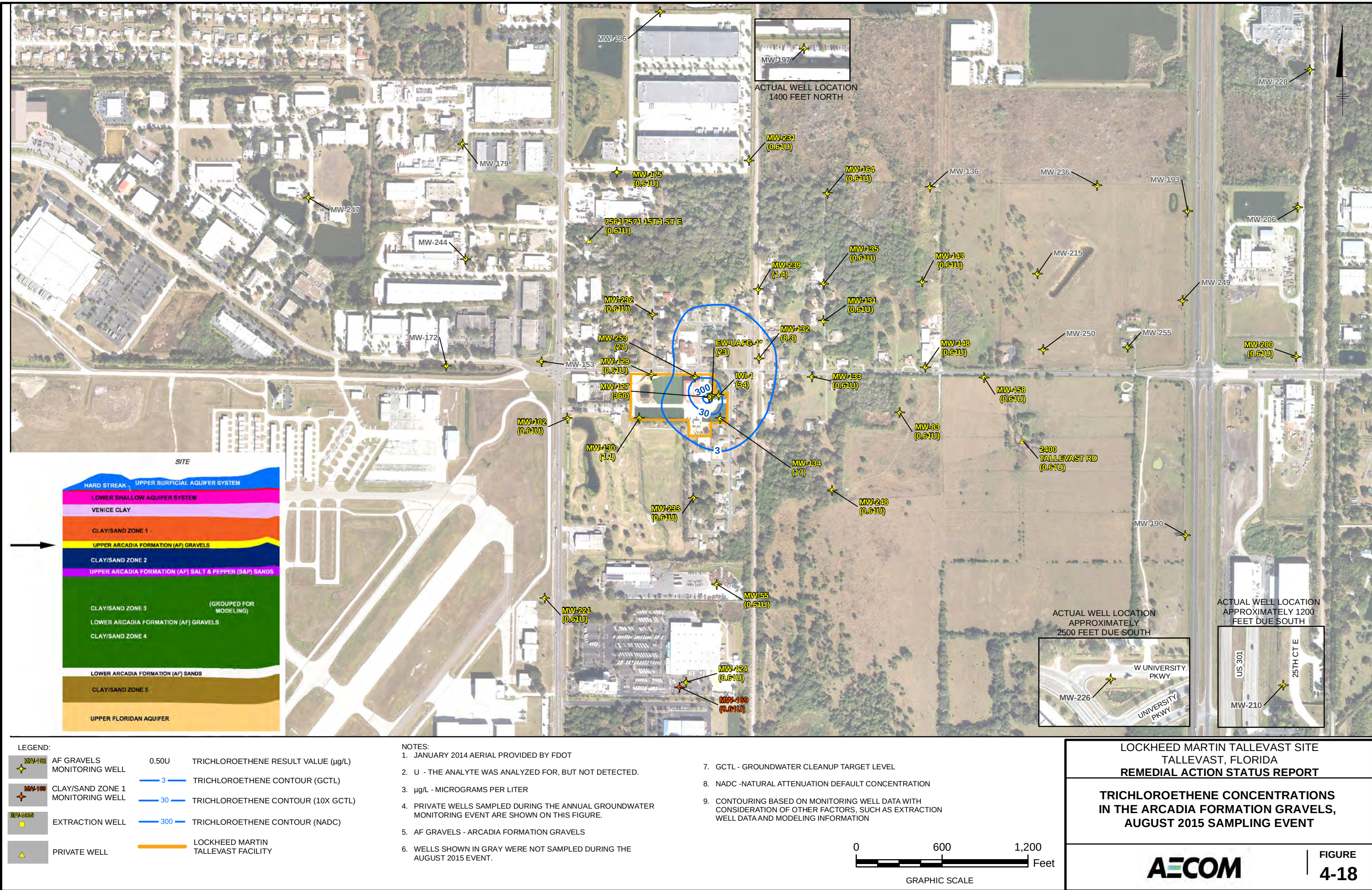
LOCKHEED MARTIN TALLEVAST SITE
TALLEVAST, FLORIDA
REMEDIAL ACTION STATUS REPORT

1,4-DIOXANE CONCENTRATIONS IN THE ARCADIA FORMATION GRAVELS, AUGUST 2015 SAMPLING EVENT



FIGURE 4-17

Path: \\usor2p002\data\projects\lockheed_martin\tallevast\000_Geospacial\GIS\mxd\RASR 2015\FINAL\Fig4-18_AFGRAVELS_0815_TCE_Final.mxd Date: 10/27/2015 Time: 11:53:36 AM



	AF GRAVELS MONITORING WELL
	CLAY/SAND ZONE 1 MONITORING WELL
	EXTRACTION WELL
	PRIVATE WELL

LOCKHEED MARTIN
TALLEVAST FACILITY

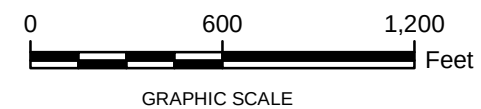
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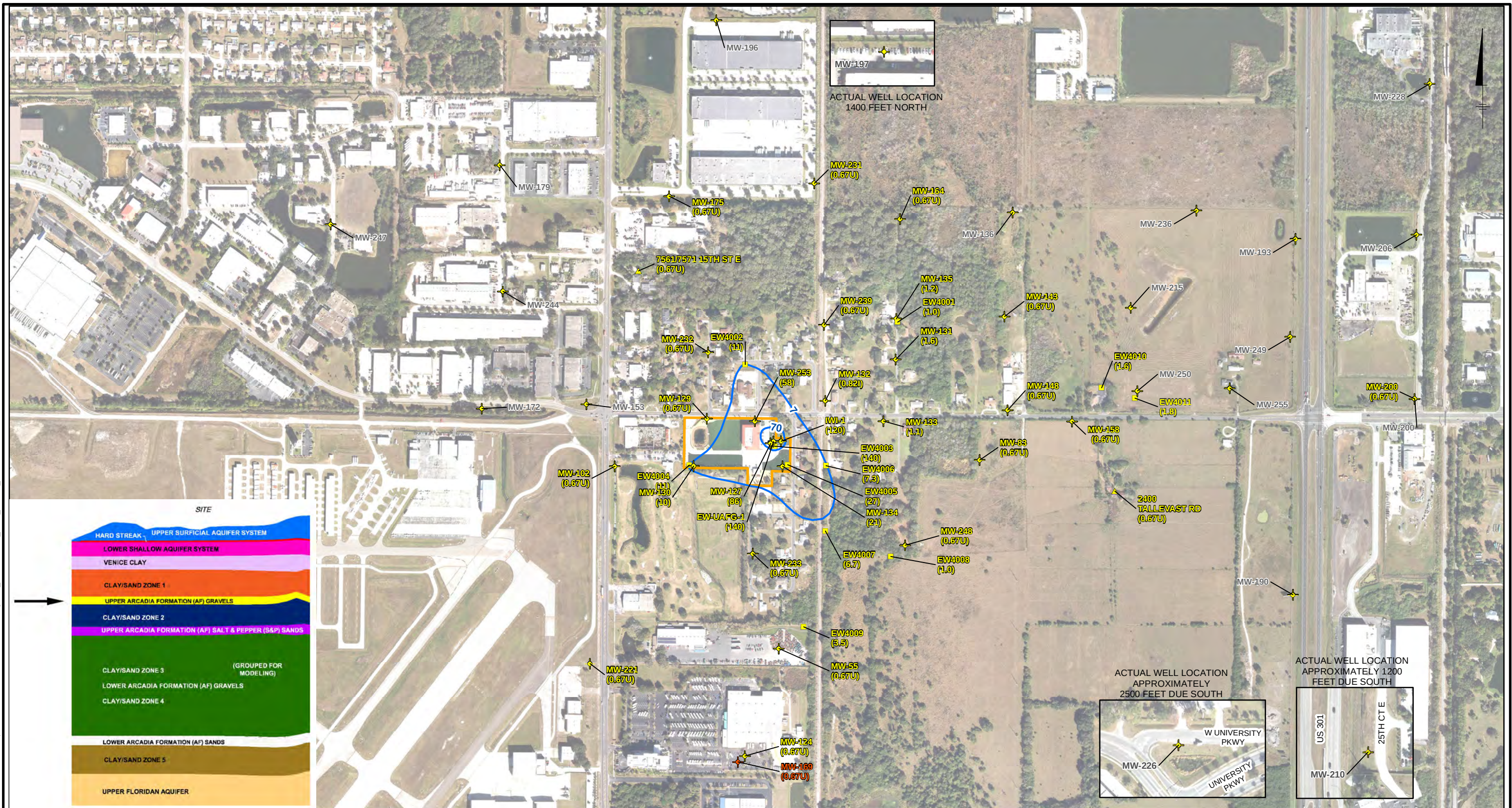
1. JANUARY 2014 AERIAL PROVIDED BY FDOT
2. U - THE ANALYTE WAS ANALYZED FOR, BUT NOT DETECTED.
3. µg/L - MICROGRAMS PER LITER
4. PRIVATE WELLS SAMPLED DURING THE ANNUAL GROUNDWATER MONITORING EVENT ARE SHOWN ON THIS FIGURE.
5. AF GRAVELS - ARCADIA FORMATION GRAVELS
6. GCTL - GROUNDWATER CLEANUP TARGET LEVEL
7. WELLS SHOWN IN GRAY WERE NOT SAMPLED DURING THE AUGUST 2015 EVENT.

TETRACHLOROETHENE CONCENTRATIONS IN THE ARCADIA FORMATION GRAVELS, AUGUST 2015 SAMPLING EVENT



FIGURE 4-19





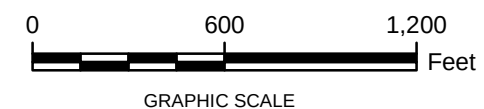
LEGEND:

- | | | | |
|---|----------------------------------|-------|--|
|  | AF GRAVELS MONITORING WELL | 0.45U | 1,1-DICHLOROETHENE RESULT VALUE (µg/L) |
|  | CLAY/SAND ZONE 1 MONITORING WELL | 7 | 1,1-DICHLOROETHENE CONTOUR (GCTL) |
|  | EXTRACTION WELL | 70 | 1,1-DICHLOROETHENE CONTOUR (NADC) |
|  | PRIVATE WELL | | LOCKHEED MARTIN TALLEVAST FACILITY |

NOTES:

1. JANUARY 2014 AERIAL PROVIDED BY FDOT
 2. U - THE ANALYTE WAS ANALYZED FOR, BUT NOT DETECTED.
 3. I - THE REPORTED VALUE IS BETWEEN THE LABORATORY METHOD DETECTION LIMIT AND THE LABORATORY PRACTICAL QUANTITATION LIMIT.
 4. µg/L - MICROGRAMS PER LITER
 5. WELLS SHOWN IN GRAY WERE NOT SAMPLED DURING THE AUGUST 2015 EVENT.
 6. PRIVATE WELLS SAMPLED DURING THE ANNUAL GROUNDWATER MONITORING EVENT ARE SHOWN ON THIS FIGURE.
 7. AP - GRAVELED - ANTI-DRAIN FORMATION GRAVELED
 8. GCTL - GROUNDWATER CLEANUP TARGET LEVEL
 9. NADC - NATURAL ATTENUATION DEFAULT CONCENTRATION
 10. CONTOURING BASED ON MONITORING WELL DATA WITH CONSIDERATION OF OTHER FACTORS, SUCH AS EXTRACTION WELL DATA AND MODELING INFORMATION

7. AF GRAVELS - ARCADIA FORMATION GRAVELS
8. GCTL - GROUNDWATER CLEANUP TARGET LEVEL
9. NADC - NATURAL ATTENUATION DEFAULT CONCENTRATION
10. CONTOURING BASED ON MONITORING WELL DATA WITH CONSIDERATION OF OTHER FACTORS, SUCH AS EXTRACTION WELL DATA AND MODELING INFORMATION



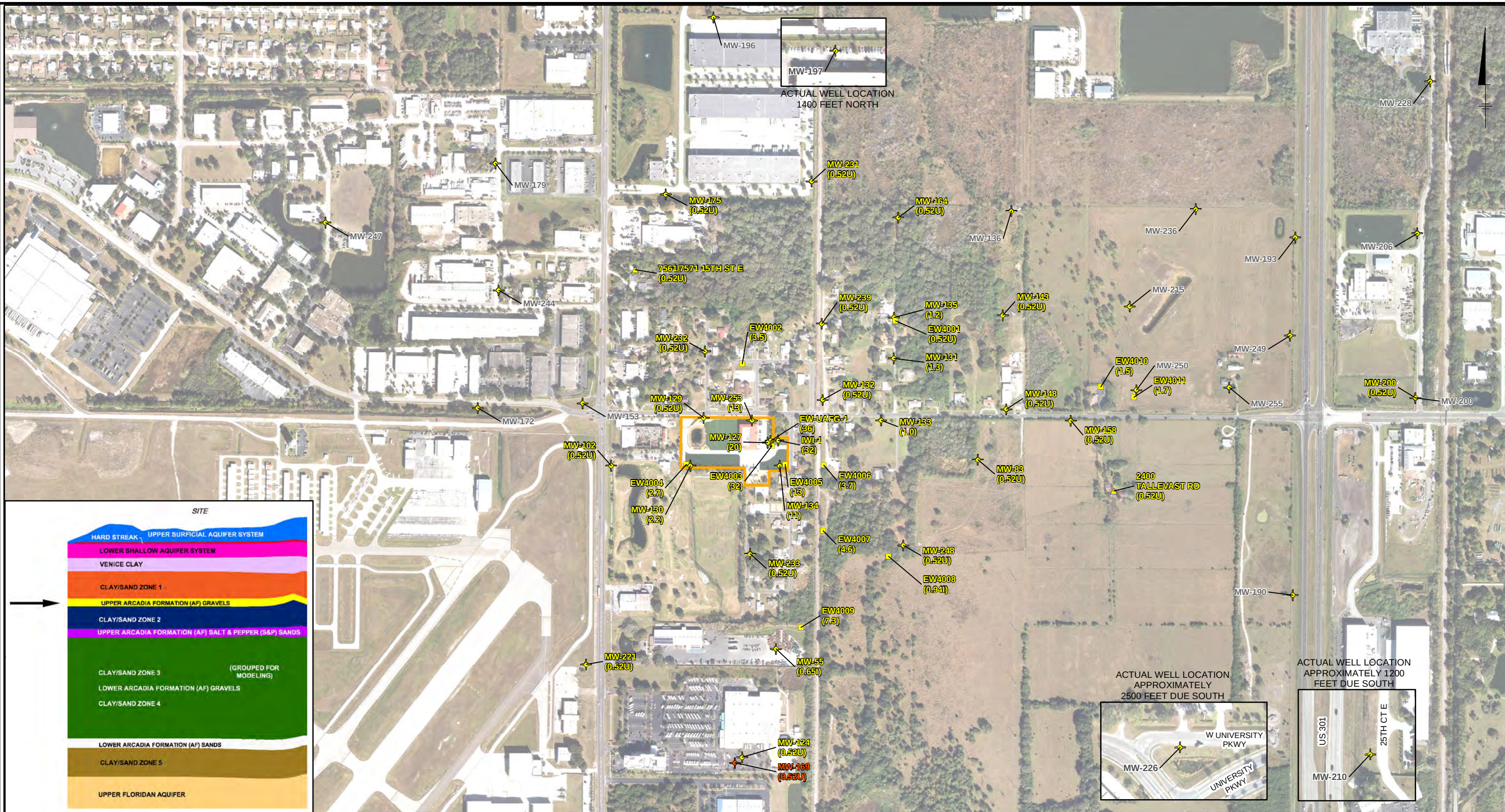
LOCKHEED MARTIN TALLEVAST SITE
TALLEVAST, FLORIDA
REMEDIAL ACTION STATUS REPORT

1,1-DICHLOROETHENE CONCENTRATIONS IN THE ARCADIA FORMATION GRAVELS, AUGUST 2015 SAMPLING EVENT



FIGURE 4-21

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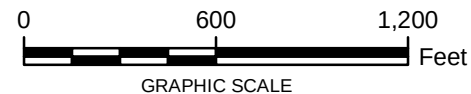


LEGEND:

- | | | | |
|--|------------------|---|--|
|  MW-100 | AF GRAVELS | 0.52U | 1,1-DICHLOROETHANE RESULT VALUE (µg/L) |
|  MW-100 | CLAY/SAND ZONE 1 |  | LOCKHEED MARTIN TALLEVAST FACILITY |
|  EW-4005 | EXTRACTION WELL | | |
|  Private Well | PRIVATE WELL | | |

NOTES:

1. JANUARY 2014 AERIAL PROVIDED BY FDOT
2. U - THE ANALYTE WAS ANALYZED FOR, BUT NOT DETECTED.
3. I - THE REPORTED VALUE IS BETWEEN THE LABORATORY METHOD DETECTION LIMIT AND THE LABORATORY PRACTICAL QUANTITATION LIMIT.
4. µg/L - MICROGRAMS PER LITER
5. WELLS SHOWN IN GRAY WERE NOT SAMPLED DURING THE AUGUST 2015 EVENT.
6. PRIVATE WELLS SAMPLED DURING THE ANNUAL GROUNDWATER MONITORING EVENT ARE SHOWN ON THIS FIGURE.
7. AF GRAVELS - ARCADIA FORMATION GRAVELS



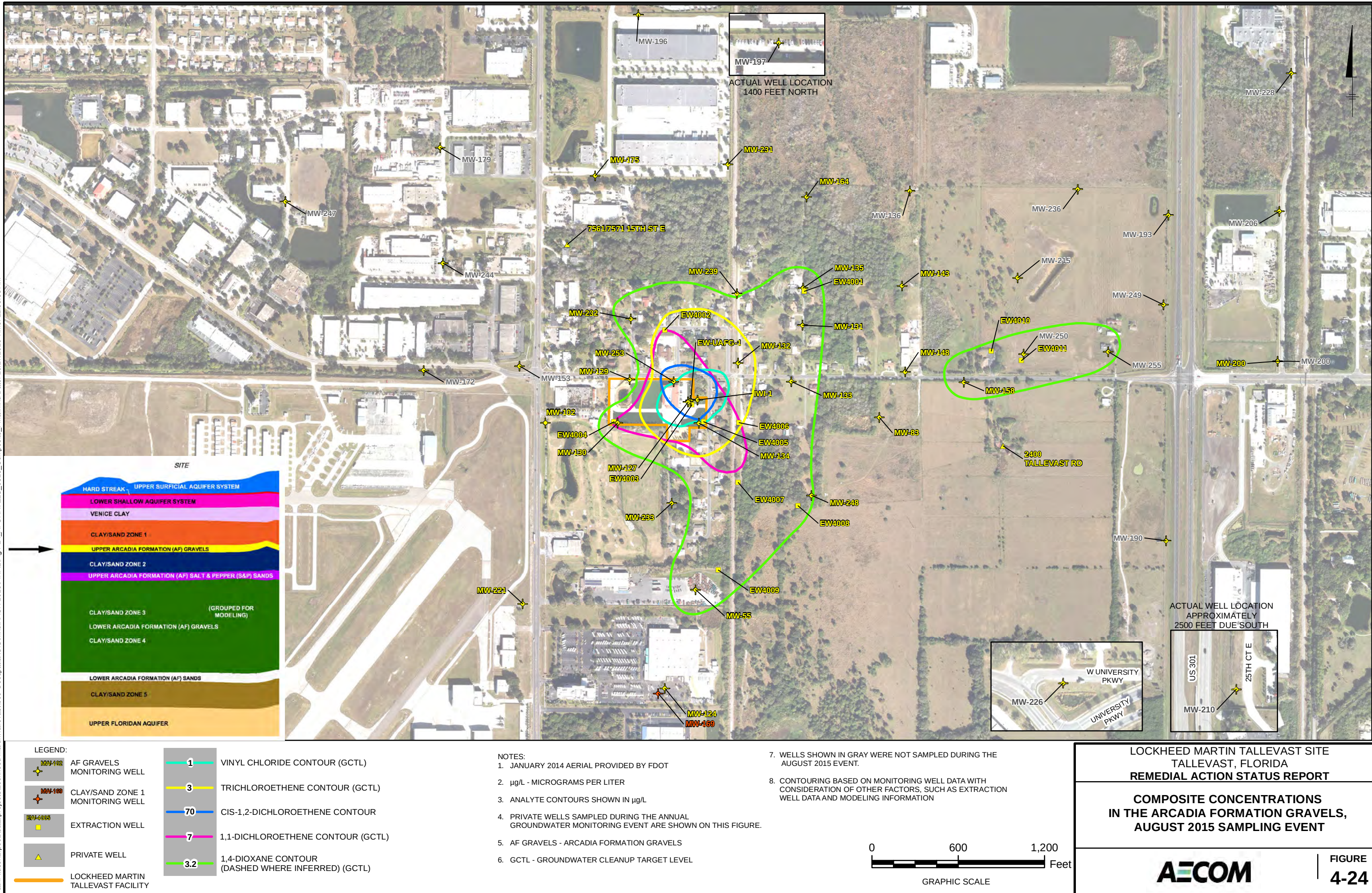
LOCKHEED MARTIN TALLEVAST SITE
TALLEVAST, FLORIDA
REMEDIAL ACTION STATUS REPORT

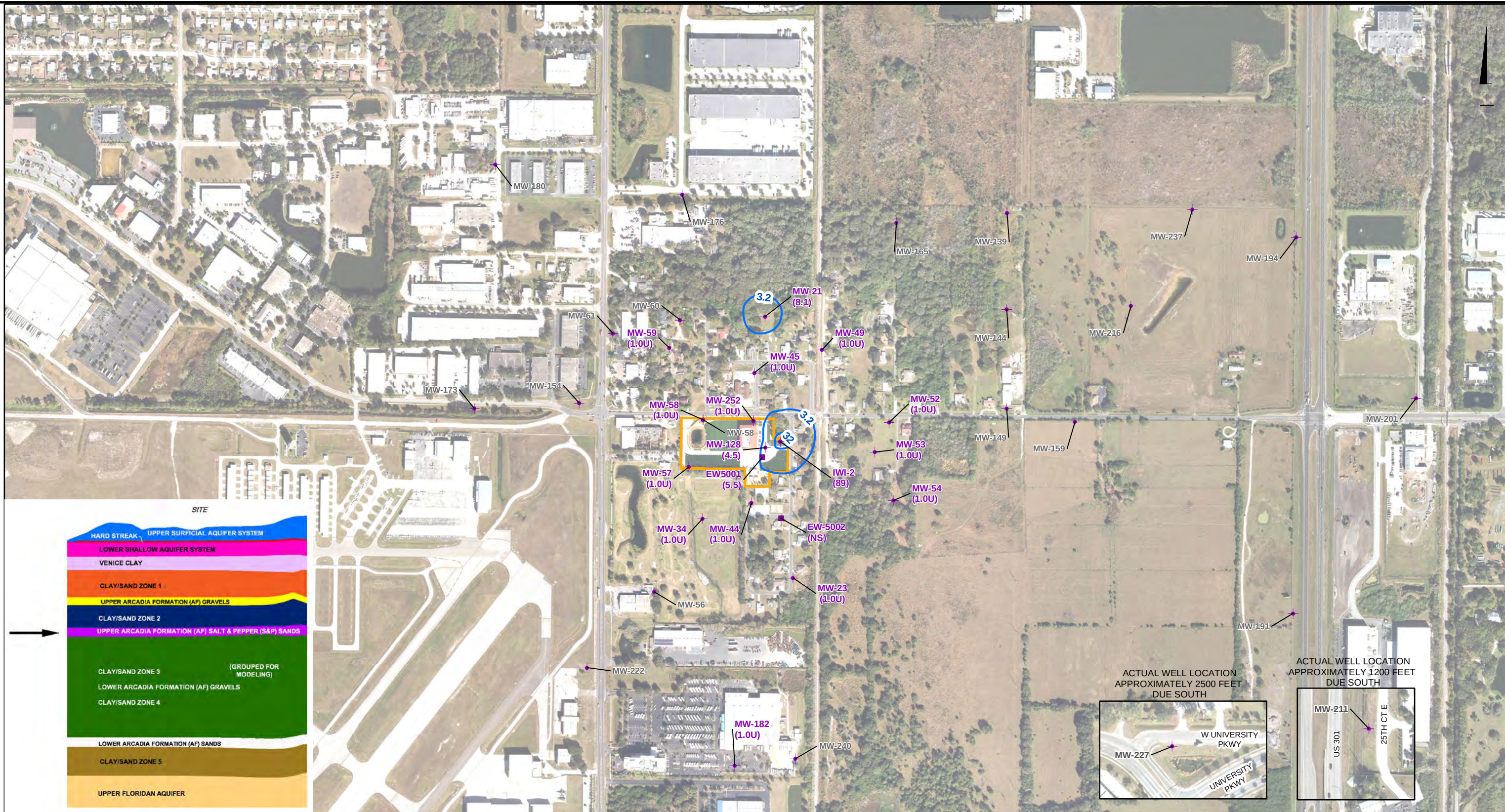
1,1-DICHLOROETHANE CONCENTRATIONS
IN THE ARCADIA FORMATION GRAVELS,
AUGUST 2015 SAMPLING EVENT

AECOM

FIGURE
4-22

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LEGEND:

- MW-222

SALT AND PEPPER SANDS MONITORING WELL

EW-5001

SALT AND PEPPER SANDS EXTRACTION WELL

1.0U

1,4-DIOXANE RESULT VALUE (µg/L)

LOCKHEED MARTIN TALLEVAST FACILITY

3.2

1,4-DIOXANE CONTOUR (GCTL)

32

1,4-DIOXANE CONTOUR (10XGCTL)
- NOTES:
1.

JANUARY 2014 AERIAL PROVIDED BY FDOT

2.

U - THE ANALYTE WAS ANALYZED FOR, BUT NOT DETECTED.

3.

µg/L - MICROGRAMS PER LITER

4.

WELLS SHOWN IN GRAY WERE NOT SAMPLED DURING THE AUGUST 2015 EVENT.

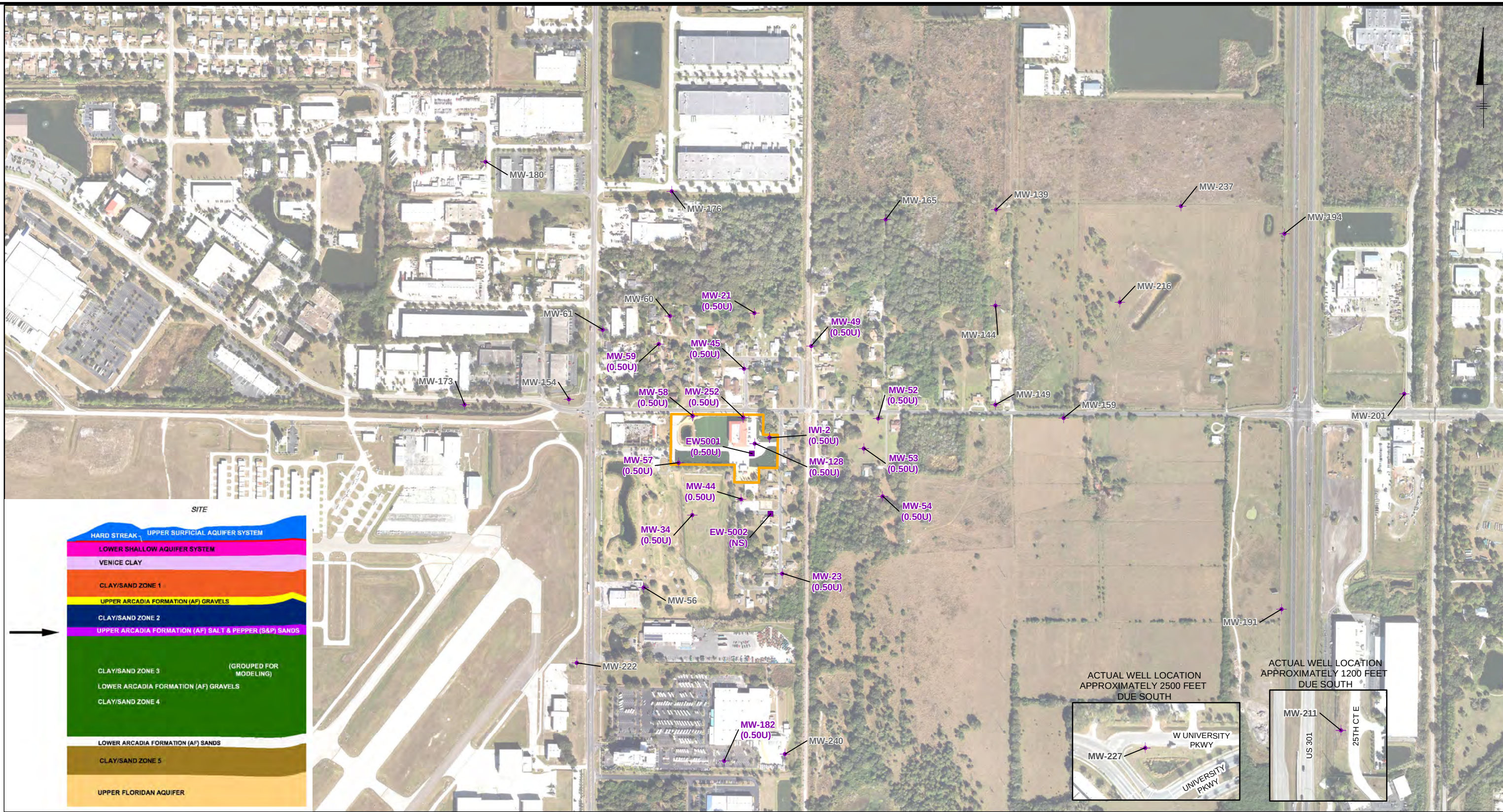
5.

GCTL - GROUNDWATER CLEANUP TARGET LEVEL

6.

CONTOURING BASED ON MONITORING WELL DATA WITH CONSIDERATION OF OTHER FACTORS, SUCH AS EXTRACTION WELL DATA AND MODELING INFORMATION
-
- LOCKHEED MARTIN TALLEVAST SITE
TALLEVAST, FLORIDA
REMEDIAL ACTION STATUS REPORT
- 1,4-DIOXANE CONCENTRATIONS
IN THE SALT & PEPPER SANDS,
AUGUST 2015 SAMPLING EVENT
-
- FIGURE
4-25
- R625-EDC-0023786-1

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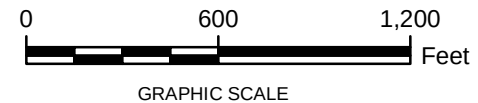


LEGEND:

- MW-222 SALT AND PEPPER SANDS MONITORING WELL
- EW-5002 SALT AND PEPPER SANDS EXTRACTION WELL
- 0.50U TETRACHLOROETHENE RESULT VALUE (µg/L)
- LOCKHEED MARTIN TALLEVAST FACILITY

NOTES:

1. JANUARY 2014 AERIAL PROVIDED BY FDOT
2. U - THE ANALYTE WAS ANALYZED FOR, BUT NOT DETECTED.
3. µg/L - MICROGRAMS PER LITER
4. WELLS SHOWN IN GRAY WERE NOT SAMPLED DURING THE AUGUST 2015 EVENT.
5. GCTL - GROUNDWATER CLEANUP TARGET LEVEL



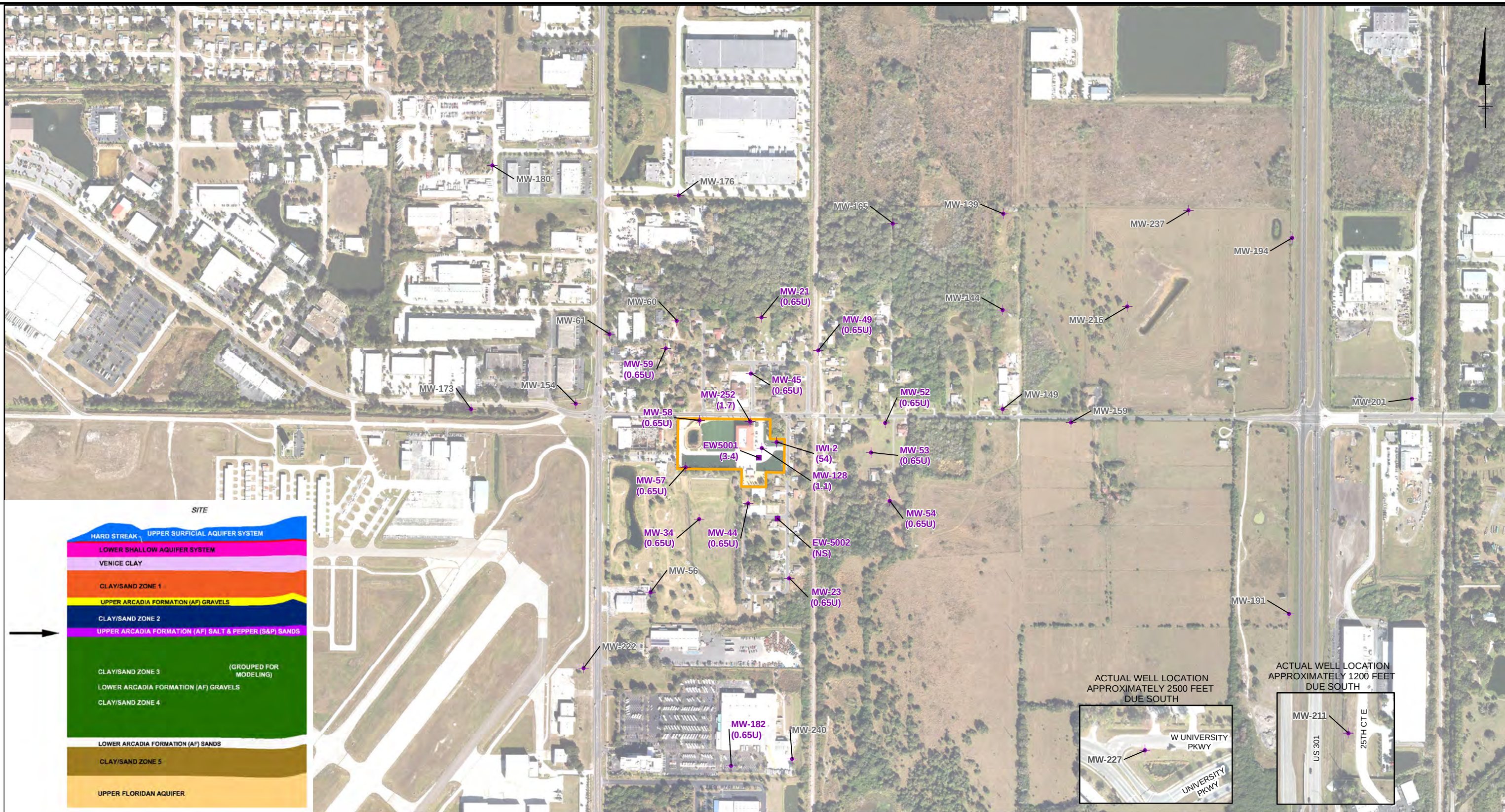
LOCKHEED MARTIN TALLEVAST SITE
TALLEVAST, FLORIDA
REMEDIAL ACTION STATUS REPORT

TETRACHLOROETHENE CONCENTRATIONS
IN THE SALT & PEPPER SANDS,
AUGUST 2015 SAMPLING EVENT

AECOM

FIGURE
4-27

Path: \\usor12r002\data\projects\Lockheed Martin\Tallevast\000_Geospata\GIS\mxd\BASR 2015\FINAL\Fig4-28_S&P_Sands 0815_CIS12_Final.mxd Date: 10/27/2015 Time: 1:49:31 PM

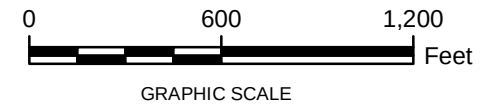


LEGEND:

- MW-222 SALT AND PEPPER SANDS MONITORING WELL
- EW-5001 SALT AND PEPPER SANDS EXTRACTION WELL
- 0.65U CIS-1,2-DICHLOROETHENE ($\mu\text{g/L}$)
- LOCKHEED MARTIN TALLEVAST FACILITY

NOTES:

- JANUARY 2014 AERIAL PROVIDED BY FDOT
- U - THE ANALYTE WAS ANALYZED FOR, BUT NOT DETECTED..
- $\mu\text{g/L}$ - MICROGRAMS PER LITER
- WELLS SHOWN IN GRAY WERE NOT SAMPLED DURING THE AUGUST 2015 EVENT.



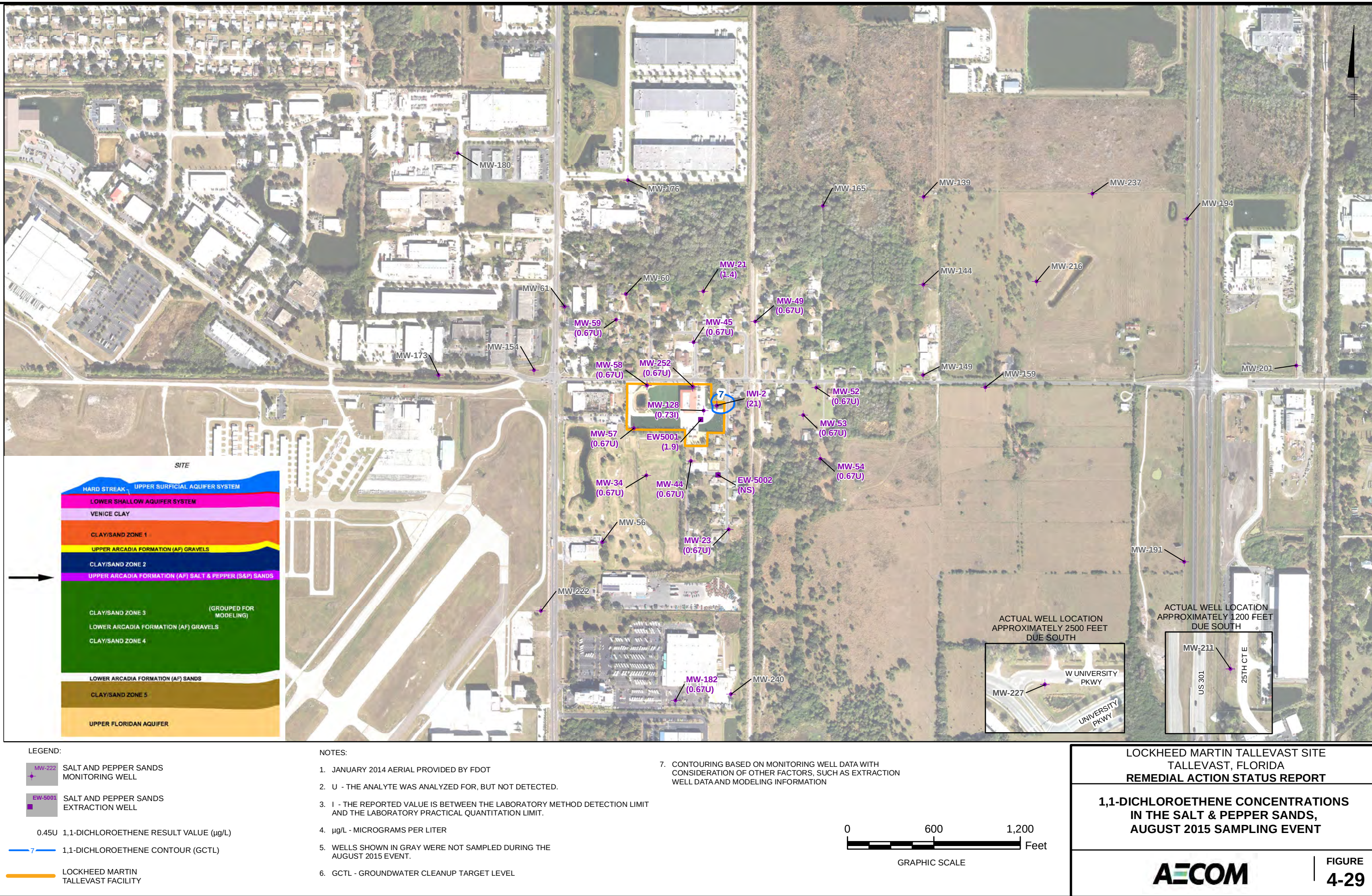
LOCKHEED MARTIN TALLEVAST SITE
TALLEVAST, FLORIDA
REMEDIAL ACTION STATUS REPORT

CIS-1,2-DICHLOROETHENE CONCENTRATIONS
IN THE SALT & PEPPER SANDS,
AUGUST 2015 SAMPLING EVENT

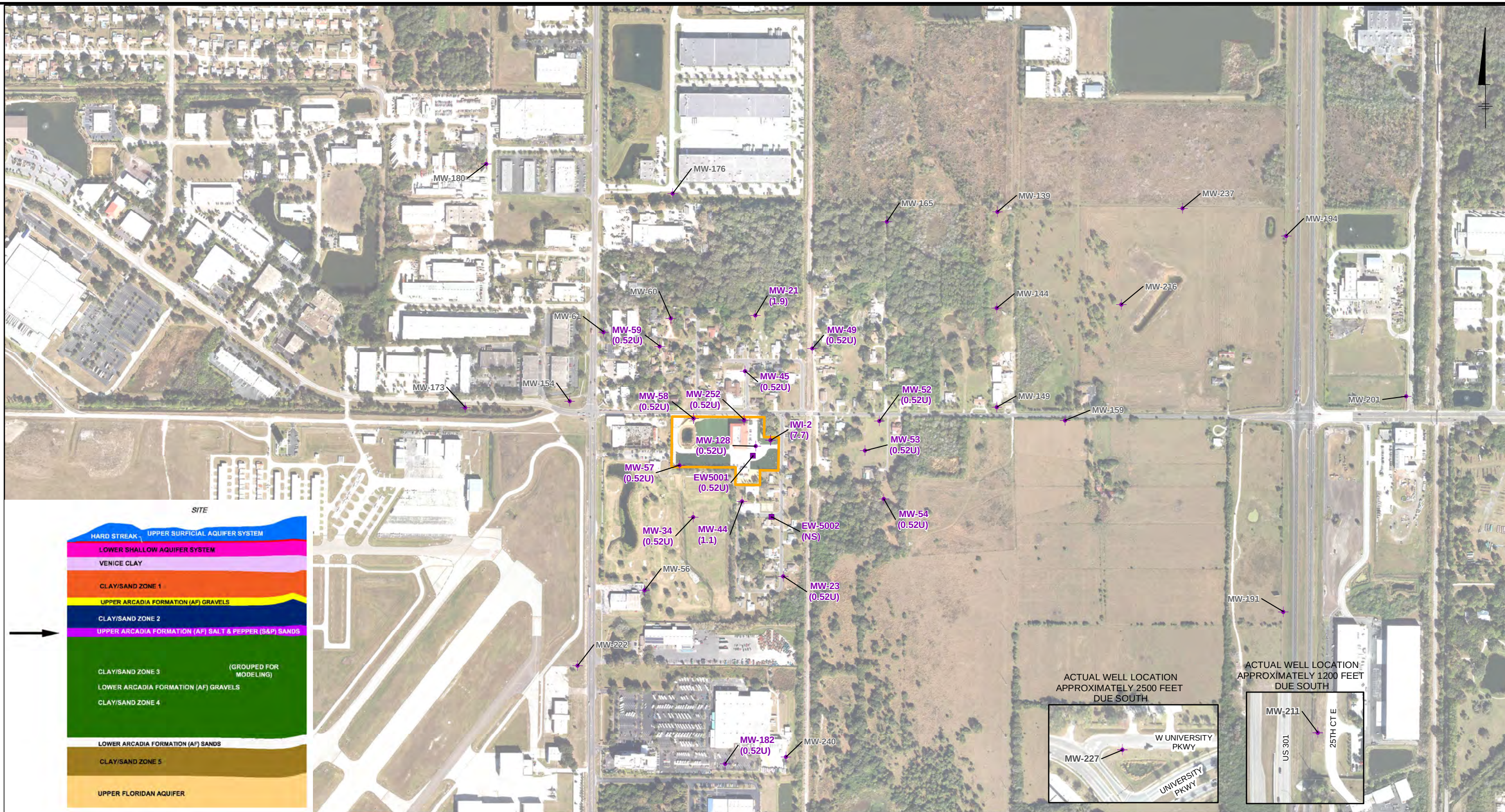
AECOM

FIGURE
4-28

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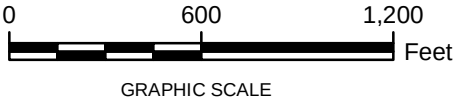


LEGEND:

- MW-222 SALT AND PEPPER SANDS MONITORING WELL
- EW-5001 SALT AND PEPPER SANDS EXTRACTION WELL
- 0.52U 1,1-DICHLOROETHANE RESULT VALUE (µg/L)
- LOCKHEED MARTIN TALLEVAST FACILITY

NOTES:

- JANUARY 2014 AERIAL PROVIDED BY FDOT
- U - THE ANALYTE WAS ANALYZED FOR, BUT NO DETECTED.
- µg/L - MICROGRAMS PER LITER
- WELLS SHOWN IN GRAY WERE NOT SAMPLED DURING THE AUGUST 2015 EVENT.



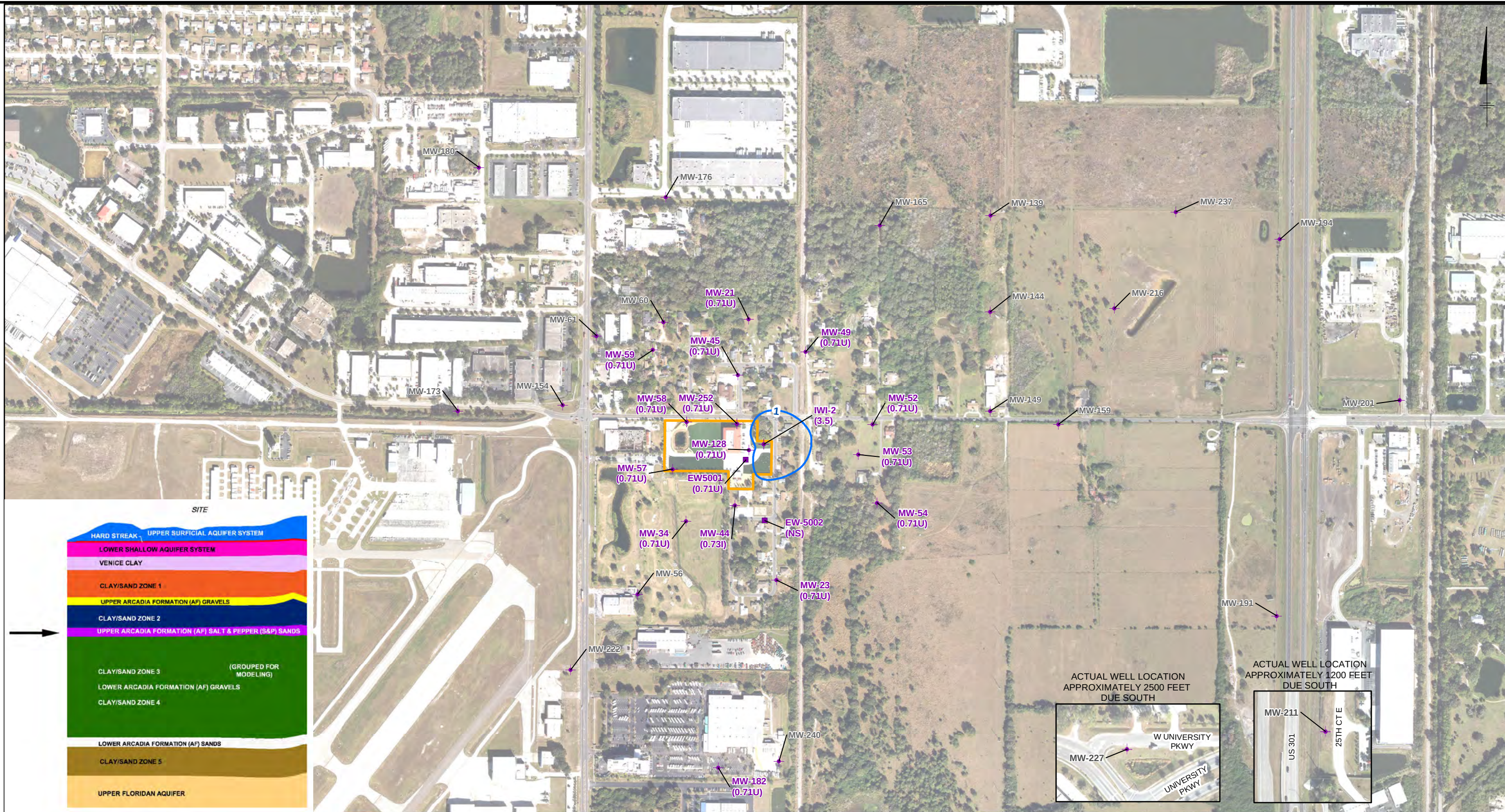
LOCKHEED MARTIN TALLEVAST SITE
TALLEVAST, FLORIDA
REMEDIAL ACTION STATUS REPORT

1,1-DICHLOROETHANE CONCENTRATIONS
IN THE SALT & PEPPER SANDS,
AUGUST 2014 SAMPLING EVENT

AECOM

FIGURE
4-30

Path: \\usor12p002\data\projects\Lockheed Martin\Tallevast\000 Geospatial\GIS\mxd\RASR 2015\FINAL\Fig4-31_S&P_Sands 0815_VC_Final.mxd Date: 10/27/2015 Time: 1:52:30 PM



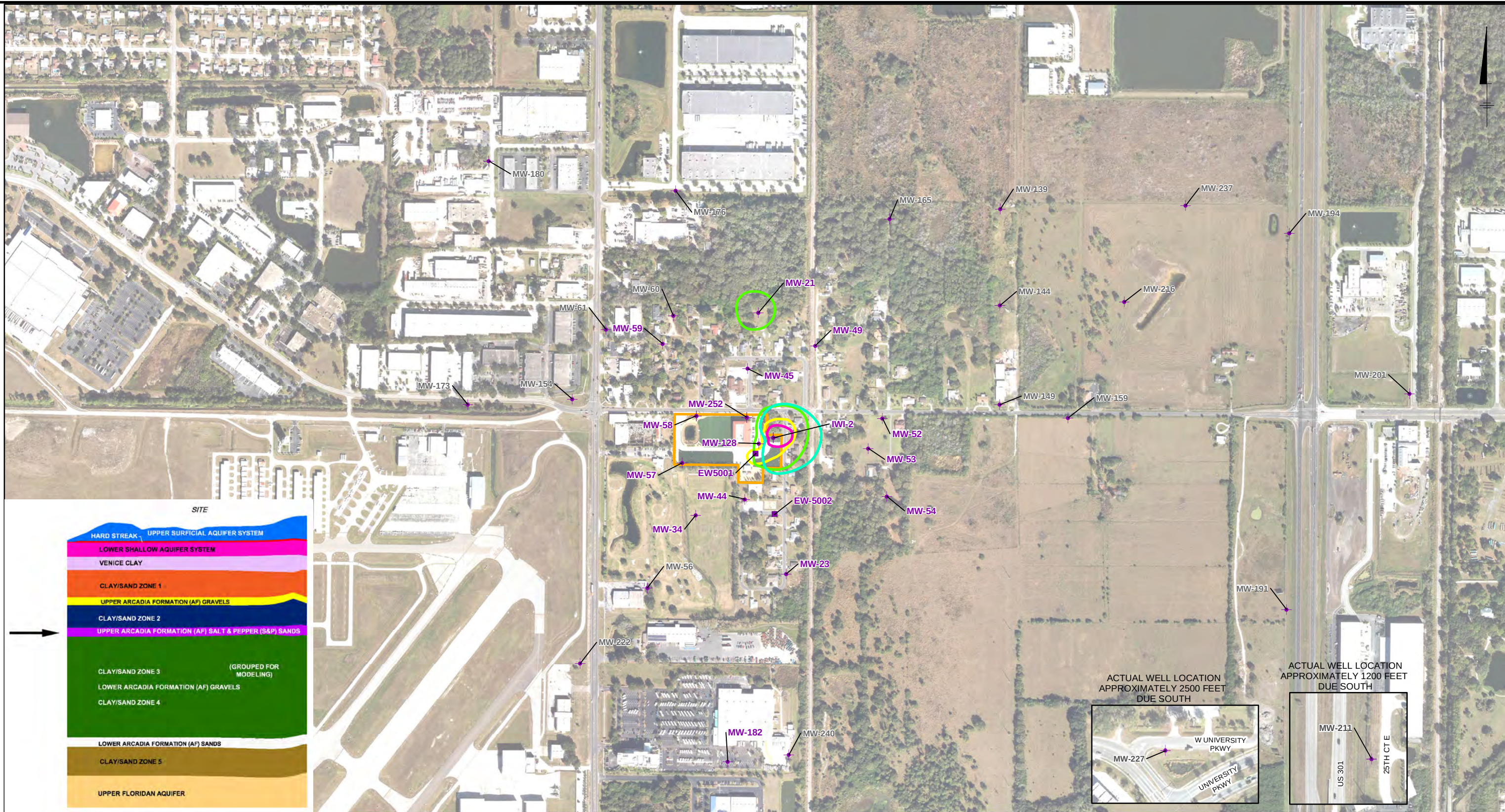
LOCKHEED MARTIN TALLEVAST SITE
TALLEVAST, FLORIDA
REMEDIAL ACTION STATUS REPORT

VINYL CHLORIDE CONCENTRATIONS
IN THE SALT & PEPPER SANDS,
AUGUST 2015 SAMPLING EVENT

AECOM

FIGURE
4-31

Path: \\usor2p002\data\projects\Lockheed Martin\Tallevast\000 Geospatial\GIS\mxd\RASR 2015\FINAL\Fig4-32_S&P_Sands_0815_Composite_Final.mxd Date: 10/27/2015 Time: 1:54:17 PM



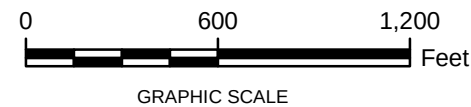
LEGEND:

- MW-222 SALT AND PEPPER SANDS MONITORING WELL
- EW-5001 SALT AND PEPPER SANDS EXTRACTION WELL
- LOCKHEED MARTIN TALLEVAST FACILITY

- 3 1,1-DICHLOROETHENE CONTOUR (GCTL)
- 3 TRICHLOROETHENE CONTOUR (GCTL)
- 1 VINYL CHLORIDE CONTOUR (GCTL)
- 3.2 1,4-DIOXANE CONTOUR (GCTL)

NOTES:

- JANUARY 2014 AERIAL PROVIDED BY FDOT
- µg/L - MICROGRAMS PER LITER
- ANALYTE CONTOURS SHOWN IN µg/L
- GCTL - GROUNDWATER CLEANUP TARGET LEVEL
- WELLS SHOWN IN GRAY WERE NOT SAMPLED DURING THE AUGUST 2015 EVENT.
- CONTOURING BASED ON MONITORING WELL DATA WITH CONSIDERATION OF OTHER FACTORS, SUCH AS EXTRACTION WELL DATA AND MODELING INFORMATION



LOCKHEED MARTIN TALLEVAST SITE
TALLEVAST, FLORIDA
REMEDIAL ACTION STATUS REPORT

COMPOSITE CONCENTRATIONS
IN THE SALT & PEPPER SANDS,
AUGUST 2015 SAMPLING EVENT

AECOM

FIGURE
4-32

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LEGEND:

 MW-155 LOWER ARCADIA FORMATION SANDS MONITORING WELL

1.0U 1,4-DIOXANE RESULT VALUE (µg/L)

 LOCKHEED MARTIN TALLEVAST FACILITY

NOTES:

1. JANUARY 2014 AERIAL PROVIDED BY FDOT
2. U - THE ANALYTE WAS ANALYZED FOR, BUT NOT DETECTED.
3. µg/L - MICROGRAMS PER LITER
4. WELLS SHOWN IN GRAY WERE NOT SAMPLED DURING THE AUGUST 2015 EVENT.

0 600 1,200 Feet

GRAPHIC SCALE

LOCKHEED MARTIN TALLEVAST SITE
TALLEVAST, FLORIDA
REMEDIAL ACTION STATUS REPORT

1,4-DIOXANE CONCENTRATIONS
IN THE LOWER ARCADIA FORMATION SANDS,
AUGUST 2015 SAMPLING EVENT

 **AECOM**

FIGURE
4-33

Path: \\usor12p002\data\projects\Lockheed Martin\Tallevast\000_Geospata\GIS\mxd\RASR 2015\FINAL\Fig4-34_LAF_SANDS_0815_TCE_Final.mxd Date: 10/27/2015 Time: 2:03:07 PM

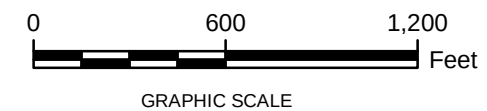


LEGEND:

-  MW-155 LOWER ARCADIA FORMATION SANDS MONITORING WELL
- 0.50U TRICHLOROETHENE RESULT VALUE (µg/L)
-  LOCKHEED MARTIN TALLEVAST FACILITY

NOTES:

1. JANUARY 2014 AERIAL PROVIDED BY FDOT
2. U - THE ANALYTE WAS ANALYZED FOR, BUT NOT DETECTED.
3. µg/L - MICROGRAMS PER LITER
4. WELLS SHOWN IN GRAY WERE NOT SAMPLED DURING THE AUGUST 2015 EVENT.



LOCKHEED MARTIN TALLEVAST SITE
TALLEVAST, FLORIDA
REMEDIAL ACTION STATUS REPORT

TRICHLOROETHENE CONCENTRATIONS
IN THE LOWER ARCADIA FORMATION SANDS,
AUGUST 2015 SAMPLING EVENT

AECOM

FIGURE
4-34

Path: \\usor12p002\data\projects\Lockheed Martin\Tallevast\000_Geospata\GIS\mxd\RASR 2015\FINAL\Fig4-35_LAF_SANDS_0815_PCE_Final.mxd Date: 10/27/2015 Time: 1:59:51 PM



LEGEND:



LOWER ARCADIA FORMATION SANDS
MONITORING WELL

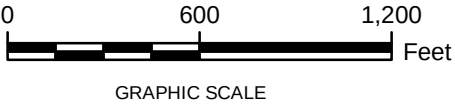
0.50U TETRACHLOROETHENE RESULT VALUE (µg/L)



LOCKHEED MARTIN
TALLEVAST FACILITY

NOTES:

1. JANUARY 2014 AERIAL PROVIDED BY FDOT
2. U - THE ANALYTE WAS ANALYZED FOR, BUT NOT DETECTED.
3. I - THE REPORTED VALUE IS BETWEEN THE LABORATORY METHOD DETECTION LIMIT AND THE LABORATORY PRACTICAL QUANTITATION LIMIT.
4. µg/L - MICROGRAMS PER LITER
5. WELLS SHOWN IN GRAY WERE NOT SAMPLED DURING THE AUGUST 2015 EVENT.



LOCKHEED MARTIN TALLEVAST SITE
TALLEVAST, FLORIDA
REMEDIAL ACTION STATUS REPORT

TETRACHLOROETHENE CONCENTRATIONS
IN THE LOWER ARCADIA FORMATION SANDS,
AUGUST 2015 SAMPLING EVENT

AECOM

FIGURE
4-35

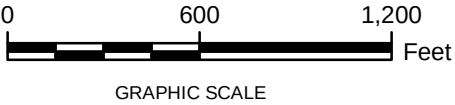
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LEGEND:

-  MW-155 LOWER ARCADIA FORMATION SANDS MONITORING WELL
- 0.50U CIS-1,2-DICHLOROETHENE RESULT VALUE (µg/L)
-  LOCKHEED MARTIN TALLEVAST FACILITY

- NOTES:
1. JANUARY 2014 AERIAL PROVIDED BY FDOT
 2. U - THE ANALYTE WAS ANALYZED FOR, BUT NOT DETECTED.
 3. µg/L - MICROGRAMS PER LITER
 4. WELLS SHOWN IN GRAY WERE NOT SAMPLED DURING THE AUGUST 2015 EVENT.



LOCKHEED MARTIN TALLEVAST SITE
TALLEVAST, FLORIDA
REMEDIAL ACTION STATUS REPORT

CIS-1,2-DICHLOROETHENE CONCENTRATIONS
IN THE LOWER ARCADIA FORMATION SANDS,
AUGUST 2015 SAMPLING EVENT

AECOM

FIGURE
4-36

Path: \\usor12p002\data\projects\Lockheed Martin\Tallevast\000_Geospata\GIS\mxd\RASR 2015\FINAL\Fig4-37_LAF_SANDS_0815_11DCE_Final.mxd Date: 10/27/2015 Time: 2:04:25 PM

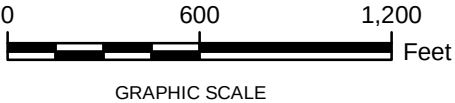


LEGEND:

-  MW-155 LOWER ARCADIA FORMATION SANDS MONITORING WELL
- 0.45U 1,1-DICHLOROETHENE RESULT VALUE (µg/L)
-  LOCKHEED MARTIN TALLEVAST FACILITY

NOTES:

1. JANUARY 2014 AERIAL PROVIDED BY FDOT
2. U - THE ANALYTE WAS ANALYZED FOR, BUT NOT DETECTED.
3. µg/L - MICROGRAMS PER LITER
4. WELLS SHOWN IN GRAY WERE NOT SAMPLED DURING THE AUGUST 2015 EVENT.



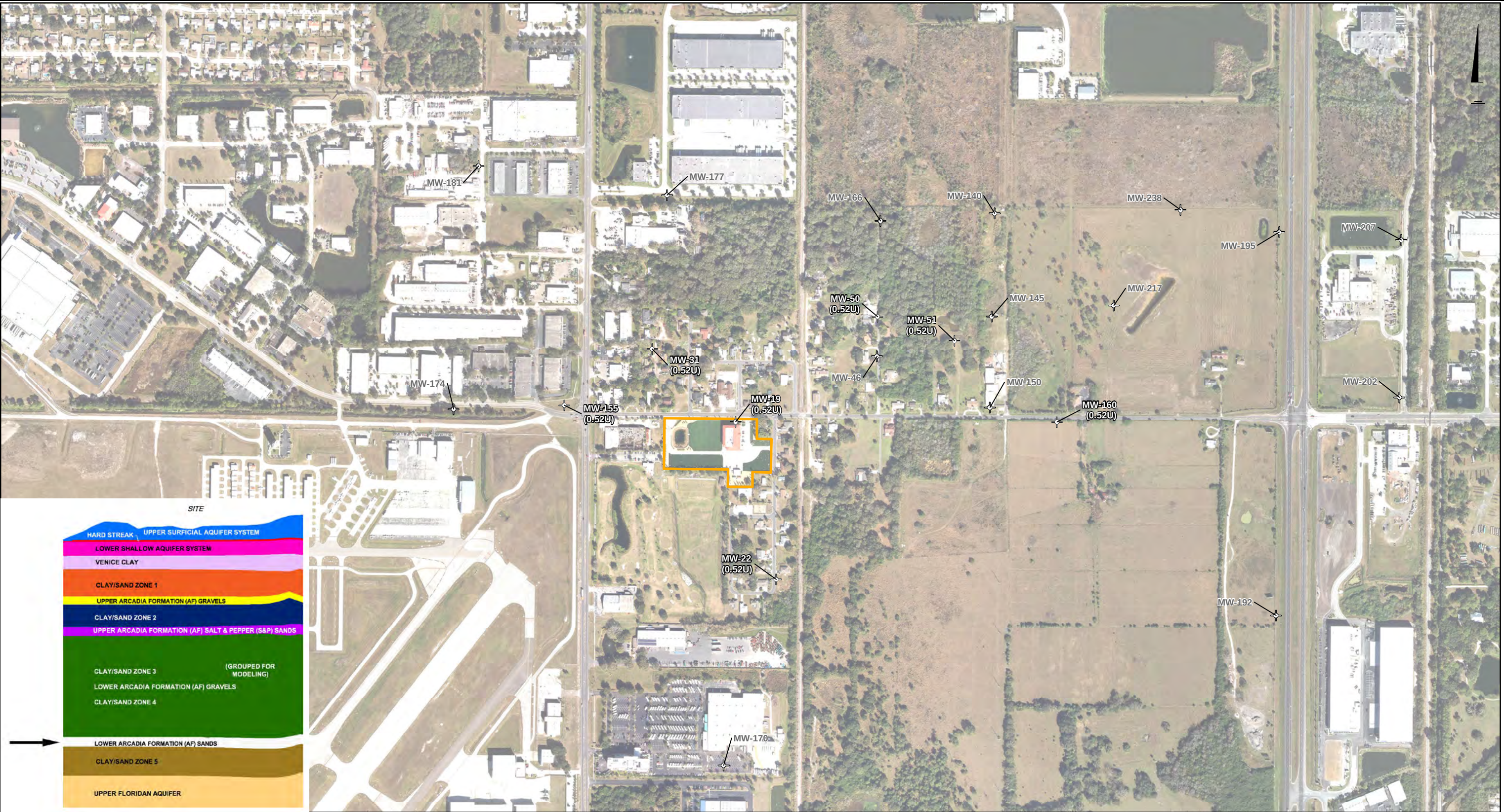
LOCKHEED MARTIN TALLEVAST SITE
TALLEVAST, FLORIDA
REMEDIAL ACTION STATUS REPORT

1,1-DICHLOROETHENE CONCENTRATIONS
IN THE LOWER ARCADIA FORMATION SANDS,
AUGUST 2015 SAMPLING EVENT

AECOM

FIGURE
4-37

Path: \\usor12p002\data\projects\Lockheed Martin\Tallevast\000_Geospata\GIS\mxd\RASR 2015\FINAL\Fig4-38_LAF_SANDS_0815_11DCA_Final.mxd Date: 10/27/2015 Time: 2:05:21 PM



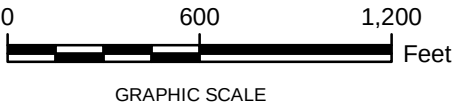
LEGEND:

MW-155 LOWER ARCADIA FORMATION SANDS MONITORING WELL

0.52U 1,1-DICHLOROETHANE RESULT VALUE (µg/L)

LOCKHEED MARTIN TALLEVAST FACILITY

- NOTES:
1. JANUARY 2014 AERIAL PROVIDED BY FDOT
 2. U - THE ANALYTE WAS ANALYZED FOR, BUT NOT DETECTED.
 3. µg/L - MICROGRAMS PER LITER
 4. WELLS SHOWN IN GRAY WERE NOT SAMPLED DURING THE AUGUST 2015 EVENT.



LOCKHEED MARTIN TALLEVAST SITE
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REMEDIAL ACTION STATUS REPORT

**1,1-DICHLOROETHANE CONCENTRATIONS
IN THE LOWER ARCADIA FORMATION SANDS,
AUGUST 2015 SAMPLING EVENT**

FIGURE
4-38

Path: \\usor12r002\data\projects\Lockheed Martin\Tallevast\000_Geospata\GIS\mxd\BASR 2015\FINAL\Fig4-39_Lower_AF_Sands_0815_VC_Final.mxd Date: 10/27/2015 Time: 2:08:44 PM

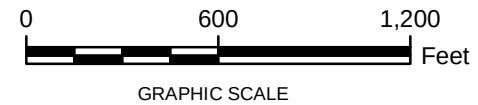


LEGEND:

-  MW-155 LOWER ARCADIA FORMATION SANDS MONITORING WELL
- 0.50U VINYL CHLORIDE RESULT VALUE (µg/L)
-  LOCKHEED MARTIN TALLEVAST FACILITY

NOTES:

1. JANUARY 2014 AERIAL PROVIDED BY FDOT
2. U - THE ANALYTE WAS ANALYZED FOR, BUT NOT DETECTED.
3. µg/L - MICROGRAMS PER LITER
4. WELLS SHOWN IN GRAY WERE NOT SAMPLED DURING THE AUGUST 2015 EVENT.



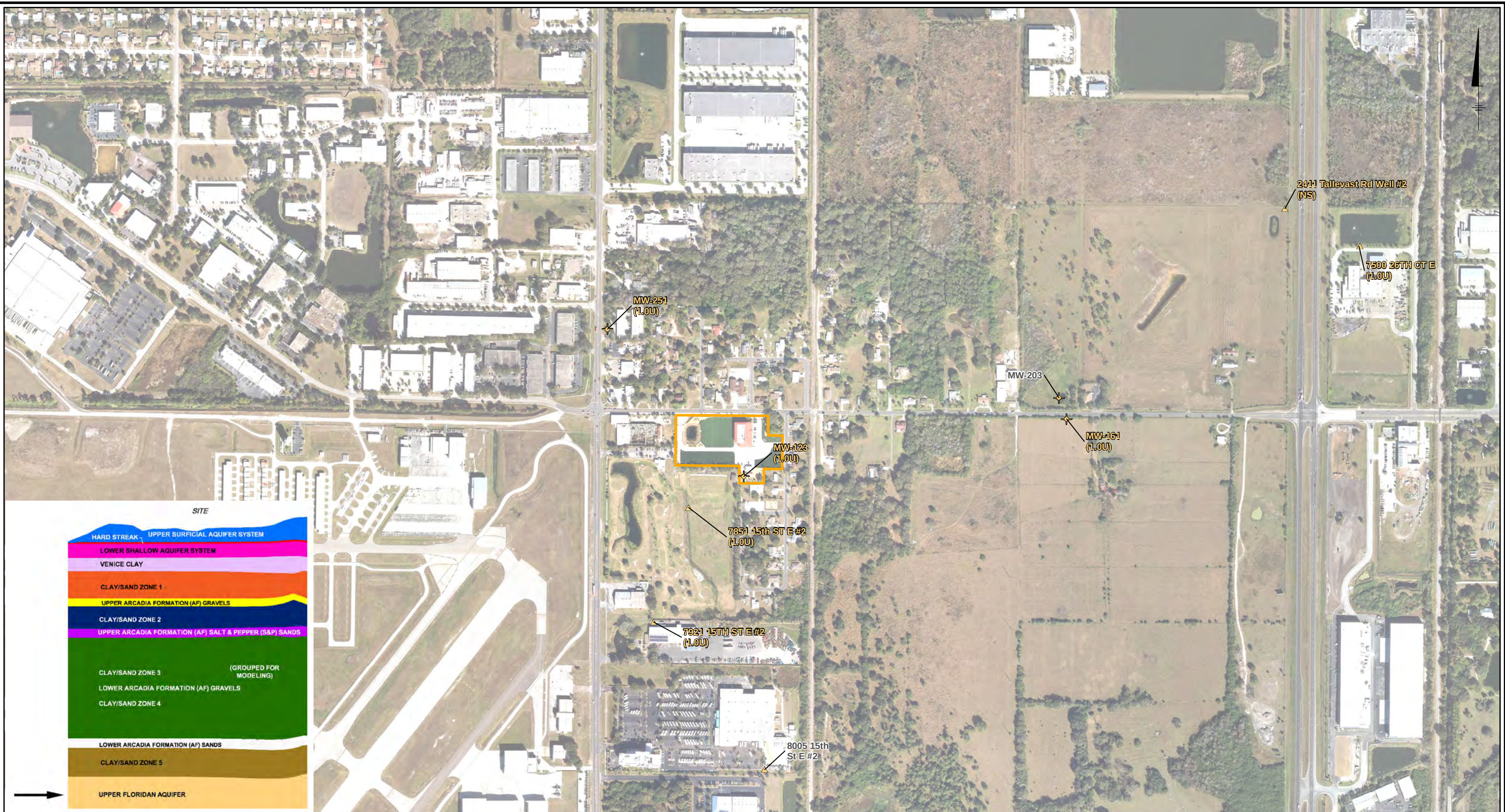
LOCKHEED MARTIN TALLEVAST SITE
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REMEDIAL ACTION STATUS REPORT

VINYL CHLORIDE CONCENTRATIONS
IN THE LOWER ARCADIA FORMATION SANDS,
AUGUST 2015 SAMPLING EVENT

AECOM

FIGURE
4-39

Path: \\usor12p002\data\projects\Lockheed Martin\Tallevast\000 Geospatial\GIS\mxd\RASR 2015\FINAL\Fig4-40_Floridan_0815_14Dioxane_Final.mxd Date: 10/27/2015 Time: 2:07:22 PM



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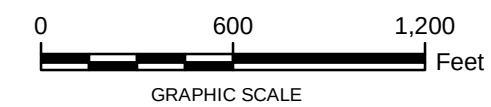
- FLORIDAN MONITORING WELL
- PRIVATE WELL

LOCKHEED MARTIN TALLEVAST FACILITY

1.0U 1,4-DIOXANE RESULT VALUE (µg/L)

NOTES:

- JANUARY 2014 AERIAL PROVIDED BY FDOT
- U - THE ANALYTE WAS ANALYZED FOR, BUT NOT DETECTED.
- µg/L - MICROGRAMS PER LITER
- WELLS SHOWN IN GRAY WERE NOT SAMPLED DURING THE AUGUST 2015 EVENT.
- PRIVATE WELLS SAMPLED DURING THE ANNUAL GROUNDWATER MONITORING EVENT ARE SHOWN ON THIS FIGURE.



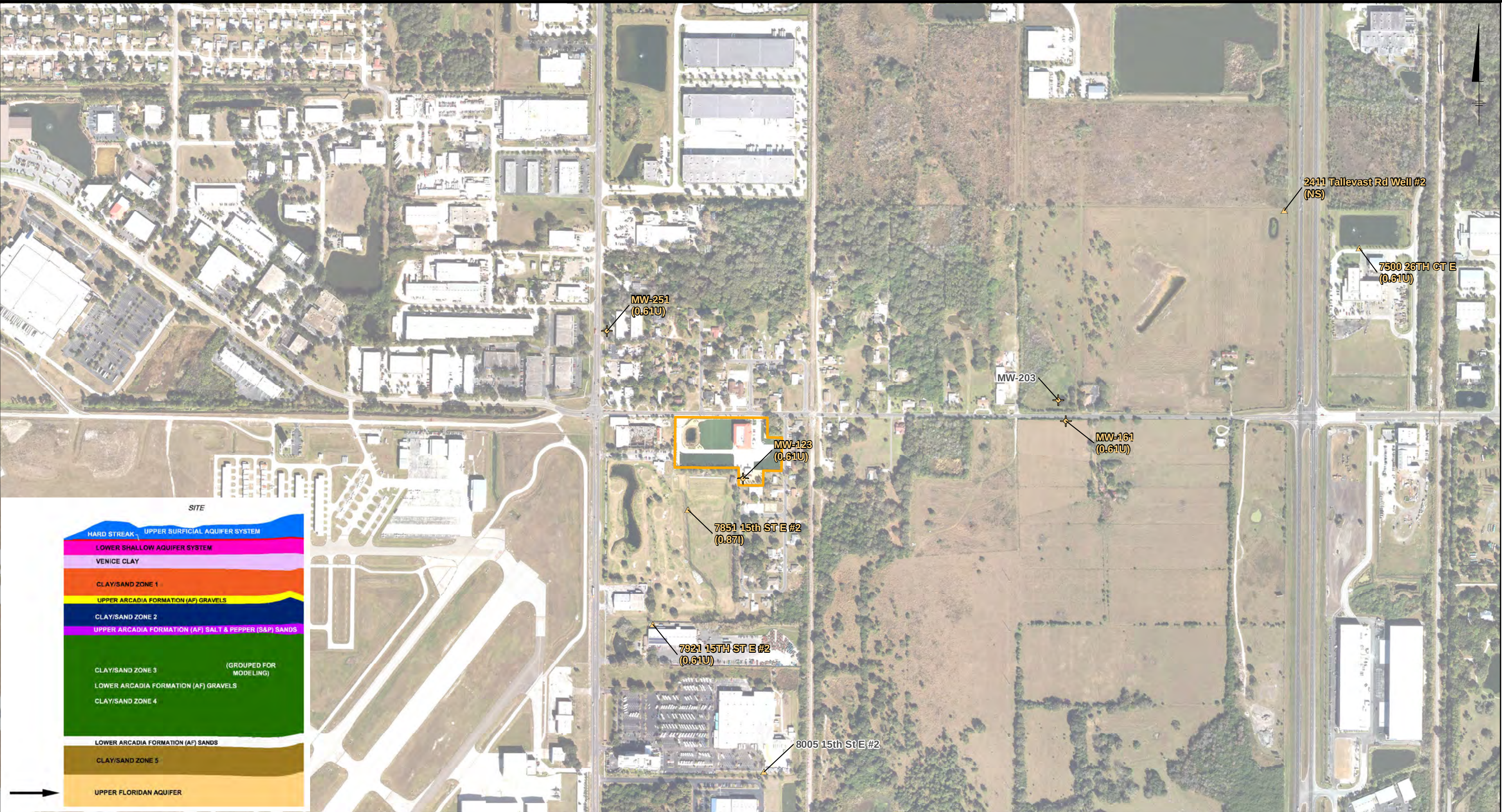
LOCKHEED MARTIN TALLEVAST SITE
TALLEVAST, FLORIDA
REMEDIAL ACTION STATUS REPORT

1,4-DIOXANE CONCENTRATIONS
IN THE FLORIDAN,
AUGUST 2015 SAMPLING EVENT



FIGURE
4-40

Path: \\usor12p002\data\projects\Lockheed Martin\Tallevast\000 Geospatial\GIS\mxd\RASR 2015\FINAL\Fig4-41_Floridan_0815_TCE_Final.mxd Date: 10/27/2015 Time: 3:15:45 PM

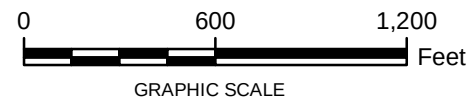


LEGEND:

- FLORIDAN MONITORING WELL
- PRIVATE WELL
- LOCKHEED MARTIN TALLEVAST FACILITY
- 0.50U TRICHLOROETHENE RESULT VALUE (µg/L)

NOTES:

- JANUARY 2014 AERIAL PROVIDED BY FDOT
- U - THE ANALYTE WAS ANALYZED FOR, BUT NOT DETECTED.
- I - THE REPORTED VALUE IS BETWEEN THE LABORATORY METHOD DETECTION LIMIT AND THE LABORATORY PRACTICAL QUANTITATION LIMIT.
- µg/L - MICROGRAMS PER LITER
- WELLS SHOWN IN GRAY WERE NOT SAMPLED DURING THE AUGUST 2015 EVENT.
- PRIVATE WELLS SAMPLED DURING THE ANNUAL GROUNDWATER MONITORING EVENT ARE SHOWN ON THIS FIGURE.



LOCKHEED MARTIN TALLEVAST SITE
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REMEDIAL ACTION STATUS REPORT

TRICHLOROETHENE CONCENTRATIONS
IN THE FLORIDAN,
AUGUST 2015 SAMPLING EVENT



FIGURE
4-41

Path: \\usor12p002\data\projects\Lockheed Martin\Tallevast\000 Geospata\GIS\mxd\RASR 2015\FINAL\Fig4-42_Floridan_0815_PCE_Final.mxd Date: 10/27/2015 Time: 2:11:38 PM



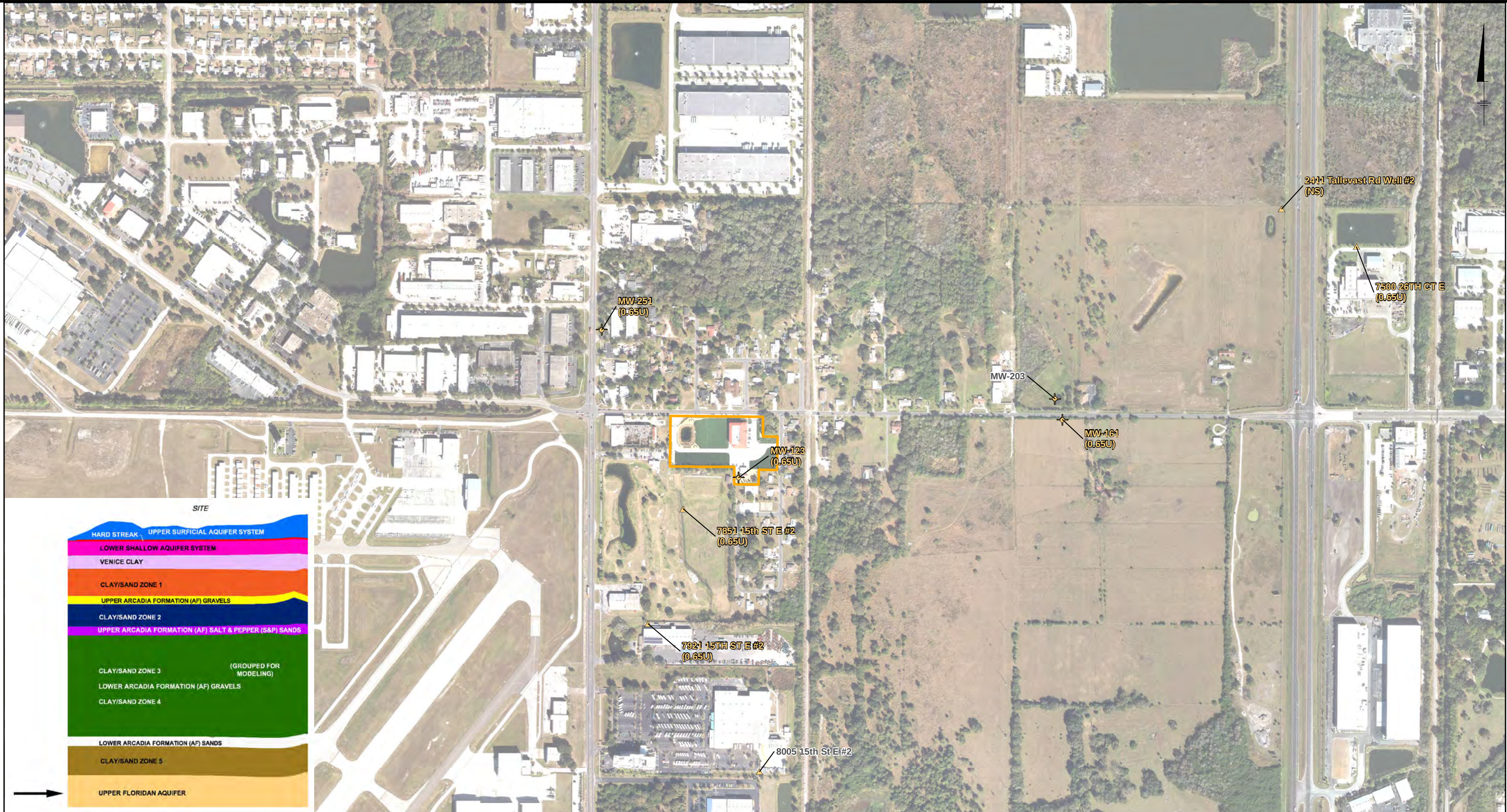
LOCKHEED MARTIN TALLEVAST SITE
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REMEDIAL ACTION STATUS REPORT

TETRACHLOROETHENE CONCENTRATIONS
IN THE FLORIDAN,
AUGUST 2015 SAMPLING EVENT

AECOM

FIGURE
4-42

Path: \\usor12p002\data\projects\Lockheed Martin\Tallevast\000 Geospata\GIS\mxd\RASR 2015\FINAL\Fig4-43_Floridan_0815_Cis12_Final.mxd Date: 10/27/2015 Time: 2:13:03 PM



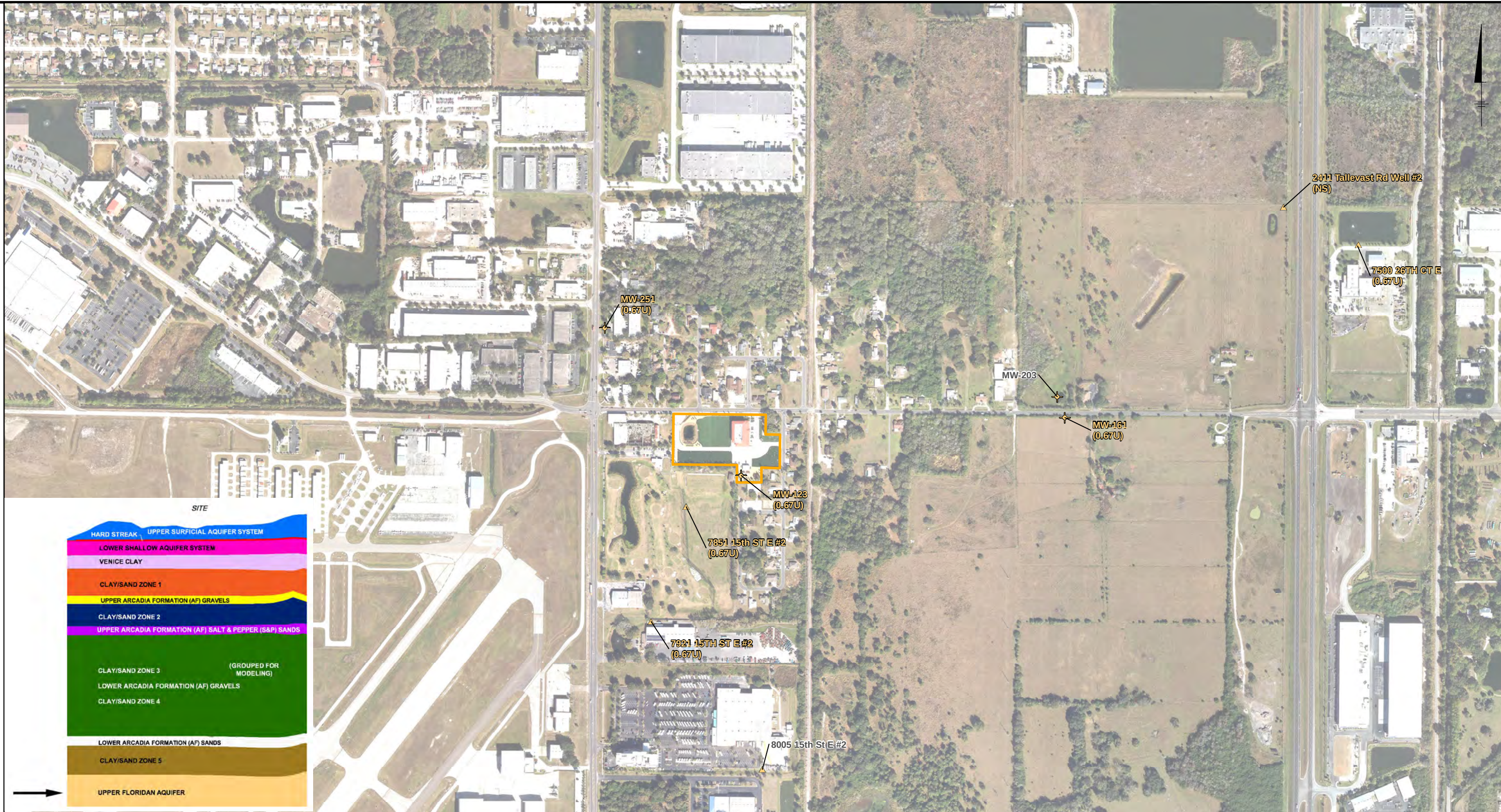
LOCKHEED MARTIN TALLEVAST SITE
TALLEVAST, FLORIDA
REMEDIAL ACTION STATUS REPORT

CIS-1,2-DICHLOROETHENE CONCENTRATIONS
IN THE FLORIDAN,
AUGUST 2015 SAMPLING EVENT

AECOM

FIGURE
4-43

Path: \\usor12p002\data\projects\Lockheed Martin\Tallevast\000 Geospatial\GIS\mxd\RASR 2015\FINAL\Fig4-44_Floridan_0815_11DCE_Final.mxd Date: 10/27/2015 Time: 2:14:20 PM



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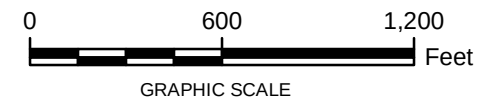
- FLORIDAN MONITORING WELL
- PRIVATE WELL

LOCKHEED MARTIN TALLEVAST FACILITY

0.45U 1,1-DICHLOROETHENE RESULT VALUE (µg/L)

NOTES:

- JANUARY 2014 AERIAL PROVIDED BY FDOT
- U - THE ANALYTE WAS ANALYZED FOR, BUT NOT DETECTED.
- µg/L - MICROGRAMS PER LITER
- WELLS SHOWN IN GRAY WERE NOT SAMPLED DURING THE AUGUST 2015 EVENT.
- PRIVATE WELLS SAMPLED DURING THE ANNUAL GROUNDWATER MONITORING EVENT ARE SHOWN ON THIS FIGURE.



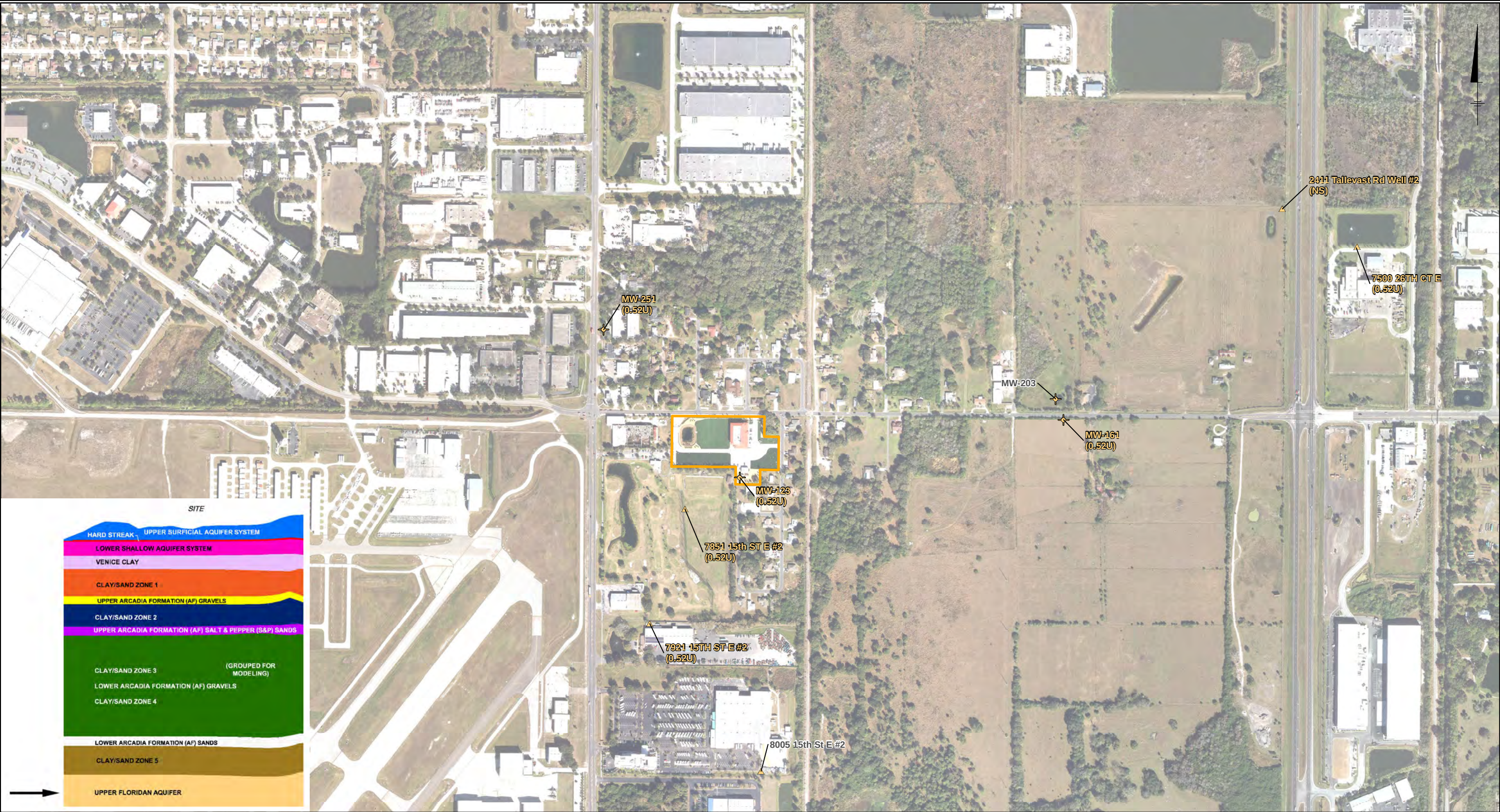
LOCKHEED MARTIN TALLEVAST SITE
TALLEVAST, FLORIDA
REMEDIAL ACTION STATUS REPORT

1,1-DICHLOROETHENE CONCENTRATIONS
IN THE FLORIDAN,
AUGUST 2015 SAMPLING EVENT

AECOM

FIGURE
4-44

Path: \\usor12p002\data\projects\Lockheed Martin\Tallevast\000 Geospatial\GIS\mxd\RASR 2015\FINAL\Fig4-45 Floridan 0815 11DCA Final.mxd Date: 10/27/2015 Time: 2:15:29 PM



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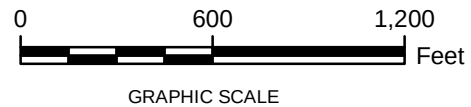
- MW-251 FLORIDAN MONITORING WELL
- PRIVATE WELL

LOCKHEED MARTIN TALLEVAST FACILITY

0.52U 1,1-DICHLOROETHANE RESULT VALUE (µg/L)

NOTES:

- JANUARY 2014 AERIAL PROVIDED BY FDOT
- U - THE ANALYTE WAS ANALYZED FOR, BUT NOT DETECTED.
- µg/L - MICROGRAMS PER LITER
- WELLS SHOWN IN GRAY WERE NOT SAMPLED DURING THE AUGUST 2015 EVENT.
- PRIVATE WELLS SAMPLED DURING THE ANNUAL GROUNDWATER MONITORING EVENT ARE SHOWN ON THIS FIGURE.



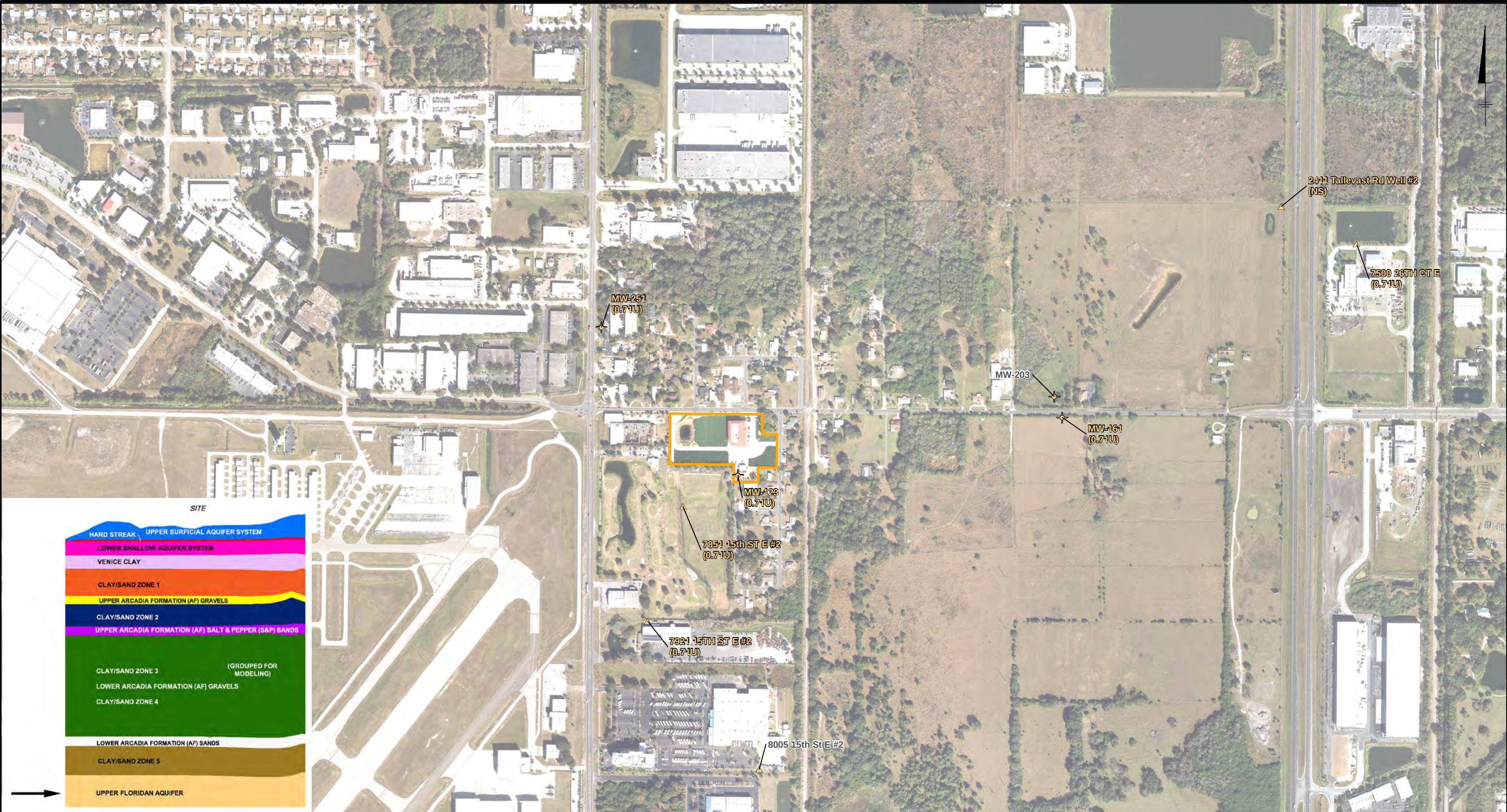
LOCKHEED MARTIN TALLEVAST SITE
TALLEVAST, FLORIDA
REMEDIAL ACTION STATUS REPORT

1,1-DICHLOROETHANE CONCENTRATIONS
IN THE FLORIDAN,
AUGUST 2015 SAMPLING EVENT

AECOM

FIGURE
4-45

Path: \\usor12p002\data\projects\Lockheed Martin\Tallevast\000 Geospatial\GIS\mxd\RASR 2015\FINAL\Fig4-46_Floridan_0815_VC_Final.mxd Date: 10/27/2015 Time: 2:16:56 PM



LOCKHEED MARTIN TALLEVAST SITE
TALLEVAST, FLORIDA
REMEDIAL ACTION STATUS REPORT

VINYL CHLORIDE CONCENTRATIONS
IN THE FLORIDAN,
AUGUST 2015 SAMPLING EVENT

AECOM

FIGURE
4-46

